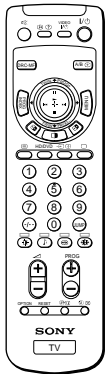
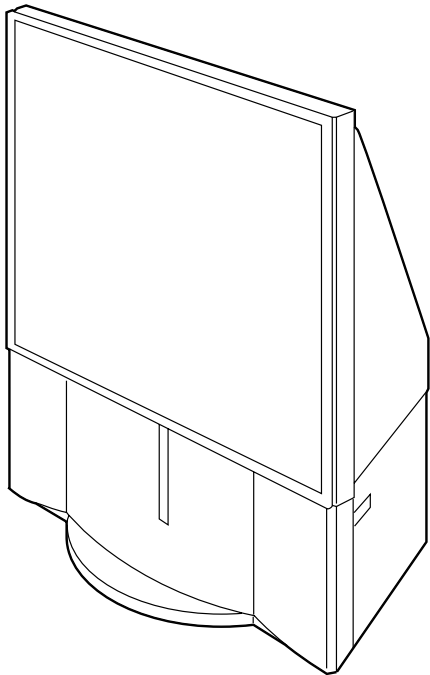


SERVICE MANUAL AG-3X CHASSIS

<i>MODEL</i>	<i>COMMANDER</i>	<i>DEST.</i>	<i>CHASSIS NO.</i>	<i>MODEL</i>	<i>COMMANDER</i>	<i>DEST.</i>	<i>CHASSIS NO.</i>
<i>KP-FX43M31</i>	<i>RM-998</i>	<i>AUS</i>	<i>SCC-P95D-A</i>	<i>KP-FX53M31</i>	<i>RM-998</i>	<i>AUS</i>	<i>SCC-P95C-A</i>
<i>KP-FX43M61</i>	<i>RM-998</i>	<i>GE</i>	<i>SCC-P90D-A</i>	<i>KP-FX53M61</i>	<i>RM-998</i>	<i>GE</i>	<i>SCC-P90C-A</i>
<i>KP-FX43M91</i>	<i>RM-998</i>	<i>ME</i>	<i>SCC-P94D-A</i>	<i>KP-FX53M91</i>	<i>RM-998</i>	<i>ME</i>	<i>SCC-P94C-A</i>









RM-998



KP-FX43M31/M61/M91
KP-FX53M31/M61/M91

PROJECTION TV
SONY®

SPECIFICATIONS

	KP-FX53M31/M61/M91	KP-FX43M31/M61/M91
Projection system	3 picture tubes, 3 lenses, horizontal inline system	
Picture tube	7 inch high-brightness monochrome tubes (6.3 raster size), with optical coupling and liquid cooling system	
Projection lenses	High performance, large-diameter highbrid lens F1.0	
Screen size	53 inches	43 inches
Television system	B/G, I, D/K, M	
Color system	PAL, PAL 60, SECAM, NTSC4.43, NTSC3.58	
Stereo/Bilingual system	NICAM Stereo/Bilingual B/G, I; A2 Stereo/Bilingual (German) B/G	
Channel coverage	VHF : E2 to E12 / UHF : E21 to E69 / CATV : S01 to S03, S1 to S41	
B/G		
I	UHF : B21 to B68 / CATV : S01 to S03, S1 to S41	
D/K	VHF : C1 to C12, R1 to R12 / UHF : C13 to C57, R21 to R60 / CATV : S01 to S03, S1 to S41, Z1 to Z39	
M	VHF : A2 to A13 / UHF : A14 to A79/ CATV : A-8 to A-2, A to W+4, W+6 to W+84	
(Antenna)	75-ohm external terminal	
Audio output (Speaker)	15W + 15W (10% distortion)	
Number of terminal		
 (Video)	Input: 4 Output: 1	Phono jacks; 1 Vp-p, 75 ohms
 (Audio)	Input: 4 Output: 1	Phono jacks; 500 mVrms
 (S Video)	Input: 2	Y: 1 Vp-p, 75 ohms, unbalanced, sync negative C: 0.286 Vp-p, 75 ohms
 (Component Video)	Input: 2	Phono jacks Y: 1 Vp-p, 75 ohms, sync negative P _B /C _B : 0.7 Vp-p, 75 ohms P _R /C _R : 0.7 Vp-p, 75 ohms Audio: 500 mVrms
 (G/B/R/HD/VD Video)	Input: 1	Phono jacks G: 0.7 Vp-p, 75 ohms B: 0.7 Vp-p, 75 ohms R: 0.7 Vp-p, 75 ohms HD: 0.7 Vp-p, 75 ohms VD: 0.7 Vp-p, 75 ohms
 (Headphones)	Output: 1	Stereo minijack
Power requirements	110 - 240 V AC, 50/60Hz	
Power consumption (W)	260 W	
Dimensions (w/h/d, mm)	1136 × 1438 × 666	926 × 1255 × 534
Mass (kg)	86	65.5

Design and specifications are subject to change without notice.

CAUTION

SHORT CIRCUIT THE ANODE OF HTE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

SAFETY-RELATED COMPONENT WARNING!!


COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

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SECTION 1

SELF DIAGNOSIS FUNCTION

The unit in this manual contain a self-diagnostic function. If any error occurs, the STANDBY/TIMER lamp will automatically begin to flash.

The number of times the lamp flashes translates to a probable source of the problem. A definition of the STANDBY/TIMER lamp flash indicators is listed in the instruction manual for the user's knowledge and reference. If an error symptom cannot be reproduced, the remote commander can be used to review the failure occurrence data stored in memory to reveal past problems and how often these problems occur.

1-1. DIAGNOSTIC TEST INDICATORS

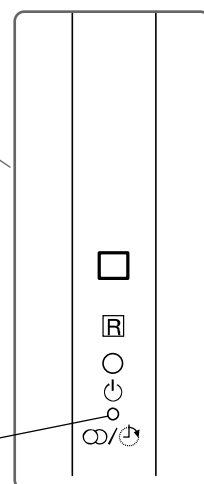
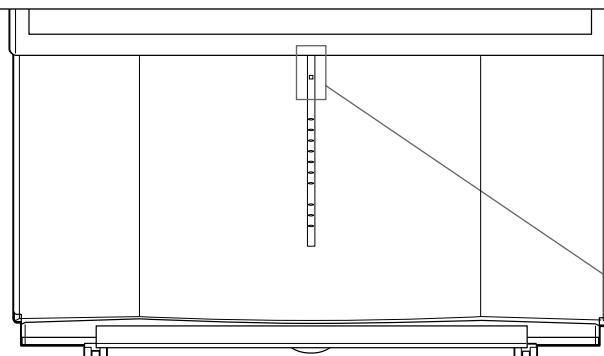
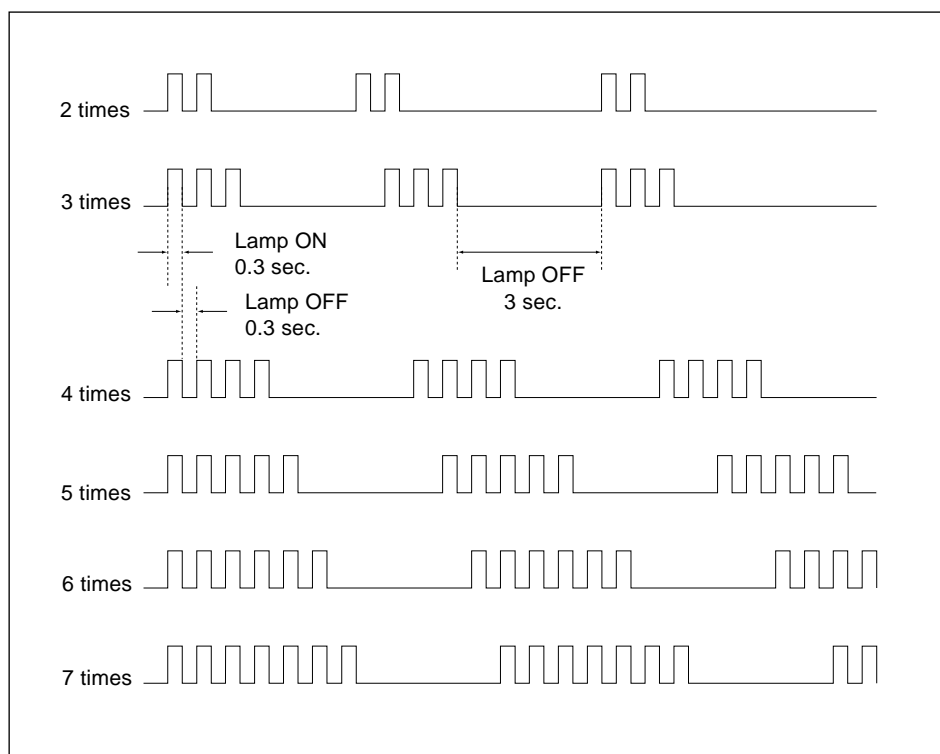
When any error occurs, the STANDBY/TIMER lamp will flash a set number of times to indicate the possible cause of the problem. If there is more than one error, the lamp will identify the first of the problem areas.

Result for all of the following diagnostic items are displayed on screen. No error has occurred if the screen displays a "0".

Diagnostic Item Description	No. of times STANDBY/TIMER lamp flashes	Self-diagnostic display/ Diagnostic result	Probable Cause Location	Detected Symptoms
•Power does not turn on	Does not light	—————	<ul style="list-style-type: none"> • Power cord is not plugged in. • Fuse (F6701) is burned out. (G board) 	<ul style="list-style-type: none"> • Power does not come on. • No power is supplied to the PJ. • AC power supply is faulty.
•+B overcurrent (OCP)	2 times	002:000 or 002:001 ~ 255	<ul style="list-style-type: none"> • H. OUT Q8024 is shorted. • H. LIN Q8027 is shorted. (D board) 	<ul style="list-style-type: none"> • Power does not come on. • Load on power line is shorted.
•+B overvoltage (OVP)	3 times	003:000 or 003:001 ~ 255	<ul style="list-style-type: none"> • HV OUT Q8043 is shorted. • PH6001 faulty. • +19V is not supplied. (G board) 	<ul style="list-style-type: none"> • +135V is too high.
•Vertical deflection failure	4 times	004:000 or 004:001 ~ 255	<ul style="list-style-type: none"> • V. OUT IC8003 faulty. (D board) 	<ul style="list-style-type: none"> • Vertical deflection pulse is stopped. • Vertical size is too small. • Vertical deflection stopped.
•White balance failure (no PICTURE)	5 times	005:000 or 005:001 ~ 255	<ul style="list-style-type: none"> • G2 is improperly adjusted. (Note 1) • CRT problem. • Video OUT IC9101 (CR board), IC9201 (CG board), IC9001 (CB board) are faulty. • IC8306 (J board) and IC4300 (E board) are faulty. • No connection E board to CR board. 	<ul style="list-style-type: none"> • No raster is generated. • CRT cathode current detection reference pulse output is small.
•Horizontal deflection failure or +5v down or High Voltage failure	6 times	006:000 or 006:001 ~ 255	<ul style="list-style-type: none"> • IC6502 (G board) faulty. • HV Circuit failure. 	<ul style="list-style-type: none"> • Abnormal High voltage. • Abnormal H.drive. • +5v down.
•Audio Protection	7 times	007:000 or 007:001 ~ 255	<ul style="list-style-type: none"> • Power supply fails. • IC1203,1204 (A board) faulty. 	<ul style="list-style-type: none"> • There is picture but speaker does not release sound.
•Micro reset	—————	101:000 or 101:001 ~ 255	<ul style="list-style-type: none"> • Discharge CRT (CR, CG, CB boards) • Static discharge • External noise 	<ul style="list-style-type: none"> • Power is shut down shortly, after this return back to normal. • Detect Micro latch up.

Note 1 : Refer to screen (G2) adjustment in section 3-2 of this manual.

1-2. DISPLAY OF STANDBY/TIMER LIGHT FLASH COUNT



Diagnostic Item	Flash Count *
+B overcurrent	2 times
+B overvoltage	3 times
V deflection stop	4 times
White balance failure	5 times
High voltage protector	6 times
Audio Protection	7 times

* One flash count is not used for self-diagnostic.

1-3. STOPPING THE STANDBY/TIMER FLASH

Turn off the power switch on the TV main unit or unplug the power cord from the outlet to stop the STANDBY/TIMER lamp from flashing.

1-4. SELF-DIAGNOSTIC SCREEN DISPLAY

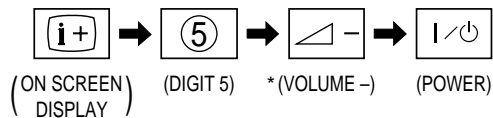
For errors with symptoms such as “power sometimes shuts off” or “screen sometimes goes out” that cannot be confirmed, it is possible to bring up past occurrences of failure for confirmation on the screen:

[To Bring Up Screen Test]

In standby mode, press buttons on the remote commander sequentially in rapid succession as shown below:

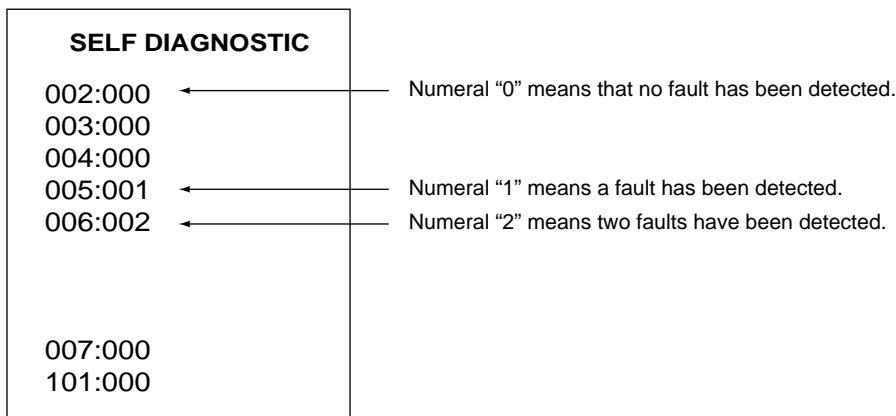
Self-Diagnosis screen display

1-5. HANDLING OF SELF-DIAGNOSTIC SCREEN DISPLAY



* : Note that this differs from entering the service mode (volume +)

Since the diagnostic results displayed on the screen are not automatically cleared, always check the self-diagnostic screen



during repairs. When you have completed the repairs, clear the result display to “0”.

Unless the result display is cleared to “0”, the self-diagnostic function will not be able to detect subsequent faults after completion of the repairs.

[Clearing the result display]

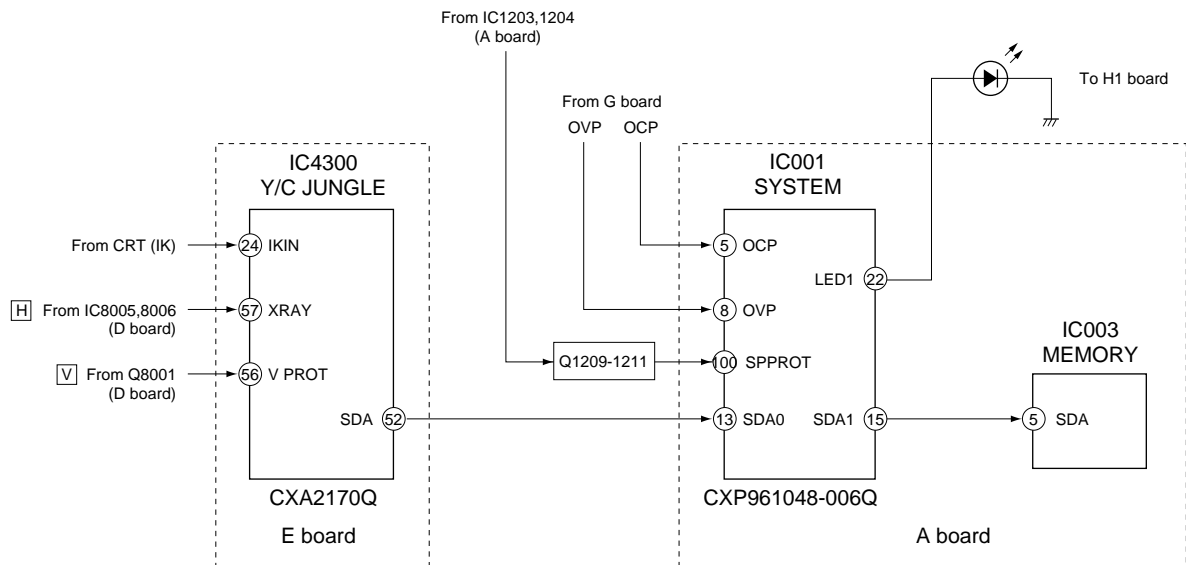
To clear the result display to “0”, press button on the remote commander sequentially as shown below when the diagnostic screen is being displayed.



[Quitting Self-diagnostic screen]

To quit the entire self-diagnostic screen, turn off the power switch on the remote commander or the main unit.

1-6. SELF-DIAGNOSTIC CIRCUIT

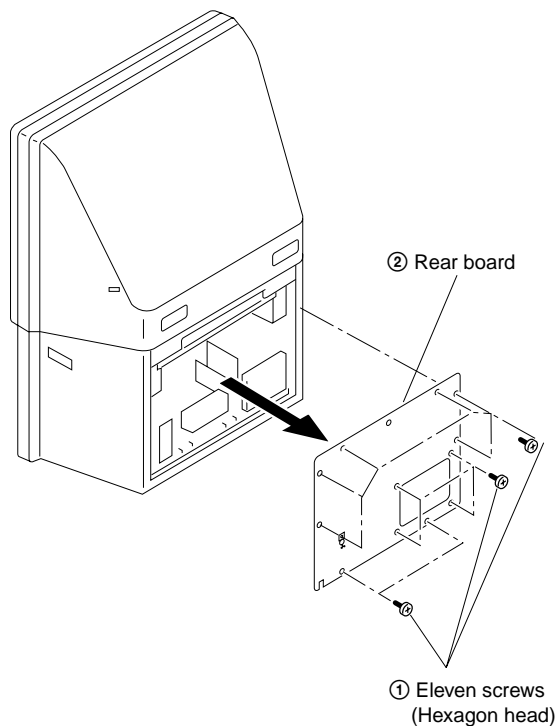


+B overcurrent (OCP)	Occurs when an overcurrent on the +B (135 V) line is detected by Q6504. Then the voltage to pin 5 of IC001 goes UP. The unit will automatically turn off.
+B overvoltage (OVP)	Occurs when an overvoltage on the +B (135 V) line is detected by IC6502. Then the voltage to pin 8 of IC001 goes UP. The unit will automatically turn off.
Vertical deflection failure	Occurs when an absence of the vertical deflection pulse is detected by Q8001 and D8001. Shut down the power supply.
White balance failure	If the RGB levels do not balance or become low level within 5 seconds. This error will be detected by IC4300. TV will stay on, but there will be no picture.
High voltage or Horizontal Deflection Protect	Occurs when an overvoltage of horizontal pulse is detected by D8038 and IC8006. If the voltage of pin 1 of IC8006 goes to High, the voltage to pin 57 of IC4300go to UP. The unit will automatically turn off.
Audio Protector	If the Audio out lines become DC. This error will be detected by Q1211, Q1209 and Q1210. The unit will automatically turn off.

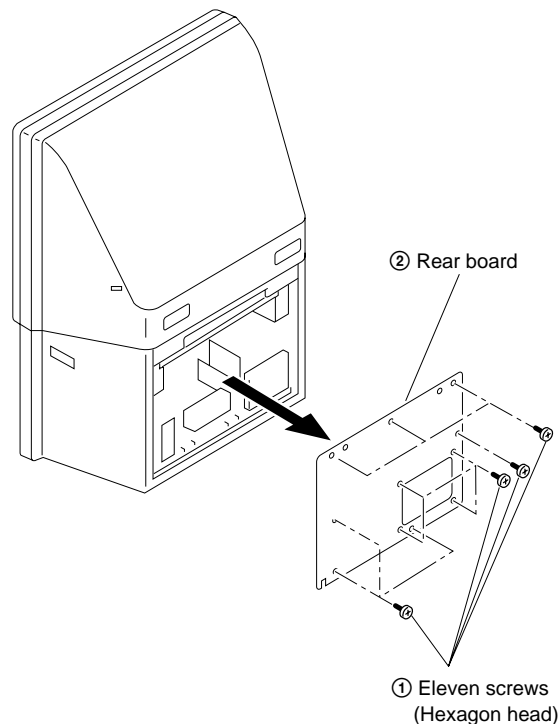
SECTION 2 DISASSEMBLY

2-1. REAR COVER REMOVAL

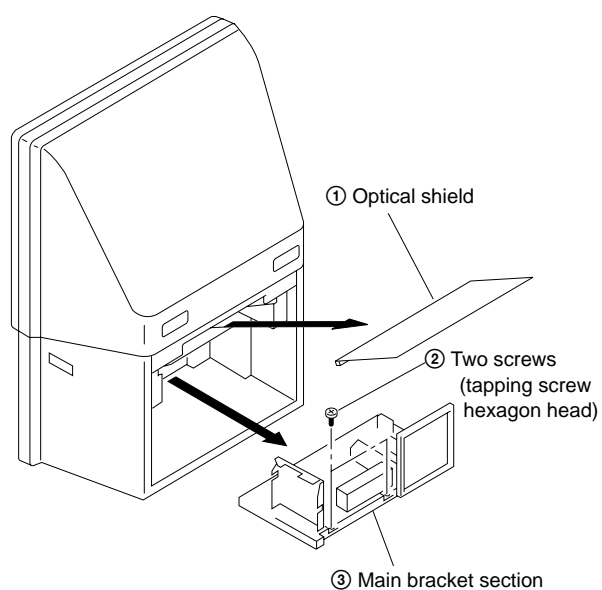
(1) KP-FX43



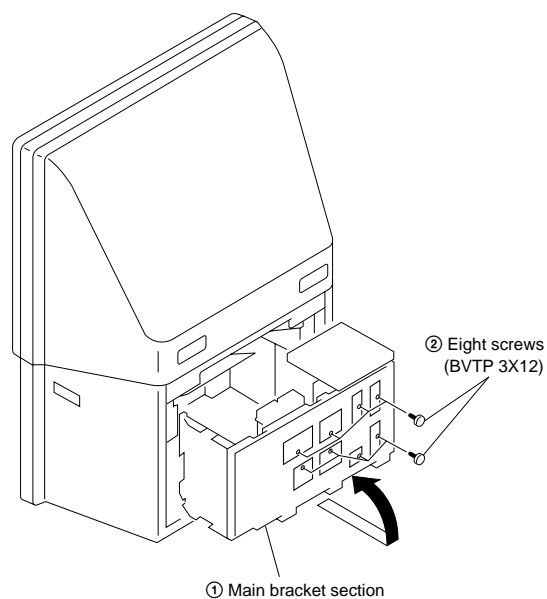
(2) KP-FX53



2-2. MAIN BRACKET REMOVAL



2-3. SERVICE POSITION

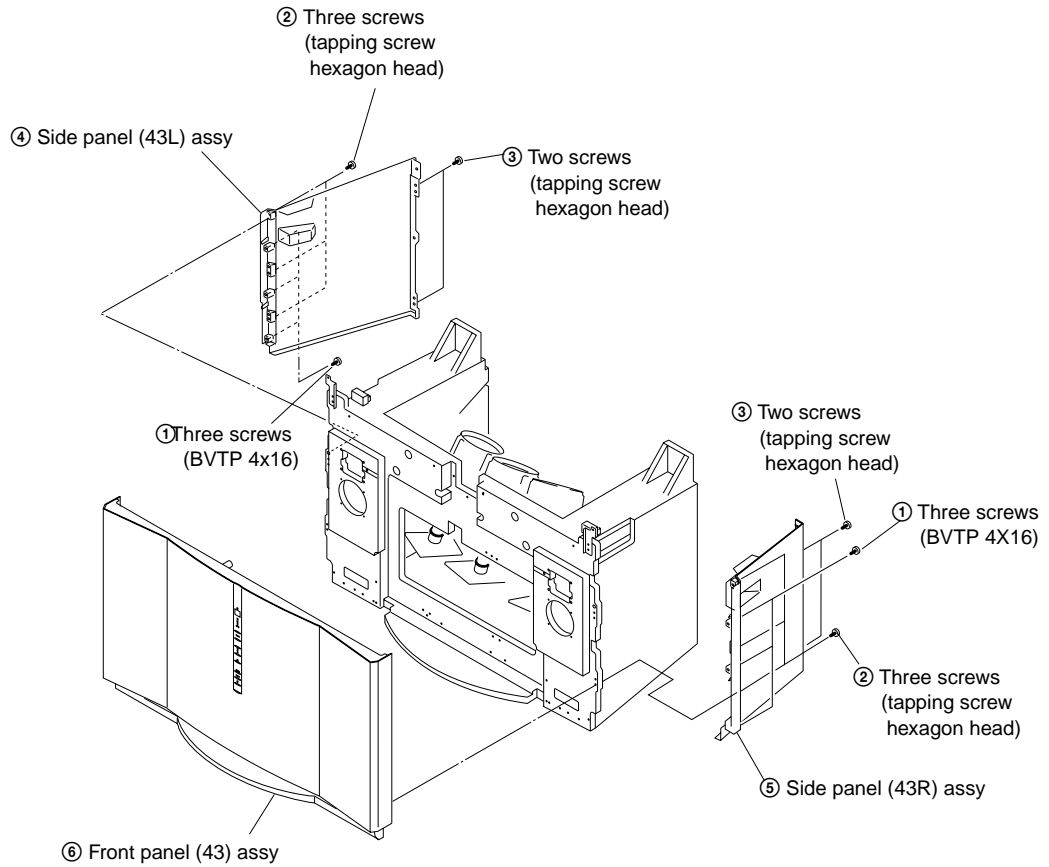


② COVERS

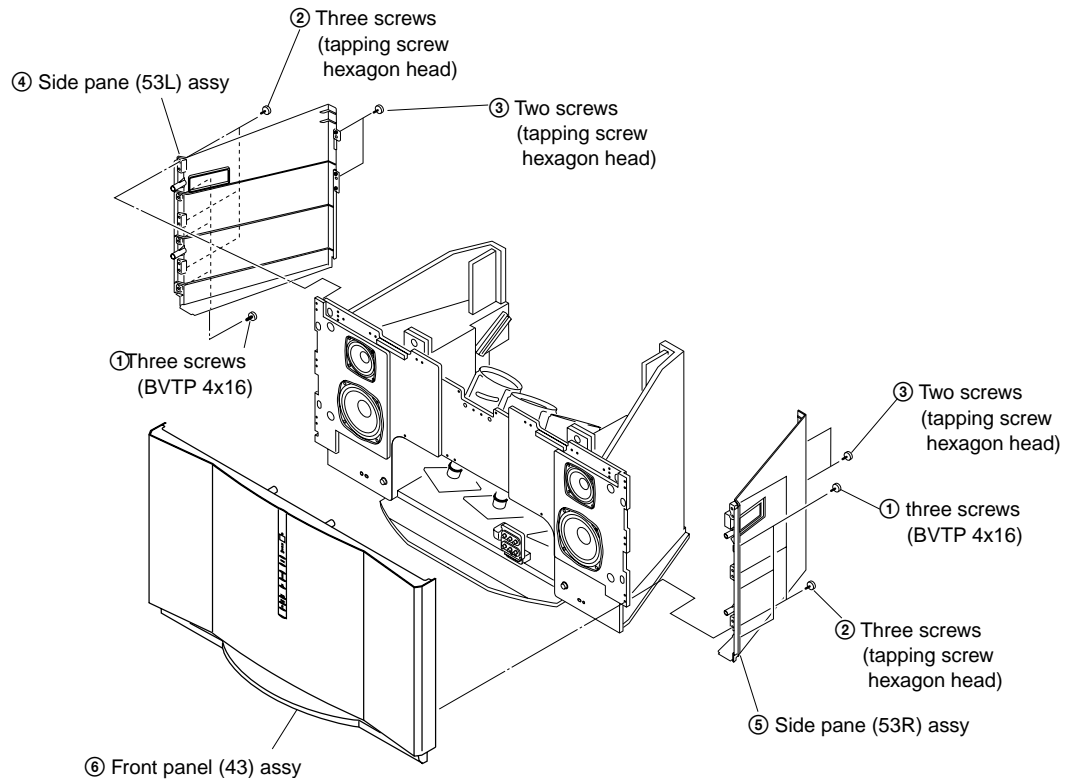
Cut them off with a plier or the like from chassis assembly in case of checking printed circuit boards.
 After checking, turn over the covers and secure them with screws.
(screws 7-685-648-79 -BVTP 3X12)

2-4. FRONT PANEL REMOVAL

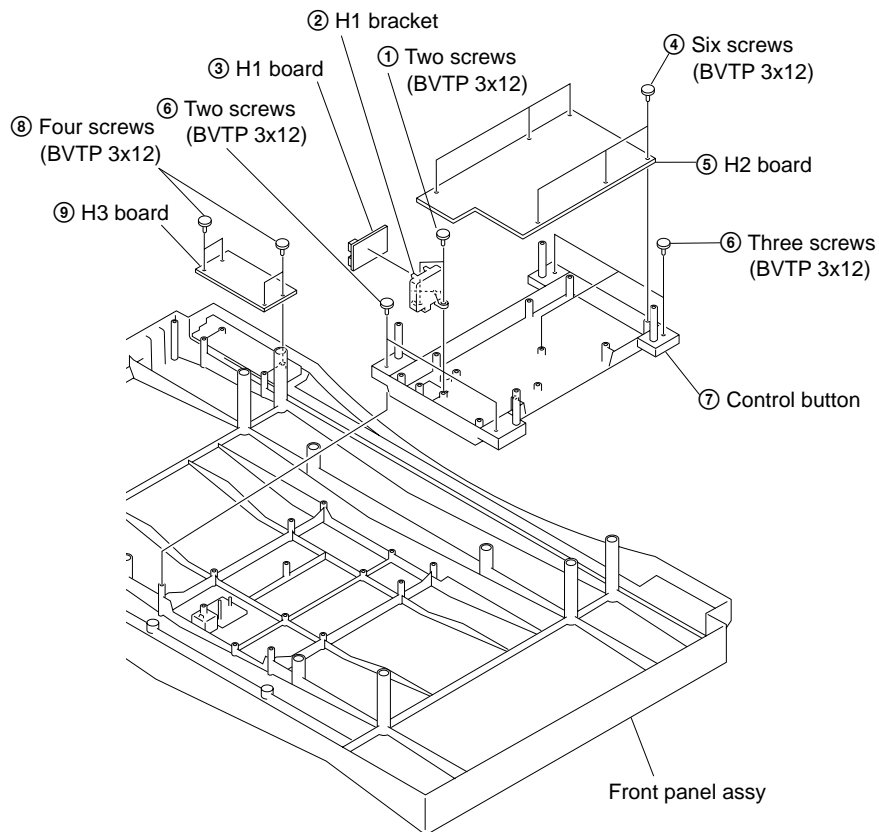
(1) KP-FX43



(2) KP-FX53

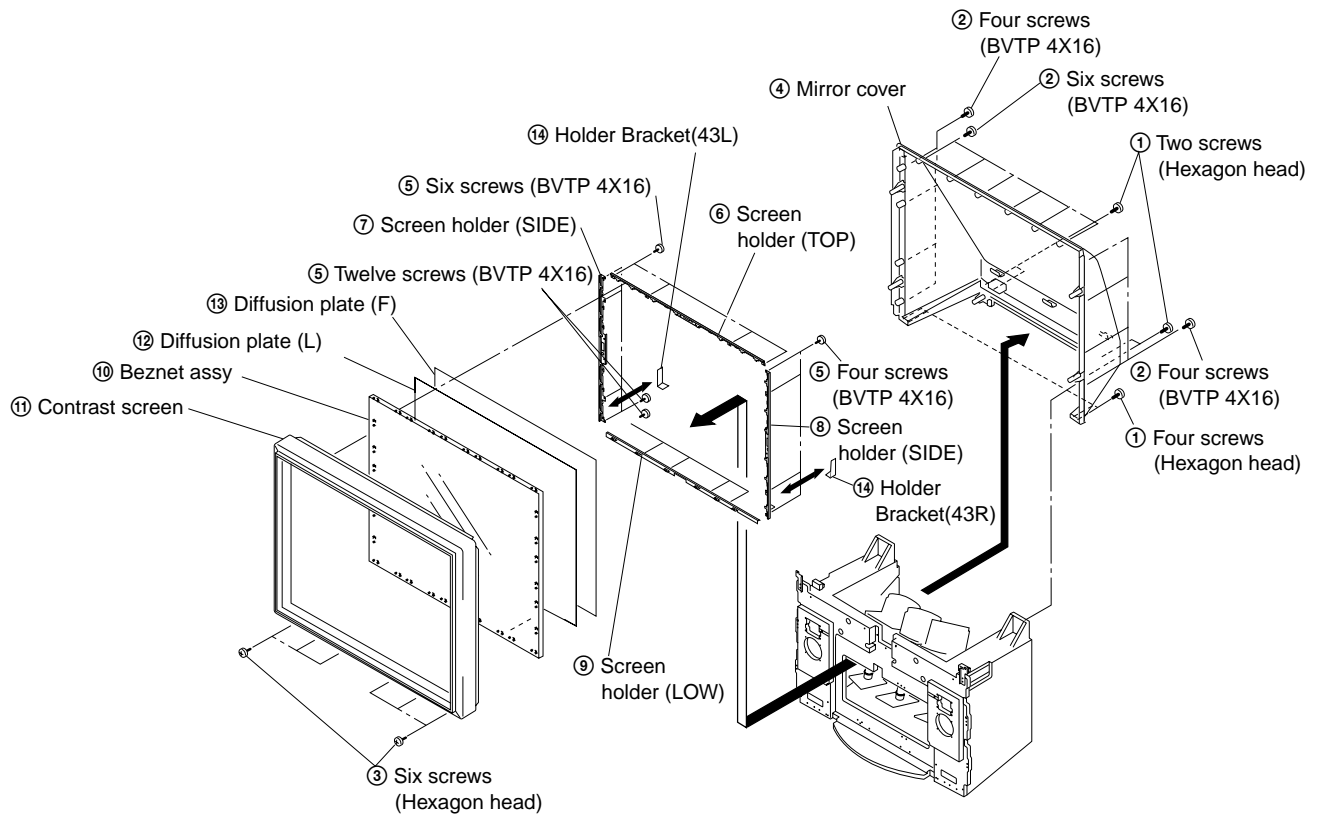


2-5. H1, H2 AND H3 BOARDS REMOVAL



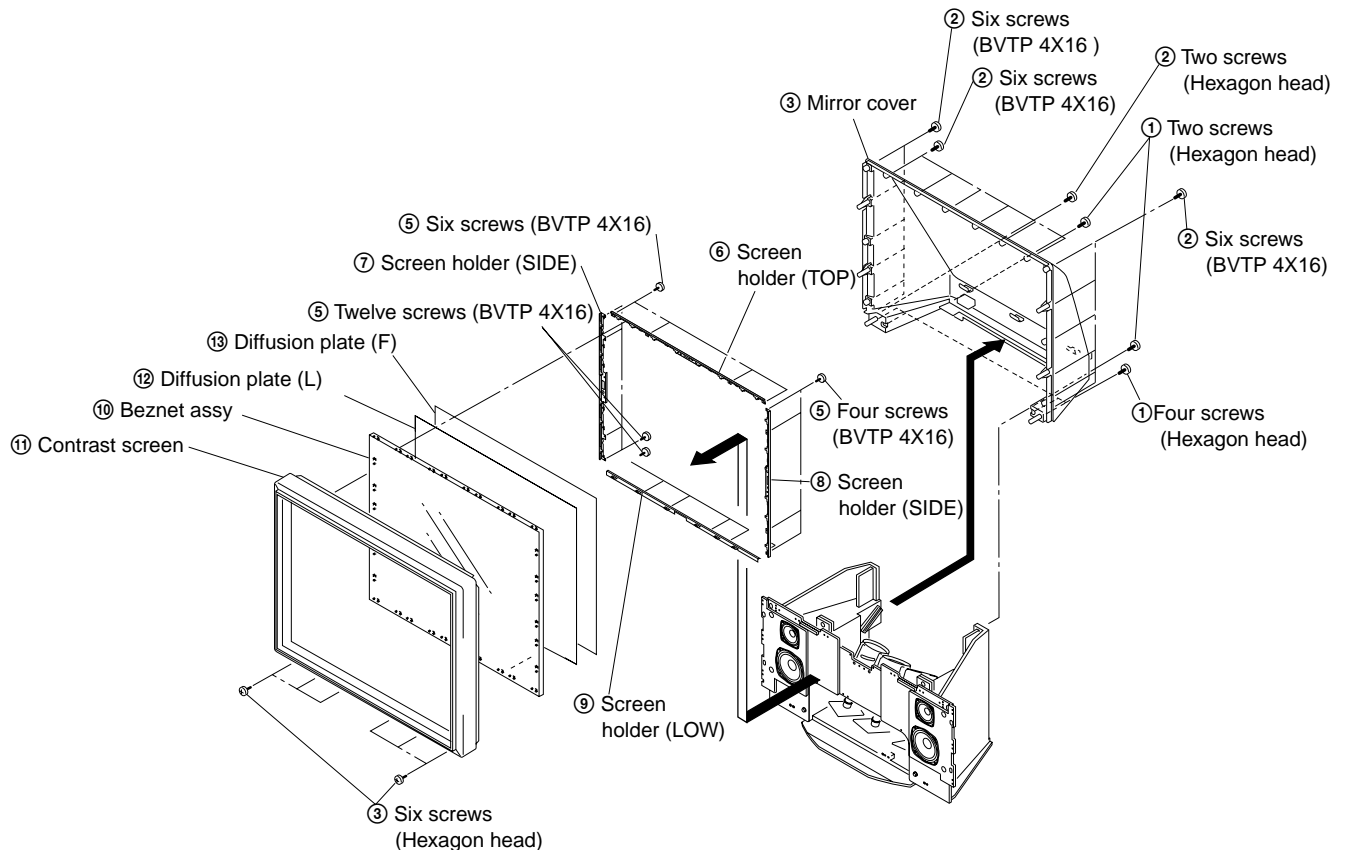
2-6. BEZNET AND MIRROR COVER REMOVAL

(1) KP-FX43

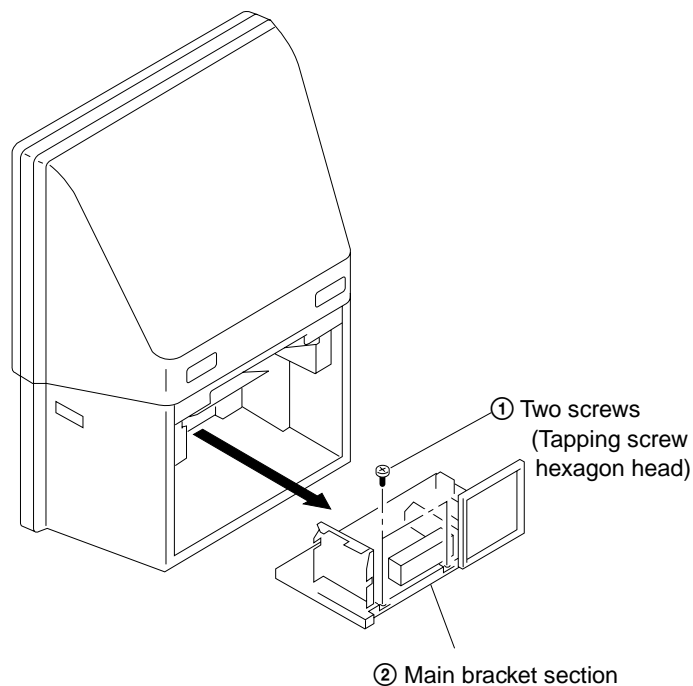


2-6. BEZNET AND MIRROR COVER REMOVAL

(2) KP-FX53

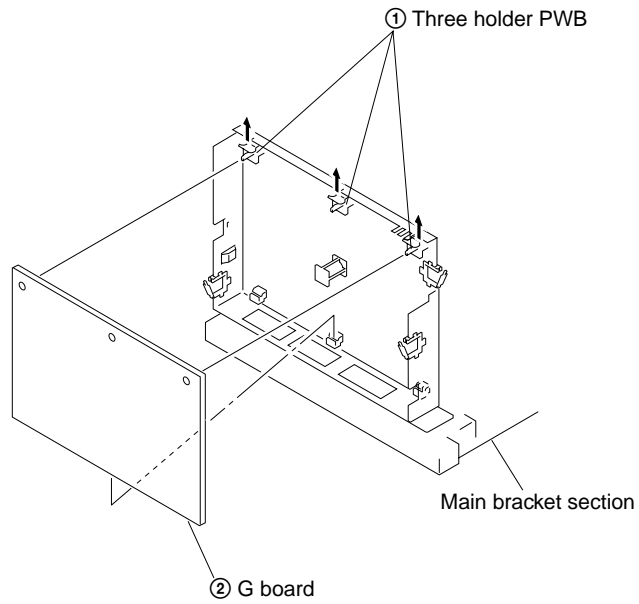


2-7 MAIN BRACKET REMOVAL

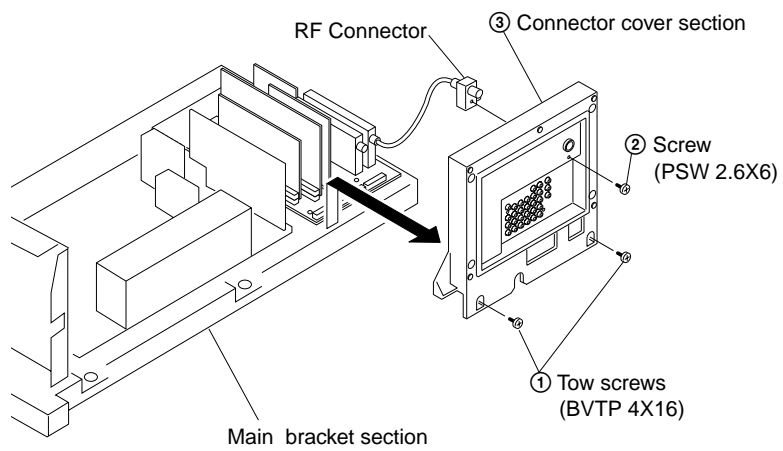


※ Pay particular attention to the wires of each printed circuit boards when pulling out the mainbracket.

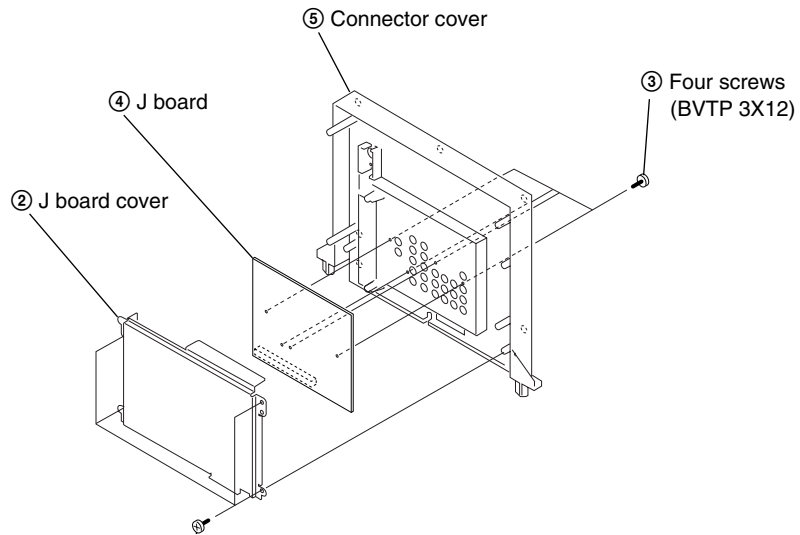
2-8. G BOARD REMOVAL



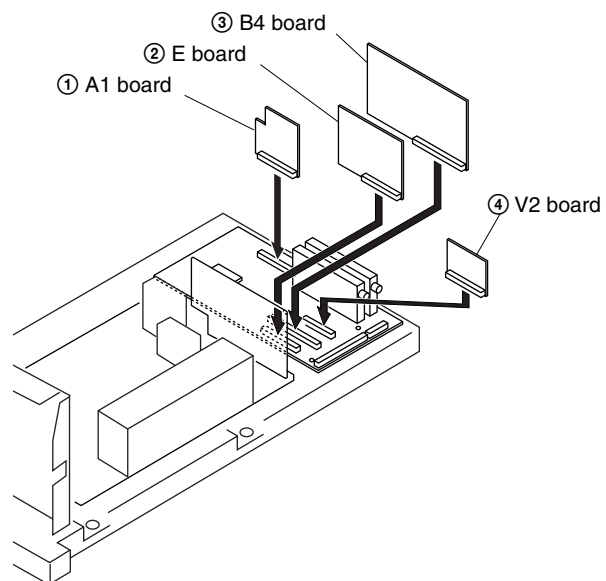
2-9. CONNECTOR COVER REMOVAL



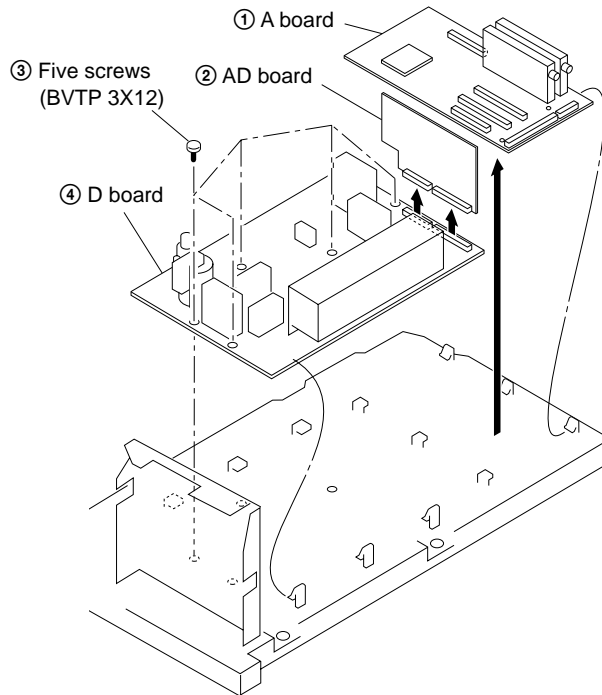
2-10. J BOARD REMOVAL



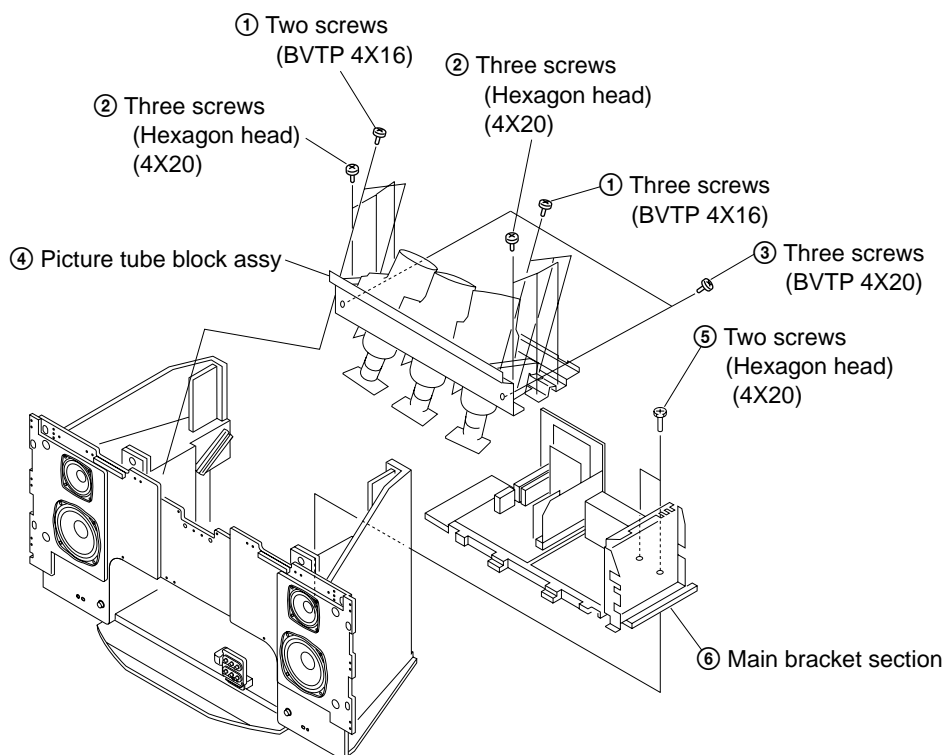
2-11. A1, E, B4, AND V2 BOARDS REMOVAL



2-12. A, AD AND D BOARDS REMOVAL

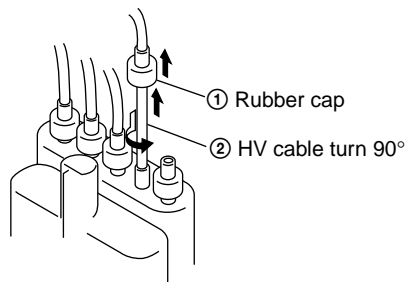


2-13. PICTURE TUBE REMOVAL

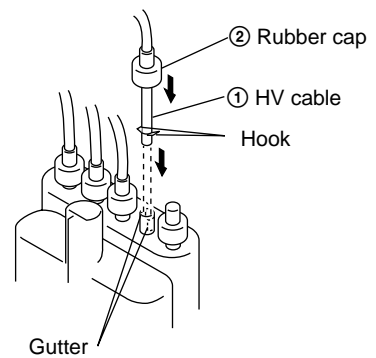


2-14 HIGH-VOLTAGE CABLE INSTALLATION AND REMOVAL

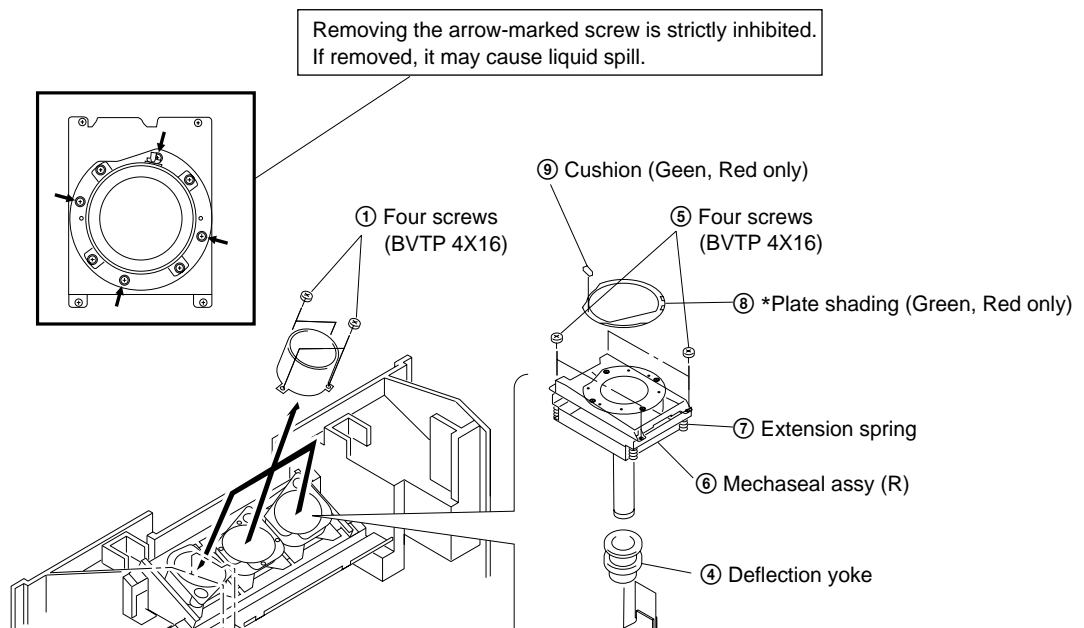
(1) Remover



(2) Installation



2-15. MECHASEAL



- * : 1. When installing the Mechaseal assy (RED, and GREEN), be sure to reuse the Plate shading.
 2. Check alignment to make sure the Plate shadings are the right positions as following Fig 2-5.

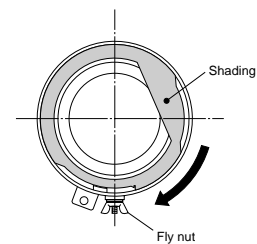


Fig 2-5

SECTION 3 SET-UP ADJUSTMENTS

3-1. SCREEN VOLTAGE ADJUSTMENT (ROUGH ALIGNMENT)

1. Receive the Monoscope signal.
2. Set 50% BRIGHTNESS and minimum PICTURE.
3. Turn the red VR on the focus pack all the way to the left and then gradually turn it to the right until the point where you can see the retrace line.
4. Next gradually turn it to the left to the position where the retrace line disappears.

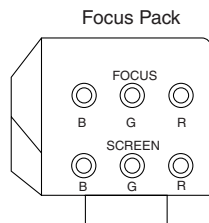


Fig. 3-1

3-2. SCREEN (G2) ADJUSTMENT (FINE ADJUSTMENT)

1. Turn on the power of the set.
2. Select VIDEO1 mode without signal.
3. Supply DC 175 ± 0.5 V from external power supply to KR, KG or KB of CR board, CG board and CB board.(Fig.3-2)
4. Adjust red, green and blue screen voltage to until retrace line disappears with screen VR on the focus pack.
5. Confirm if retrace can be seen.

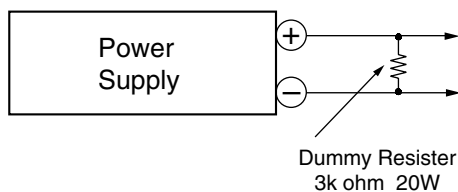
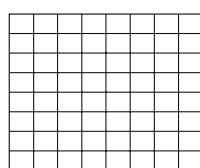


Fig. 3-2

3-3. FOCUS ROUGH ADJUSTMENT

1. Loose the lens screw.
2. Set in the service mode.
3. Place the caps on the red and blue lens so that only the green color is shown.
4. Press "①" or "④" button on the commander and select "PJE", press "⑥" three times on the Commander to display the test signal (crosshatch) on the screen.



Test signal

Fig. 3-3

5. Rotate the green lens and align to obtain the best lens focus at the center area.
6. Rotate the green focus VR on the focus pack and align to obtain the best electrical focus in the center area.
7. Perform the same alignment for red and blue lenses and electric focus.
8. Fix lens screw.

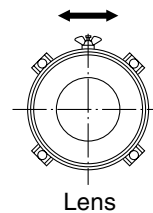


Fig. 3-4

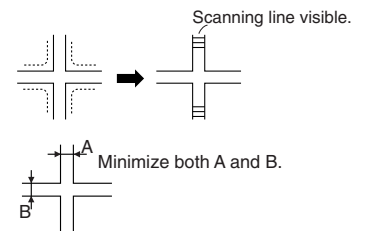
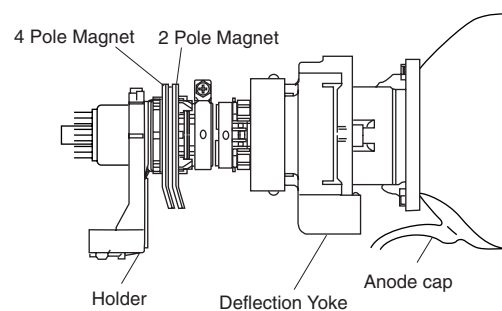


Fig. 3-5

3-4. DEFLECTION YOKE TILT ADJUSTMENT

1. Receive the Monoscope signal.
2. Place the caps on the red and blue lens so that only the green color.
3. Loosen the deflection yoke setscrew and align the tilt of the Deflection yoke so that the bars at the center of the monoscope pattern are horizontal.
4. After aligning the deflection yoke, fasten it securely to the funnel-shaped portion of the CRT.
5. The tilt of the deflection yoke for red and blue is aligned the same as was done for green.



Make sure deflection yoke is touching CRT closely.

Fig. 3-6

3-5. 2-POLE MAGNET ADJUSTMENT

1. Receive the Dot signal.
2. Place the caps on the red and blue lens so that only the green color is shown.
3. Turn the green focus VR on the focus pack to the left and set to under focus to enlarge the spot.
4. Adjust the 2-Pole Magnet so that the bright spot should be centered.
(center of the dot doesn't move)
5. Align the green focus VR and set for just (precise) focus.

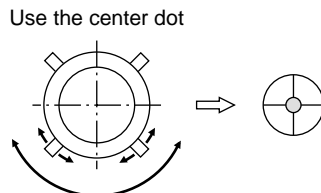


Fig. 3-8

3-6. CENTERRING MAGNET ADJUSTMENT

1. Receive the SPCB signal.
2. Cover the both red and blue picture lenses with the lens caps to show only the color.
3. Adjust the green centering magnet to put the center of the SPCB signal to the center of the screen.
4. Adjust red centering magnet in the same way.
5. Adjust blue centering magnet in the same way.

3-7. 4-POLE MAGNET ADJUSTMENT

1. Receive the Dot signal.
2. Place the caps on the red and blue lens so that only the green color is shown.
3. Turn the green focus VR on the focus pack to the right and set to over focus to enlarge the spot.
4. Now align the 4-Pole Magnet so that the enlarged spot becomes a perfect circle.
5. Perform the same alignment for red.

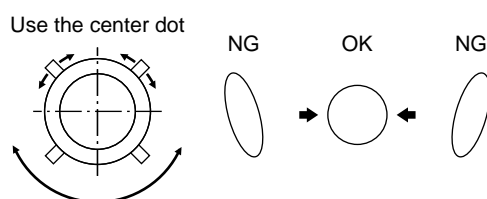
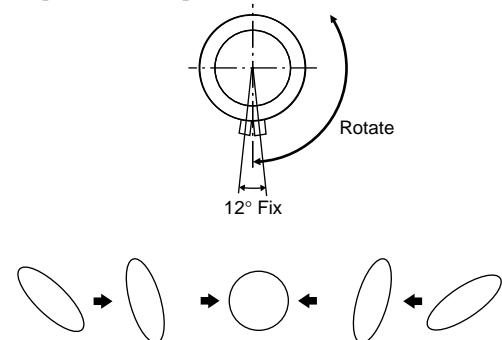


Fig. 3-9

3-8. DEFOCUS ADJUSTMENT (BLUE)

1. Receive the Dot signal.
2. Cover the both red and green picture lenses with the lens caps to show only the color.
3. Turn the blue focus VR on the focus pack to the right to make the round dot elliptical.
4. Set 4 pole magnet tab angle 12°.
5. Rotate 4 pole magnet keeping Tab angle 90° make the spot shape vertical ellipse.

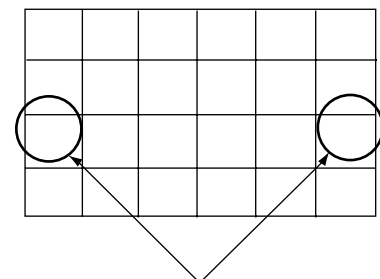


OK
 Fig. 3-10

3-9. GREEN, RED AND BLUE FOCUS ADJUSTMENT

3-9-1. Green, Red and Blue Lens Focus Adjustment

1. Receive the cross hatch signal.
2. Place the caps on the red and blue lens so that only the green color is shown.
3. Rotate the green lens and adjust to obtain the best lens focus at the center area.
4. Fix lens screw.
5. Repeat above process for red and blue.
6. Rotate the blue lens and adjust to obtain the best lens focus at the both side area.
7. Fix blue lens screw.

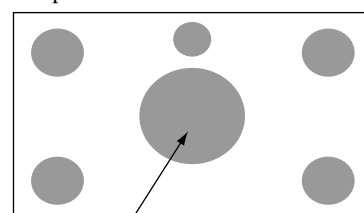


Adjust Point of Blue

Fig. 3-11

3-9-2. Green and Red Dot/Hatch Electrical Focus Adjustment

1. Receive the signal.
2. Place the caps on the red and blue lens so that only the green color is shown.
3. Rotate the green focus VR on the focus pack and adjust to obtain the best electrical focus in the adjust point.
4. Repeat above process for red and blue.

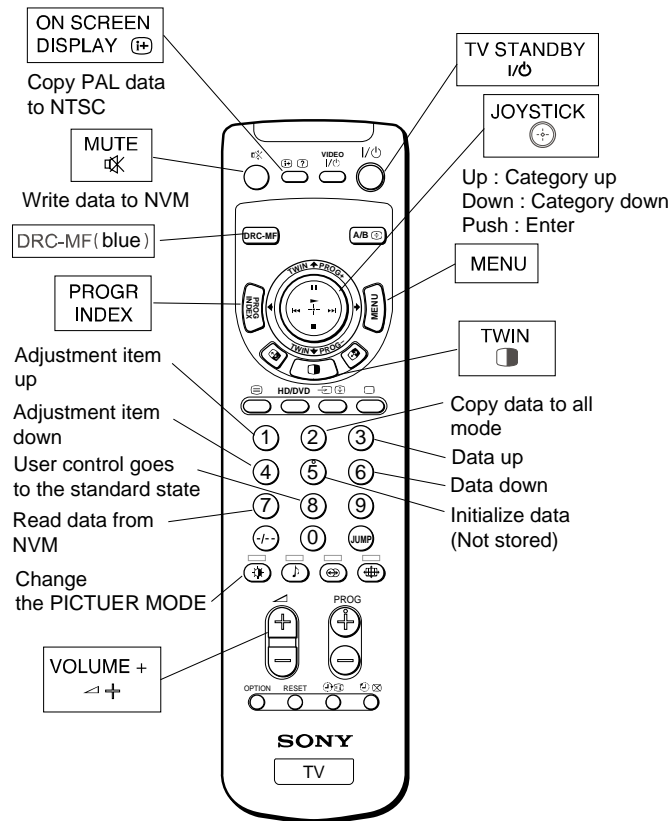


Adjust Point of Green and Red

Fig. 3-12

3-10. ADJUSTMENTS WITH COMMANDER

Service adjustment to this model can be performed with the supplied remote commander RM-998



3-10-1. How to Select Each Mode

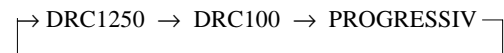
	50 Hz (PAL)	60 Hz (NTSC)	WIDE 60 Hz (NTSC)	WIDE 50 Hz (PAL)
DRC1250	○	○	○	○
DRC100	○	○	○	○
TWIN	○	○	×	×
INDEX	○	○	×	×

1. Selection of Mode Between 50 Hz and 60 Hz

- 50 Hz : Enter the PAL signal.
- 60 Hz : Enter the NTSC signal.
- WIDE 60 Hz : Enter the NTSC signal MENU WIDE ON.
- WIDE 50 Hz : Enter the PAL signal MENU WIDE ON.

2. Selection of DRC Mode

- 1) Press "DRC-MF (blue)" button on the commander, repeatedly until displays the mode that you want to select on the screen.



Note : The DRC-MF mode is not selectable when using the "PROGRAM INDEX" or "TWIN" mode is turned "ON".

3. Selection of WIDE mode

- 1) Press "MENU" button on the commander and move "JOYSTICK" up or down to enter the "FEATURE" → "WIDE MODE".
- 2) Move "JOYSTICK" up or down to select "ON" or "OFF", and push "ENTER" button.
- 3) Press "MENU" button to return to normal screen.

4. Selection of TWIN mode

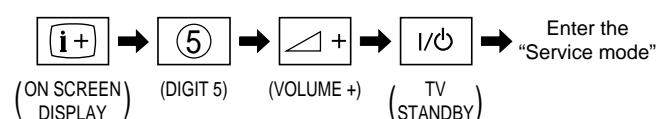
- 1) Press "TWIN" button on the commander.
- 2) Press "TWIN" button again to return to normal screen.

5. Selection of INDEX mode

- 1) Press "PROGR INDEX" button on the commander.
- 2) Press "PROGR INDEX" button again to return to normal screen.

3-10-2. How to Enter Service Mode

1. Turn on the main power switch to place this set in standby mode. (LED will light in red.)
2. Press the buttons on the commander as follows, and enter service mode.

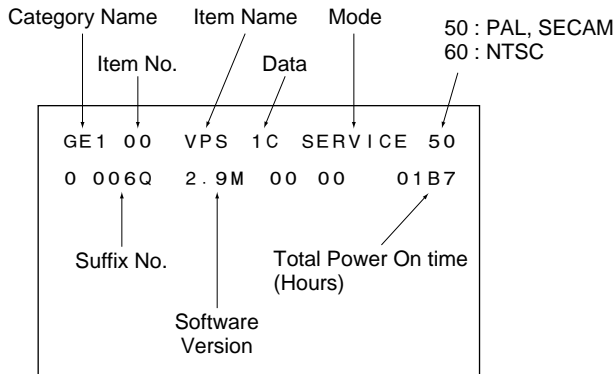


3-10-3. Method of Cancellation from Service Mode

1. Set the standby mode (Press “I/⏻ (TV STANDBY)” button on the commander), then press “I/⏻ (TV STANDBY)” button again, hereupon it becomes TV mode.

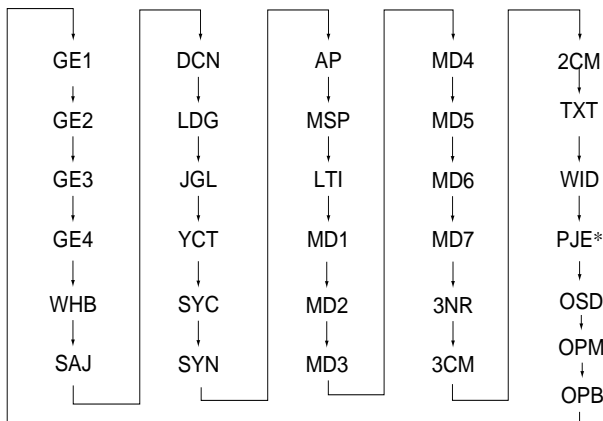
3-10-4. How to Adjustments

1. Set in the service mode, the following screen will appear.



2. Press “①” or “④” button on the commander to select the adjustment item.
3. Press “③” or “⑥” button on the commander to change the adjustment data.
4. Move “⏪” up or down to select the adjustment category.

When move “⏪” up (category up), service mode changes in the order as shown below.



* : When it moves from PJE to other categories, repeat ① or ④ button and press it.

3-10-5. How to Write the Data

1. Set in the service mode.
2. Press “①” or “④” button on the commander, select the adjustment item, and press “③” or “⑥” button to change the data.
3. Press “⏻ (MUTE)” button on the commander and it will indicate “WRITE” on the screen.
4. Press “⑩” button on the commander to write into memory. (The “WRITE” display will be changed to red color while executing, and back to “SERVICE”.)

Commander Function (Except PJE mode)

Button	Mode	Description
⏻ + ⑩	WRITE	Writes data to NVM.
⑦ + ⑩	READ	Reads data from NVM.
⑧ + ⑩	NORMAL	All user control goes to the standard.
⑤ + ⑩	INITIAL	Service data initialization. Not stored. (Be sure not to use usually)
② + ⑩	COPY	Do not operate with a remote commander.
⏪ + ⑩	WRT5060	(The data vary with among mode.)

Note : Before changing to other modes, press “⏻ (MUTE)” + “⑩” buttons on the commander to write the data. (Omission of this operation causes the data to be returned to the data before adjustment.)

- : Confirm the adjustment mode before writing data for data values because to vary in each adjustment mode.
- : The adjustment item that there are no relations in the adjustment is not to change data values because all items are written in each adjustment mode.

3-10-6. Memory Write Confirmation Method

1. After adjustment, turn off the AC main power switch off.
2. Turn the power switch ON and set in service mode.
3. Call the adjustment items again to confirm adjustments were made.

Note

- Common : The data value of each mode. Other are set up by each mode.
- : Shaded items are fixed data.
- : Though data value is indicated on the screen, it is not used.
- Standard data listed on the Adjustment Item Table are reference values, therefore it may be different for each model and each mode.
- Note for Different Data :

Those are the standard data values written on the microprocessor. Therefore, the data values of the modes and stored respectively in the memory.

In case of a device replacement, adjustment by rewriting the data value is necessary for some items.

Category	Item		Function	Standard Data									Device Name (Slave Address)
	No.	Name		50 Hz									
				DRC1250	PROGRESSIVE	DRC100	DRC1250 VC	PRGRE VC	DRC100 VC	TWIN	INDEX	HD	
GE1	00	VPS	VERTICAL POSITION	19	19	19	19	19	19	19	19	19	CXA2170AQ(86H)
	01	VSZ	VERTICAL SIZE	1B	1B	1B	1B	1B	1B	1B	1B	1B	
	02	VZO	V SIZE OFF SET (PJ only)	00	00	00	00	00	00	00	00	00	
	03	VLN	VERTICAL LINEARITY	05	05	05	05	05	05	05	05	05	
	04	VSC	VERTICAL S CORRECTION	08	08	08	08	08	08	08	08	08	
	05	VCN	VERTICAL CENTERING	1F	1F	1F	1F	1F	1F	1F	1F	1F	
	06	VPN	VERTICAL PIN	0F	0F	0F	0F	0F	0F	0F	0F	0F	
	07	MVP	VERTICAL MIDDLE PIN	00	00	00	00	00	00	00	00	00	
					00			00			00		
	08	HTZ	HORIZONTAL TRAPEZOID	0F	0F	0F	0F	0F	0F	0F	0F	0F	
	09	MHZ	MIDDLE HORIZONTAL TRAPEZOID	00	00	00	00	00	00	00	00	00	
	0A	ZOM	ZOOM SW	00	00	00	00	00	00	00	00	00	
	0B	ASP	ASPECT SWITCH	01	01	01	01	01	01	01	01	01	
	0C	VSP	ASPECT RATIO	37	37	34	35	35	32	37	37	36	
	0D	VSR	VERTICAL SCROLL	1D	1D	1D	1D	1D	1D	1D	1D	1D	
	0E	UVL	UPPER VERTICAL LINEARITY	00	00	00	00	00	00	00	00	00	
0F	LVL	LOWER VERTICAL LINEARITY	00	00	00	00	00	00	00	00	00		
GE2	00	HCT	HORIZONTAL CENTERING	13	13	13	13	13	13	13	13	13	
	01	HPS	HORIZONTAL POSITION	17	17	17	17	17	17	17	17	17	
	02	HSZ	HORIZONTAL SIZE	1F	1F	1F	1F	1F	1F	1F	1F	1F	
	03	SLN	HORIZONTAL S CORRECTION	09	09	09	09	09	09	09	09	09	
	04	MPN	HORIZONTAL MIDDLE PIN	00	00	00	00	00	00	00	00	00	
	05	PIN	HORIZONTAL PIN	01	01	01	01	01	01	01	01	01	
	06	PN0	PIN OFF SET (PJ only)	07	07	07	07	07	07	07	07	07	
	07	UCP	UPPER CORNER PIN	1F	1F	1F	1F	1F	1F	1F	1F	1F	
	08	LCP	LOWER CORNER PIN	1F	1F	1F	1F	1F	1F	1F	1F	1F	
	09	UXG	UPPER EXTRA CORNER PIN GAIN	00	00	00	00	00	00	00	00	00	
	0A	LXG	LOWER EXTRA CORNER PIN GAIN	00	00	00	00	00	00	00	00	00	
	0B	UXP	UPPER EXTRA CORNER PIN POSITION	02	02	02	02	02	02	02	02	02	
	0C	LXP	LOWER EXTRA CORNER PIN POSITION	02	02	02	02	02	02	02	02	02	
	0D	XPL	EXTRA CORNER PIN POLARITY	00	00	00	00	00	00	00	00	00	
	0E	PPH	PIN PHASE	1F	1F	23	1F	1F	23	1F	1F	1F	
	0F	VAG	AFC ANGLE	1F	1F	1F	1F	1F	1F	1F	1F	1F	
10	LNA	LINEARITY ANGLE	1F	1F	1F	1F	1F	1F	1F	1F	1F		
11	VBW	AFC BOW	1F	1F	1F	1F	1F	1F	1F	1F	1F		
12	LBW	LINEARITY BOW	30	30	30	30	30	30	30	30	30		

Category	Item		Function	Standard Data										Device Name
				60 Hz										(Slave Address)
	No.	Name		DRC1250	PROGRE	DRC100	DRC1250 VC	PROGRE	DRC100 VC	TWIN	INDEX	HD	MS-MODE	
GE1	00	VPS	VERTICAL POSITION	19	19	19	19	19	19	19	19	19	19	CXA2170AQ(86H)
	01	VSZ	VERTICAL SIZE	1B	1B	1B	1B	1B	1B	1B	1B	1B	1B	
	02	VZO	V SIZE OFF SET (PJ only)	00	00	00	00	00	00	00	00	00	00	
	03	VLN	VERTICAL LINEARITY	05	05	05	05	05	05	05	05	05	05	
	04	VSC	VERTICAL S CORRECTION	08	08	08	08	08	08	08	08	08	08	
	05	VCN	VERTICAL CENTERING	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
	06	VPN	VERTICAL PIN	0F	0F	0F	0F	0F	0F	0F	0F	0F	0F	
	07	MVP	VERTICAL MIDDLE PIN	00	00	00	00	00	00	00	00	00	00	
	08	NSC	ROTATION	00	00	00	00	00	00	00	00	00	00	
	09	HTZ	HORIZONTAL TRAPEZOID	0F	0F	0F	0F	0F	0F	0F	0F	0F	0F	
	0A	MHZ	MIDDLE HORIZONTAL TRAPEZOID	00	00	00	00	00	00	00	00	00	00	
	0B	ZOM	ZOOM SW	00	00	00	00	00	00	00	00	00	00	
	0C	ASP	ASPECT SWITCH	01	01	01	01	01	01	00	00	00	01	
	0D	VSP	ASPECT RATIO	32	32	2F	30	30	2D	26	26	2B	2B	
	0E	VSR	VERTICAL SCROLL	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	
	0F	UVL	UPPER VERTICAL LINEARITY	00	00	00	00	00	00	00	00	00	00	
	10	LVL	LOWER VERTICAL LINEARITY	00	00	00	00	00	00	00	00	00	00	
GE2	00	HCT	HORIZONTAL CENTERING	13	13	13	13	13	13	13	13	13	13	
	01	HPS	HORIZONTAL POSITION	17	17	17	17	17	17	17	17	17	17	
	02	HSZ	HORIZONTAL SIZE	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
	03	SLN	HORIZONTAL S CORRECTION	09	09	09	09	09	09	09	09	09	09	
	04	MPN	HORIZONTAL MIDDLE PIN	00	00	00	00	00	00	00	00	00	00	
	05	PIN	HORIZONTAL PIN	01	01	01	01	01	01	01	01	01	01	
	06	PN0	PIN OFF SET (PJ only)	07	07	07	07	07	07	07	07	07	07	
	07	UCP	UPPER CORNER PIN	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
	08	LCP	LOWER CORNER PIN	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
	09	UXG	UPPER EXTRA CORNER PIN GAIN	00	00	00	00	00	00	00	00	00	00	
	0A	LXG	LOWER EXTRA CORNER PIN GAIN	00	00	00	00	00	00	00	00	00	00	
	0B	UXP	UPPER EXTRA CORNER PIN POSITION	02	02	02	02	02	02	02	02	02	02	
	0C	LXP	LOWER EXTRA CORNER PIN POSITION	02	02	02	02	02	02	02	02	02	02	
	0D	XPL	EXTRA CORNER PIN POLARITY	00	00	00	00	00	00	00	00	00	00	
0E	PPH	PIN PHASE	1F	1F	23	1F	1F	23	1F	1F	1F	1F		
0F	VAG	AFC ANGLE	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F		
10	LNA	LINEARITY ANGLE	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F		
11	VBW	AFC BOW	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F		
12	LBW	LINEARITY BOW	30	30	30	30	30	30	30	30	30	30		

Category	Item		Function	Standard Data									Device Name	
	No.	Name		50 Hz									(Slave Address)	
				DRC1250	PROGRESSIVE	DRC100	DRC1250 VC	PRGRE VC	DRC100 VC	TWIN	INDEX	HD		
GE3	00	HBL	HORIZONTAL BLANKING SWITCH	01	01	01	01	01	01	01	01	01	CXA2170AQ(86H)	
	01	LBL	LEFT BLANKING	3F	3F	3F	3F	3F	3F	3F	3F	3F		
	02	RBL	RIGHT BLANKING	17	17	17	17	17	17	17	17	17		
	03	VBL	VERTICAL BLANKING SWITCH	01	01	01	01	01	01	01	01	01		
	04	TBL	TOP BLANKING	00	0B	0F	0F	0F	0F	0F	04	04		0F
	05	BBL	BOTTOM BLANKING	00	0E	0F	0F	0F	0F	0F	08	08		0F
	06	BLK	BLANKING OFF	00	00	00	00	00	00	00	00	00		00
	07	VCM	VERTICAL COMPENSATION	00	00	00	00	00	00	00	00	00		00
	08	HCM	HORIZONTAL COMPENSATION	00	00	00	00	00	00	00	00	00		00
	09	ACM	AFC COMPENSATION	00	00	00	00	00	00	00	00	00		00
	0A	PCM	PIN COMPENSATION	00	00	00	00	00	00	00	00	00		00
	0B	AFC	AFC LOOP GAIN	03	03	03	03	03	03	03	03	03		03
	0C	JMP	REFERENCE PULSE JUMP SWITCH	00	00	00	01	01	01	01	00	00		01
	0D	VSW	VERTICAL DRIVE JUMP SWITCH	01	01	01	01	01	01	01	01	01		01
	0E	RST	VERTICAL DRIVE START SWITCH	00	00	00	00	00	00	00	00	00		00
	0F	EWD	PIN DC LEVEL SHIFT	00	00	00	00	00	00	00	00	00		00
	10	AKT	AKB TIMING	16	16	09	09	09	09	10	16	16		09
	11	PPL	PIN COMP POLARITY	00	00	00	00	00	00	00	00	00		00
	12	M15	FH=15K @ MS MODE	00	00	00	00	00	00	00	00	00		00
13	HFQ	Fh setting @multi-scan	50	50	50	50	50	50	50	50	50	50		
14	HFX	Reciprocal Fh @mult-scan	19	19	19	19	19	19	19	19	19	19		
15	VMP	VERTICAL MULTI-SCAN MODE	00	00	00	00	00	00	00	00	00	00		
16	ITL	FREERUN INTERLACE SETTING	00	00	00	00	00	00	00	00	00	00		
17	VLL	VERTICAL # OF LINE(L)	00	00	00	00	00	00	00	00	00	00		
18	VLH	VERTICAL # OF LINE(H)	00	00	00	00	00	00	00	00	00	00		
19	AGC	AGC SW for PAL	00	00	00	00	00	00	00	00	00	00		
GE4	00	DFS	DF SW											
	01	DFH	DF Phase											
	02	QPH	QP Phase											
	03	QAM	DQP AMPLITUDE											
	04	QAV	DQP AMPLITUDE VERTICAL MODULATION											
	05	QAA	DQP AMPLITUDE TILT											
	06	QPC	DQP DC LEVEL	11	11	11	11	11	11	11	11	11	11	
	07	QPV	DQP DC LEVEL VERTICAL MODULATION	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
	08	QPP	DQP DC LEVEL TILT	07	07	07	07	07	07	07	07	07	07	
	09	QAM	DQP AMPLITUDE	14	14	14	14	14	14	14	14	14	14	
	0A	QAV	DQP AMPLITUDE VERTICAL MODULATION	3C	3C	3C	3C	3C	3C	3C	3C	3C	3C	
0B	QAA	DQP AMPLITUDE TILT	07	07	07	07	07	07	07	07	07	07		
0C	CPY	COPY FUNCTION (Full to Vcomp/normal)	00	00	00	00	00	00	00	00	00	00		

Category	Item		Function	Standard Data									Device Name
				60 Hz									(Slave Address)
	No.	Name		DRC1250	PROGRE	DRC100	DRC1250 VC	PROGRE	DRC100 VC	TWIN	INDEX	HD	MS-MODE
GE3	00	HBL	HORIZONTAL BLANKING SWITCH	01	01	01	01	01	01	01	01	01	CXA2170AQ(86H)
	01	LBL	LEFT BLANKING	3F	3F	3F	3F	3F	3F	3F	3F	3F	
	02	RBL	RIGHT BLANKING	17	17	17	17	17	17	17	17	17	
	03	VBL	VERTICAL BLANKING SWITCH	01	01	01	01	01	01	01	01	01	
	04	TBL	TOP BLANKING	00	06	0A	0C	0C	0F	04	04	0C	04
	05	BBL	BOTTOM BLANKING	00	08	0E	00	00	0F	06	06	0B	06
	06	BLK	BLANKING OFF	00	00	00	00	00	00	00	00	00	00
	07	VCM	VERTICAL COMPENSATION	00	00	00	00	00	00	00	00	00	00
	08	HCM	HORIZONTAL COMPENSATION	00	00	00	00	00	00	00	00	00	00
	09	ACM	AFC COMPENSATION	00	00	00	00	00	00	00	00	00	00
	0A	PCM	PIN COMPENSATION	00	00	00	00	00	00	00	00	00	00
	0B	AFC	AFC LOOP GAIN	03	03	03	03	03	03	03	03	03	03
	0C	JMP	REFERENCE PULSE JUMP SWITCH	00	00	00	01	01	01	00	00	01	00
	0D	VSW	VERTICAL DRIVE JUMP SWITCH	01	01	01	01	01	01	01	01	01	01
	0E	RST	VERTICAL DRIVE START SWITCH	00	00	00	00	00	00	00	00	00	00
	0F	EWD	PIN DC LEVEL SHIFT	00	00	00	00	00	00	00	00	00	00
	10	AKT	AKB TIMING	10	10	09	12	12	10	09	09	09	09
	11	PPL	PIN COMP POLARITY	00	00	00	00	00	00	00	00	00	00
	12	M15	FH=15K @ MS MODE	00	00	00	00	00	00	00	00	00	00
13	HFQ	Fh setting @multi-scan	50	50	50	50	50	50	50	50	50	50	
14	HFX	Reciprocal Fh @multi-scan	19	19	19	19	19	19	19	19	19	19	
15	VMP	VERTICAL MULTI-SCAN MODE	00	00	00	00	00	00	00	00	00	00	
16	ITL	FREERUN INTERLACE SETTING	00	00	00	00	00	00	00	00	00	00	
17	VLL	VERTICAL # OF LINE(L)	00	00	00	00	00	00	00	00	00	00	
18	VLH	VERTICAL # OF LINE(H)	00	00	00	00	00	00	00	00	00	00	
19	AGC	AGC SW for PAL	00	00	00	00	00	00	00	00	00	00	
GE4	00	DFS	DF SW										
	01	DFH	DF Phase										
	02	QPH	QP Phase										
	03	QAM	DQP AMPLITUDE										
	04	QAV	DQP AMPLITUDE VERTICAL MODULATION										
	05	QAA	DQP AMPLITUDE TILT										
	06	QPC	DQP DC LEVEL	00	00	00	00	00	00	00	00	00	00
	07	QPV	DQP DC LEVEL VERTICAL MODULATION	00	00	00	00	00	00	00	00	00	00
	08	QPP	DQP DC LEVEL TILT	00	00	00	00	00	00	00	00	00	00
	09	QAM	DQP AMPLITUDE	00	00	00	00	00	00	00	00	00	00
	0A	QAV	DQP AMPLITUDE VERTICAL MODULATION	19	19	19	19	19	19	19	19	19	19
0B	QAA	DQP AMPLITUDE TILT	1B	1B	1B	1B	1B	1B	1B	1B	1B	1B	
0C	CPY	COPY FUNCTION (Full to Vcomp/normal)	00	00	00	00	00	00	00	00	00	00	

Category	Item		Function	NVM Address	Others	YUV			RGB			MS	Device Name
	No.	Name		Common		SD-I	SD-P	HD	SD-I	SD-P	HD		(Slave Address)
WHB	00	YOS	DC Offset Canceller for Y Signal	07									CXA2170AQ(86H)
	01	UOS	DC Offset Canceller for Cb Signal		1F	1F	27	27	1F	27	27	1F	
	02	VOS	DC Offset Canceller for Cr Signal		1F	1F	29	29	1F	29	29	1F	
	03	SBR	Sub Brightness Control	1F									
	04	RDR	R Drive	1F									
	05	GDR	G Drive	17									
	06	BDR	B Drive	1F									
	07	RCT	R Cutoff	1F									
	08	GCT	G Cutoff	1B									
	09	BCT	B Cutoff	1F									
	0A	SBO	Sub Brightness Offset	1F									
	0B	RDO	R Drive Offset	1F									
	0C	GDO	G Drive Offset	1F									
	0D	BDO	B Drive Offset	1F									
	0E	RCO	R Cutoff Offset	1F									
0F	GCO	G Cutoff Offset	1F										
	10	BCO	B Cutoff Offset	1F									

*YUV, RGB : Component Signal
SD-I : 480i, 576i
SD-P : 480P, 576P
HD : 720P, 1080i (50/60 Hz)

Category	Item		Function	Standard Data													Twin	Index
				Common	50	60	50		60		Input Node Table Group 2							
	TV	VIDEO					TV	VIDEO	YUV		RGB		OTHER		MS			
No.	Name							SD-I	SD-P	HD	SD-I	SD-P	HD					
SAJ	00	PIC	Picture Control	*1														
	01	BRT	Brightness Control	*1														
	02	COL	Color Control	*1														
	03	HUE	Hue Control	*1														
	04	SHP	Sharpness Control	*1														
	05	VML	VM Level	*1														
	06	DYC	Dynamic Color on/off	*1														
	07	WBS	White Balance Offset Setting	*1														
	08	RZR	Color Matrix Specification		0D	08												
	09	RYB	Color Matrix Specification		0F	09												
	0A	GYR	Color Matrix Specification		07	09												
	0B	GYB	Color Matrix Specification		04	06												
	0C	GMS	Gamma Shape Correction	*1														
	0D	GMR	Gamma Red	*1														
	0E	GMG	Gamma Green	*1														
	0F	GMB	Gamma Blue	*1														
	10	DCT	DC Transmission Control	*1														
	11	APL	Auto Pedestal Level Control	*1														
	12	ABM	ABL Mode Control	*1														
	13	ABT	ABL Current detection Vth Control	*2														
	14	CLO	Color Offset															
	15	CLW	Color Step Width to the Change of S/N	03														
	16	HUO	Hue Offset															
	17	SHO	Sharpness Offset															
	18	SHW	Sharpness Step Width to the Change of S/N	02														
	19	PIO	Picture Offset for TWIN/INDEX												07	07		
	1A	BRO	Brightness Offset					0F	06	06	0F	06	06	0F				
	1B	DPL	APED BLACK SIZE INFLECTED SETTING	00														
	1C	TCO	COLOR ON/OFF SETTING	00														

SAJ: Standard Data *1

Category	Item		Function	Standard Data							
				Eco Off				Eco On			
	No.	Name		V-Comp	Twin/Index	WD-N	Other(4:3)	V-Comp	Twin/Index	WD-N	Other(4:3)
SAJ	13	ABT	ABL Current detection Vth Control	53":08/46":0B	53":04/46":07	-	53":04/46":07	53":0B/46":0E	53":08/46":0B	-	53":08/46":0B

SAJ: Standard Data *2

Category	Item		Function	Standard Data			
				Picture Mode			
	No.	Name		Dynamic	Standard	Hi-Fine	Psesonal
SAJ	00	PIC	Picture Control	3F	32	25	80%
	01	BRT	Brightness Control	21	1F	1F	50%
	02	COL	Color Control	53":30 / 43":2D	53":2A / 43":27	53":22 / 43":1F	
	03	HUE	Hue Control	1F	1F	1F	50%
	04	SHP	Sharpness Control	22	1F	1D	50%
	05	VML	VM Level				
	06	DYC	Dynamic Color on/off	01	01	00	01
	07	WBS	White Balance Offset Setting	00	00	00	00
	0C	GMS	Gamma Shape Correction	07	07	00	07
	0D	GMR	Gamma Red	07	03	00	07
	0E	GMG	Gamma Green	07	03	00	03
	0F	GMB	Gamma Blue	07	03	00	03
	10	DCT	DC Transmission Control	06	03	00	03
	11	APL	Auto Pedestal Level Control	01	02	00	02
	12	ABM	ABL Mode Control	02	02	00	02

Category	Item		Function	Data Range	Standard Data
	No.	Name			Common
DCN	00	SHS	DC AMP3		00
	01	YBU	VCA9		00
	02	YBL	VCA10		00
	03	RAP	DC AMP2		00
	04	RUB	VCA5		00
	05	RLB	VCA6		00
	06	LAP	DC AMP1		00
	07	LUB	VCA1		00
	08	LLB	VCA2		00
	09	CAJ	DC AMP4		00
LDG	00	NSC	NS Correction		00
	01	EWC	EW Correction		00
	02	LX	Left Cross Correction		00
	03	RX	Right Cross Correction		00
	04	HST	H Shift Correction		00
	05	ENS	Environmental SW		00
	06	TES	Temperature SW		00
	07	NSS	NS SW		00
	08	EWS	EW SW		00
	09	NSG	NS Correction Gain		00
	0A	EWG	EW Correction Gain		00
	0B	ENG	Environmental Correction Gain		00
	0C	ENS	NS Correction by Environment		00
	0D	TLD	Temp. Corr. DC of Left side		00
0E	TLU	Temp. Corr. DC of Left side		00	
0F	TLL	Temp.Corr. Gain of Left Upper		00	
10	TRD	Temp. Corr. Gain of Left Lower		00	
11	TRU	Temp. Corr. Gain of Right Upper		00	
12	TRL	Temp. Corr. Gain of Right Lower		00	
	13	DHM	DH Mute		00

Category	Item		Function	Standard Data															
				Common	50		60		YUV			RGB			MS	Picture Mode			
	No.	Name			TV	VIDEO	TV	VIDEO	SD-I	SD-P	HD	SD-I	SD-P	HD		Dynamic	Standard	Hi-Fine	Persona
JGL	00	PON	RGB and AKB Reference Pulse Output On/Off	01															
	01	RGB	RGB Output Selection	07															
	02	AGG	Aging Mode Selection	00															
	03	BBT	RGB Bottom Limiter Control	00															
	04	LML	RGB Amplitude Limiter Control	00															
	05	SCO	Sub Picture Control		07	07	07	07	07	07	07	07	07	07	03				
	06	LEV	RGB Level for RGB	05															
	07	SYS	Signal Band Selection		01	01	01	01	01	02	03	01	02	03	03				
	08	SF0	Sharpness f0 setting	01	01	01	01	01	01	01	01	01	01	01	01				
	09	SF1	High f0 sharpness gain control		00	01	00	01	01	01	03	01	01	03	00				
	0A	PRO	Pre/Over-Shoot Ratio Control		03	03	03	03	03	03	03	03	03	03	03				
	0B	LTI	Luminance Transient Improvement													02	02	00	02
	0C	LTM	LTI Mode Setting	01															
	0D	CTI	Chrominance Transient Improvement													01	01	00	01
	0E	VDL	VM OUT Phase Control		08	07	0A	07	07	07	0F	07	07	0F	07				
	0F	VCR	VM OUT Coring Level Setting		00	00	00	00	00	00	00	00	00	00	00				
	10	VFO	VM OUT F0 Setting		02	02	02	02	02	02	02	02	02	02	02				
	11	VLM	VM OUT Limiter Level Setting		03	03	03	03	03	03	00	03	03	00	00				
	12	SPH	H Sync Delay Timing Setting	00															
	13	CLP	CLP Pulse Phase Control	03															
	14	CLG	CLP Pulse Gate Setting	00															
	15	CLS	CLP Pulse Start Phase Setting	00															
	16	YOS	DC_OFFSET RANGE FOR Y SIGNAL SETTING	00															
	17	YLT	Y AMPLITUDE LIMITER LEVEL SETTING	03															
	18	YCS	Y SIGNAL GAIN SETTING		01	01	01	01	01	01	01	01	01	01	00				
	19	PHA	PHASE ADJ	03															
	1A	AKO	AKB_OFF	00															
	1B	HBS	RGB OUTPUT H BLANKING WHEN AKBOFF=0	00															
	1C	ARG	AUTO REGI LRGB_LEV	53":0C / 43":07															

Category	Item		Function	Standard Data											
				Common	2DComb	3DComb	S-Input	others	TV		VIDEO		DVD		
	No.	Name							50TV	60TV	50Video	60Video	50DVD	60DVD	
YCT	00	TNT	Tint Adjustment for NTSC							1F	1F	1F	1F		
	01	PNG	PAL/NTSC Gate Width	01											
	02	PNI	PAL/NTSC Sensitivity SW	00											
	03	SCL	Sub Color Control							07	07	07	07		
	04	SCT	Sub Contrast Control							07	07	07	07		
	05	SF0	Sharpness Center Frequency Changing	02											
	06	SEQ	Sharpness Equalizer Characteristic	03											
	07	SHG	Sharpness Gain Control							07	06	05	06	53":07 / 43":05	53":07 / 43":05
	08	YOL	Y-output Level Control	1F											
	09	BSP	Black Stretch Start Point Changing	00											
	0A	COL	Cb/Cr Output Level Control	1A											
	0B	DCR	DC Restoration Ratio Adjustment	00											
	0C	BF0	BPF/TQF F0 Adjustment	00											
	0D	BFQ	BPF/TQF Q Adjustment	02											
	0E	FSW	BPF/TQF Switch	01											
	0F	SDT	SECAM Double Trap Switch	01											
	10	LPF	Y/Cb/Cr LPF Switch	01											
	11	YDL	Y-DL Time Adjustment		06	05	05	03							
	12	B01	Cb Offset1 Adjustment (main route)	0A											
	13	RO1	Cr Offset1 Adjustment	07											
	14	CDF	V Count Down Frequency Switch	00											
	15	CDM	V Count Down Judge Switch	00											
	16	AFC	AFC Sensitivity Switch									00	00	00	00
	17	MVM	Macrovision Mask + AFC Mask	00											
	18	SRY	SECAM R-Y Black Adjustment	07											
19	SBY	SECAM B-Y Black Adjustment	01												
1A	BEL	SECAM BELL/HPF Switching	02												
1B	BLF	BELL f0 Adjustment	00												
1C	SVI	SECAM V-ID Switch	00												
1D	SGP	SECAM Gate Position Adjustment	00												
1E	SID	SECAM Sensitivity Switch	01												
1F	SIH	SECAM Inhibition Switch	00												
20	STP	Y Black Level Setup for PAL plus	00												
21	ASW	AUTO SWITCH	01												
22	3NR	3D NR Operation on/off	01												
23	BW6	3D NR for 60Hz non-bust signal on/off	01												
24	WSH	Sharpness Gain Step for noise reduction	00												
25	WCO	Cb/Cr Output Level Step for noise reduction	00												

Category	Item		Function	Standard Data									
	No.	Name		Common	S-Input	COLOR MODE			TV		Video		DVD
						SECAM	NTSC	PAL	50	60	50	60	
SYC	00	TNT	Tint Adjustment for NTSC						1F	1F	1F	1F	
	01	PNG	PAL/NTSC Gate Width	01									
	02	PNI	PAL/NTSC Sensitivity SW	00									
	03	SCL	Sub Color Control					07	07	07	07		
	04	SCT	Sub Contrast Control					07	07	07	07		
	05	SF0	Sharpness Center Frequency Changing	02									
	06	SEQ	Sharpness Equalizer Characteristic	03									
	07	SHG	Sharpness Gain Control	07									
	08	YOL	Y-output Level Control	1F									
	09	BSP	Black Stretch Start Point Changing	00									
	0A	COL	Cb/Cr Output Level Control	1F									
	0B	DCR	DC Restoration Ratio Adjustment	00									
	0C	BF0	BPF/TQF F0 Adjustment	01									
	0D	BFQ	BPF/TQF Q Adjustment	02									
	0E	FSW	BPF/TQF Switch	01									
	0F	SDT	SECAM Double Trap Switch	01									
	10	LPF	Y/Cb/Cr LPF Switch	01									
	11	YDL	Y-DL Time Adjustment		05	03	03	03					
	12	NCM	1-H Addition Switch	01									
	13	B01	Cb Offset1 Adjustment (main route)	07									
	14	RO1	Cr Offset1 Adjustment	07									
	15	CDF	V Count Down Frequency Switch	00									
16	CDM	V Count Down Judge Switch	00										
17	AFC	AFC Sensitivity Switch								00	00	00	
18	MVM	Macrovision Mask + AFC Mask	00										
19	SRY	SECAM R-Y Black Adjustment	07										
1A	SBY	SECAM B-Y Black Adjustment	01										
1B	BEL	SECAM BELL/HPF Switching	02										
1C	BLF	BELL f0 Adjustment	00										
1D	SVI	SECAM V-ID Switch	00										
1E	SGP	SECAM Gate Position Adjustment	00										
1F	SID	SECAM Sensitivity Switch	01										
20	SIH	SECAM Inhibition Switch	00										
21	STP	Y Black Level Setup for PAL plus	00										
22	ASW	SUB AUTO SWITCH	01										

Category	Item		Function	Standard Data					
	No.	Name		Common	fh15k	otherfh	DVD	HD	RGB
SYN	00	MAT	Matrix Conversion				00	01	03
	01	VFR	Dummy Sync Freq	01					
	02	SL1	Input Signal Type for IN1	00					
	03	SL2	Input Signal Type for IN2	01					
	04	FSY	Sync Identification Mode				03	03	01
	05	VTC	V sync Separation Time Constant		03	00			
	06	HWD	Output Pulse Width				00	01	
	07	HSL	Sync Separation Mode	01					
	08	HTC	H-Sync Separation Time Constant				01	00	
	09	HSW	YG Out signal Output	00					
	0A	HMA	Hsync within V sync	00					
	0B	MAC	Macrovision	01					
	0C	DUM	Out dummy sync or signal sync	00					
	0D	CLK	Clock Select	00					
0E	GSL	Gain Select	00						
0F	CBG	CB Gain	07						
10	CRG	CR Gain	07						
11	YG	Y Gain	07						
12	HFR	Dummy Frequency Select	01						

Table	Input Signal
fh15k	525i, 625i
otherfh	525p, 625p, 1080i/50 Hz, 1080i/60 Hz, 720p/50 Hz, 720p/60 Hz
DVD	525i, 525p, 625i, 625p
HD	1080i/50 Hz, 1080i/60 Hz, 720p/50 Hz, 720p/60 Hz
RGB	Don't care DVD or HD

Category	Item		Function	Standard Data				Device Name (Slave Address)
	No.	Name		Common	Dynamic	Drama	Soft	
AP	00	BBS	Bass Boost Setting	00				BD3886FS
	01	BCB	Boost/Cut Sub-Bass	01				
	02	SBS	Sub-Bass Setting	03				
	03	BCT	Boost/Cut Sub-Treble	01				
	04	STS	Sub-Treble Setting	01				
	05	AGL	AGC Level Setting	00				
	06	BSW	Bass Boost Switch	00				
	07	BAS	Bass sound mode Control (Model : 43") (Model : 53")		19	14	01	
					17	14	04	
	08	TRE	Treble sound mode Control (Model : 43") (Model : 53")		12	00	04	
				01	11	03		
09	BBE	BBE Sound mode Control (Model : 43") (Model : 53")		24	23	00		
				2C	17	00		
MSP	00	WST	W/G Stereo Threshold	15				MSP3415D(84H)
	01	WBT	W/G Bilingual Threshold	EC				
	02	WLL	W/G Monaural Threshold	05				
	03	WAC	W/G Agreement Count	01				
	04	WDL	W/G Search Delay	30				
	05	NDL	NICAM Search Delay	20				
	06	SDL	Stereo status Read Delay	10				
	07	AGC	AGC Switch Auto/Constant	01				
	08	REL	AGC Gain at Constant Mode	28				
	09	CRM	Carrier muting on/off	00				
	0A	ACO	Audio Clock out on/off	01				
	0B	FP	FM Prescale for non-M system	1B				
	0C	FPM	FM Prescale for M system	32				
	0D	FH	FM Prescale for HDEV	36				
	0E	FHM	FM Prescale for HDEV and M	65				
	0F	WGP	W/G Prescale	1C				
	10	NIP	NICAM Prescale	7F				
	11	ERR	Auto FM switch Threshold	50				
12	VOL	Loud Speaker gain 0700h to 07FFh	30					

Category	Item		Function	Standard Data							
	No.	Name		Common	Twin	TV	Video	Dynamic	Standard	Hi-Fine	Personal
LTI	00	LDH	Histogram segment Selection	01							
	01	CFS	Contour Filter Selection	01							
	02	WLB	Letterbox Window Switch	00							
	03	VDC	Video Dependent Coring					01	01	01	01
	04	DEM	Demonstration Mode	00							
	05	CDP	Luminance Delay	04							
	06	OSP	Overrule Smart Peaking	00							
	07	WPO	White Point Stretch Off	00							
	08	DSK	Skin Tone Switch					00	00	00	00
	09	ASK	Skin Tone Angle Selection	00							
	0A	WSK	Skin Tone Width Selection	00							
	0B	SSK	Skin Tone Size selection	00							
	0C	DGR	Green Enhancement switch		00			01	01	00	01
	0D	DGT	Threshold of Green Enhancement switch	07							
	0E	GGR	Green Enhancement Gain	00							
	0F	WGR	Green Enhancement Width	00							
	10	SGR	Green Enhancement Size	00							
	11	DBL	Blue Stretch Switch	00							
	12	GBL	Blue Stretch Gain Selection	00							
	13	SBL	Blue Stretch Size selection	00							
	14	CDS	Color Dependent Sharpness					01	01	01	01
	15	CST	Threshold of Color Dependent Sharpness	07							
	16	CTI	Color Transient Improvement					00	00	00	00
	17	BON	Black offset Compensation					00	00	00	00
	18	BTD	Adaptive Black Stretch					00	00	00	00
	19	NLD	Non-Linearity Amplifier		00			1D	13	05	13
1A	NLW	Step Width of Non-Linearity Amplifier	04								
1B	VGD	Variable Gamma		1F			22	15	1A	15	
1C	VGW	Step Width of Variable Gamma	00								
1D	PKD	Peaking Amplitude					32	32	1D	32	
1E	PKW	Step Width of Peaking Amplitude	08								
1F	SPD	Steepness Correction					00	00	00	00	
20	CRD	Coring Level					1B	1B	0F	1B	
21	CRW	Step Width of Coring Level	09								
22	CRO	Coring Level Offset for Video Mode	09								
23	LWD	Line Width Correction	1F								
24	SNM	S/N Mode under unreliable S/N condition	01								
25	SNC	S/N Ratio Average Counter			03	03					
26	FMC	Feature Mode Matching Counter	02								

Category	Functionality		Function	Standard Data
	No.	Name		
MD1	00	HAP	H active Display area phase	*1
	01	VAP	V active Display area phase	*1
	02	HAS	h active display area size	*1
	03	VAS	v active display area size	*1
	04	HPW	display h pulse width	*1
	05	VPW	display v pulse width	*1
	06	YCD	display output yc signal delay correct	*2
	07	YSD	display output ys signal delay correct	*3
	08	MHP	main display picture h position	*4
	09	MVP	main display picture v position	*5
	0A	MHS	main display picture h size	*4
	0B	MVS	main display picture v size	*5
	0C	MPH	multi picture mode h position	*6
	0D	MPV	multi picture mode v position	*6
	0E	SHP	sub display picture h position	A7
	0F	SVP	sub display picture v position	05
	10	SHS	sub display picture h size	73
	11	SVS	sub display picture v size	4F
	12	PHP	PinP Large mode h position	00
13	PVP	PinP Large mode v position	00	
14	PHZ	PinP Large mode h size	00	
15	PVZ	PinP Large mode v size	00	
16	DPS	display pll switch	*7	
17	MDS	model select	*8	
18	BCL	background Color y	*9	
19	YST	Display output ys signal type select	1	
MD2	00	HAP	DRC H-Active Area Position	*1
	01	HAS	DRC H-Active Area Size	*1
	02	VAP	DRC V-Active Area Position	*1
	03	VAS	DRC V-Active Area Size	*1

MD1: Standard Data *1

Item		Standard Data			
No.	Name	Other	1152i/576p / 1080i/50Hz	480i/120Hz	576i/100Hz
00	HAP	69	69	69	69
01	VAP	14	3F	F	22
02	HAS	F0	F0	F0	F0
03	VAS	87	90	87	90
04	HPW	36	36	36	36
05	VPW	05	05	03	03

MD1: Standard Data *2

Item		Standard Data			
No.	Name	480i/576i	Others	Twin	Scroll / Index
06	YCD	0	0	0	0

MD1: Standard Data *3

Item		Standard Data			
No.	Name	Table 0 (1920dots)	Table 1 (1920dots)	Table 2 (1920dots)	Table 3 (1920dots)
07	DYSD	3	3	3	3

MD1: Standard Data *4

Item		Standard Data		
No.	Name	4:3Model	16:9Model	
		All	Normal	Others
08	MHP	00	98	00
0A	MHS	F0	A2	F0

MD1: Standard Data *5

Item		Standard Data										
No.	Name	Single							Single(V Comp)			
		60Hz		120Hz	50Hz			100Hz	60Hz	120Hz	50Hz	100Hz
		960i/480p	1080i/540p	480i	1152i/576p	1080i (4:3 Model)	1080i (16:9Model)	576i	960i/480p	480i	1152i/576p	576i
09	MVP	1E	0	0F	0	27	0E	0	23	12	6	3
0B	MVS	78	87	3C	90	7B	87	48	6E	37	84	42

MD1: Standard Data *8

Item		Standard Data	
No.	Name	4:3 Model	16:9 Model
17	MDS	8	9

MD1: Standard Data *6

Item		Standard Data					
No.	Name	60Hz	50Hz	60Hz		50Hz	
		TWIN	Twin	Index (4:3 Model)	Scroll (16:9Model)	Index (4:3 Model)	Scroll (16:9Model)
0C	MPH	1C	1C	3C	1F	3D	20
0D	MPV	C	6	3E	1E	22	24

MD1: Standard Data *9

Item		Standard Data								
No.	Name	TV / 4:3Model			PJ / 4:3Model			PJ / 16:9Model		
		Single	MS	Others	Single	MS	Others	Single	MS	Others
18	BCL	0	0	0	0	0	5	5	0	5

MD1: Standard Data *7

Item		Standard Data	
No.	Name	1080i	other
16	DPS	0	0

MD2: Standard Data *1

Item		Standard Data											
No.	Name	Normal (16:9Model)				V comp (4:3Model)				other			
		60Hz		50Hz		60Hz		50Hz		60Hz		50Hz	
		RF,CV,S-Video	YPbPr	RF,CV,S-Video	YPbPr	RF,CV,S-Video	YPbPr	RF,CV,S-Video	YPbPr	RF,CV,S-Video	YPbPr	RF,CV,S-Video	YPbPr
00	HAP	A1	A0	B2	B1	84	83	95	94	84	83	95	94
01	HAS	A2	A2	9F	9F	B2	B2	AF	AF	B2	B2	AF	AF
02	VAP	24	24	30	30	29	29	35	35	24	24	30	30
03	VAS	78	78	90	90	6E	6E	84	84	78	78	90	90

Item		Standard Data							
No.	Name	Twin - Left				Scroll / Index -Main			
		60Hz		50Hz		60Hz		50Hz	
		RF,CV,S-Video	YPbPr	RF,CV,S-Video	YPbPr	RF,CV,S-Video	YPbPr	RF,CV,S-Video	YPbPr
00	HAP	95	95	A1	A0	A1	A0	B1	B0
01	HAS	A5	A5	A3	A3	A2	A2	A0	A0
02	VAP	38	38	3F	3F	36	36	3F	3F
03	VAS	6E	6E	86	86	6F	6F	86	86

Category	Functionality		Function	Standard Data
	No.	Name		
MD3	00	HAP	VDO H-Active Area Position	*1
	01	HAS	VDO-H active Area pixel size	*1
	02	VEP	VDO-V active even position	*1
	03	VLS	VDO-V active area line size	*1
	04	VOP	VDO-V active odd position	*2
	05	CLM	VDO-Clamp pulse output timing	*2
	06	CPW	VDO-Clamp pulse width	*2
	07	YCD	VDO-Analog input yc delay correct	*2
	08	PSP	VDO-external pll pd stop line count	08
	09	PST	VDO-external pll pd start line count	8B
	0A	HSC	VDO-H sync cycle	00
0B	REV	VDO-Field reverse	82	
MD4	00	HAP	DTV H active area position	70
	01	HAS	DTV H active area size	F0
	02	VLP	DTV V active area line position	13
	03	VLS	DTV V active area line size	87
	04	CPT	DTV Clamp pulse output timing	50
	05	CPW	DTV Clamp pulse width	04
	06	YCD	DTV analog input yc correct	00
	07	PSP	DTV external pll pd stop line count	00
	08	PST	DTV external pll pd start line count	00

MD3: Standard Data *1

Item		Standard Data															
No.	Name	Normal (16:9Model)		V comp (4:3Model)		Other								Scroll / Index -Sub		Twin - Right	
		480p / 60Hz	576p / 50Hz	480p / 60Hz	576p / 50Hz	60Hz			50Hz					60Hz	50Hz	60Hz	50Hz
						480p	1080i	720p	576p	1080i (4:3 Model)	1080i (16:9Model)	720p (4:3 Model)	720p (16:9Model)				
00	HAP	BE	CB	9C	AA	9C	6E	8B	AA	6E	6E	8B	8B	96	A7	9C	AA
01	HAS	DD	DD	F0	F0	F0	F0	1	F0	F0	F0	A1	A1	A5	A2	A7	A5
02	VEP	25	2F	2A	34	25	15	1B	2A	15	15	35	27	1B	1E	1A	1E
03	VLS	78	90	6E	84	78	87	B4	7B	87	87	A4	B4	37	43	37	43

MD3: Standard Data *2

Item		Standard Data								
No.	Name	60Hz				50Hz				
		480i (RF,CV,S-Video)	480p	1080i	720p	576i (RF,CV,S-Video)	576p	1080i	720p	
04	VOP	1	0	0	0	0	0	0	0	
05	CLM	42	7A	48	42	4C	7B	48	58	
06	CPW	2	3	3	3	2	3	3	3	
07	YCD	0	0	0	0	0	0	0	0	

MD3: Standard Data *3

Item		Standard Data								
No.	Name	60Hz				50Hz				
		480i (RF,CV,S-Video)	480p	1080i	720p	576i (RF,CV,S-Video)	576p	1080i	720p	
08	PSP	3E	81	8B	BA	4D	9B	8B	BA	
09	PST	0	0	0	0	0	0	0	0	

Category	Functionality		Function	Standard Data
	No.	Name		
MD5	00	POP	Service Data Effect	*1
	01	MHY	Main H LPF Y Coefficient Code	*1
	02	MHC	Main H LPF C Coefficient Code	*1
	03	MVY	Main V LPF Y Coefficient Code	*1
	04	MVC	Main V LPF C Coefficient Code	*1
	05	MHR	Main h enhance y coring code	*1
	06	MHL	Main h enhance y clipping code	*1
	07	MHE	Main h enhance y level code	*1
	08	MHO	Main h enhance y coefficient code	*1
	09	MCR	Main h enhance c coring code	*1
	0A	MCL	Main h enhance c clipping code	*1
	0B	MCE	Main h enhance c level code	*1
	0C	MC0	Main h enhance c coefficient code	*1
	0D	MYR	Main V enhance y coring code	*1
	0E	MYL	Main v enhance y clipping code	*1
	0F	MYE	Main v enhance y level code	*1
	10	MVR	Main V enhance c coring code	*1
	11	MVL	Main V enhance c clipping code	*1
	12	MVE	Main V enhance c level code	*1
	13	SHY	sub h LPF y coefficient Code	00
	14	SHC	sub h LPF c coefficient Code	00
	15	SVY	sub v LPF y coefficient Code	00
	16	SVC	sub v LPF c coefficient Code	00
	17	SHR	sub h enhance y coring code	00
	18	SHL	sub h enhance y clipping code	00
	19	SHE	sub h enhance y level code	00
	1A	SHO	sub h enhance y coefficient code	00
	1B	SCR	sub h enhance c coring code	00
	1C	SCL	sub h enhance c clipping code	00
	1D	SCE	sub h enhance c level code	00
	1E	SC0	sub h enhance c coefficient code	00
	1F	SYR	Sub V enhance y coring code	00
20	SYL	sub v enhance y clipping code	00	
21	SYE	sub v enhance y level code	00	
22	SVR	Sub V enhance c coring code	00	
23	SVL	Sub V enhance c clipping code	00	
24	SVE	Sub V enhance c level code	00	

MD5: Standard Data *1

Item		Standard Data															
No.	Name	POP=00	POP=01	POP=02	POP=03	POP=04	POP=05	POP=06	POP=07	POP=08	POP=09	POP=0A	POP=0B	POP=0C	POP=0D	POP=0E	POP=0F
		576i RF/Composite				480i RF/Composite				576i RF/Composite Normal Mode (Wide model only)				480i Component Normal mode (Wide model only)			
		Dynamic	Standard	Hi-Fine	Personal	Dynamic	Standard	Hi-Fine	Personal	Dynamic	Standard	Hi-Fine	Personal	Dynamic	Standard	Hi-Fine	Personal
01	MHY	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
02	MHC	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
03	MVY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
04	MVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
05	MHR	2	1	0	1	2	1	0	1	2	1	1	1	2	1	1	
06	MHL	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	
07	MHE	5	3	0	3	5	3	0	3	5	3	5	5	3	5	5	
08	MHO	53°:1 / 43°:0	0	0	0	53°:1 / 43°:0	0	0	0	0	0	1	0	0	0	1	0
09	MCR	2	2	0	2	2	2	0	2	2	2	2	2	2	2	2	
0A	MCL	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	
0B	MCE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0C	MCO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0D	MYR	2	1	0	1	2	1	0	1	2	1	1	1	2	1	0	0
0E	MYL	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	
0F	MYE	53°:3 / 43°:1	1	0	1	53°:3 / 43°:1	1	0	1	1	1	3	2	1	1	3	2
10	MVR	2	2	0	2	2	2	0	2	2	2	2	2	2	2	2	
11	MVL	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	
12	MVE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

MD5: Standard Data *2

Item		Standard Data															
No.	Name	POP=10	POP=11	POP=12	POP=13	POP=14	POP=15	POP=16	POP=17	POP=18	POP=19	POP=1A	POP=1B	POP=1C	POP=1D	POP=1E	POP=1F
		576i Component				480i Component				576i Composite Normal Mode (Wide model only)				480i RF/Composite Normal Mode (Wide model only)			
		Dynamic	Standard	Hi-Fine	Personal	Dynamic	Standard	Hi-Fine	Personal	Dynamic	Standard	Hi-Fine	Personal	Dynamic	Standard	Hi-Fine	Personal
01	MHY	1	1	2	1	1	1	2	1	1	1	1	1	1	1	1	1
02	MHC	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
03	MVY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04	MVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05	MHR	2	1	0	1	2	1	0	1	2	1	1	1	2	1	1	1
06	MHL	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1
07	MHE	5	3	0	3	5	3	0	3	5	3	7	5	5	3	7	5
08	MHO	53°:1 / 43°:0	0	1	0	53°:1 / 43°:0	0	1	0	0	0	1	1	0	0	1	1
09	MCR	2	2	0	2	2	2	0	2	2	2	2	2	2	2	2	2
0A	MCL	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1
0B	MCE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0C	MCO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0D	MYR	2	1	0	1	2	1	0	1	2	1	1	1	2	1	1	1
0E	MYL	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1
0F	MYE	53°:5 / 43°:3	1	0	1	53°:5 / 43°:3	1	0	1	1	1	3	2	1	1	3	2
10	MVR	2	2	0	2	2	2	0	2	2	2	2	2	2	2	2	2
11	MVL	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1
12	MVE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

MD5: Standard Data *3

Item		Standard Data															
No.	Name	POP=20	POP=21	POP=22	POP=23	POP=24	POP=25	POP=26	POP=27	POP=28	POP=29	POP=2A	POP=2B	POP=2C	POP=2D	POP=2E	POP=2F
576i 100 Hz (for All Input)				480i 120 Hz (for All Input)				576p				480p					
		Dynamic	Standard	Hi-Fine	Personal	Dynamic	Standard	Hi-Fine	Personal	Dynamic	Standard	Hi-Fine	Personal	Dynamic	Standard	Hi-Fine	Personal
01	MHY	1	1	2	1	1	1	2	1	1	1	1	1	1	1	1	1
02	MHC	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
03	MVY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04	MVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05	MHR	2	1	0	1	2	1	0	1	3	2	0	2	3	2	0	2
06	MHL	1	1	0	1	1	1	0	1	1	2	0	2	1	2	0	2
07	MHE	5	3	0	3	5	3	0	3	4	4	0	4	4	4	0	4
08	MHO	1/0	0	0	0	1/0	0	0	0	1	1	1	1	1	1	1	1
09	MCR	2	2	0	2	2	2	0	2	2	0	0	0	2	0	0	0
0A	MCL	1	1	0	1	1	1	0	1	0	0	0	0	0	0	0	0
0B	MCE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0C	MCO	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1
0D	MYR	2	1	0	1	2	1	0	1	2	2	0	2	2	2	0	2
0E	MYL	1	1	0	1	1	1	0	1	1	1	0	1	1	1	0	1
0F	MYE	3/1	1	0	1	3/1	1	0	1	3	3	0	3	3	3	0	3
10	MVR	2	2	0	2	2	2	0	2	0	0	0	0	0	0	0	0
11	MVL	1	1	0	1	1	1	0	1	0	0	0	0	0	0	0	0
12	MVE	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	1

MD5: Standard Data *4

Item		Standard Data															
No.	Name	POP=30	POP=31	POP=32	POP=33	POP=34	POP=35	POP=36	POP=37	POP=38	POP=39	POP=3A	POP=3B	POP=3C	POP=3D	POP=3E	POP=3F
1080i 50/60Hz				720p 50/60Hz				P&P / Index / Scroll				Memory Stick					
		Dynamic	Standard	Hi-Fine	Personal	Dynamic	Standard	Hi-Fine	Personal	Dynamic	Standard	Hi-Fine	Personal	Dynamic	Standard	Hi-Fine	Personal
01	MHY	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2
02	MHC	2	2	2	2	2	2	2	2	0	0	0	0	3	3	3	3
03	MVY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04	MVC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05	MHR	2	2	0	2	2	2	0	2	0	0	0	0	1	1	1	1
06	MHL	1	1	0	1	1	1	0	1	0	0	0	0	1	1	1	1
07	MHE	5/2	1	0	1	2	1	0	1	0	0	0	0	4	2	5	3
08	MHO	0	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1
09	MCR	3	2	0	2	3	2	0	2	0	0	0	0	2	2	2	2
0A	MCL	2	2	0	2	2	2	0	2	0	0	0	0	1	1	1	1
0B	MCE	2	2	0	2	2	2	0	2	0	0	0	0	0	0	0	0
0C	MCO	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
0D	MYR	2	2	0	2	2	2	0	2	0	0	0	0	2	1	1	1
0E	MYL	1	1	0	1	1	1	0	1	0	0	0	0	1	1	1	1
0F	MYE	7	3	1	3	3	3	1	3	0	0	0	0	1	1	3	2
10	MVR	3	2	0	2	3	2	0	3	0	0	0	0	2	2	2	2
11	MVL	1	1	0	1	1	1	0	1	0	0	0	0	1	1	1	1
12	MVE	3	2	0	2	3	2	0	3	0	0	0	0	0	0	0	0

Category	Functionality		Function	Standard Data
	No.	Name		
MD6	00	MCT	Main Cut Out on	0
	01	MWH	Main Write H size	
	02	MWV	Main Write V size	
	03	MHP	Main Read H position	
	04	MVP	Main Read V Position	
	05	MHS	Main Read H Size	
	06	MVS	Main Read V Size	
MD7	00	MCN	Main Contrast	*1
	01	SCR	Sub Contrast R	*1
	02	SCG	Sub Contrast G	*1
	03	SCB	Sub Contrast B	*1
	04	RGB	RGB OUT Select	*1

MD6: Standard Data *1

Item		Standard Data	
No.	Name	VDO 480i/576i	other
00	MCON	31	27
01	SCOR	128	128
02	SCOG	128	147
03	SCOB	128	147
04	RGB	0	0

Category	Item		Function	Standard Data												
				Common	50	60	NTSC				OTHER COLOR SYSTEM					
	No.	Name					NR0	NR1	NR2	NR3	NR0	NR1	NR2	NR3		
3NR	00	WHC	PLL Divider setting(PAL=47, NTSC=44)		2F	2C										
	01	NIQ	U/V input polarity	01												
	02	CLW	A/D Clamp Pulse width		1E	1E										
	03	CLP	A/D Clamp Pulse Phase		10	10										
	04	YBW	Y H Blanking width		8A	8A										
	05	YBL	Y Blanking level adjustment	00												
	06	YBO	Internal Y H Blanking ON/OFF	00												
	07	MUT	Signal Output Muting	00												
	08	YBS	Y H Blanking start point		28	28										
	09	CBW	U/V H Blanking width		8A	8A										
	0A	CBS	U/V H Blanking start point		28	28										
	0B	CBO	Internal U/V H Blanking ON/OFF	00												
	0C	VBL	V H Blanking level adjustment	00												
	0D	UBL	U H Blanking level adjustment	00												
	0E	CDL	U/V output delay		00	00										
	0F	YDL	Y output delay		00	00										
	10	PVI	VD input polarity	00												
	11	PHI	HD input polarity	00												
	12	HDW	HD pulse width	10												
	13	PVO	VD output polarity	00												
	14	PHO	HD output polarity	00												
	15	HST	HD out pulse start position	36												
	16	VDL	VD out Pulse start position	00												
	17	VDW	VD out Pulse width	03												
	18	NDE	Noise detection point	00												
	19	NVP	Noise detect line	02												
	1A	NDS	Noise detect sencitivity	03												
	1B	HOF	H Reference pulse ON/OFF (ON=0)	01												
	1C	NDW	Noise detect gate width	09												
	1D	UOS	U Offset level	00												
	1E	POT	Output Port 0/1 Control		00	01										
	1F	UVF	UV Frag polarity	00												

Category	Item		Function	Standard Data										
	No.	Name		Common	50	60	NTSC				OTHER COLOR SYSTEM			
							NR0	NR1	NR2	NR3	NR0	NR1	NR2	NR3
3NR	20	APC	AP Clock polarity	01										
	21	DAP	DAC power save (ON=1)	00										
	22	YLV	Y NR level				00	08	0C	0E	04	08	0C	0E
	23	YST	Y Standard detection off/on	00										
	24	YNT	Y NTSC Standard detection	01										
	25	YPL	Y PAL Standard detection	01										
	26	YMV	Y Moving detection filter (ON=0)	00										
	27	YCR	Y Moving detection Coring level				00	00	07	0A	00	00	07	0A
	28	VOS	V Offset level	00										
	29	YMG	Y Moving detection gain				00	00	00	00	00	00	00	00
	2A	YEG	Y Moving detect on (ON=1)	01										
	2B	YEL	Y edge moving detection sensitivity				03	04	03	03	03	04	03	03
	2C	YLM	Y NR Feed back limit level				00	03	04	08	02	03	04	08
	2D	CLV	C NR level				00	08	09	0B	04	08	09	0B
	2E	CNT	Relate C NR to YSTDN	01										
	2F	CPL	Relate C NR to YSTDP	01										
	30	CMG	C Moving detection gain				00	00	00	00	00	00	00	00
	31	CCR	C Moving detection level				00	00	06	0C	00	00	06	0C
	32	CLM	C NR Feed back limit level				00	04	05	05	00	04	05	05
	33	NVS	NR Vertical start line		14	14								
	34	NHS	NR Horizontal start position		10	10								
	35	NVE	NR Vertical end line (offset:+100d)		D2	A0								
	36	NHE	NR Horizontal end position		78	78								
	37	YNG	Y Coring gain		01	01								
	38	COR	Coring/through (Coring=0)		00	00								
	39	LPF	LPF on/off (on=0)	00										
	3A	YLT	Y Coring limit level		00	00								
	3B	YNC	Y Coring offset level				00	08	0C	0E	04	08	0C	0E
	3C	YCO	Y Coring off (on=1)		01	01								

Category	Item		Function	Standard Data																										
	No.	Name		Common	TV	Video	NR Mode				Picture Mode																			
							NRmode0	NRmode1	NRmode2	NRmode3	Dynamic	Standard	Hi-Fine	Personal																
3CM	00	NRM	Noise Reduction Operation Mode	00																										
	01	YCO	Y/C Signal Output Selection	0D																										
	02	SYC	System Clock Selection	01																										
	03	STD	Standard/Non-standard Operation Selection	00																										
	04	MSS	Inter-frame/Inter-line Operation Selection	00																										
	05	KIL	Killer/Non-killer Operation Selection	00																										
	06	ECS	External C-sync Input Selection	01																										
	07	CPP	ADC Input Level & Clump Pulse Width Selection	00																										
	08	HDP	Horizontal Phase Adjustment	05																										
	09	CDL	C-signal delay Adjustment	04																										
	0A	DYC	DY Detection Coring Level Adjustment					02	02	02	04																			
	0B	DYG	DY Detection Gain Adjustment					0A	0A	0A	0A																			
	0C	DCC	DC Detection Coring Level Adjustment					05	03	03	05																			
	0D	DCG	DC Detection Gain Adjustment					05	0A	0A	05																			
	0E	YNR	YNR Non-linear Filter Setup	01																										
	0F	CNR	CNR Non-linear Filter Setup	01																										
	10	WSC	Noise Detectin Coring Adjustment	01																										
	11	VTH	Hysteresis Selection for H-sync Non-standard		01	01																								
	12	VTR	Sensitivity Selection for H-sync Non-standard		01	01																								
	13	LDR	Sensitivity Selection for Frame-sync Non-standard		02	01																								
	14	VAP	Gain Adjustment for Vertical Shape Correction									00	00	00	00															
	15	VAI	Vanishing Adjustment for Vertical Shape Correction									00	00	00	00															
	16	YPF	Center Frequency Selection for Y-peaking BPF									03	03	03	03															
	17	YPG	Gain Adjustment for Y-peaking BPF									0A	08	08	08															
	18	VSE	Line Comb Filter Setup	02																										
	19	CCN	C-signal Split Filter Switch	00																										
	1A	COS	C-signal Delay Switch at Noise Reduction	00																										
	1B	SDC	DC Detection Sensitivity Switch	00																										
	1C	SDY	DY Detection Lower-level Sensitivity Switch	01																										
1D	YHC	Y-signal Higher-level Coring Selection									00	00	00	00																
1E	YHG	Y-signal Higher-level Gain Switch									00	00	00	00																
1F	SHT	Non-standard Detection & H/V Counter Test Bits	00																											
20	CLK	Clock Test Bits	08																											
21	PLL	PLL Filter Setup	0D																											
22	KRF	Killer Detection Reference Adjustment	03																											
23	HSL	H-sync Slice Level Adjustment	0C																											
24	VSL	V-sync Slice Level Adjustment	08																											
25	BPS	Internal Burst Gate Start Position Adjustment	04																											
26	BPW	Internal Burst Gate Width Adjustment	0A																											
27	ADC	ADC Clock Delay Selection	03																											
28	APD	ADC Power-down Switch	01																											
29	SPD	Memory Power-down Switch	00																											

Category	Item		Function	Standard Data								Device Name (Slave Address)	
	No.	Name		Common	50 Hz				60 Hz				
					DRC100	DRC1250	Progressive	HD1080i	DRC100	DRC1250	Progressive	HD1080i	
2CM	00	FUN	Function	03									TC90A69 (B2H)
	01	YCM	Y/C separator	00									
	02	CNR	CNR K	00									
	03	LIM	CNR limit	00									
	04	CPF	C-LPF	00									
	05	SLP	SeIC-LPF	00									
	06	YFO	Y-P fo	00									
	07	YPG	Y-EQ Gain	00									
	08	YPL	Y-EQ/ N.C Limit	00									
	09	CLP	Pds.Clip	00									
	0A	YPF	Y-LPF	00									
	0B	VEG	V-Emph gain	03									
	0C	VEN	V-Emph N.L	03									
0D	VEC	V-Emph Core	01										
TXT	00	TXH	Teletext Horizontal Display Position	29									SAA5264(58H)
	01	TXV	Teletext Vertical Display Position	27									
	02	THD	Teletext H-sync Active Edge Shift	00									
	03	TVD	Teletext V-sync Active Edge Shift	00									
	04	HPL	Teletext H-sync Polarity Configuration	01									
	05	VPL	Teletext V-sync Polarity Configuration	00									
	06	FPL	Teletext V-sync Polarity Configuration	01									
	07	FMD	Teletext Fastext/TOP Force Mode	02									
	08	TBR	Teletext RGB Brightness	03									
	09	NOP	Teletext National Option Table Configuration	01(M31/M61) 02(M91)									
0A	TCH	Teletext Twisted Character Set Configuration	01(M31/M61) 02(M91)										
OSD	00	OSH	OSD H Position	0D									CXP961F064(60H)
	01	OSV	OSD V Position		25	3F	3F	3D	1B	30	30	30	
	02	FW1	OSD ODD/EVEN Field Window Setup #1	07									
	03	FW2	OSD ODD/EVEN Field Window Setup #2	14									
	04	OHO	OSD H Position Offset for INDEX	04									

Category : PJE

ITEM No.	ITEM Name	Contents	min	max	625(100Hz)				625(50Hz)				1125(50Hz)		1125(60Hz)		525(120Hz)				525(60Hz)							
					Full	Zoom	Vcomp	Widezoom	Full	Zoom	Vcomp	Widezoom	Full	Vcomp	Full	Vcomp	Full	Zoom	Vcomp	Widezoom	Full	Zoom	Vcomp	Widezoom	Full	Zoom	Vcomp	Widezoom
0	FDIS	Switch of display for fine adjustment data	0	1	1																							
1	AREA	Area setting	0	2	0																							
2	COPY	Service copy adjustment	0	1	0																							
3	ALCP	Service all copy adjustment	0	1	0																							
4	OSDH	Osd horizontal position of PJED service menu	1	255	11																							
5	OSDV	Osd vertical position of PJED service menu	1	255	28	56	34	45	1	1	1	1	1	1	15	28	17	42	21	28	57	106	65	78				
6	FVSL	Start position of fine adjustment	0	15	15	14	1	15	15	14	1	15	15	1	0	1	15	14	1	15	0	14	1	15				
7	FVSP	Start line of fine adjustment	0	255	31	9	7	1	64	20	16	4	64	16	53	73	29	9	11	11	3	21	25	25				
8	V1DL	Value of V1 delay	0	255	8	88	8	58	17	175	17	116	17	17	1	1	1	72	1	32	1	140	1	61				
9	V1CU	Value of V1 count up	0	4095	763	998	577	895	387	506	292	454	387	292	387	292	895	1179	665	998	454	598	337	506				
10	V1OH	Value of V1 offset upper data	0	255	7	7	130	7	5	5	128	5	5	128	79	184	7	7	135	7	5	5	134	5				
11	COHP	Horizontal phase for rough adjustment	0	4095	0																							
12	FIHP	Horizontal phase for fine adjustment	0	4095	1111																							
13	TPHP	Horizontal phase for test pattern	0	4095	72																							
14	TPVP	Vertical phase for test pattern	0	255	38	70	39	58	72	136	74	112	72	74	15	17	30	58	29	42	55	111	53	79				
15	DFHP	Horizontal phase for dynamic focus(4:3)	0	4095	250																							
16	DFHG	Horizontal parabola wave for dynamic focus(4:3)	-128	127	-70	-65	-70	-65	-70	-65	-70	-65	-70	-65	-70	-65	-70	-65	-70	-65	-70	-65	-70	-65				
17	DFVG	Vertical parabola wave for dynamic focus(4:3)	-128	127	-90	-90	-128	-90	-90	-90	-128	-90	-90	-128	-128	-128	-90	-90	-128	-90	-90	-128	-90					
18	DFDC	Center for dynamic focus	-128	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127				
19	DFV1	V1 saw wave for dynamic focus	-128	127	-60	-50	-60	-50	-20	-50	-20	-50	-50	-40	-40	-40	-90	-50	-90	-50	-40	-50	-40	-50				
20	SDHP	Compensation of horizontal phase for shading	0	4095	500																							
21	SDH1	Horizontal saw wave for shading(4:3)	-128	127	63	127	127	127	63	127	127	127	63	127	63	127	63	127	127	127	63	127	127	127				
22	BDVU	Vertical positioni for border line 1	0	2047	6	4	4	0	11	9	7	0	45	41	45	41	10	8	12	3	20	15	24	6				
23	BDVL	Vertical positioni for border line 2	0	2047	538	412	536	464	1077	823	1073	928	1044	1040	1044	1040	454	344	456	413	908	689	912	826				
24	BDHL	Horizontal position for border line 1	0	2047	152	152	152	145	152	152	152	145	152	152	152	152	152	152	152	145	152	152	152	145				
25	BDHR	Horizontal position for border line 2	0	2047	1254	1254	1254	1261	1254	1254	1254	1261	1254	1254	1254	1254	1254	1254	1254	1261	1254	1254	1254	1261				
26	HBLD	Horizontal phase for output of H.Blank out	0	4095	32																							
27	HBLW	Width for output of H.Blank out	0	4095	143																							
28	PWM2	PWM2 output width setting of Regi IC	0	4095	43": 500/ 53": 345																							
29	ROGH	Green Horizontal Sensor 0 Ratio Offset	-128	127	0																							
30	R0RH	Red Horizontal Sensor 0 Ratio Offset	-128	127	0																							
31	R0BH	Blue Horizontal Sensor 0 Ratio Offset	-128	127	0																							
32	R1GH	Green Horizontal Sensor 1 Ratio Offset	-128	127	0																							
33	R1RH	Red Horizontal Sensor 1 Ratio Offset	-128	127	0																							
34	R1BH	Blue Horizontal Sensor 1 Ratio Offset	-128	127	0																							
35	R1GV	Green Vertical Sensor 1 Ratio Offset	-128	127	0																							
36	R1RV	Red Vertical Sensor 1 Ratio Offset	-128	127	0																							
37	R1BV	Blue Vertical Sensor 1 Ratio Offset	-128	127	0																							
38	R2GH	Green Horizontal Sensor 2 Ratio Offset	-128	127	0																							
39	R2RH	Red Horizontal Sensor 2 Ratio Offset	-128	127	0																							
40	R2BH	Blue Horizontal Sensor 2 Ratio Offset	-128	127	0																							
41	R2GV	Green Vertical Sensor 2 Ratio Offset	-128	127	0																							
42	R2RV	Red Vertical Sensor 2 Ratio Offset	-128	127	0																							
43	R2BV	Blue Vertical Sensor 2 Ratio Offset	-128	127	0																							
44	R3GH	Green Horizontal Sensor 3 Ratio Offset	-128	127	0																							
45	R3RH	Red Horizontal Sensor 3 Ratio Offset	-128	127	0																							

ITEM No.	ITEM Name	Contents	min	max	625(100Hz)				625(50Hz)				1125(50Hz)		1125(60Hz)		525(120Hz)				525(60Hz)				
					Full	Zoom	Vcomp	Widezoom	Full	Zoom	Vcomp	Widezoom	Full	Vcomp	Full	Vcomp	Full	Zoom	Vcomp	Widezoom	Full	Zoom	Vcomp	Widezoom	
46	R3BH	Blue Horizontal Sensor 3 Ratio Offset	-128	127					0																
47	PTRH	Red Horizontal Top Pattern Position Offset	-128	127					0																
48	PTBH	Blue Horizontal Top Pattern Position Offset	-128	127					0																
49	PLRH	Red Horizontal Left Pattern Position Offset	-128	127					0																
50	PLBH	Blue Horizontal Left Pattern Position Offset	-128	127					0																
51	PLRV	Red Vertical Left Pattern Position Offset	-128	127					0																
52	PLBV	Blue Vertical Left Pattern Position Offset	-128	127					0																
53	PRRH	Red Horizontal Right Pattern Position Offset	-128	127					0																
54	PRBH	Blue Horizontal Right Pattern Position Offset	-128	127					0																
55	PRGV	Green Vertical Right Pattern Position Offset	-128	127					0																
56	PRRV	Red Vertical Right Pattern Position Offset	-128	127					0																
57	PRBV	Blue Vertical Right Pattern Position Offset	-128	127					0																
58	PBGH	Green Horizontal Bottom Pattern Position Offset	-128	127					0																
59	PBRH	Red Horizontal Bottom Pattern Position Offset	-128	127					0																
60	PBBH	Blue Horizontal Bottom Pattern Position Offset	-128	127					0																
61	ERR	Auto Regi. Error code	0	-					0																
62	ADTM	A/D data input timing of Auto Regi.	0	255					97																
63	ADT2	A/D Timing 2	0	255					133																
64	SZLM	Size Limit	-128	127					0																
65	RTL	Ratio Limit	0	127					80																
66	VUP	Auto Regi. Pattern Upper vertical position	0	2047					43": 60/ 53": 60																
67	VMID	Auto Regi. Pattern Middle vertical position	0	2047					43": 605/ 53": 605																
68	VLOW	Auto Regi. Pattern Lower vertical position	0	2047					43": 1153/ 53": 1153																
69	HLE	Auto Regi. Pattern left horizontal position	0	4095					43": 55/ 53": 55																
70	HMID	Auto Regi. Pattern middle horizontal position	0	4095					43": 636/ 53": 636																
71	HRIV	Auto Regi. Pattern right horizontal position	0	4095					43": 1217/ 53": 1217																
72	TEST	Auto regi. Pattern display switch	0	1										0											
73	SFTF	Switch of shift fast	0	1										0											
74	SFTE	Switch of shift enable	0	5										4											
75	ACTL	Account timer counter lower byte	0	-										0											
76	ACTH	Account timer counter upper byte	0	-										0											
77	ATTN	Sensor level attenuation sw	0	1										43": 0/ 53": 0											
78	VB1S	Start position of VBLKOUT1	0	1023					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	VB1W	Width of VBLKOUT1	0	1023					8	8	8	8	16	16	16	16	8	8	8	8	16	16	16	16	16
80	VB2S	Start position of VBLKOUT2	0	1023					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	VB2W	Width of VBLKOUT2	0	1023					32	65	40	49	60	127	78	95	77	94	20	37	27	56	35	36	50
82	VB3S	Start position of VBLKOUT3	0	1023					315	282	307	298	628	561	610	593	611	594	554	537	264	235	257	255	524
83	VB3W	Width of VBLKOUT3	0	1023					22	55	31	39	47	114	65	82	64	81	8	26	17	46	25	26	39
84	VB4S	Start position of VBLKOUT4	0	1023					0	0	0	0	78	134	91	113	78	91	7	7	0	0	0	0	0
85	VB4W	Width of VBLKOUT4	0	1023					5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

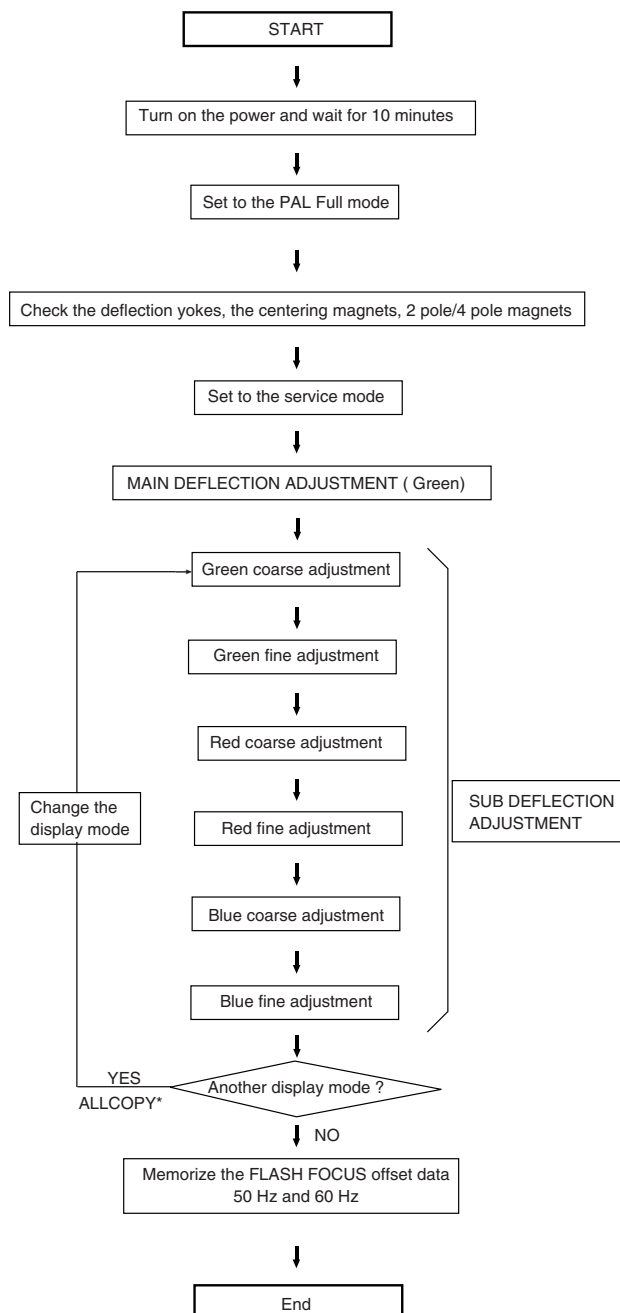
Note: Coarse Adjustment is prepared for each screen mode.				4:3							
				Green		Blue		Red			
ADJUSTMENT				min	max	H	V	H	V	H	V
85	CENT	Coarse Adjustment		-512	511	35	20	35	20	35	20
86	SKEW	Coarse Adjustment		-512	511	0	0	0	0	0	0
87	SIZE	Coarse Adjustment		-512	511	-100	-75	-100	-75	-100	-75
88	LIN	Coarse Adjustment		-512	511	0	0	-410	0	410	0
89	KEY	Coarse Adjustment		-512	511	0	0	0	-120	0	120
90	PIN	Coarse Adjustment		-512	511	0	300	0	300	0	300
91	MLIN	Coarse Adjustment		-512	511	0	0	145	0	-145	0
92	MSIZ	Coarse Adjustment		-512	511	0	0	0	0	0	0

Adjustment Limit		
CENT	H	35±170
	V	20±170
SIZE	H	max : - 75
LIN	H (Blue)	min : - 425
	H (Red)	max : 425

Category	Item		Function	Standard Data								Device Name (Slave Address)	
				Common	50 Hz				60 Hz				
	No.	Name			DRC100	DRC1250	Progressive	HD1080i	DRC100	DRC1250	Progressive	HD1080i	
OPM	00	COM	Comb Operation Selection	00									<i>Option Misc</i>
	01	APC	APC Switch	01									
	02	TSY	TV System Selection under searching with Auto TV System	00									
	03	MUT	No Signal Mute	00									
	04	AFM	Auto FM switch	01									
	05	TVO	V-Angle correction to Picture Rotation	00									
	06	DBL	Disable Blueback function	01									
	07	SSO	Speed CH Search Selection	01									
	08	SCH	CH Selection for Shipping Condition	01									
	09	SCA	Cable/Air Selection for Shipping Condition	01									
	0A	DMG	Disable Menu-operation Guide	00									
	0B	VSN	Enable Noise Reduction in Video Mode	00									
	0C	RUC	RF Signal Change Counter after Unlocked	0F									
	0D	RLC	RF Signal Change Counter after Locked	0F									
	0E	LBB	Lower Blue Back Intensity	00									
0F	23P	2/3 Pull Down Mode 0: Force OFF, 1: Auto	01										
	10		MS Background color to gray										
OPB	00	OP1	Optional Bits 1 (see the specified sheet)	FB									<i>Option-Bits</i>
	01	OP2	Optional Bits 2 (see the specified sheet)	17									
	02	OP3	Optional Bits 3 (see the specified sheet)	05									

3-12. REGISTRATION ADJUSTMENT

3-12-1. ADJUSTMENT FLOW



< Caution >

Before adjustment registration, set PWM2 Data in PJE service mode as following.

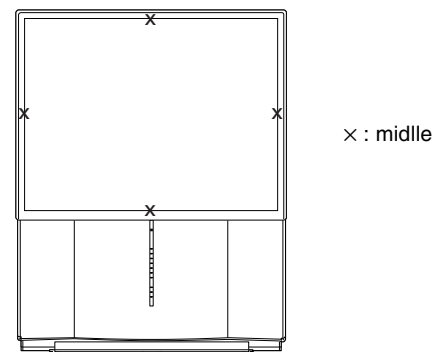
43" model.....890

53" model.....315

3-12-2. Setup for Adjustment

1. Marking

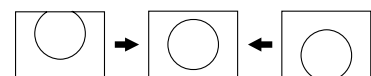
- At the 4 insides of the screen, locate the middle. Use a tape measure to identify the middle.



3-12-3. Method of Main Deflection Adjustment

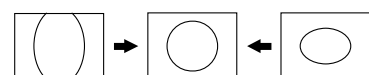
- Place the caps on the red and blue lenses so that only the green color is displayed.
- Enter the PAL SPCB signal, and set the DRC1250.
- Set in the Service mode, and select the category "GE1", "GE2".
- Adjust "00 VPS" in "GE1" so that the picture is displayed in the center of screen.

00 VPS

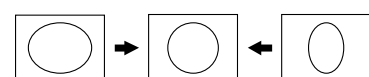


- Adjust "01 VSZ" in "GE1" and "02 HSZ" "GE2" so that the picture size is within the specification.

01 VSZ



02 HSZ

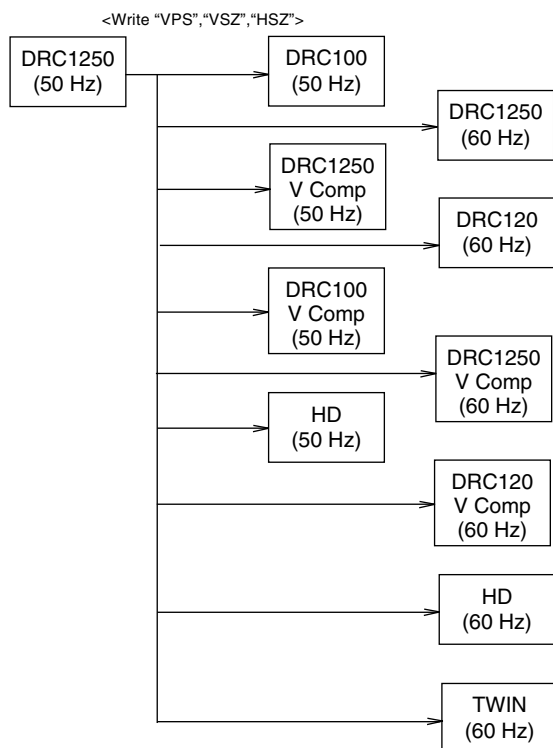


SPECIFICATION :

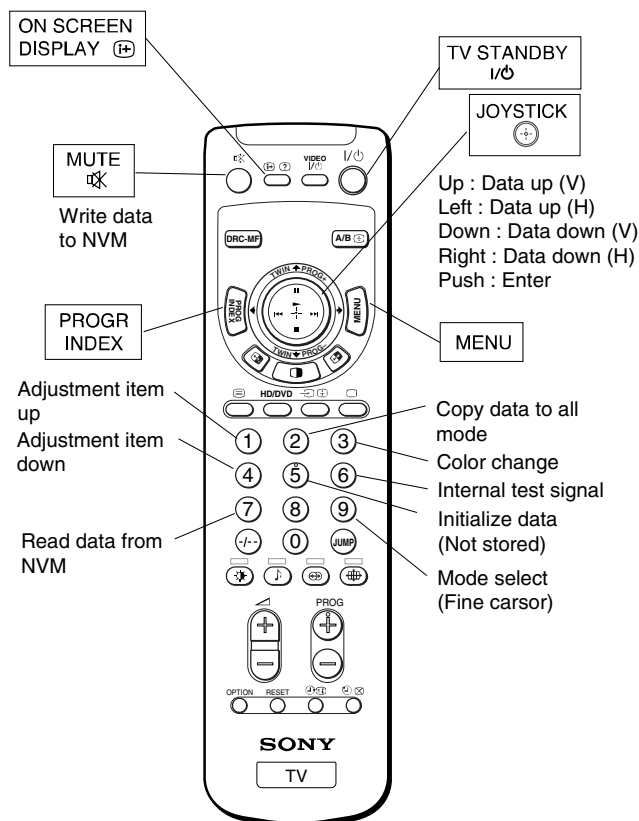
Overscan Spec. = 0.9%

Input Signal	H SIZE	V SIZE
PAL MONOSCOPE	14.7 ± 0.1 sq.	11.2 ± 0.1 sq.

6. Write "VPS, VSZ and HSZ" adjusted data to other mode service data.



3-12-4. Operation Method for Projector Engine (PJE) Mode



RM-998

1. Functions of Keys on Commander

- ① : Changes adjustment item. (item No. moves up)
: Marker moves clockwise from center to outside. (in fine adjustment mode)
- ④ : Changes adjustment item. (item No. moves down)
: Marker moves counterclockwise from outside to center. (in fine adjustment mode)
- Ⓢ : Changes data value. (up, down, or to the left or right) (move) : Marker moves up, down, or to the left or right. (in fine adjustment mode)
- ③ : Changes adjustment color. (except item No. 00~38) GRN → BLU → RED
- ⑥ : Displays or changes internal test signals. : crosshatch + external signal → dot + external signal → crosshatch only → dot only → off
- ⑨ : Switches adjustment mode. : cursor adjustment mode ↔ fine adjustment mode
- Ⓢ (push) : Switches marker moving method. (in fine adjustment mode) joystick key → ① and ④ buttons

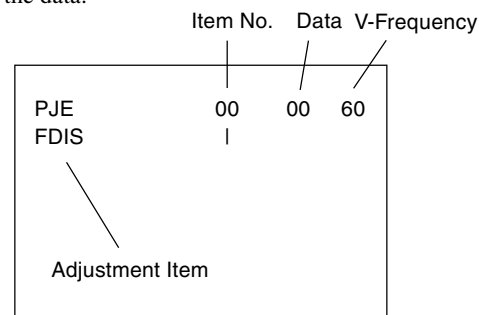
Commander Function (PJE mode)

Button	Mode	Description
Ⓢ + ①	WRITE	Writes data to NVM.
⑦ + ①	READ	Reads data from NVM.
⑤ + ①	*PJE INITIAL	INITIALIZED ALL DATA.
② + ①	*PJE COPY	Copies and writes data of DRC1250 (50Hz) mode to all other modes.

* : only data in the PJE mode.

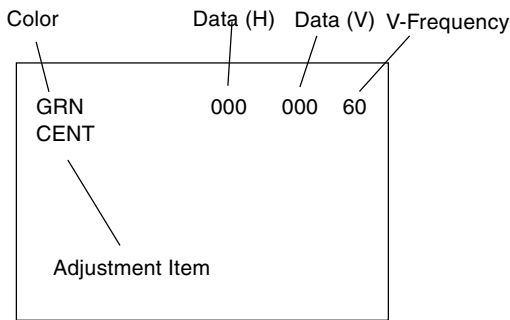
2. Operation Method for Rough Adjustment

- 1) Set in the Service mode, and select the category "PJE".
- 2) Press "①" or "④" button on the commander to select the item, and move "Ⓢ" up, down, or to the left or right to change the data.



- 3) Select item "GRN CENT". When BLU or RED is displayed, press "③" button on the commander to change the adjustment color in the order of GRN → BLU → RED.

- 4) In the GRN, BLU, or RED mode, move “⊕” up or down to change the data in vertical direction, or move “⊖” to the left or right to change the data in horizontal direction.

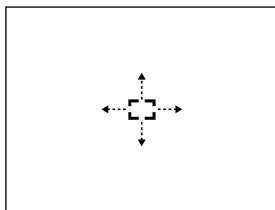


- 5) When it moves from PJE to other categories, repeat “①” or “④” button and press it.

3. Operation Method for Fine Adjustment (in GRN, RED, or BLU Mode)

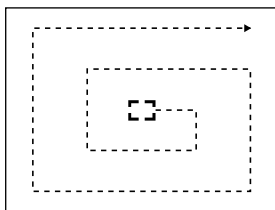
- 1) Set in the Service mode, and select the category “PJE”.
- 2) Select item “FDIS” so that the data at each position can be displayed in the fine adjustment mode, and set the data to “01”.
- 3) Press “⑨” button on the commander, and the fine adjustment mode will be active where a green marker appears in the center of screen (in the case of GRN mode).
- 4) Push “⊕ (ENTER)” button, and the marker color will be switched between green (GRN mode) and white alternately.
- 5) Use “①” or “④” button on the commander, or the joystick to move the marker to the position to be adjusted, where fine adjustment can be made.

- When marker color is white.
(in this case, fine adjustment is disabled)



Operating the joystick can move the marker up, down, or to the left or right freely.

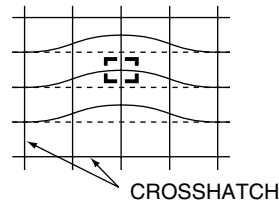
- When marker color is green. (GRN mode)



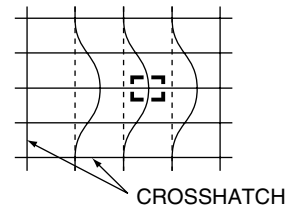
- ① : moves the marker clockwise from center to outside.
 ④ : moves the marker counterclockwise from outside to center.

- Fine adjustment can be made on the basis of marker position using joystick key.

Movement when joystick key is moved up.



Movement when joystick key is moved to the right.



- 6) Press “⑨” button on the commander to return to the rough adjustment mode.

3-12-5. Method of Projector Engine Adjustment (Sub Deflection Adjustment)

Adjustment ○ : Yes - : No

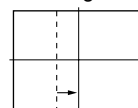
Adjustment Item	Adjustment Type		
	GRN	RED	BLU
	H / V	H / V	H / V
CENT	○ / ○	○ / ○	○ / ○
SKEW	○ / ○	○ / ○	○ / ○
SIZE	○ / ○	○ / ○	○ / ○
LIN	○ / ○	○ / ○	○ / ○
KEY	- / ○	- / ○	- / ○
PIN	○ / ○	○ / ○	○ / ○
MLIN	○ / -	○ / -	○ / -
MSIZ	○ / -	○ / -	○ / -

1. Green Adjustment

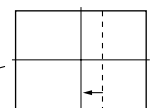
- 1) Place the caps on the red and blue lenses so that only the green color is displayed.
- 2) Enter the monoscope signal to set.
- 3) Set in the Service mode, and select the category “PJE”.
- 4) Press “⑥” button on the commander to display internal test signal (crosshatch).
- 5) Select “GRN CENT”, and adjust so that the picture coincide in the center of screen.

- GRN CENT (horizontally/vertically)

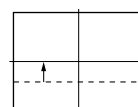
Move the joystick to the right.



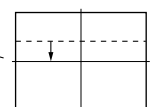
Move the joystick to the left.



Move the joystick up.



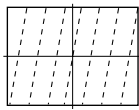
Move the joystick down.



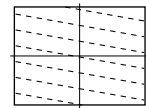
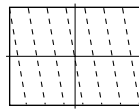
- 6) Select "GRN SKEW", and correct the tilt of horizontal lines and vertical lines.

• GRN SKEW (horizontally/vertically)

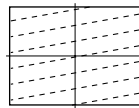
Move the joystick to the right.



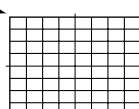
Move the joystick to the left.



Move the joystick up.



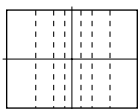
Move the joystick down.



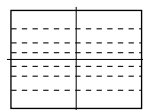
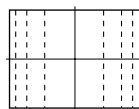
- 7) Select "GRN SIZE", and adjust so that each distance from center to left end and to right end is equal. Adjust so that each distance from center to top and to bottom is equal.

• GRN SIZE (horizontally/vertically)

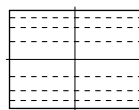
Move the joystick to the right.



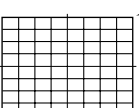
Move the joystick to the left.



Move the joystick up.



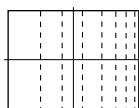
Move the joystick down.



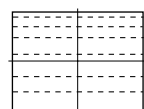
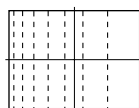
- 8) Select "GRN LIN", and adjust so that each space at the right end and at the left end of screen is equal. Adjust so that each space at the top and at the bottom of screen is equal

• GRN LIN (horizontally/vertically)

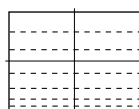
Move the joystick to the right.



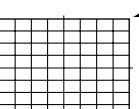
Move the joystick to the left.



Move the joystick up.

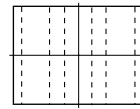


Move the joystick down.

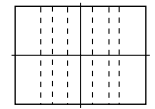
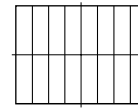


- 9) Select "GRN MSIZ", and correct the space intervals for the horizontal section of the screen are equal.

• GRN MSIZ (horizontally)



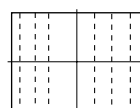
Move the joystick to the right.



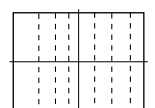
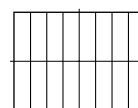
Move the joystick to the left.

- 10) Select "GRN MLIN", and correct the sizes of the horizontal line at the center of the screen are symmetrical left and right.

• GRN MSIZ (horizontally)



Move the joystick to the right.

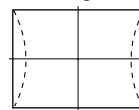


Move the joystick to the left.

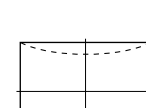
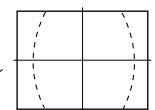
- 10) Select "GRN PIN", and adjust so that right and left vertical lines on the screen become straight. Adjust so that upper and lower horizontal lines on the screen become straight

• GRN PIN (horizontally/vertically)

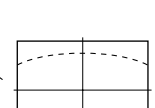
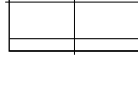
Move the joystick to the right.



Move the joystick to the left.



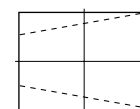
Move the joystick up.



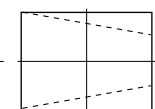
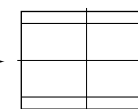
Move the joystick down.

- 11) Select "GRN KEY", and adjust so that upper and lower horizontal lines on the screen become parallel.

• GRN KEY (vertically)



Move the joystick up.



Move the joystick down.

- 12) Press "9" button on the commander to enter the fine adjustment mode.
 13) Make fine adjustment so that horizontal lines and vertical lines become straight.
 14) Press "9" button on the commander to return to the coarse adjustment mode.

2. Red Adjustment

- 1) Place a cap on the blue lens so that green and red colors are displayed.
- 2) Press “③” button on the commander to select RED mode.
- 3) Adjust the following items so that blue lines overlap with green lines.

- RED CENT (horizontally/vertically)
- RED SKEW (horizontally/vertically)
- RED SIZE (horizontally/vertically)
- RED LIN (horizontally)
- RED MSIZ (horizontally)
- RED MLIN (horizontally)
- RED PIN (horizontally/vertically)
- RED KEY (/vertically)

- 4) Press “⑨” button on the commander to enter the fine adjustment mode.
- 5) Make fine adjustment so that horizontal lines and vertical lines overlap with green lines.
- 6) Press “⑨” button on the commander to return to the rough adjustment mode.

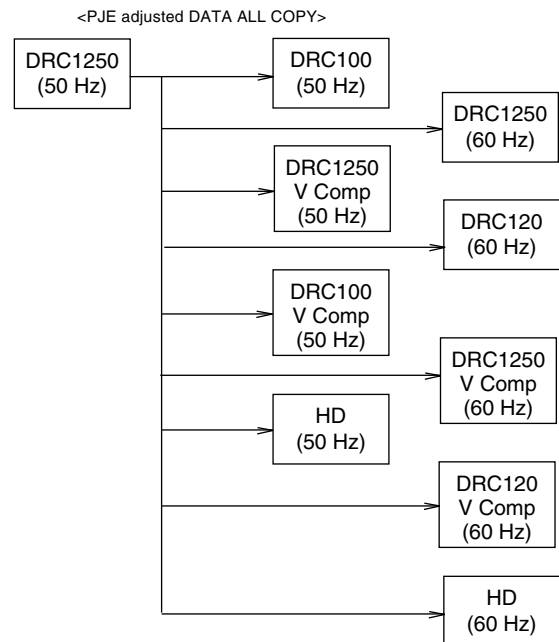
3. Blue Adjustment

- 1) Place a cap on the red lens so that green and blue colors are displayed.
- 2) Press “③” button on the commander to select BLUE mode.
- 3) Hereinafter, use same manner as that of blue adjustment to adjust so that the red lines overlap with green lines.

Blue Adjustment


4. Registration Data Writing

- 1) Select “PJE” service item.
Ex.PJE 00 FDIS
- 2) Select “PJE 03 ALCP” change date “00” to “01” using Joy Stick Key, Then push “MUTE” + “0” confirm red ALCP OSD appear.
- 3) Regi data of DRC1250(PAL) is copied to all other mode.
When ALCP OSD disappear, data copy is finished.



3-13. AUTO CONVERGENCE SETTING

This adjustment must be performed after the registration adjustment was made or after readjustment was made by any reason.

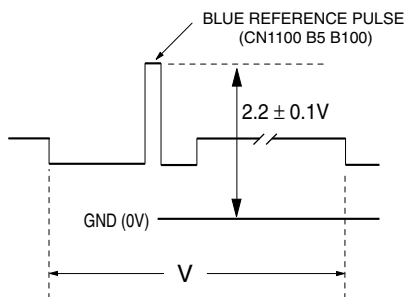
1. Darken the periphery of this set.
2. Receive the 50Hz (PAL) signal.
3. Set in the service mode.
4. Press “ (AUTO CONVERGENCE)” button on the front panel of the set.
(The offset value is now automatically stored.)
5. Check that no error message appears.
If an error message appears, recheck.
6. Enter the NTSC monoscope signal, and perform the same steps in the PAL modes respectively.

3-14. BLUE OFFSET ADJUSTMENT

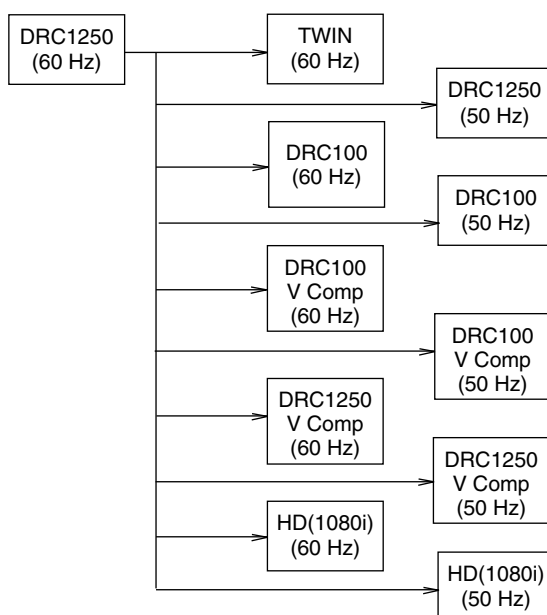
This adjustment must be ending the G2 adjustment .

1. Receive the HD(1080i/60Hz Black) signal into component in terminal.
2. Set PICTURE 100%, others are normal, DRC1250/60Hz.
3. Adjust with SLN so that the blue reference pulse peak voltage of B100 terminal (CN1100) enters into standard.

Item : GE2 03 SLN



4. Write the adjustment value in the NVM area of each mode after the adjustment.



3-15. WHITE BALANCE ADJUSTMENT

1. Enter the monoscope signal.
2. Set in the service mode.
3. Press “MENU” button on the commander to select “A/V CONTROL” → “PICTURE MODE” → “ADJUST”.

Adjustment Condition

PICTURE MODE : PERSONAL
 PICTURE : 0%
 BRIGHT : 50%

If the noise of DCF (Digital Comb Filter) has an effecting white balance adjustment, change service data as follows while the adjustment.

OPM 00 COM : 00 → 01

(This time, beginning inspection also should be done under some condition.)

Adjusting Parameter

Category	Item
WHB	03 SBR
	04 RDR
	06 BDR
	07 RCT
	09 BCT

4. Adjust “03 SBR” so that 10 IRE section barely grows.
5. Enter the all-white pattern signal.
6. Adjust “07 RCT” and “09 BCT” so as to attain the optimum white balance.
7. Adjust “03 SBR” so that 100 IRE section barely grows.
8. Adjust “04 RDR” and “06 BDR” so as to attain the optimum white balance.
9. Repeatedly adjust the white balance for the minimum and maximum picture setting.
10. Enter the monoscope signal, and select “SAJ 00 PIC”, and set the data to “00”.
11. Adjust “03 SBR” so that the border between 0 IRE and 10 IRE becomes distinct.

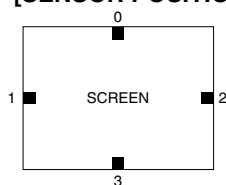
3-16. AUTO CONVERGENCE ERROR CODE LIST

If an error code is displayed after the set has been fully adjusted, correctly, please check the following items : position, tilt and sizing. If either of these adjustments are off, even slightly, the auto registration pattern will not hit the four sensors properly. This occurs when the internal generator patterns is being flashed on the screen for the sensor to read. Therefore, auto registration (called auto convergence) cannot operate properly causing an error code to be displayed. In order for this function to operate properly, correct position, tilt and size must be adjusted properly.

ERROR CODE LIST

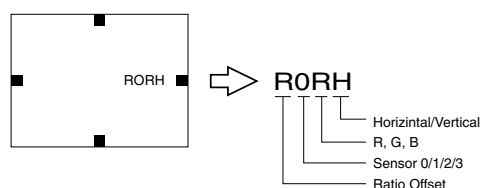
ERROR CODE	DESCRIPTION	NOTE
10	Sensor 0 low output	Check sensor 0, connection/Wiring, circuit and pattern position. (Are patterns hitting sensor ?) Adjust V UP, HMID if necessary.
11	Sensor 1 low output	Check sensor 1, connection/Wiring, circuit and pattern position. (Are patterns hitting sensor ?) Adjust HLE, VMID if necessary.
12	Sensor 2 low output	Check sensor 2, connection/Wiring, circuit and pattern position. (Are patterns hitting sensor ?) Adjust HRIV, VMID if necessary.
13	Sensor 3 low output	Check sensor 3, connection/Wiring, circuit and pattern position. (Are patterns hitting sensor ?) Adjust VLOW, HMID if necessary.
20	Sensor 0 high output	Check sensor 0 and circuit.
21	Sensor 1 high output	Check sensor 1 and circuit.
22	Sensor 2 high output	Check sensor 2 and circuit.
23	Sensor 3 high output	Check sensor 3 and circuit.
30	V center or skew adjustment loop overflow	Check VMID data and check registration condition.
31	H center or skew adjustment loop overflow	Check HMID data and check registration condition.
32	H linearity or size adjustment loop overflow	Check HLE and HRIV data and check registration condition.
40	V center regi data overflow	Check VMID data and confirm V center data (all modes) is not near 511.
41	H center regi data overflow	Check HMID data and confirm H center data (all modes) is not near 511.
42	V skew regi data overflow	Check VMID data and confirm V skew data (all modes) is not near 511.
43	H skew regi data overflow	Check HMID data and confirm H skew data (all modes) is not near 511.
44	H linearity regi data overflow	Check HLE data and HRIV data and confirm H center data (all modes) is not near 511.
45	H size regi data overflow	Check HLE data and HRIV data and confirm H center data (all modes) is not near 511.
50	V center regi data overflow	Check VMID data and confirm V center data (all modes) is not near 512.
51	H center regi data overflow	Check HMID data and confirm H center data (all modes) is not near 512.
52	V skew regi data overflow	Check VMID data and confirm V skew data (all modes) is not near 512.
53	H center regi data overflow	Check HMID data and confirm H skew data (all modes) is not near 512.
54	H linearity regi data overflow	Check HLE data and HRIV data and confirm H center data (all modes) is not near 512.
55	H size regi data overflow	Check HLE data and HRIV data and confirm V center data (all modes) is not near 512.
60	Cent/Skew calibration loop overflow	Check HMID and VMID data and check registration condition.
61	Size/Lin calibration loop overflow	Check HLE, HRIV, VUP, and VLOW data and check registration condition.
70	V cent/Skew ratio limit	Check sensors 1 and 2, connection/wiring, circuit, increase RTLM.
71	H cent/Skew ratio limit	Check sensors 0 and 3, connection/wiring, circuit, increase RTLM.
73	H size/Lin ratio limit	Check sensors 1 and 2, connection/wiring, circuit, increase RTLM.
80	Size limit Error	Check that horizontal size data is not near SZLM.

[SENSOR POSITION] • ERROR CODE SCREEN DISPLAY



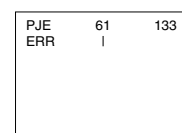
0 : UPPER SENSOR
 1 : LEFT SENSOR
 2 : RIGHT SENSOR
 3 : LOWER SENSOR

(When press “” (AUTO CONVERGENCE)” button.)

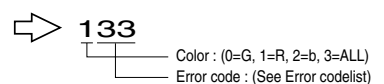


• ERROR CODE SCREEN DISPLAY

(When select “PJE” → “61 ERR”.)



Category : PJE
 Item : 61 ERR



SECTION 4

SAFETY RELATED ADJUSTMENT

4-1. HV REGULATION ADJUSTMENT

When replacing the following components marked with \blacksquare on the schematic diagram, always check hold-down voltage and if necessary re-adjust.

- \boxtimes : VR8001
- \blacksquare : C8054, C8086, C8088, C8100, C8104, C8118, C8123, C8124
 D8019, D8020, D8022, D8028, D8036
 IC8008
 Q8035, Q8043
 R8043, R8159, R8166, R8171, R8196, R8201
 T8004(LOT), T8005(FBT)
 HV block, D board

HV REGULATION ADJUSTMENT

1. Connect a HV static voltmeter to the unconnected plug of the highvoltage block. (Fig.4-1)
2. Power on the set.
3. Confirm that the static voltmeter reading is 31.0 ± 0.2 kV.
4. If not, adjust with VR8001 to the specified value.
5. After adjustment, apply sufficient amount of RTV KE490 on the VR8001. (Fig.4- 2)

4-2. HV HOLD-DOWN ADJUSTMENT

When replacing the following components marked with \blacksquare on the schematic diagram, always check hold-down voltage and if necessary re-adjust.

- \boxtimes : VR8002
- \blacksquare : C8079, C8083, C8090, C8129
 D8013, D8015, D8038, D8043, D8051
 IC8006
 Q8021
 R8055, R8102, R8128, R8129, R8131, R8139, R8140, R8142, R8153, R8163, R8223, R8230
 T8004(LOT), T8005(FBT)
 HV block, D board

HV HOLD-DOWN ADJUSTMENT

1. Connect a HV static voltmeter to the unconnected plug of the highvoltage block. (Fig.4- 1)
2. Power on the set.
3. Connect an external 10k VR at CN8015 and adjust this VR so that the high voltage is 34.50 kV.
4. Confirm that the static voltmeterreading is 34.5 ± 0.4 kV.
5. If not, adjust with VR8002 to the specified value.
6. After adjustment, put the VR cover on VR8001 as shown below and apply sufficient amount of RTV KE490 on the VR8002. (Fig.4- 2)

4-3.+B MAX VOLTAGE CONFIRMATION

The following adjustments should always be performed when replacing IC6503.

1. Supply 220V AC to variable autotransformer.
2. Receive dot signal pattern and set the PICTURE and BRIGHTNESS setting to their minimum.
3. Confirm the voltage of TP+B 135V is less than 137.0 Vdc.
4. If step 4 not satisfied, replace IC6503 and repeat above steps.

4-4.+B OVP CONFIRMATION

1. Add to low voltage power supply between to TP6502 and 4 pin of IC6502.
2. Supply 220V AC to variable autotransformer.
3. Power on the Set and receive dot signal pattern.
4. Set the PICTURE and BRIGHTNESS settings.
5. Check the OVP is activated.
 Operate : power supply voltage 2.70 ± 0.05 V

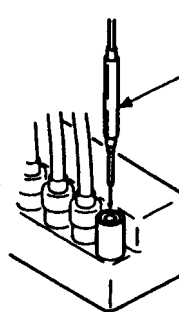
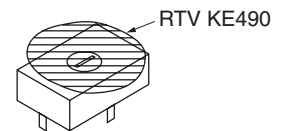


Fig. 4-1



VR8001, VR8002

Fig. 4-2

SECTION 5 ELECTRICAL ADJUSTMENTS

5-1. Picture Quality Adjustment

5-1-1. Preparation

1. Set in the service mode.
2. Set respective items as follows.

Adjustment Condition

DRC-MF : DRC1250
 PICTURE MODE : HI-FINE
 3D-NR MODE : OFF
 ECO MODE : OFF
 WIDE MODE : OFF

Category	Item	Data
SAJ	00 PIC	3F
	06 DYC	00
	0C GMS	00
	0D GMR	00
	0E GMG	00
	0F GMB	00
	13 ABT	00
	14 CLO	07
	16 HUU	07
	19 PIO	00
JGL	03 BBT	00
	04 LML	03
	05 SCO	07
WHB	04 RDR	1F
	05 GDR	1F
	06 BDR	1F
	07 RCT	1F
	08 GCT	1F
	09 BCT	1F

3. Connect the oscilloscope probe to the following point on the A board.

Original Condition

DRC-MF : DRC1250
 PICTURE MODE : HI-FINE
 3D-NR MODE : OFF
 ECO MODE : OFF
 WIDE MODE : OFF

Category	Item	Data				
		50TV	50VIDEO	60TV	60VIDEO	
SAJ	00 PIC	25 (HI-Fine)				
	02 COL	22 (HI-Fine) (53") 1F (HI-Fine) (43")				
	06 DYC	0 (HI-Fine)				
	0C GMS	00 (HI-Fine)				
	0D GMR	00 (HI-Fine)				
	0E GMG	00 (HI-Fine)				
	0F GMB	00 (HI-Fine)				
	14 CLO	07	07	07	07	
	16 HUU		07	53 : 07	07	53 : 07
				43 : 06		43 : 07
	19 PIO	(TWIN)=07				
	13 ABT	53 : 04, 43 : 07				
	JGL	03 BBT	00			
04 LML		00				
05 SCO		07				
WHB	05 GDR	1F				
	08 GCT	1A				

Measurement Point

A Board CN1100 :
 ① pin R100 → VR
 ⑤ pin B100 → VB

Note : After the adjustment 5-3. Picture Quality Adjustment, these adjustment parameters must be recovered to the original condition.

5-1-2. NTSC Video Input

1. Enter the NTSC video color bar (White & color 75%) signal.
2. Enter the service mode, and set respective items as follows.
3. Measure waveform, and each item is adjusted to become the following figure.
4. Press “(SWAP)” button on the commander, when the left screen and the right screen are changed.
5. After adjustment finished, press “(MUTE)” + “(0)” button to write the data to the NVM.

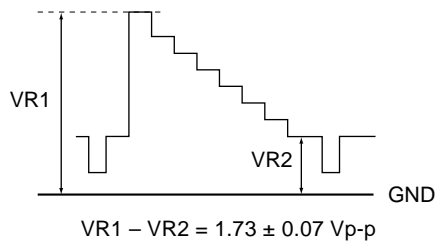
(i) SUB CONTRAST

Condition :

Category	Item	Data
SAJ	00 PIC	3F
	02 COL	00
	19 PIO	00

Adjusting Parameter :

LEFT screen : YCT 08 YOL
 RIGHT screen : SYC 08 YOL



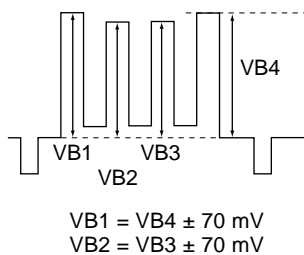
(ii) SUB HUE/SUB COL

Condition :

Category	Item	Data
SAJ	02 COL	22
	16 HUO	07

Adjusting Parameter :

LEFT screen : YCT 0A COL
 00 TNT
 RIGHT screen : SYC 0A COL
 00 TNT



5-1-3. NTSC RF Input

1. Enter the NTSC RF color bar (White & color 75%) signal.
2. Adjust with the same manner as 5-1-2. NTSC Video Input.

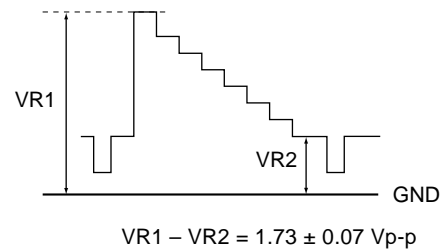
(i) SUB CONTRAST

Condition :

Category	Item	Data
SAJ	00 PIC	3F
	02 COL	00
	19 PIO	00

Adjusting Parameter :

LEFT screen : YCT 04 SCT
 RIGHT screen : SYC 04 SCT



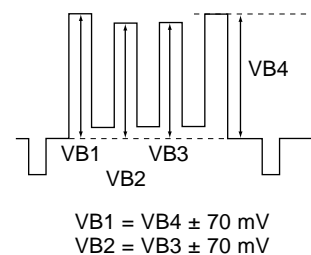
(ii) SUB HUE/SUB COL

Condition :

Category	Item	Data
SAJ	02 COL	22
	16 HUO	07

Adjusting Parameter :

LEFT screen : YCT 03 SCL
 00 TNT
 RIGHT screen : SYC 03 SCL
 00 TNT



5-1-4. PAL Video Input

1. Enter the PAL video color bar (White & color 75%) signal.
2. Adjust with the same manner as 5-3-2. NTSC Video Input.

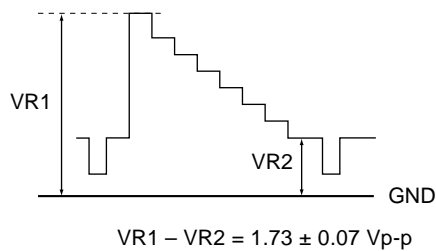
(i) SUB CONTRAST

Condition :

Category	Item	Data
SAJ	00 PIC	3F
	02 COL	00
	19 PIO	00

Adjusting Parameter :

LEFT screen : YCT 04 SCT
 RIGHT screen : SYC 04 SCT



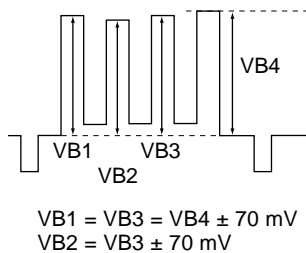
(ii) SUB HUE/SUB COL

Condition :

Category	Item	Data
SAJ	02 COL	22

Adjusting Parameter :

LEFT screen : YCT 03 SCL
 RIGHT screen : SYC 03 SCL



5-1-5. PAL RF Input

1. Enter the PAL RF color bar (White & color 75%) signal.
2. Adjust with the same manner as 5-3-2. NTSC Video Input.

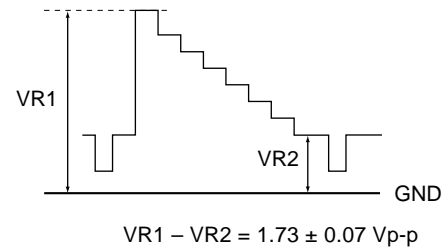
(i) SUB CONTRAST

Condition :

Category	Item	Data
SAJ	00 PIC	3F
	02 COL	00
	19 PIO	00

Adjusting Parameter :

LEFT screen : YCT 04 SCT
 RIGHT screen : SYC 04 SCT



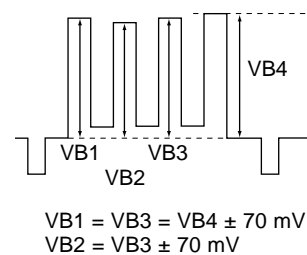
(ii) SUB HUE/SUB COL

Condition :

Category	Item	Data
SAJ	02 COL	22

Adjusting Parameter :

LEFT screen : YCT 03 SCL
 RIGHT screen : SYC 03 SCL



5-2. Color Offset

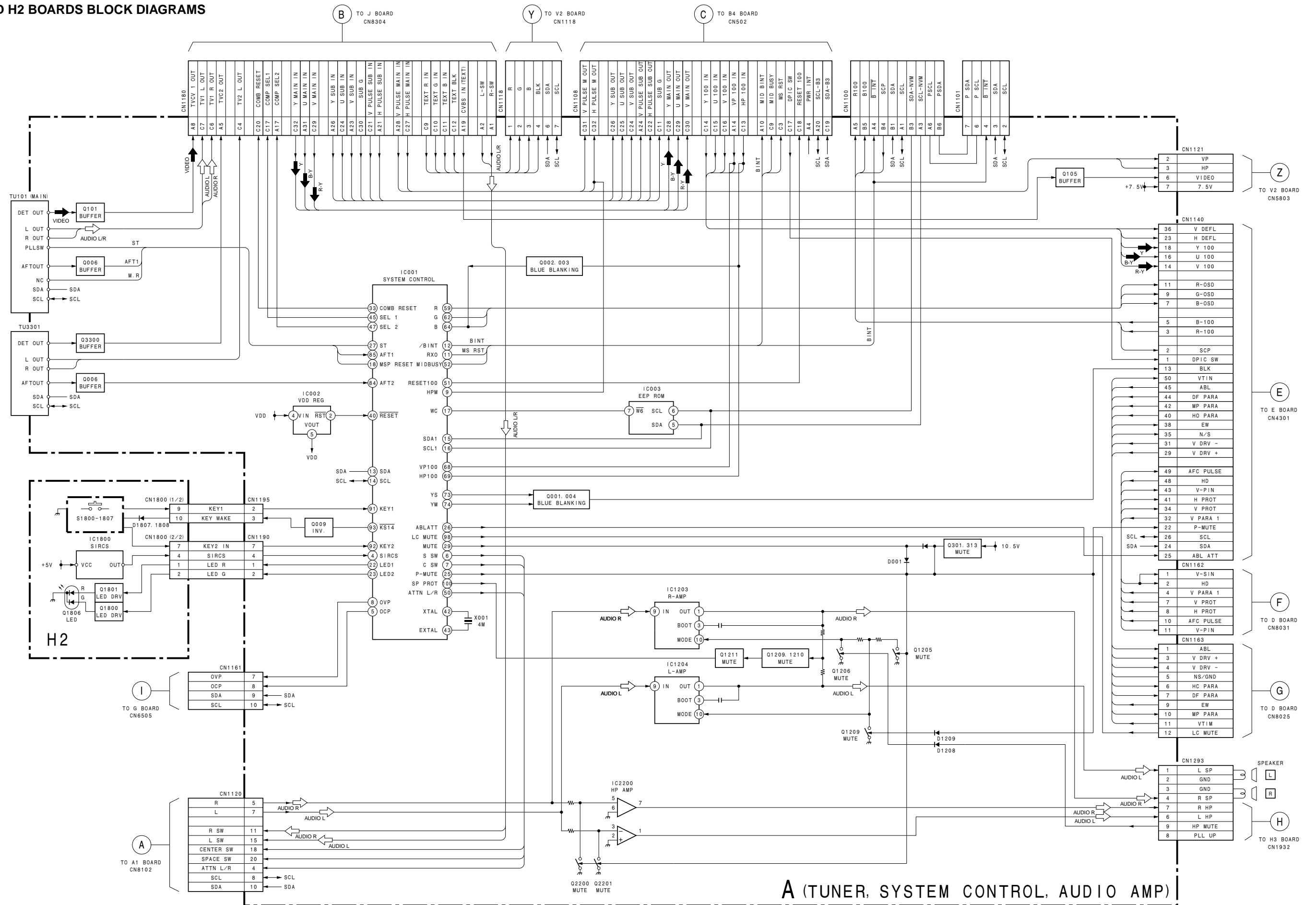
- 1) Enter the PAL RF signal.
- 2) Enter the service mode, and write the following data to the NVM.

Category	Item	Data			
		50TV	50VIDEO	60TV	60VIDEO
SAJ	14 CLO	07	07	07	07

Category	Item		Dynamic	Standard	HiFine
SAJ	02 COL	43"	2D	27	1F
		53"	30	2A	22

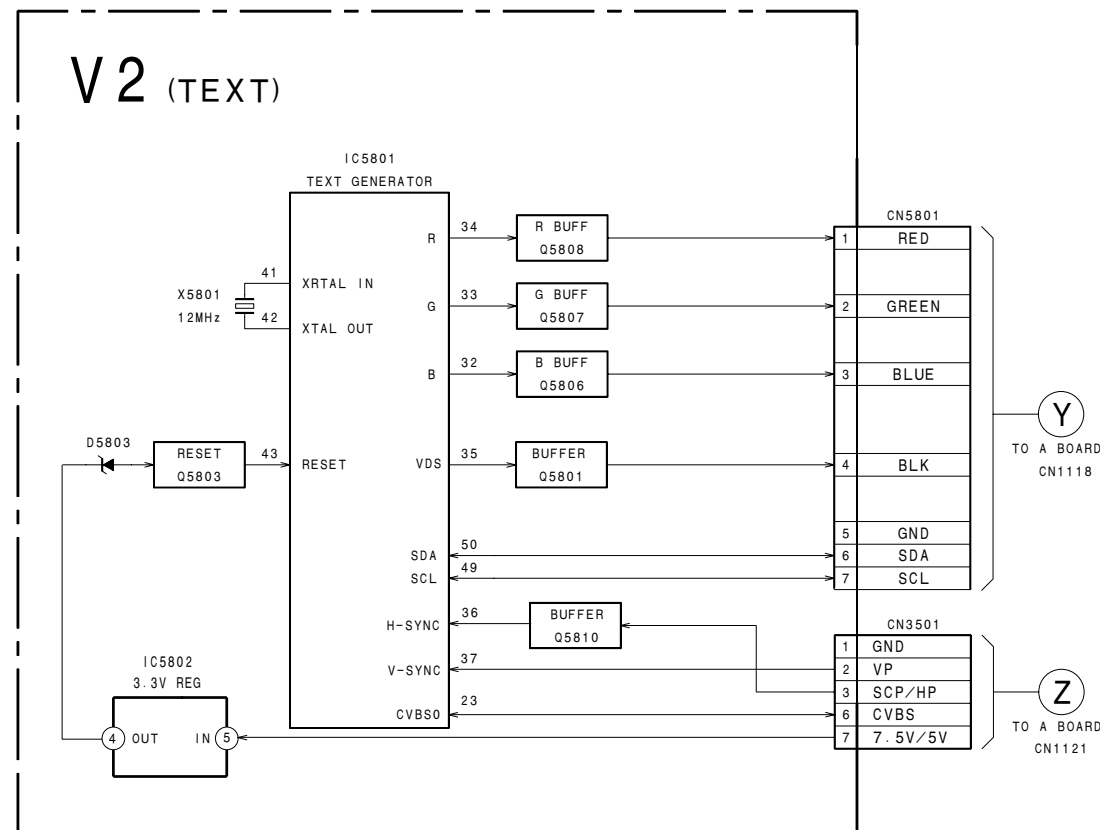
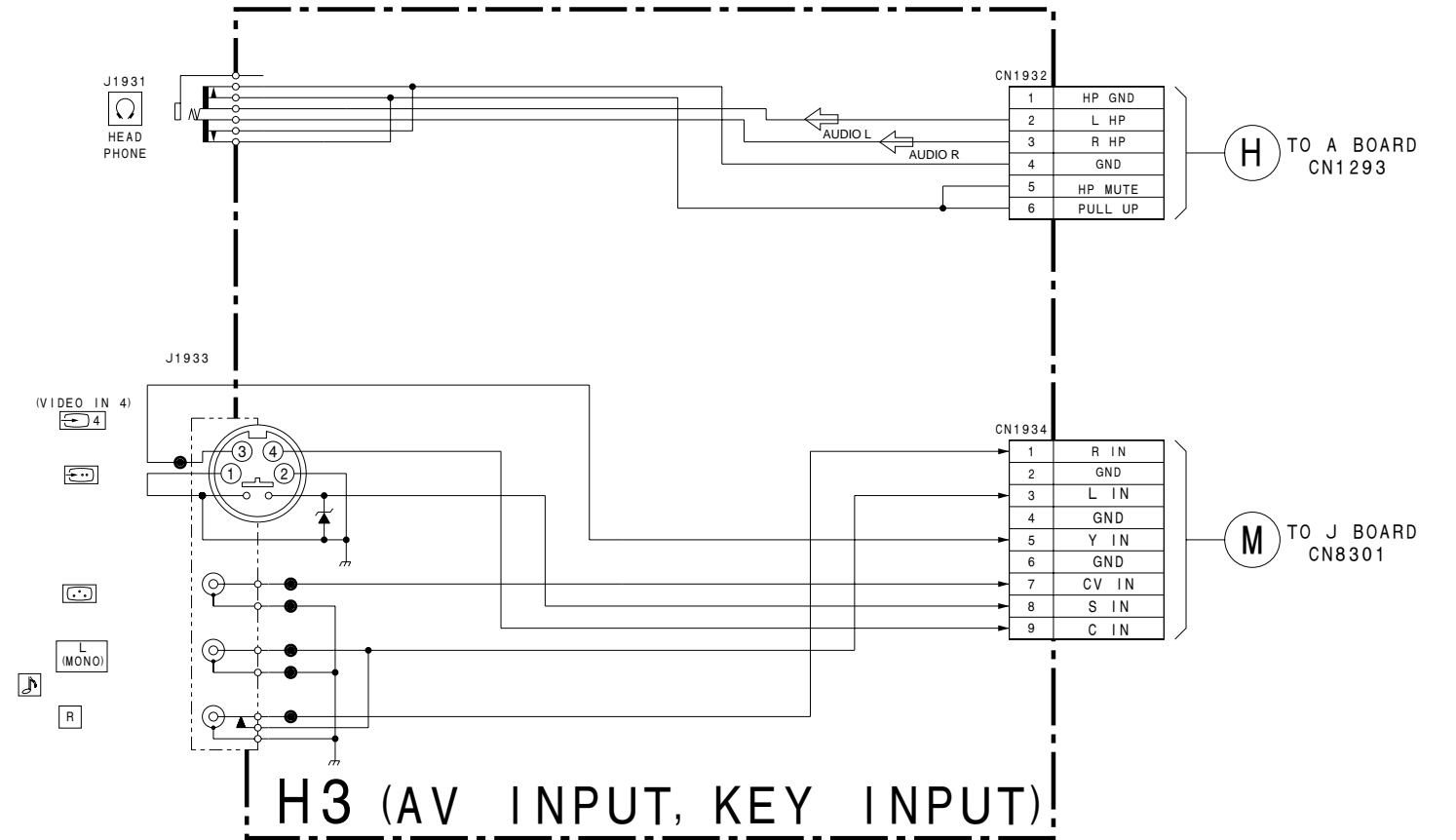
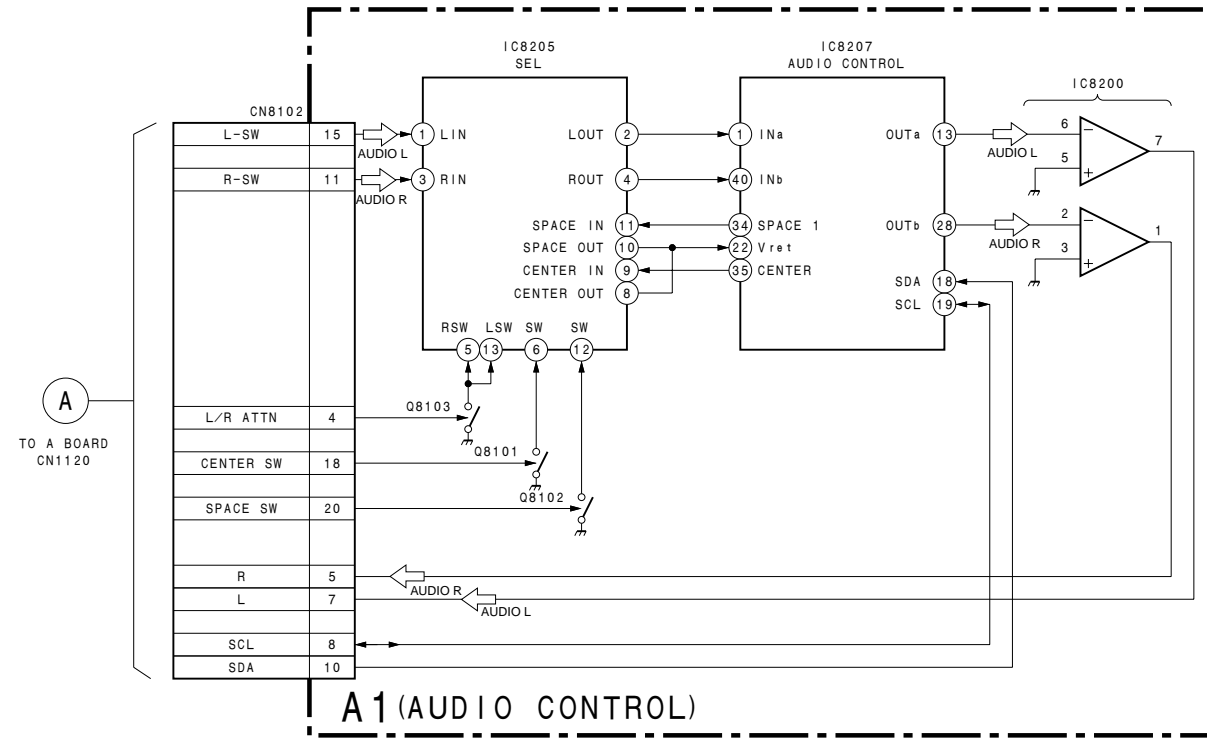
SECTION 6
DIAGRAMS

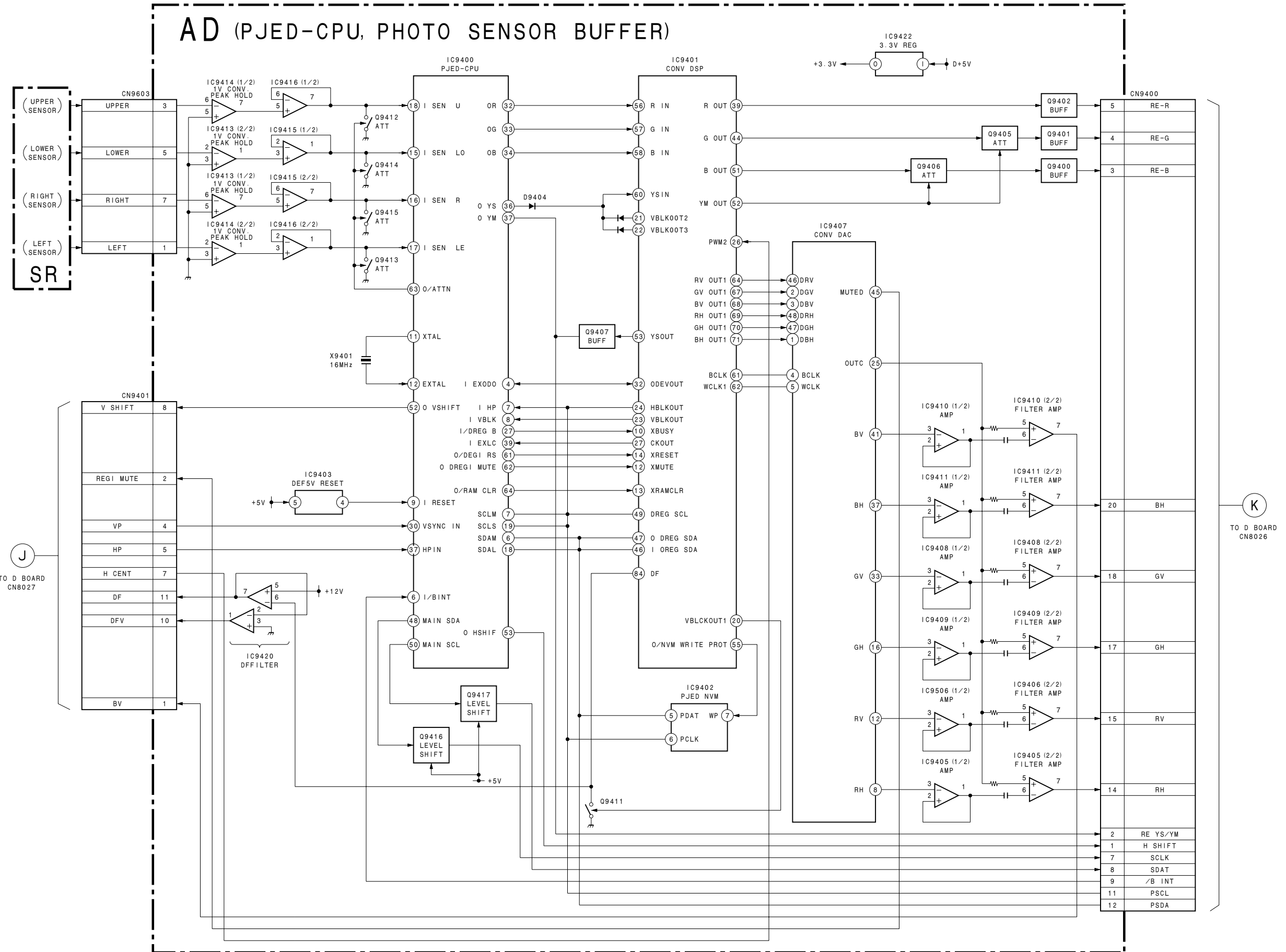
6-1. BLOCK DIAGRAMS
(1) A AND H2 BOARDS BLOCK DIAGRAMS



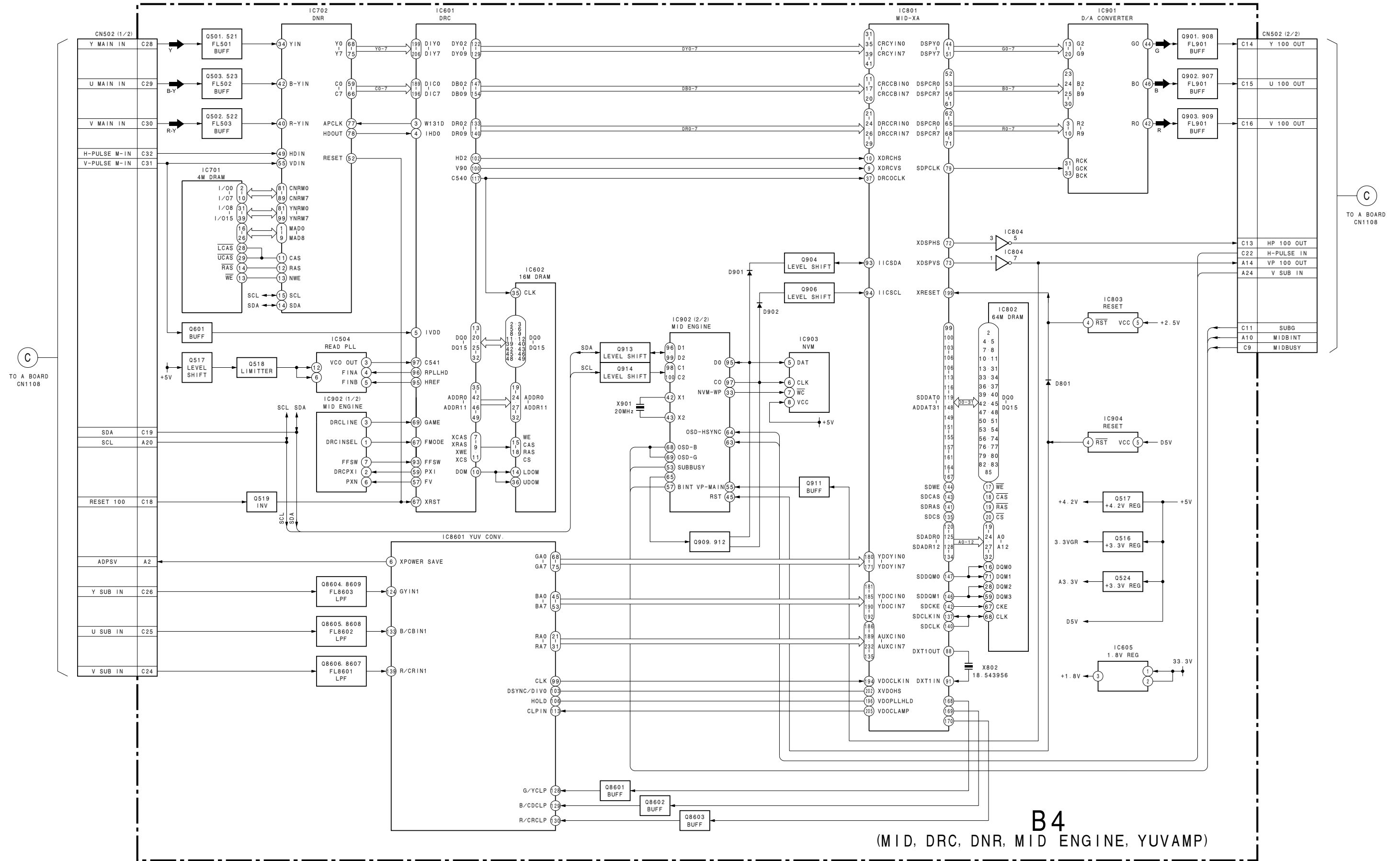
A (TUNER, SYSTEM CONTROL, AUDIO AMP)

(2) A1 AND BOARDS BLOCK DIAGRAM

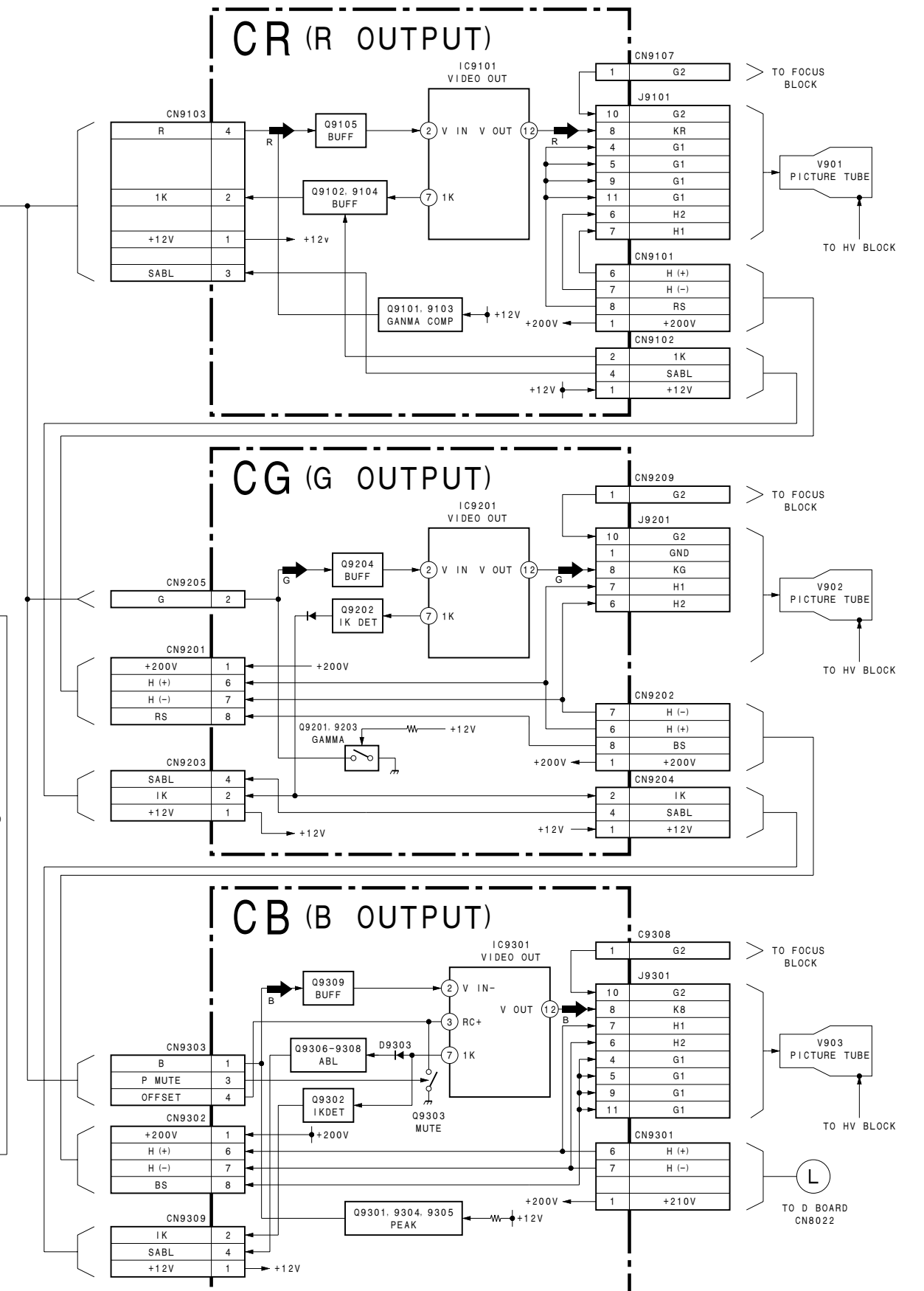
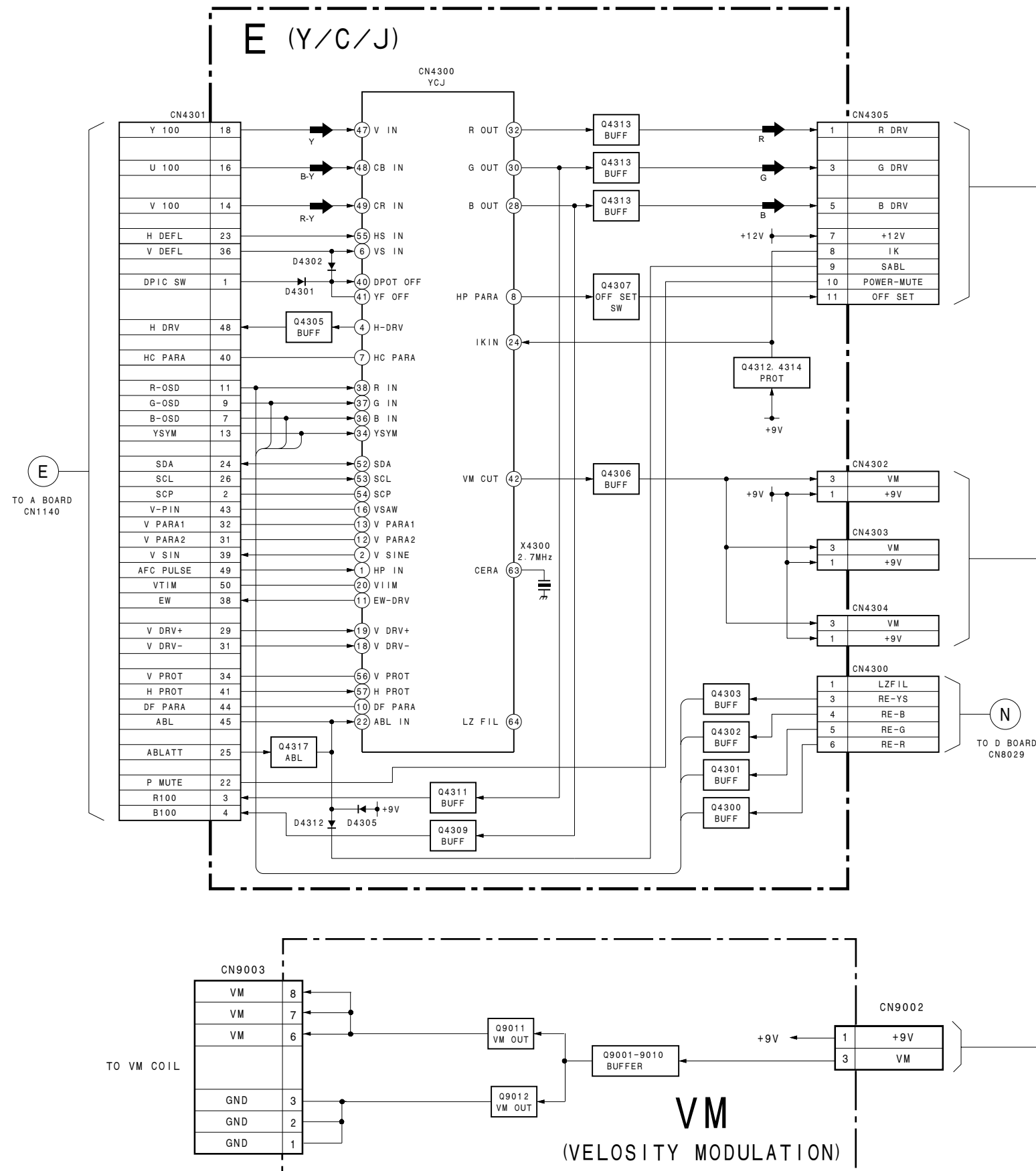


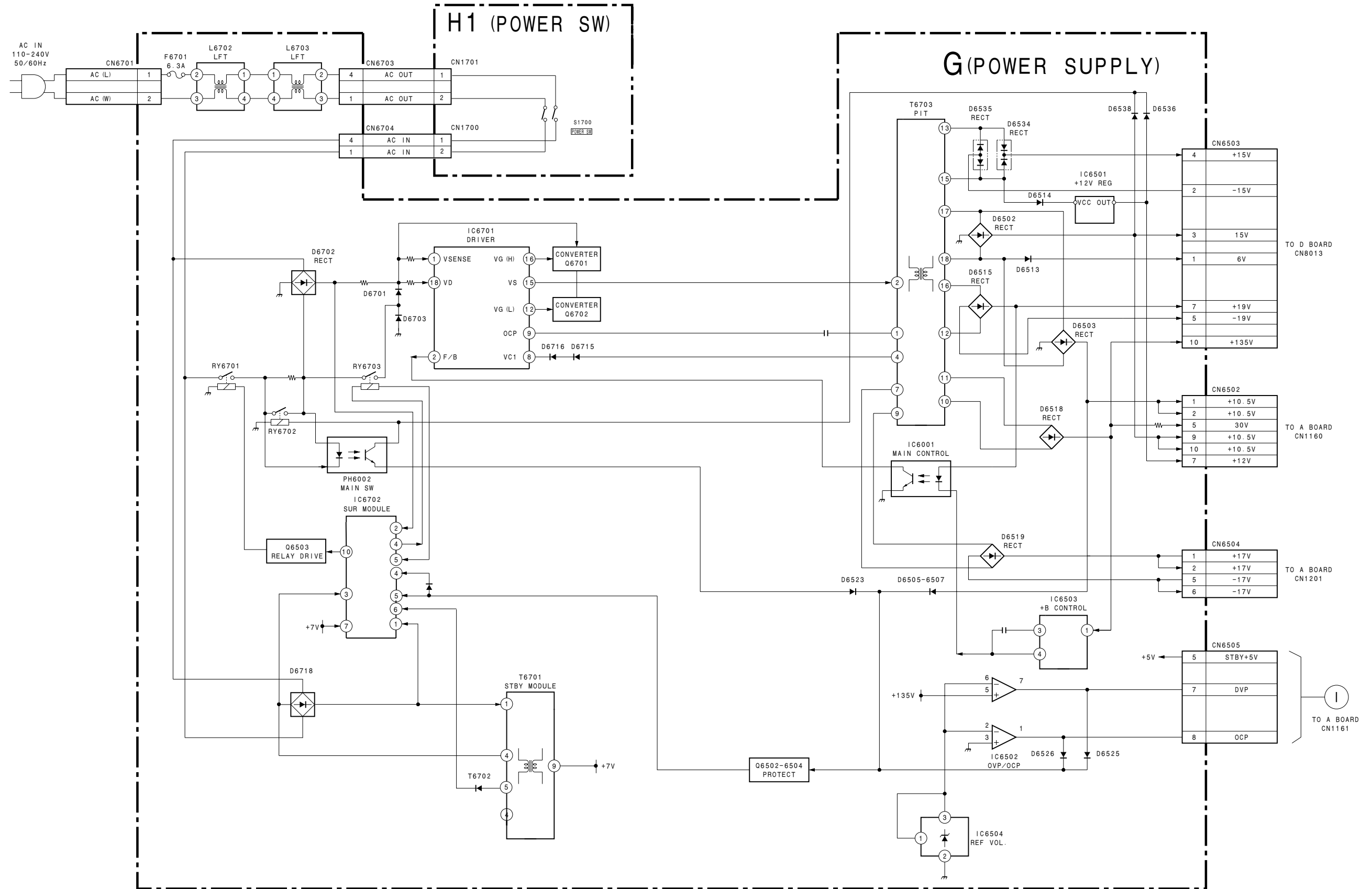


(4) B4 BOARD BLOCK DIAGRAM

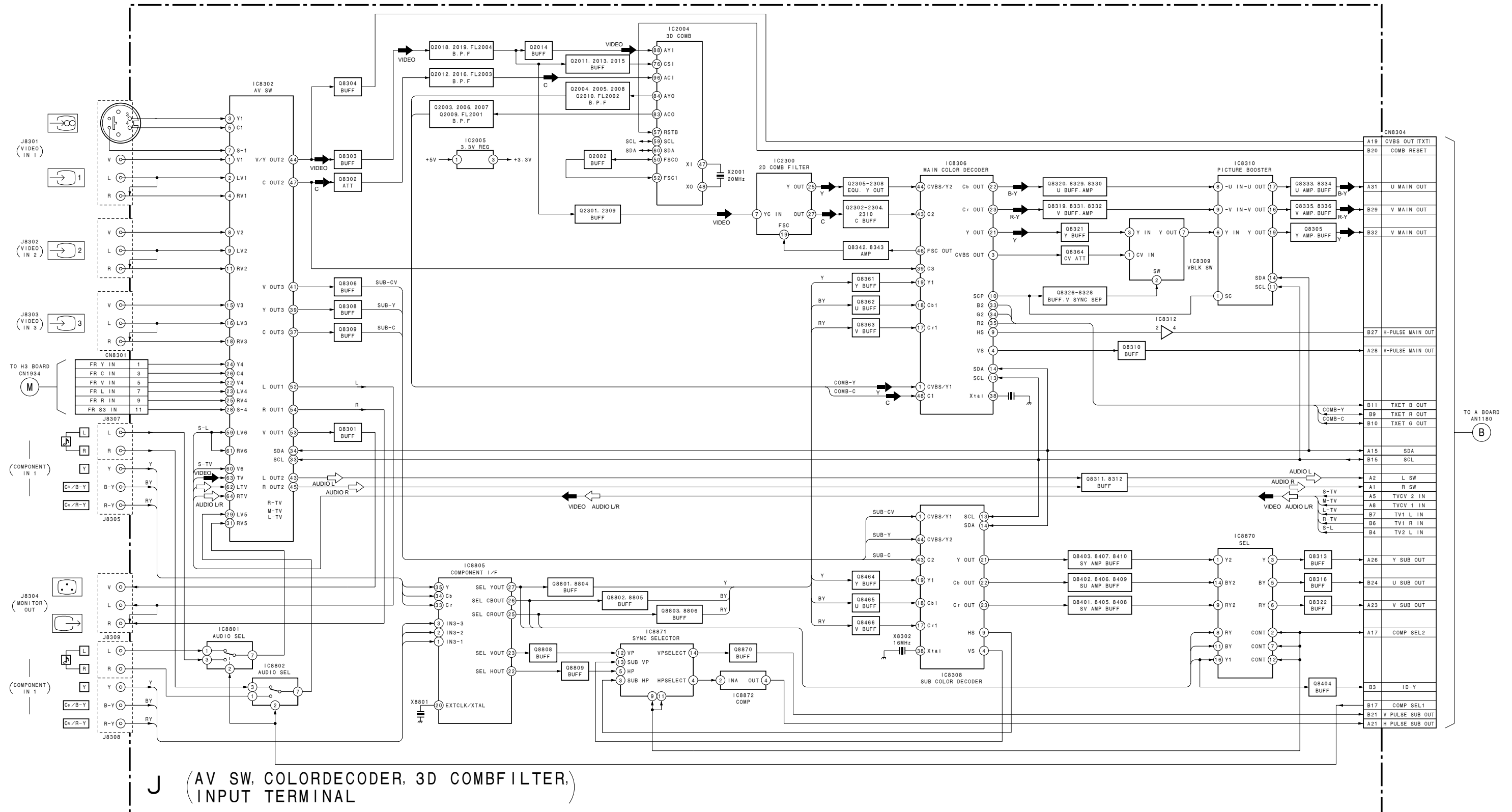


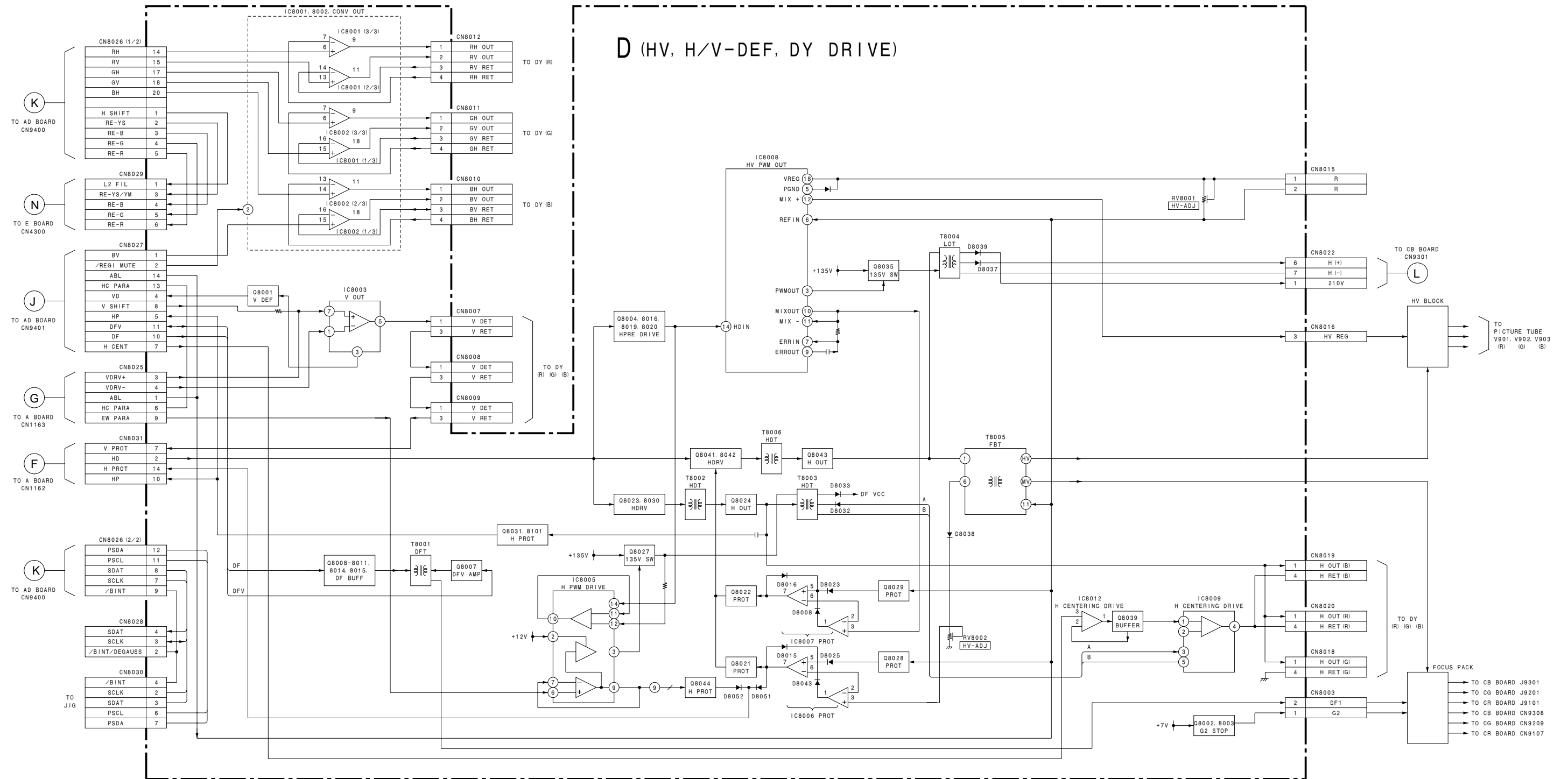
B4
(MID, DRC, DNR, MID ENGINE, YUVAMP)



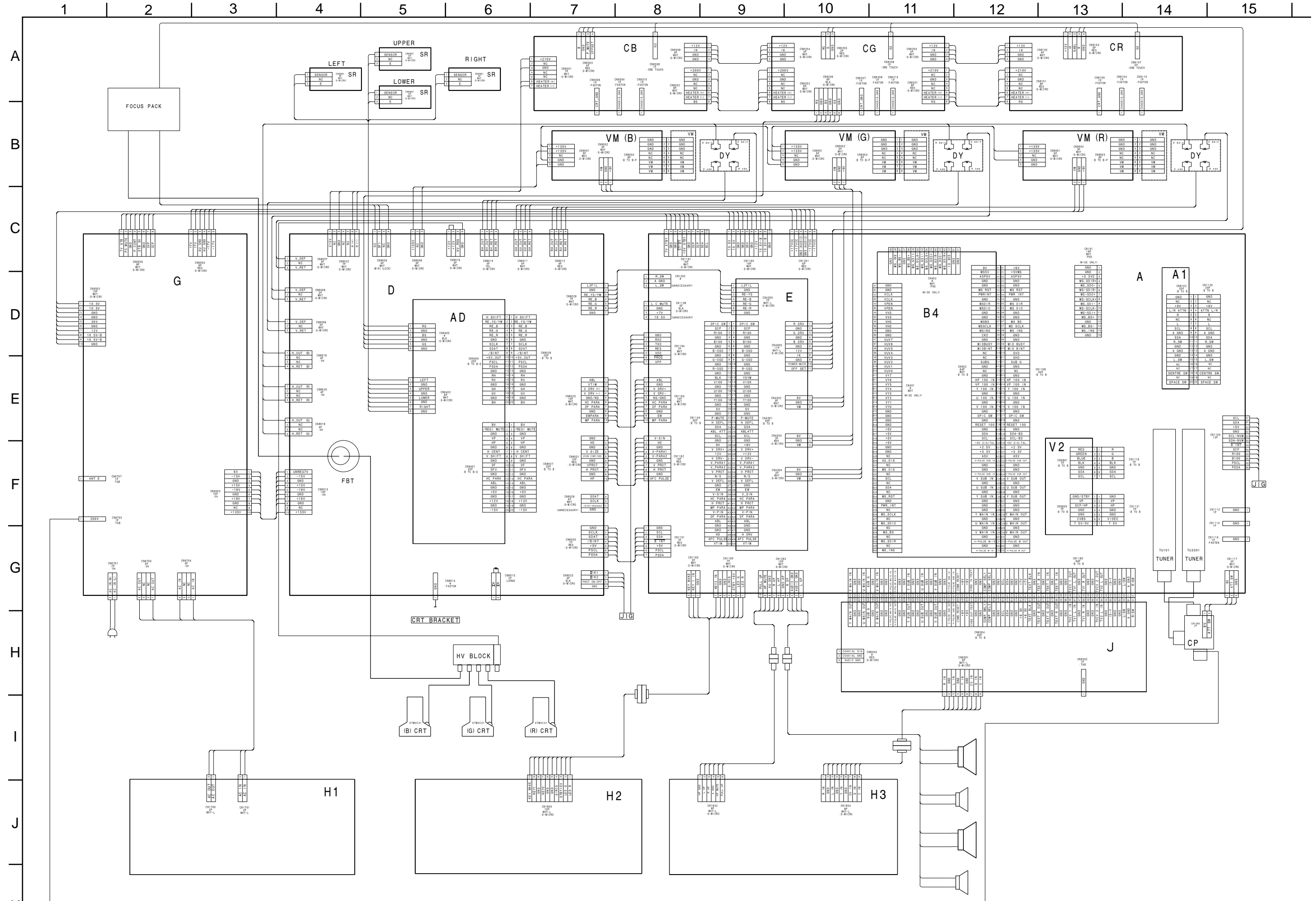


(7) J BOARD BLOCK DIAGRAM

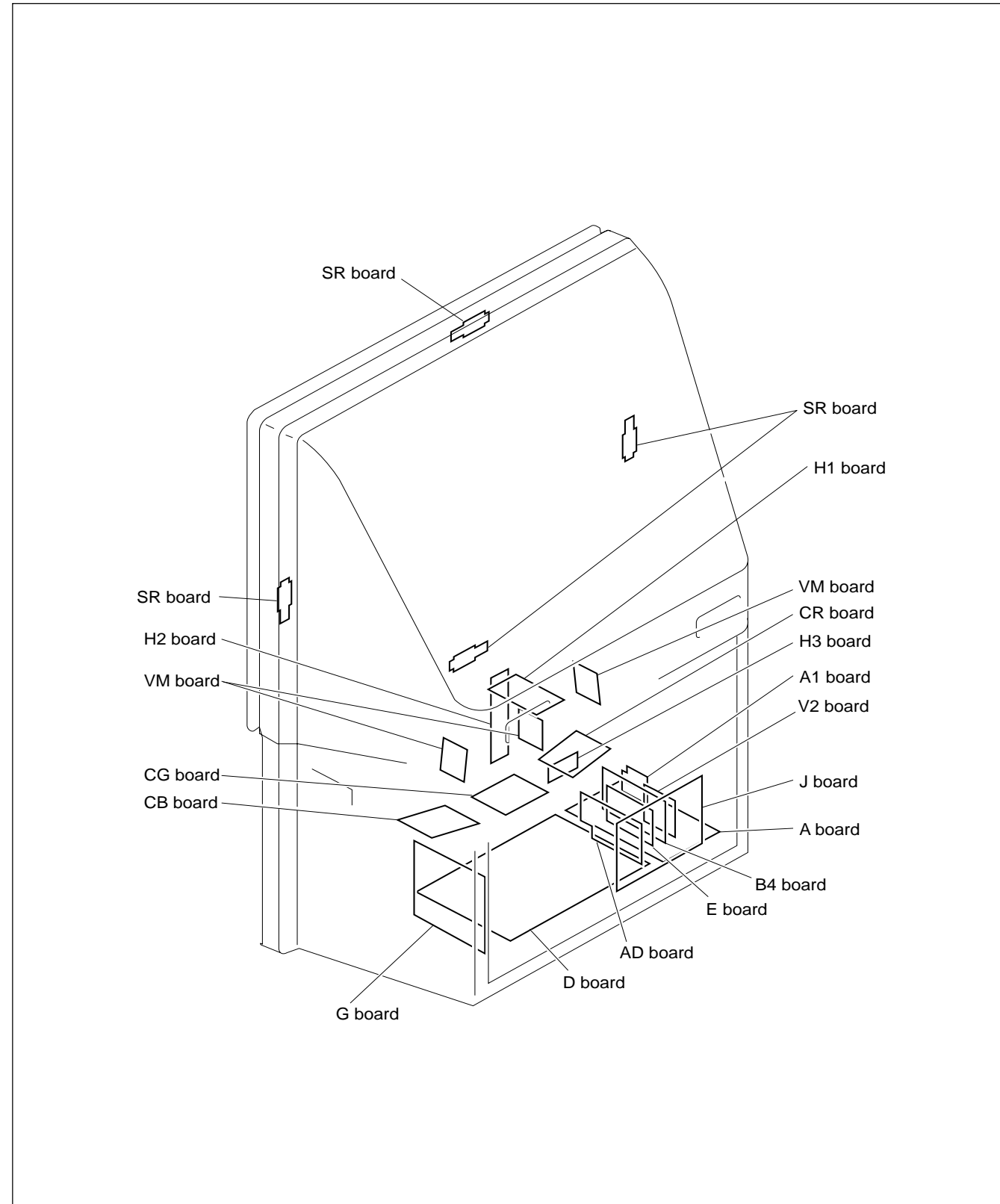




6-2. FRAME SCHEMATIC DIAGRAM



6-3. CIRCUIT BOARDS LOCATION



6-4. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

Note:

- All capacitors are in μF unless otherwise noted. (pF : μpF) Capacitors without voltage indication are all 50 V.
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch: 5 mm
Rating electrical power 1/4 W (CHIP : 1/10 W)

- All resistors are in ohms.
- : nonflammable resistor.
- : fusible resistor.
- Δ : internal component.
- : panel designation, and adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- \perp : earth-ground.
- : earth-chassis.
- All voltages are in V.
- Readings are taken with a 10 M digital multimeter.
- Readings are taken with a color-bar signal input.
- Voltage variations may be noted due to normal production tolerances.

- * : Can not be measured.
- NO MARK: Common
- < > : SECAM
- () : NTSC 3.58 MHz
- Circled numbers are waveform references.
- : B + bus.
- - - : B - bus.
- : Signal path.

Reference information

RESISTOR	: RN	METAL FILM
	: RC	SOLID
	: FPRD	NONFLAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
	: RW	NONFLAMMABLE WIREWOUND
	: RS	NONFLAMMABLE METAL OXIDE
	: RB	NONFLAMMABLE CEMENT
COIL	: LF-8L	MICRO INDUCTOR
CAPACITOR	: TA	TANTALUM
	: PS	STYROL
	: PP	POLYPROPYLENE
	: PT	MYLAR
	: MPS	METALIZED POLYESTER
	: MPP	METALIZED POLYPROPYLENE
	: ALB	BIPOLAR
	: ALT	HIGH TEMPERATURE
	: ALR	HIGH RIPPLE

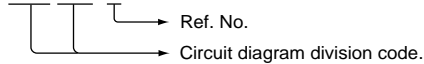
Note: The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Divided circuit diagram

Schematic diagrams of A, D, and E boards are divided into several pieces. Information to where the line is to be connected is printed at the end of each line.

For example, [TO A1/5, A2/5_1] means the line is connected to Ref. No. 1 of A(1/5) and A(2/5) schematic diagrams.

TO A1/5, A2/5_1



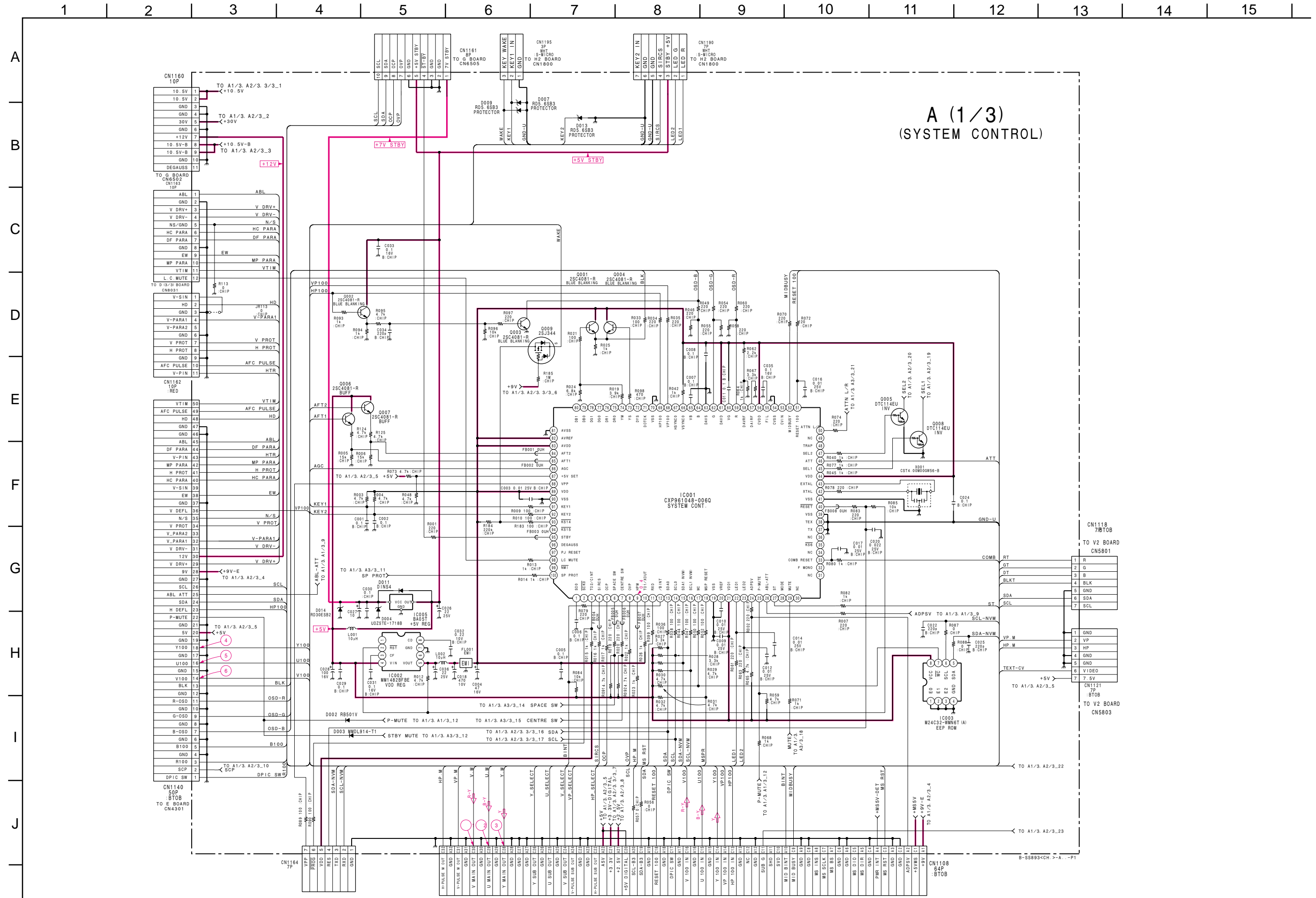
Terminal name of semiconductors in silk screen printed circuit (*)

Device	Printed symbol	Terminal name	Circuit
① Transistor		Collector Base Emitter	
② Transistor		Collector Base Emitter	
③ Diode		Cathode Anode	
④ Diode		Cathode Anode (NC)	
⑤ Diode		Cathode Anode (NC)	
⑥ Diode		Common Anode Cathode	
⑦ Diode		Common Anode Cathode	
⑧ Diode		Common Anode Anode	
⑨ Diode		Common Anode Anode	
⑩ Diode		Common Cathode Cathode	
⑪ Diode		Common Cathode Cathode	
⑫ Diode		Anode Cathode Anode Cathode	
⑬ Transistor (FET)		Drain Source Gate	
⑭ Transistor (FET)		Drain Source Gate	
⑮ Transistor (FET)		Source Drain Gate	
⑯ Transistor		Emitter Collector Base	
⑰ Transistor		C2/B1/E1 E2/B2/C1	
⑱ Transistor		C1/B2/E2 E1/B1/C2	
⑲ Transistor		C1/B2/E2 E1/B1/C2	
⑳ Transistor		C1/B2/E2 E1/B1/C2	
㉑ Transistor		E2/B1/E1 C2 C1(B2)	
㉒ Transistor		(B2) B1 E1 E2 C1 C2	
㉓ Transistor		(B2) E2 E1 B1 C2 C1	
—		Discrete semiconductor	

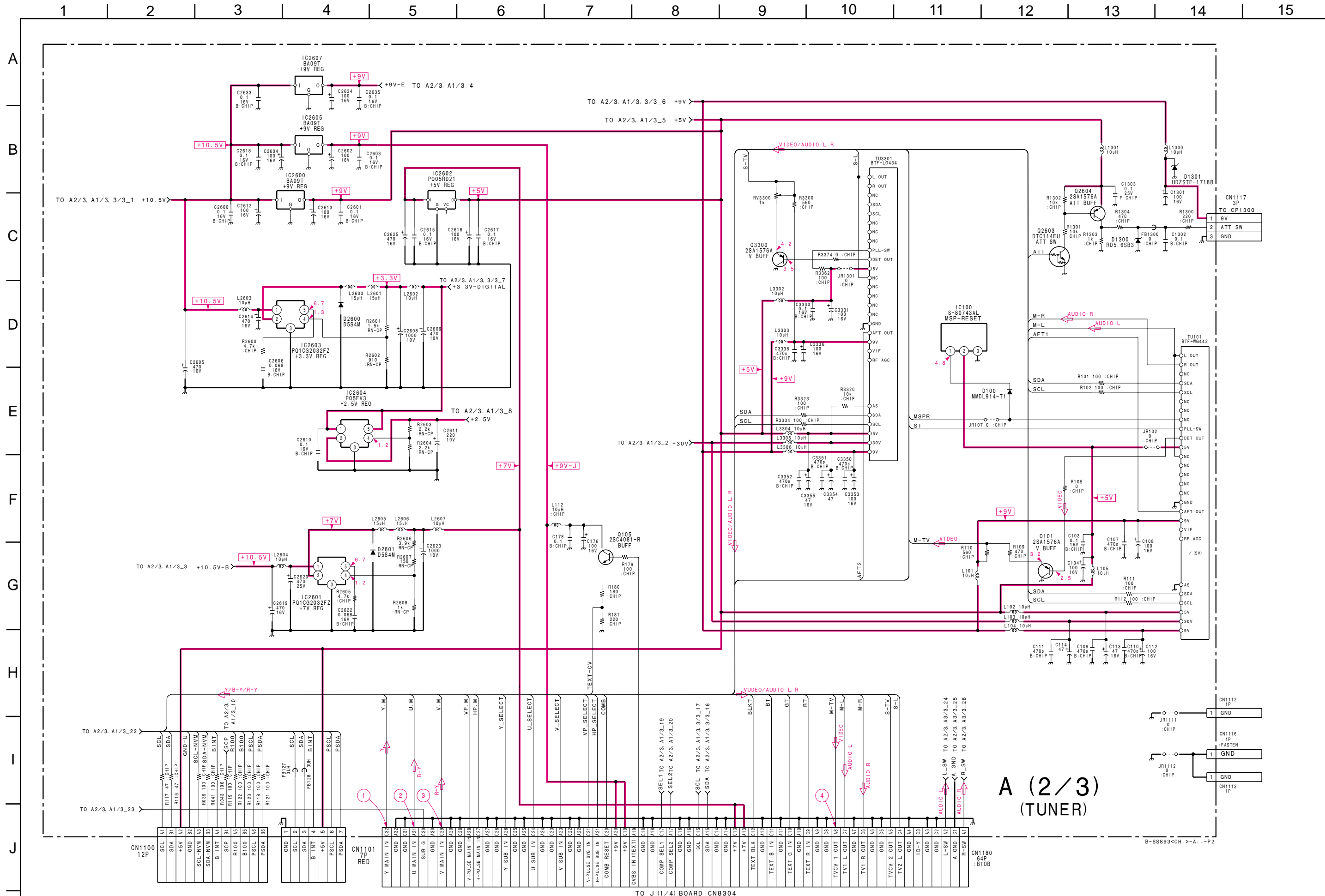
(Chip semiconductors that are not actually used are included.)

Ver.1.5

(1) A Board

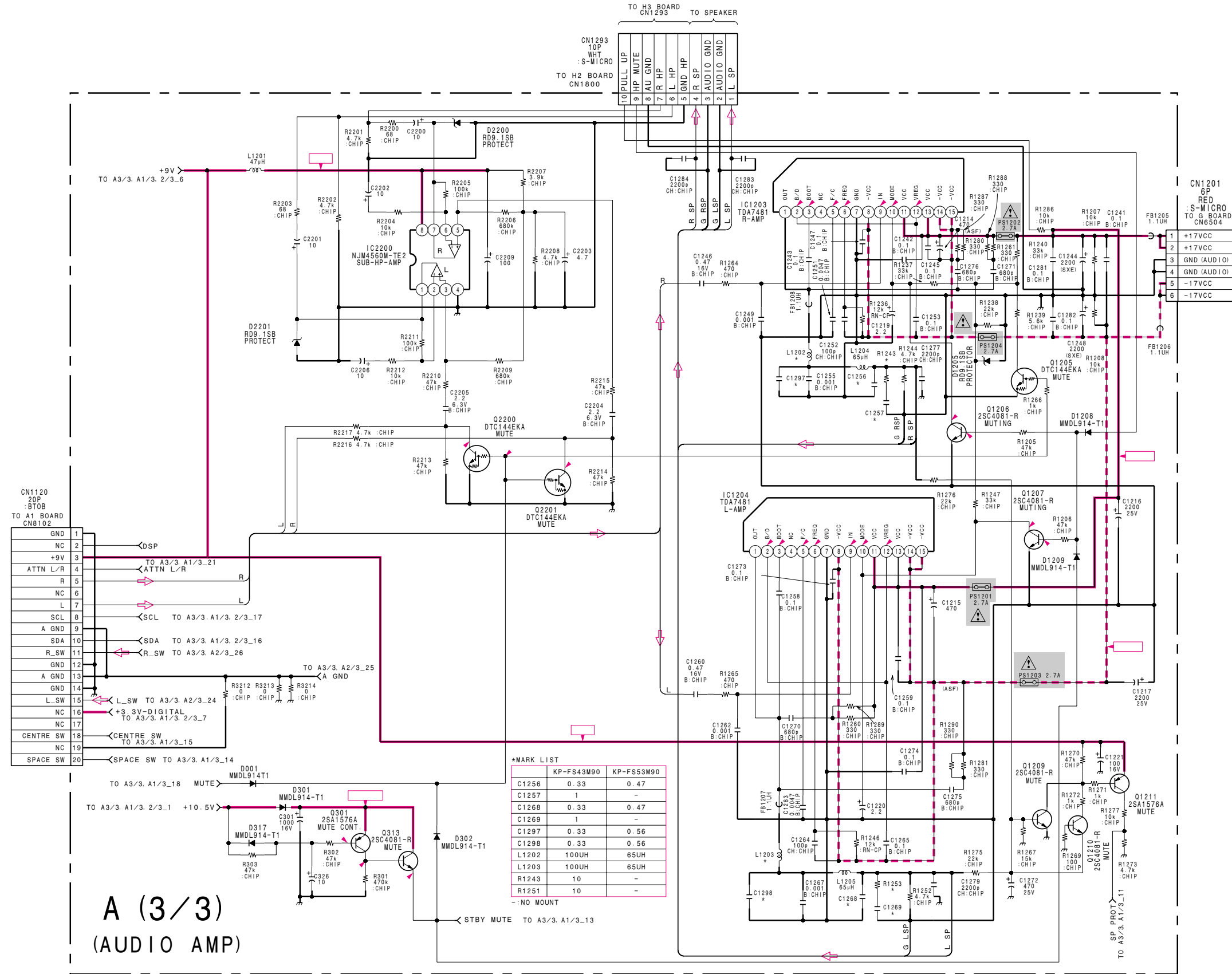


A (1/3)
(SYSTEM CONTROL)



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

A
B
C
D
E
F
G
H
I
J
K



CN1120
20P
:BT0B
TO A1 BOARD
CN8102

GND	1
NC	2
+9V	3
ATTN L/R	4
R	5
NC	6
L	7
SCL	8
A GND	9
SDA	10
R_SW	11
GND	12
A GND	13
GND	14
L_SW	15
NC	16
NC	17
CENTRE SW	18
NC	19
SPACE SW	20

*MARK LIST

	KP-FS43M90	KP-FS53M90
C1256	0.33	0.47
C1257	1	-
C1268	0.33	0.47
C1269	1	-
C1297	0.33	0.56
C1298	0.33	0.56
L1202	100UH	65UH
L1203	100UH	65UH
R1243	10	-
R1251	10	-

--:NO MOUNT

A (3/3)
(AUDIO AMP)

B-SS893<CH.>-A...P3

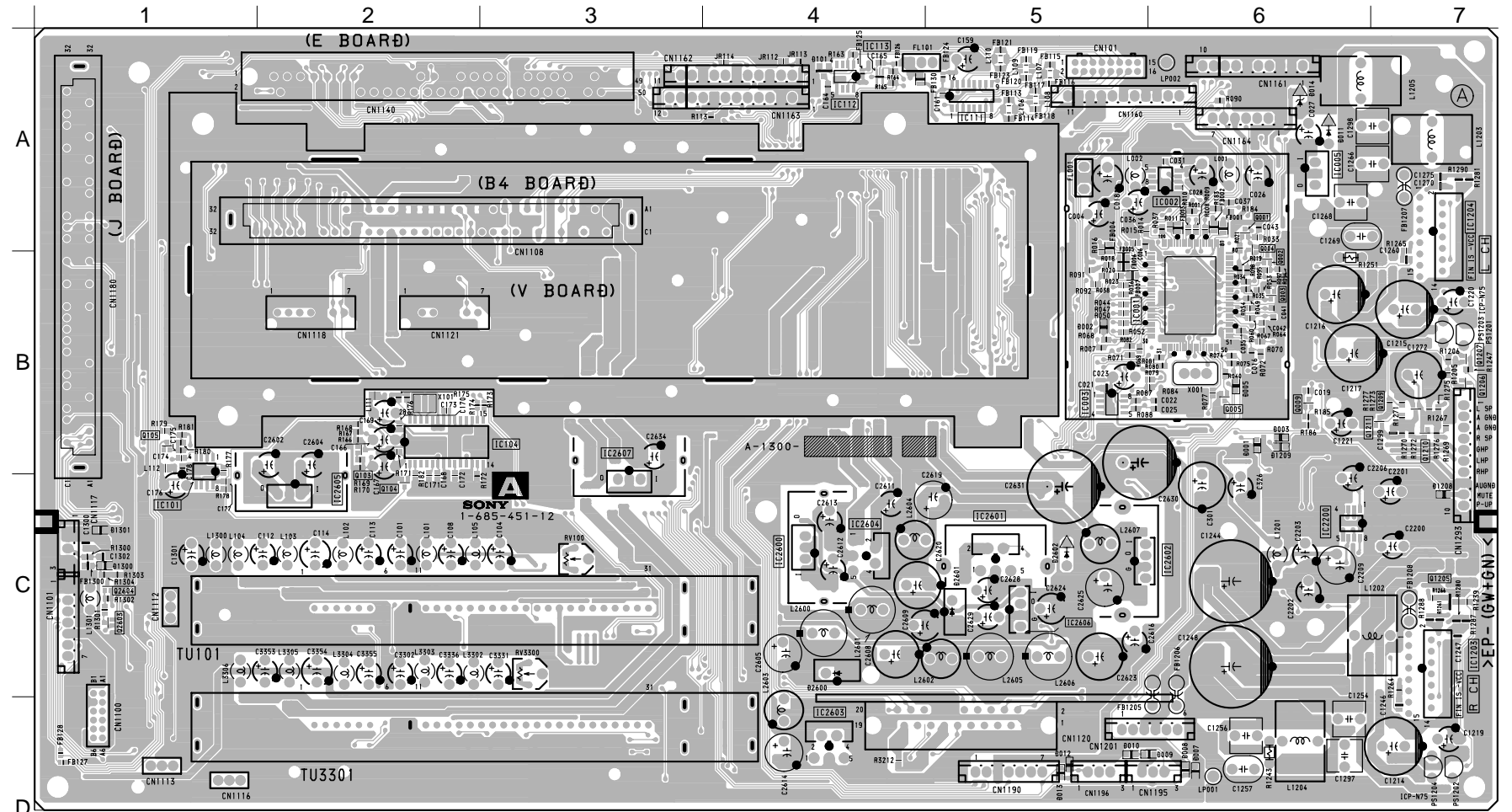
A [SYSTEM CONTROL, AUDIO AMP, TUNER]

• A BOARD SEMICONDUCTOR LOCATION

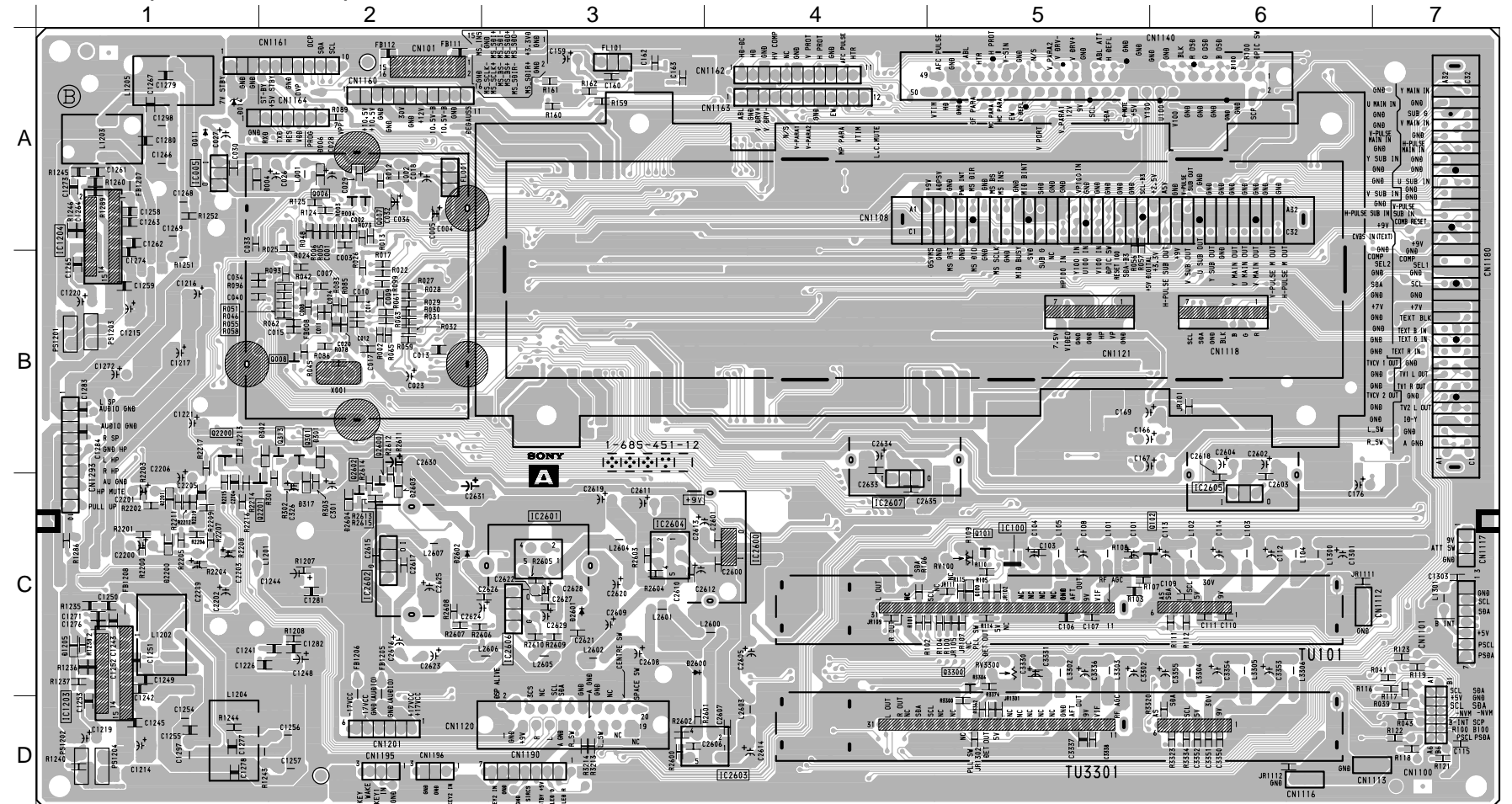
IC		Q1207 B-7	②
(Component Side)	(Conductor Side)	Q1209 B-7	②
IC001 A-6	A-1	Q1210 C-7	②
IC002 A-6	B-1	Q1211 C-7	②
IC003 B-6		Q2200 C-1	①
IC005 A-7		Q2201 C-2	①
IC100 C-5		Q2603 D-1	②
IC1203 D-1		Q2604 C-1	②
IC1204 B-7		Q3300 D-5	①
IC2200 C-7		DIODE	
IC2600 C-4	C-4	(Component Side)	(Conductor Side)
IC2601 C-5	C-3		*
IC2602 C-6	C-2	D001 C-6	③
IC2603 D-4	D-4	D002 A-6	③
IC2604 C-5	C-4	D003 C-6	③
IC2605 C-1	C-6	D004 A-2	③
IC2607 C-3	C-5	D007 D-6	③
TRANSISTER		D009 D-6	③
(Component Side)	(Conductor Side)	D011 A-7	A-1
	*	D013 D-5	D-3
Q001 B-6	②	D014 A-7	A-1
Q002 B-6	②	D100 C-5	③
Q003 B-6	②	D301 C-2	③
Q004 B-6	②	D302 C-2	③
Q005 B-6	②	D1205 D-1	③
Q006 A-2	①	D1208 C-7	③
Q007 A-2	①	D1209 C-6	③
Q008 B-2	①	D1300 C-1	③
Q009 B-7	②	D1301 C-1	③
Q101 C-5	①	D2200 C-1	③
Q105 C-1	②	D2201 C-1	③
Q301 C-2	①	D2600 D-4	D-4
Q313 C-2	①	D2601 C-5	C-3
Q1205 C-7	②	RV100 D-3	D-5
Q1206 B-7	②	RV3300 C-3	C-5

*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 80)

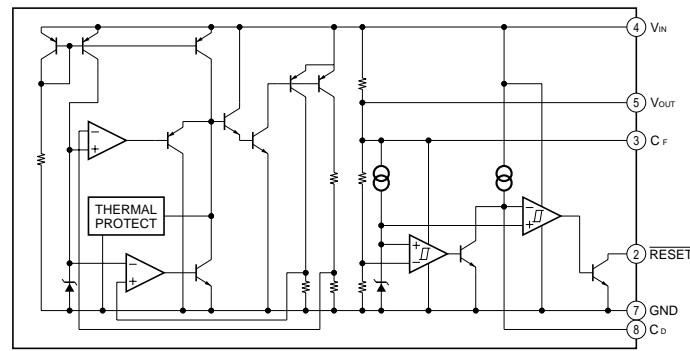
— A BOARD (COMPONENT SIDE) —



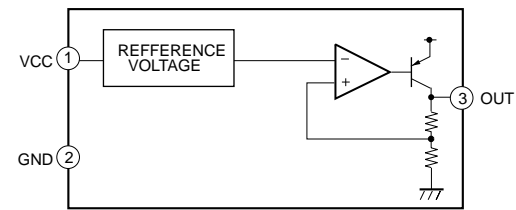
— A BOARD (CONDUCTOR SIDE) —



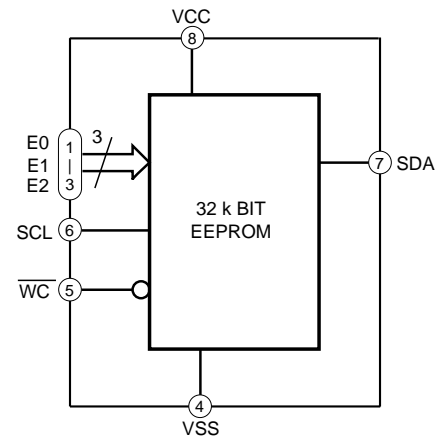
• A(1/3) BOARD IC002 : MM1482BFBE



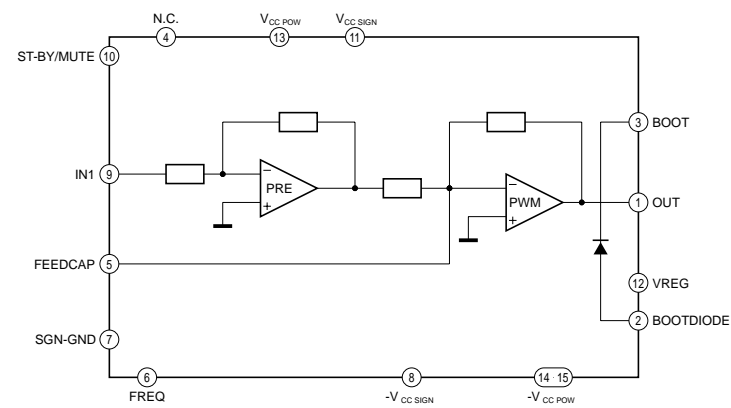
• A(1/3) BOARD IC005, 2600, 2605, 2607 : BA05FP



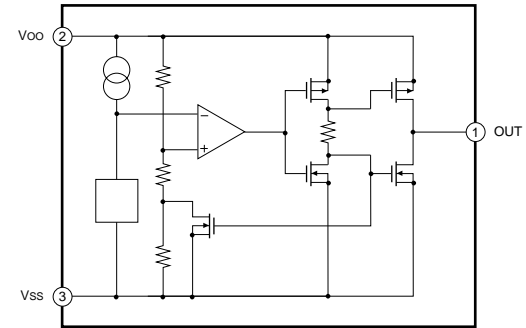
• A(1/3) BOARD IC003 : M24C32-WMN6T(A)



• A(3/3) BOARD IC1203, 1204 : TDA7481

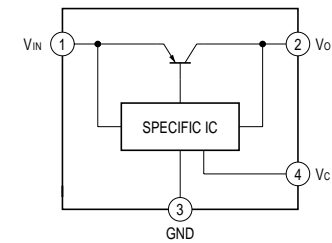


• A(2/3) BOARD IC100 : S-80743AL-A7-T1

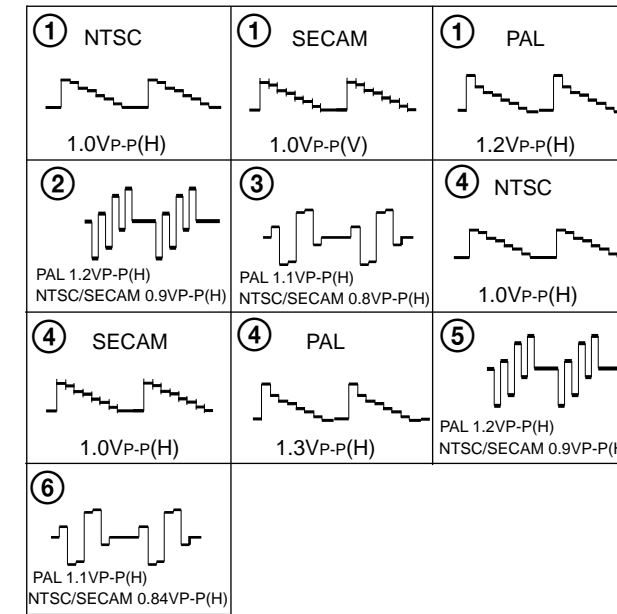


• A(2/3) BOARD IC2602 : PQ05RD1B

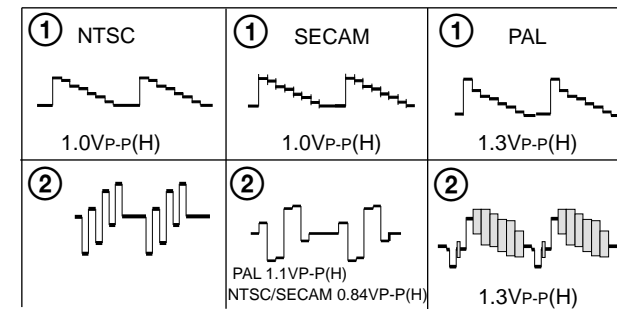
• A(2/3) BOARD IC2604 : PQ5EV3



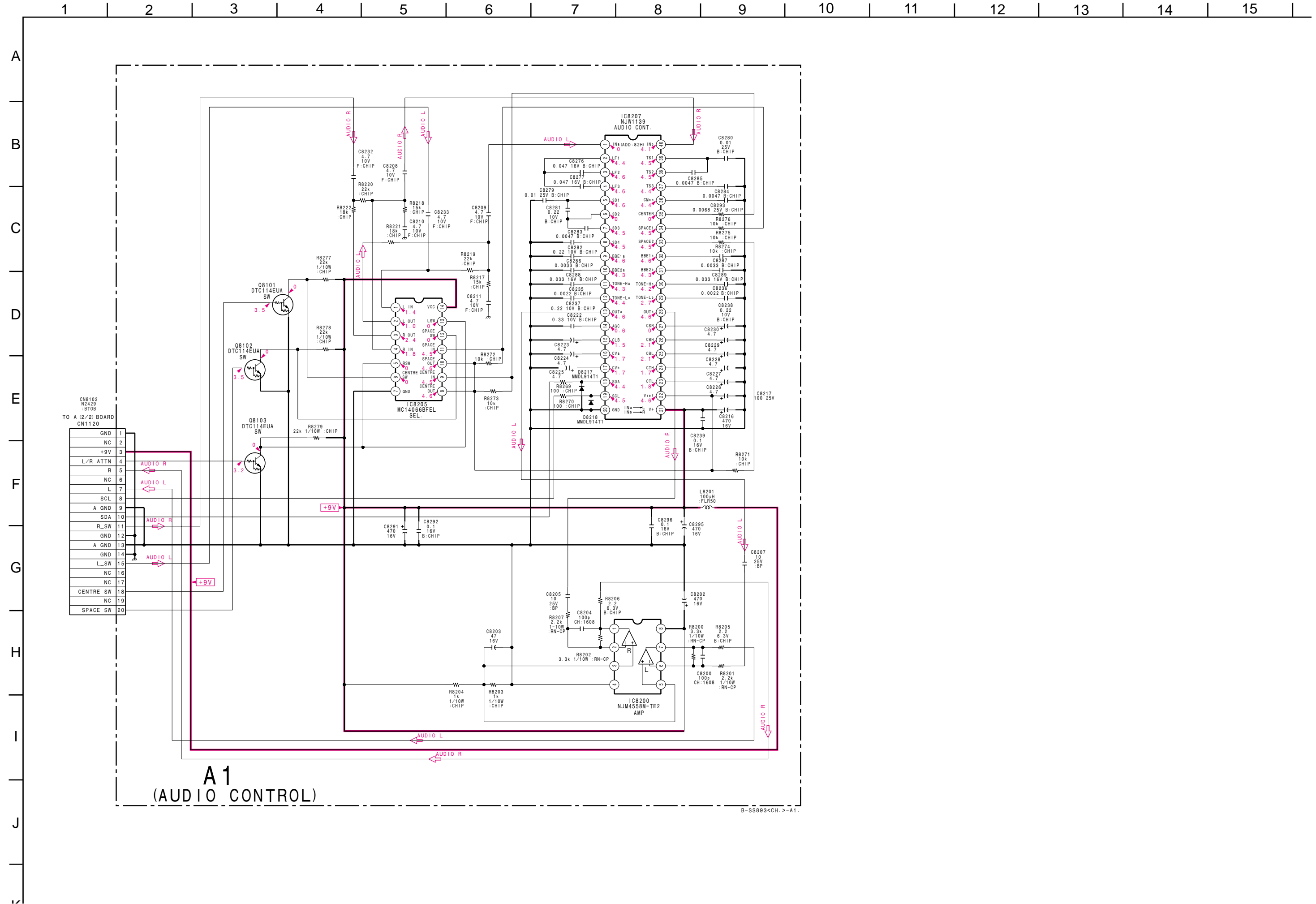
• A(1/3) BOARD WAVEFORMS



• A(2/3) BOARD WAVEFORMS

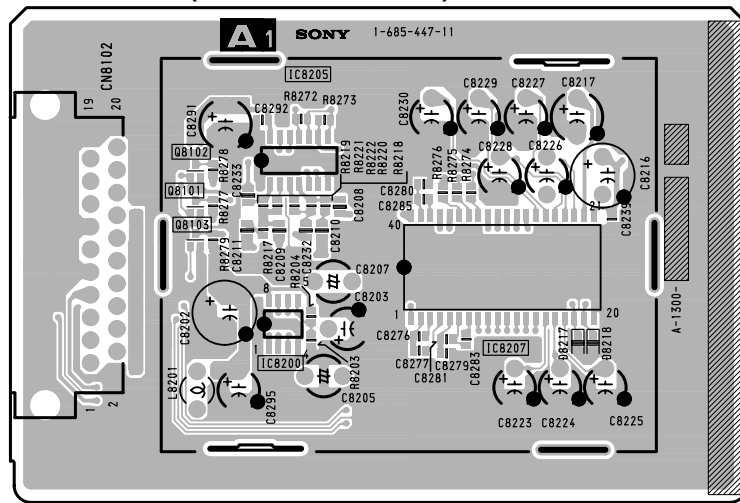


(2) A1 Board

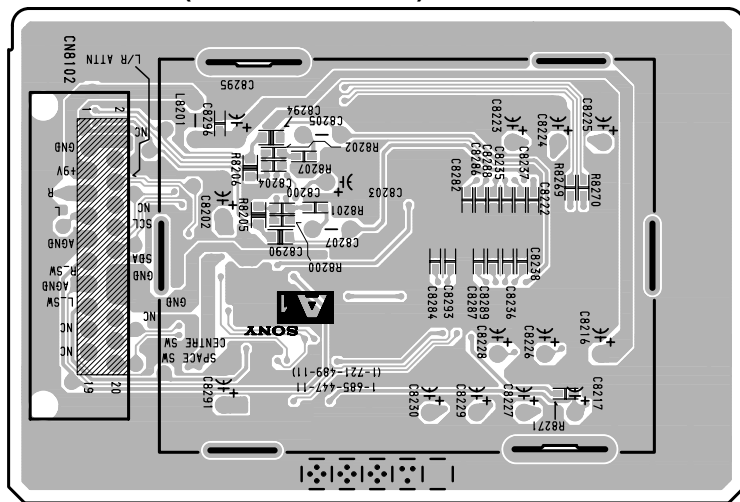


A1 [AUDIO CONTROL]

— A1 BOARD (COMPONENT SIDE) —



— A1 BOARD (CONDUCTOR SIDE) —

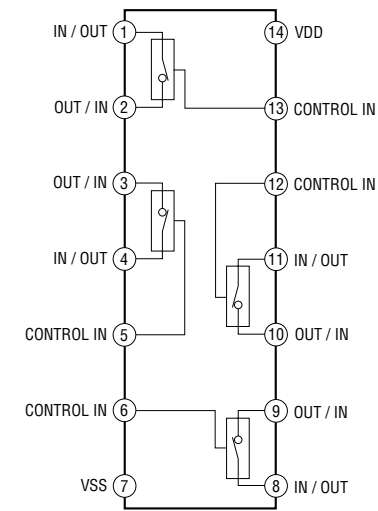


A1 BOARD
Terminal name of semiconductors
in silk screen printed circuit (*)

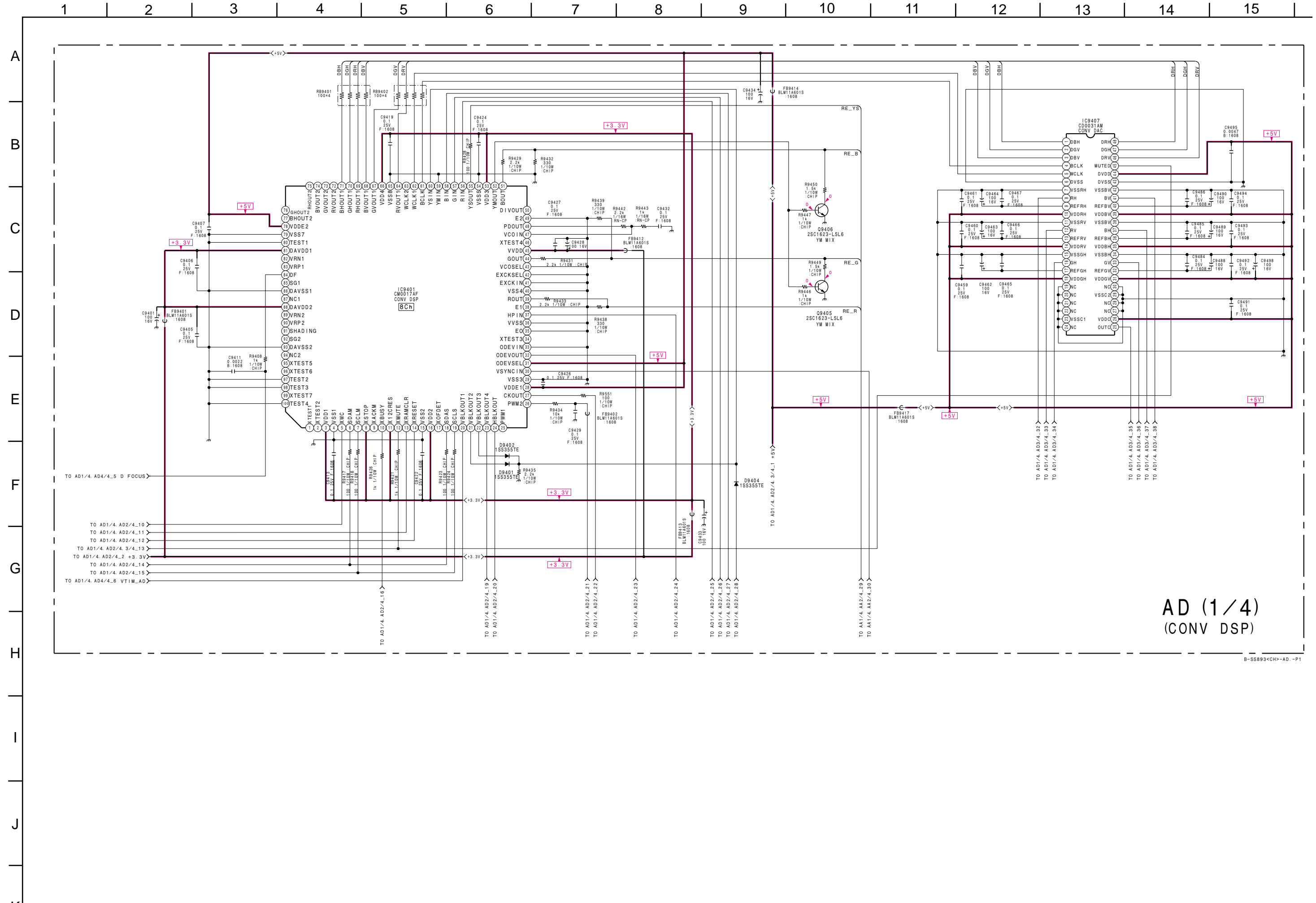
Ref.	*
D8217	②
Q8101-Q8103	②
Q8218	③

※: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 80)

• A1 BOARD IC8205 : MC14066BF

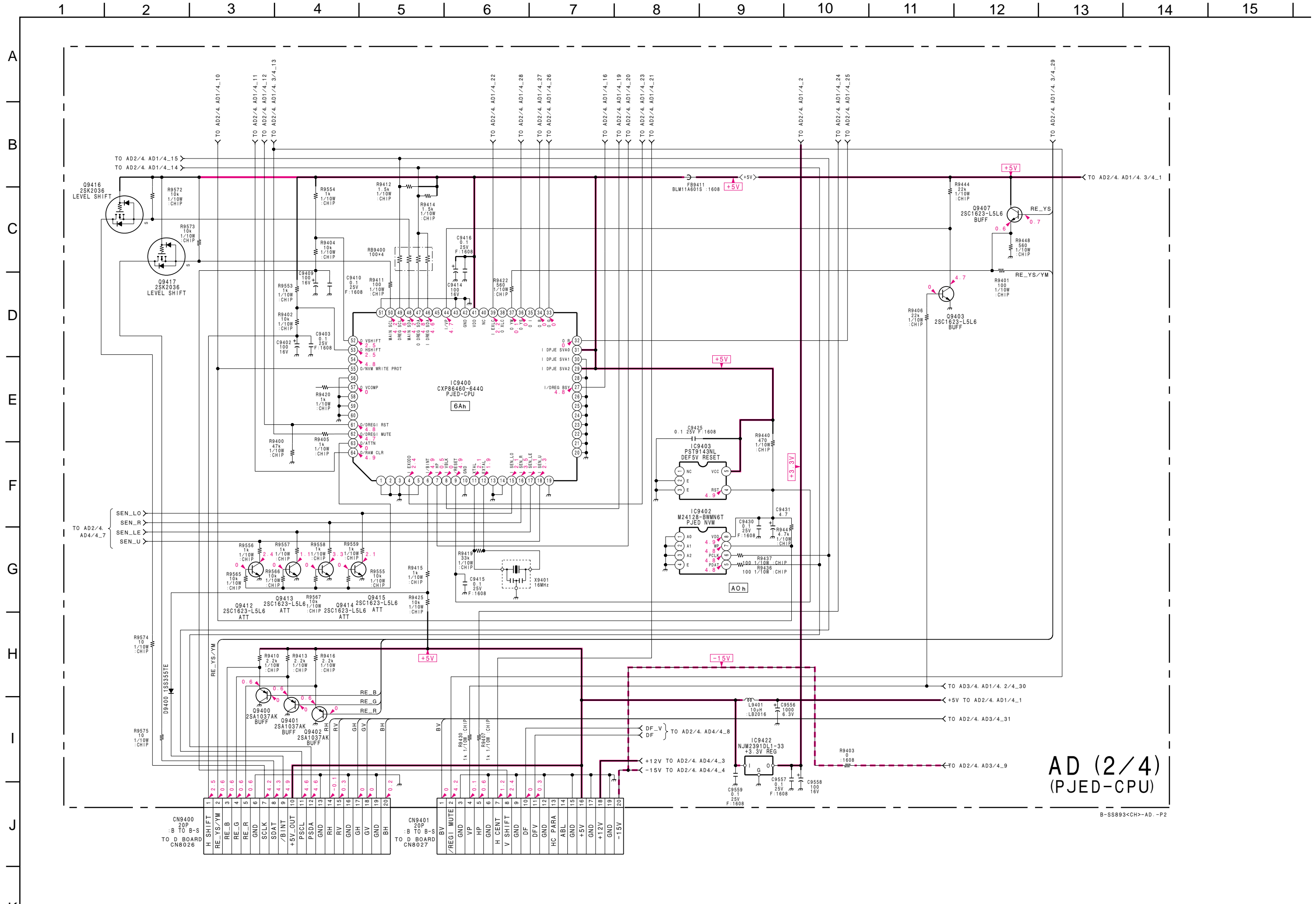


(3) AD Board



AD (1/4)
(CONV_DSP)

B-S5893<CH>-AD.-P1

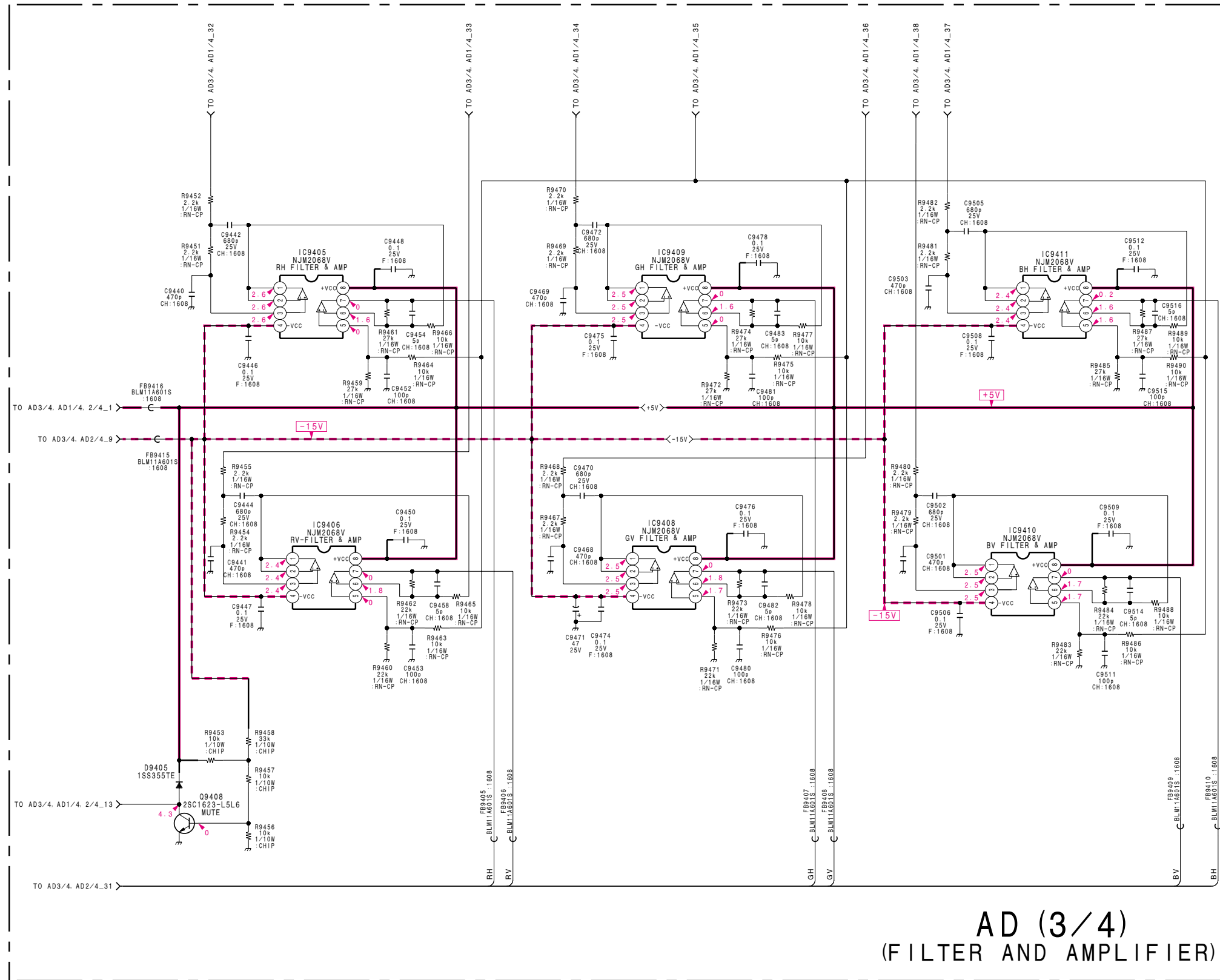


AD (2/4)
(PJED-CPU)

B-SS893<CH>-AD.-P2

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

A
B
C
D
E
F
G
H
I
J



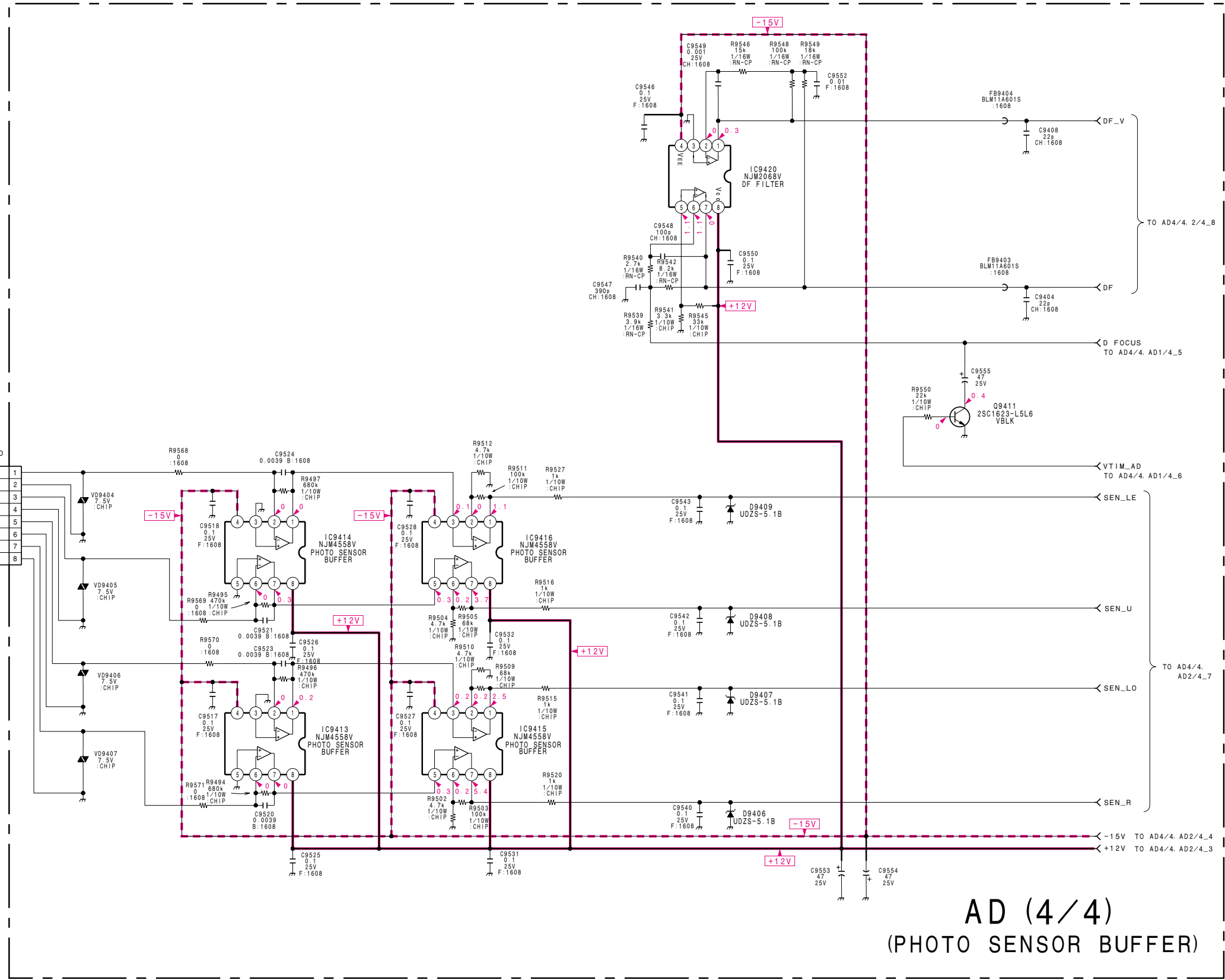
AD (3/4)
(FILTER AND AMPLIFIER)

B-SS893<CH>-AD.-P3

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

A
B
C
D
E
F
G
H
I
J

CN9402	8P	WHT
S-MICRO TO SR BOARD CN9901		
LEFT	1	
GND	2	
UPPER	3	
GND	4	
LOWER	5	
GND	6	
RIGHT	7	
GND	8	

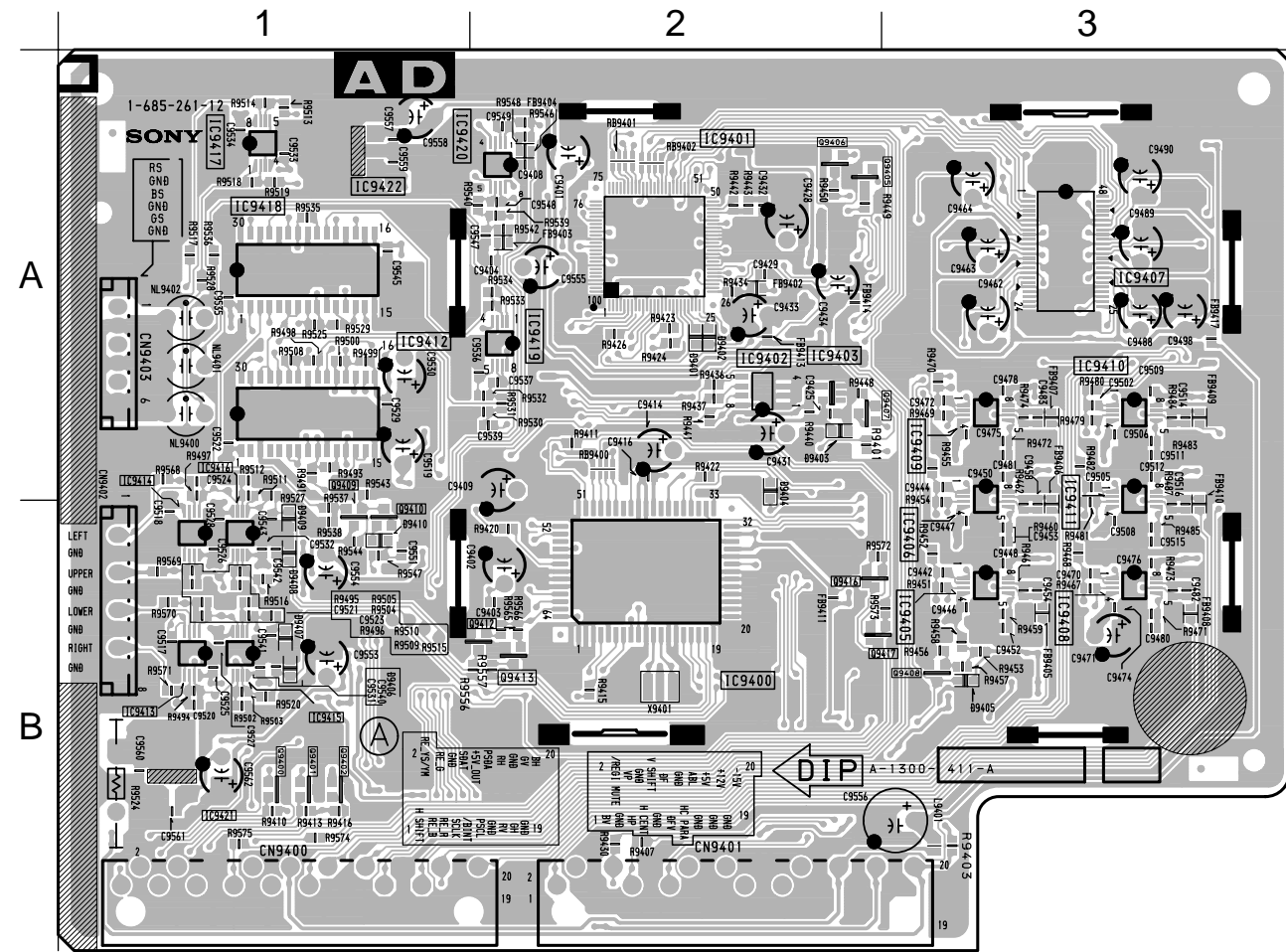


AD (4/4)
(PHOTO SENSOR BUFFER)

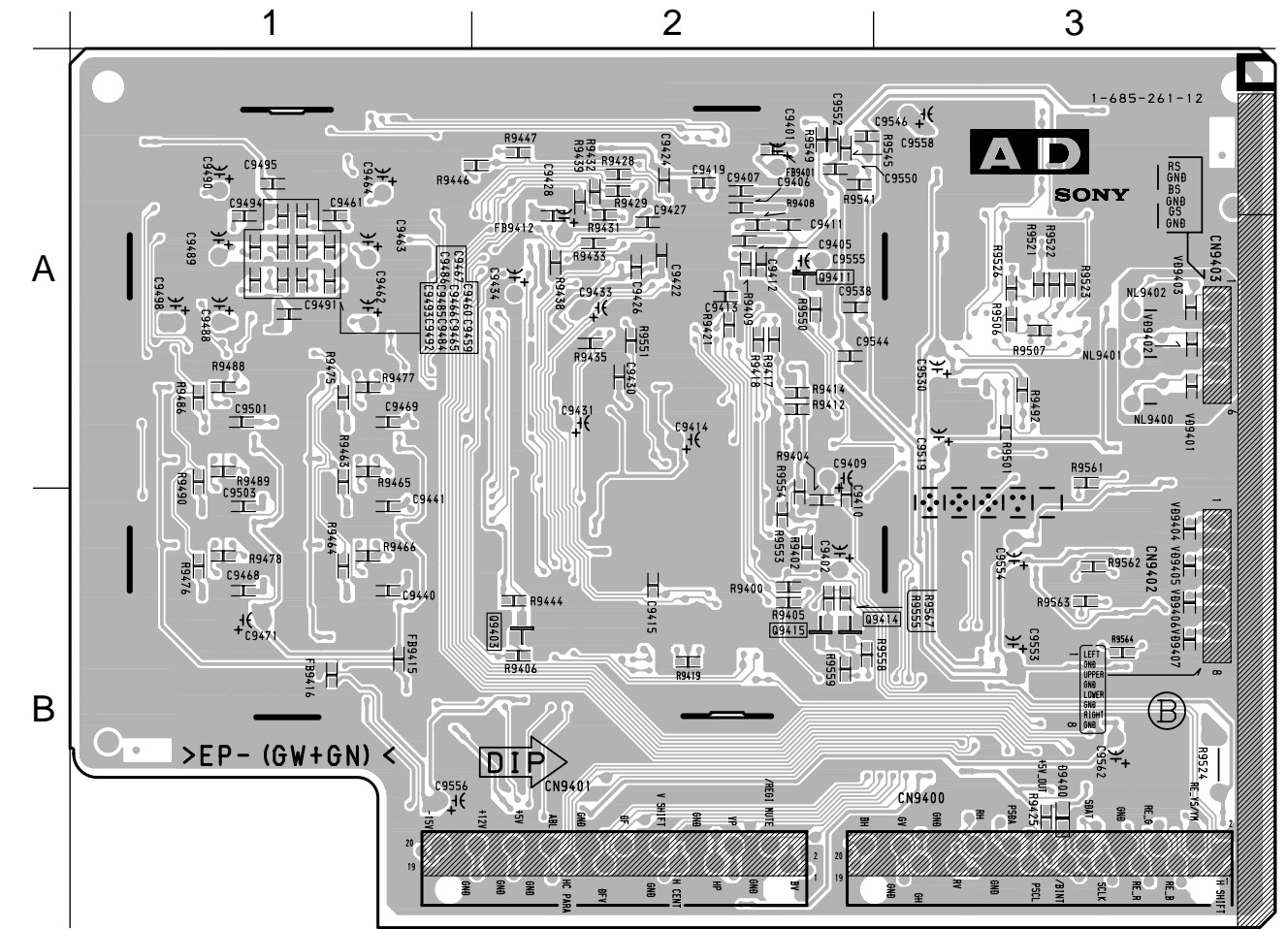
B-SS893<CH.>-AD.-P4

AD [CONV DSP, PJED-CPU, PHOTO SENSOR]

— AD BOARD (COMPONENT SIDE) —



— AD BOARD (CONDUCTOR SIDE) —

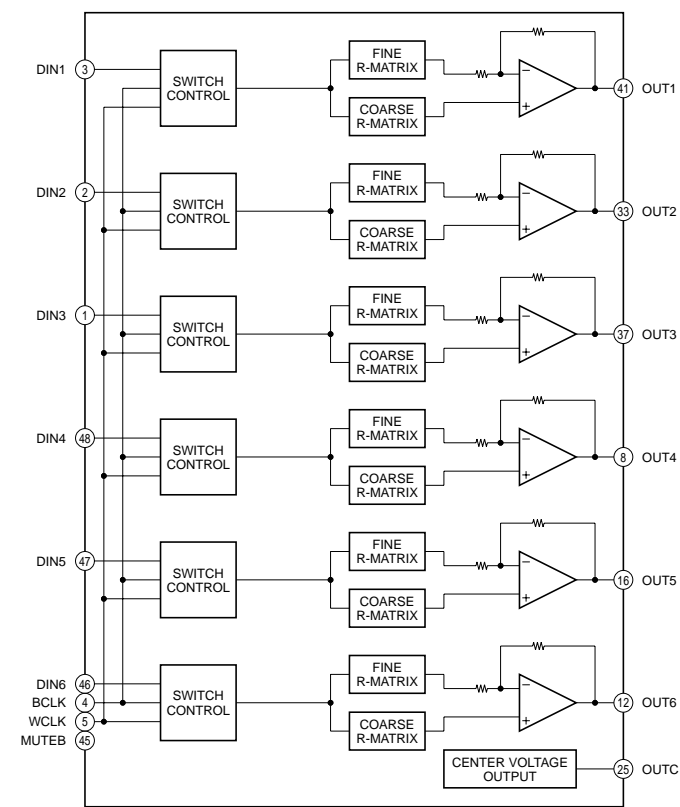


• AD BOARD SEMICONDUCTOR LOCATION

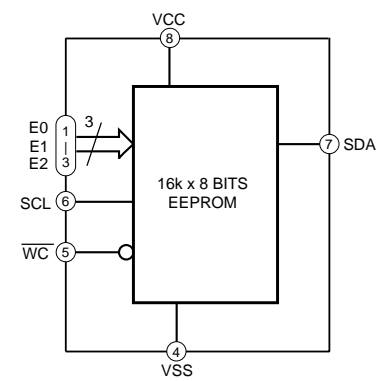
IC		TRANSISTOR		DIODE	
(Component Side)	(Conductor Side)	(Component Side)	(Conductor Side)	(Component Side)	(Conductor Side)
IC9400	B-2	Q9400	B-1	D9400	B-3
IC9401	A-2	Q9401	B-1	D9401	A-2
IC9402	A-2	Q9402	B-1	D9402	A-2
IC9403	A-2	Q9403	B-2	D9404	A-2
IC9405	B-3	Q9405	A-2	D9405	B-3
IC9406	A-3	Q9406	A-2	D9406	B-1
IC9407	A-3	Q9407	A-2	D9407	B-1
IC9408	B-3	Q9408	B-3	D9408	B-1
IC9409	A-3	Q9411	A-2	D9409	B-1
IC9410	A-3	Q9412	B-2		
IC9411	A-3	Q9413	B-2		
IC9413	B-1	Q9414	B-2		
IC9414	B-1	Q9415	B-2		
IC9415	B-1	Q9416	B-2		
IC9416	B-1	Q9417	B-2		
IC9420	A-2				
IC9422	A-1				

*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 80)

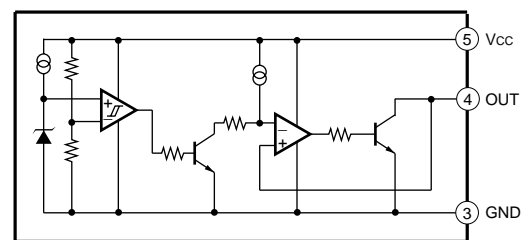
• AD(1/4) BOARD IC9407 : CD0031AM



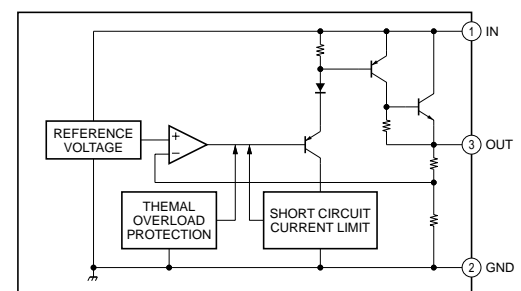
• AD(2/4) BOARD IC9402 : M24128-BWMN6T



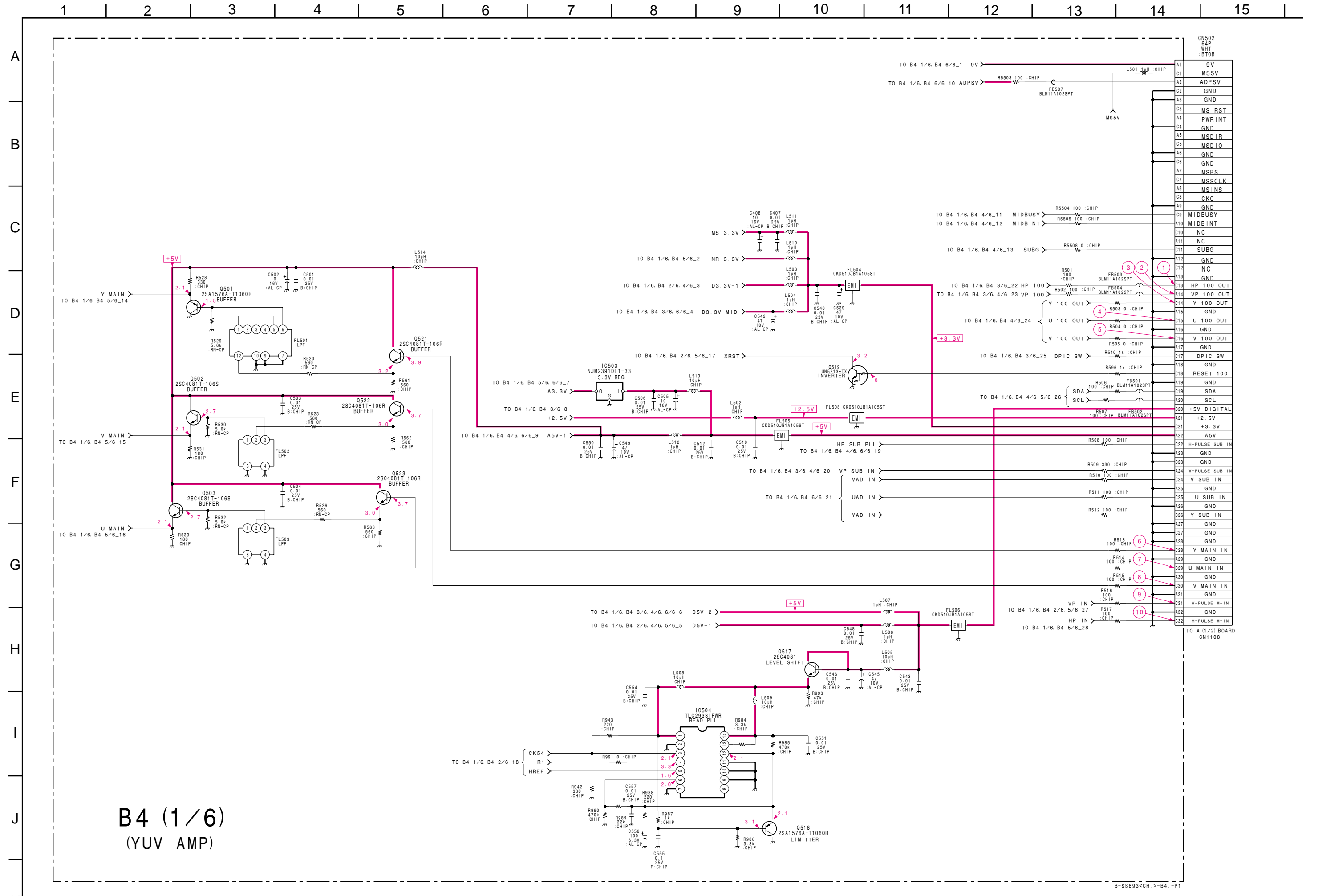
• AD(2/4) BOARD IC9403 : PST9143NL



• AD(2/4) BOARD IC9422 : NJM2391DL1-33(Te1)



(4) B4 Board

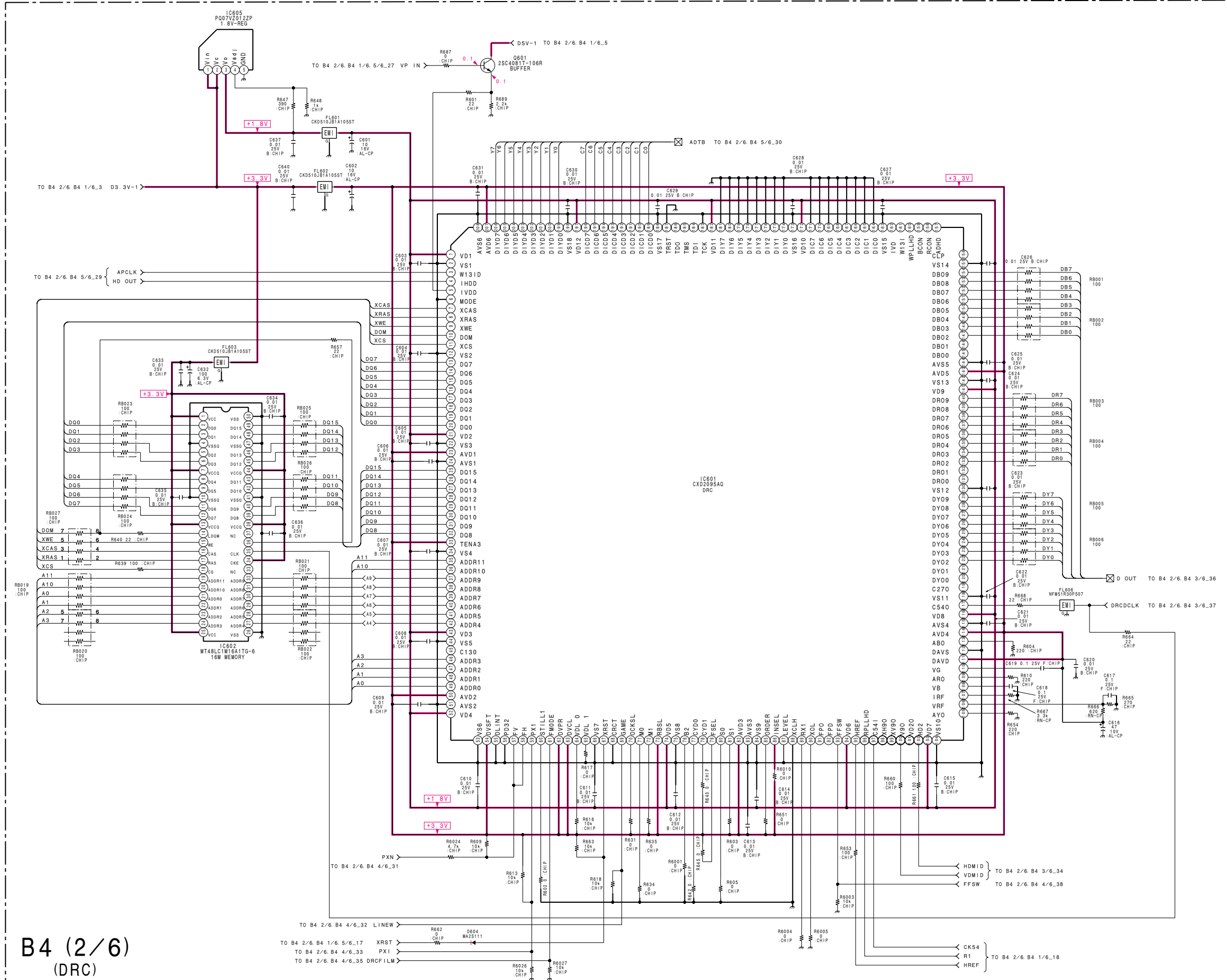


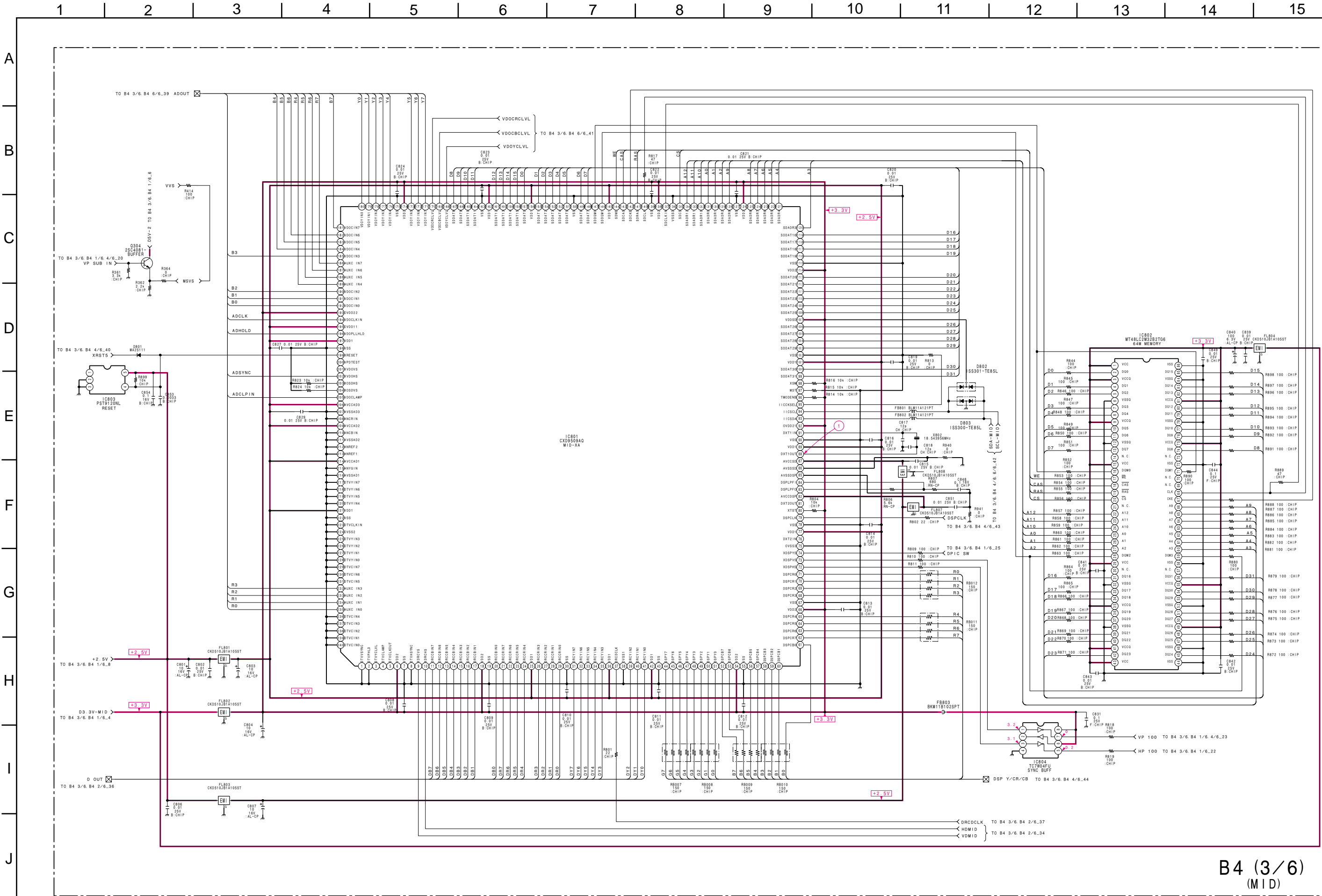
B-S5893<CH.>-B4 -P1

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

A
B
C
D
E
F
G
H
I
J

B4 (2/6)
(DRC)

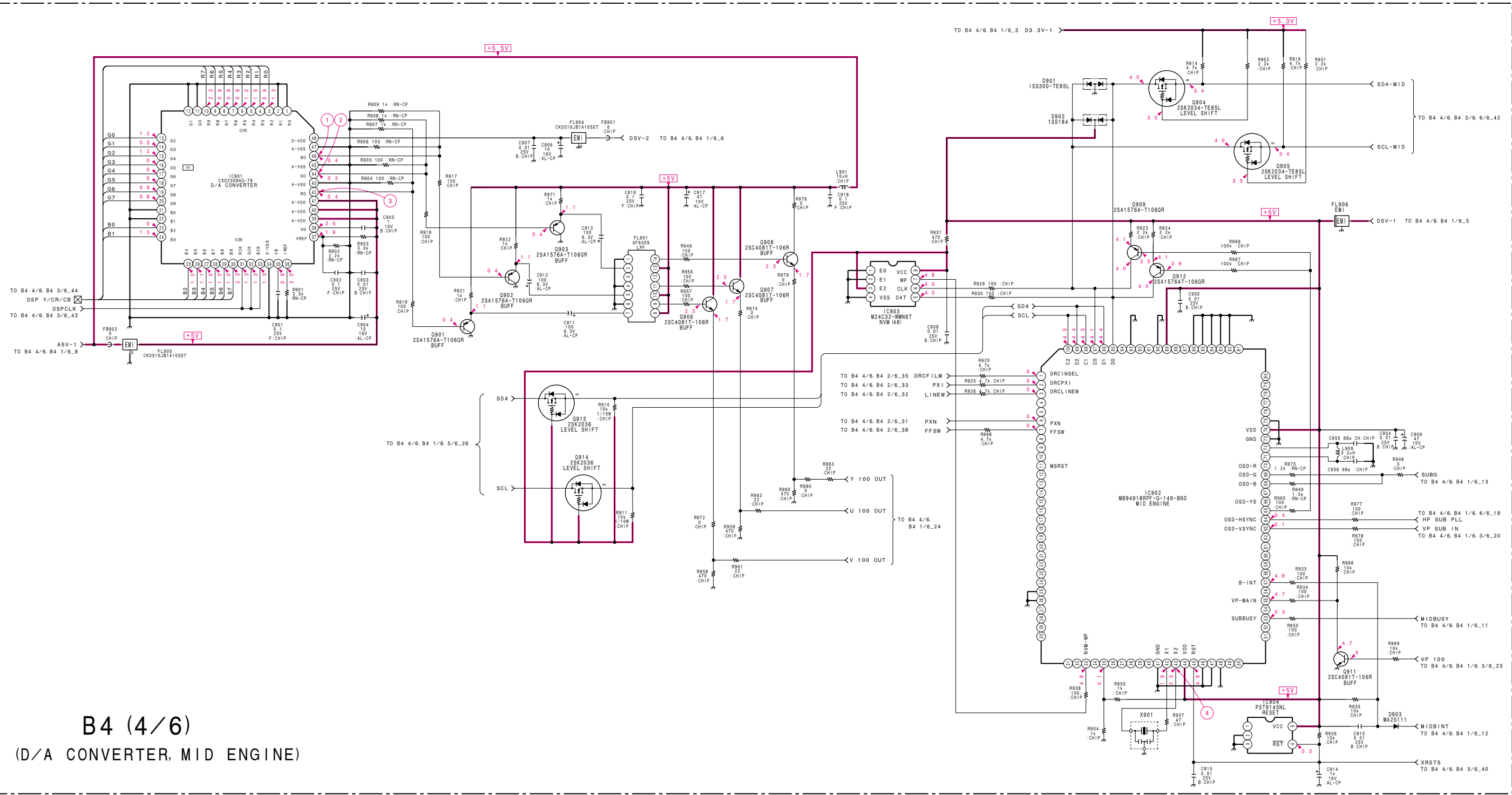




B4 (3/6)
(MID)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

A
B
C
D
E
F
G
H
I
J

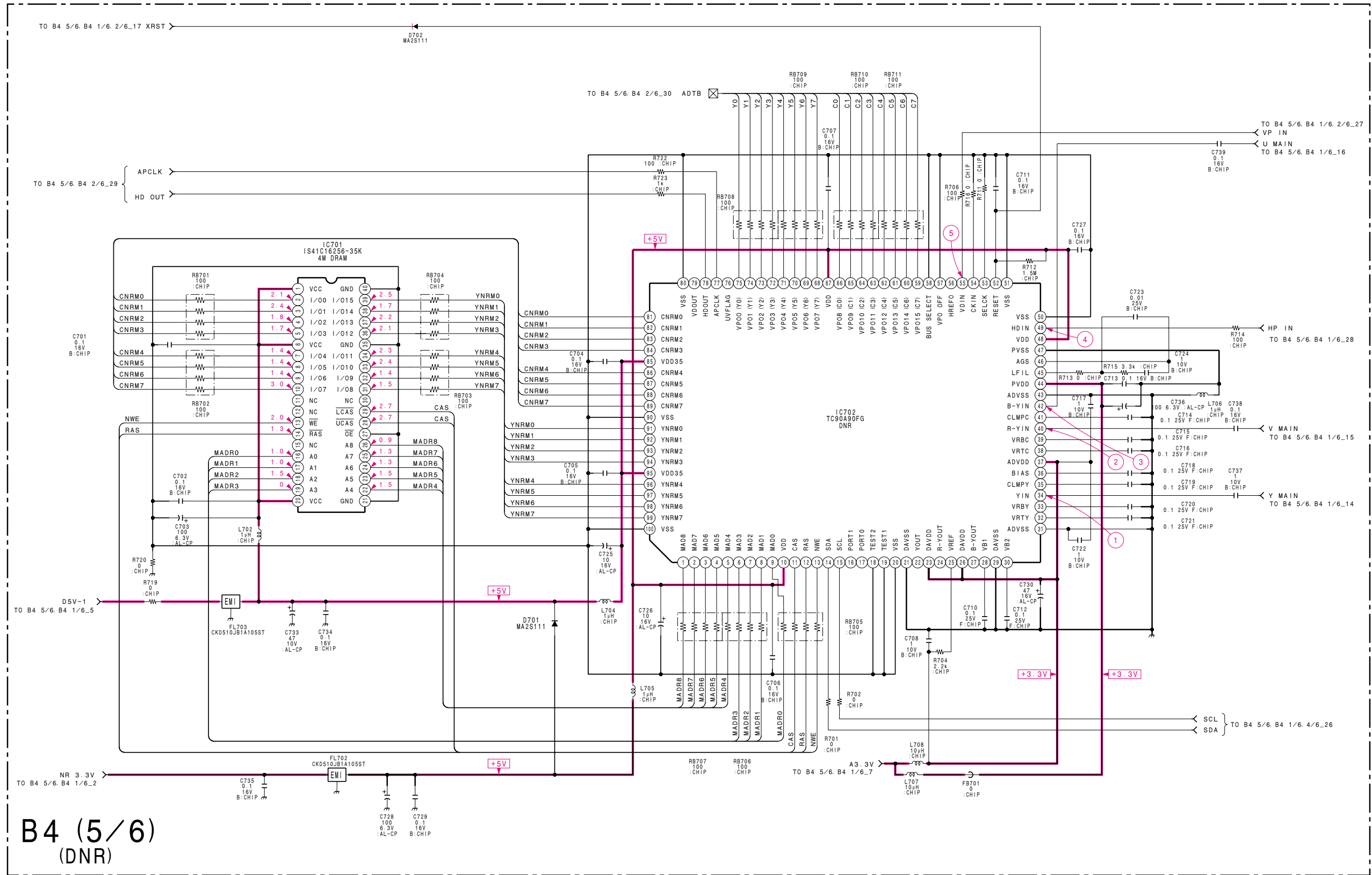


B4 (4/6)
(D/A CONVERTER, MID ENGINE)

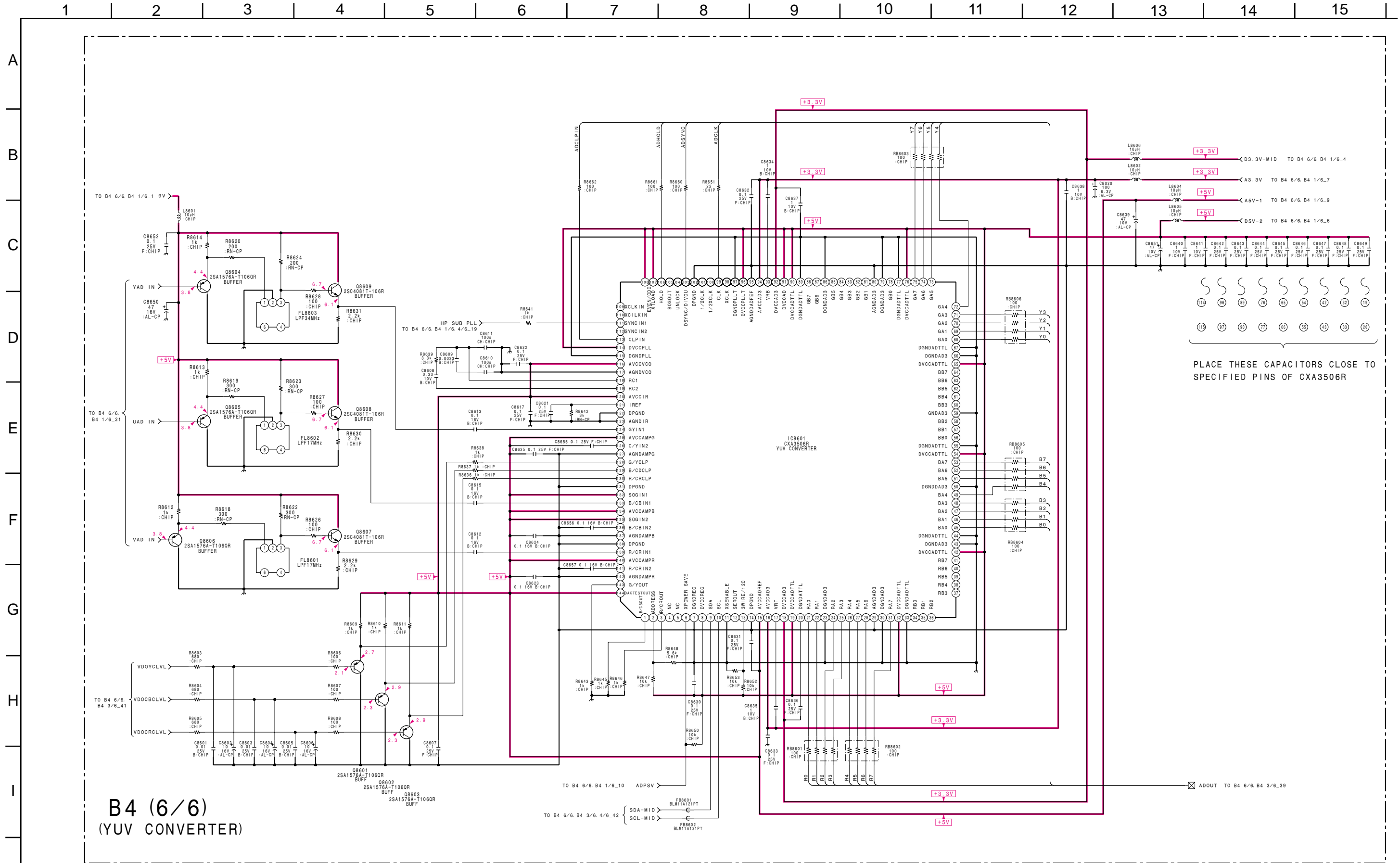
B-S893CH>B4-P4

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

A
B
C
D
E
F
G
H
I
J



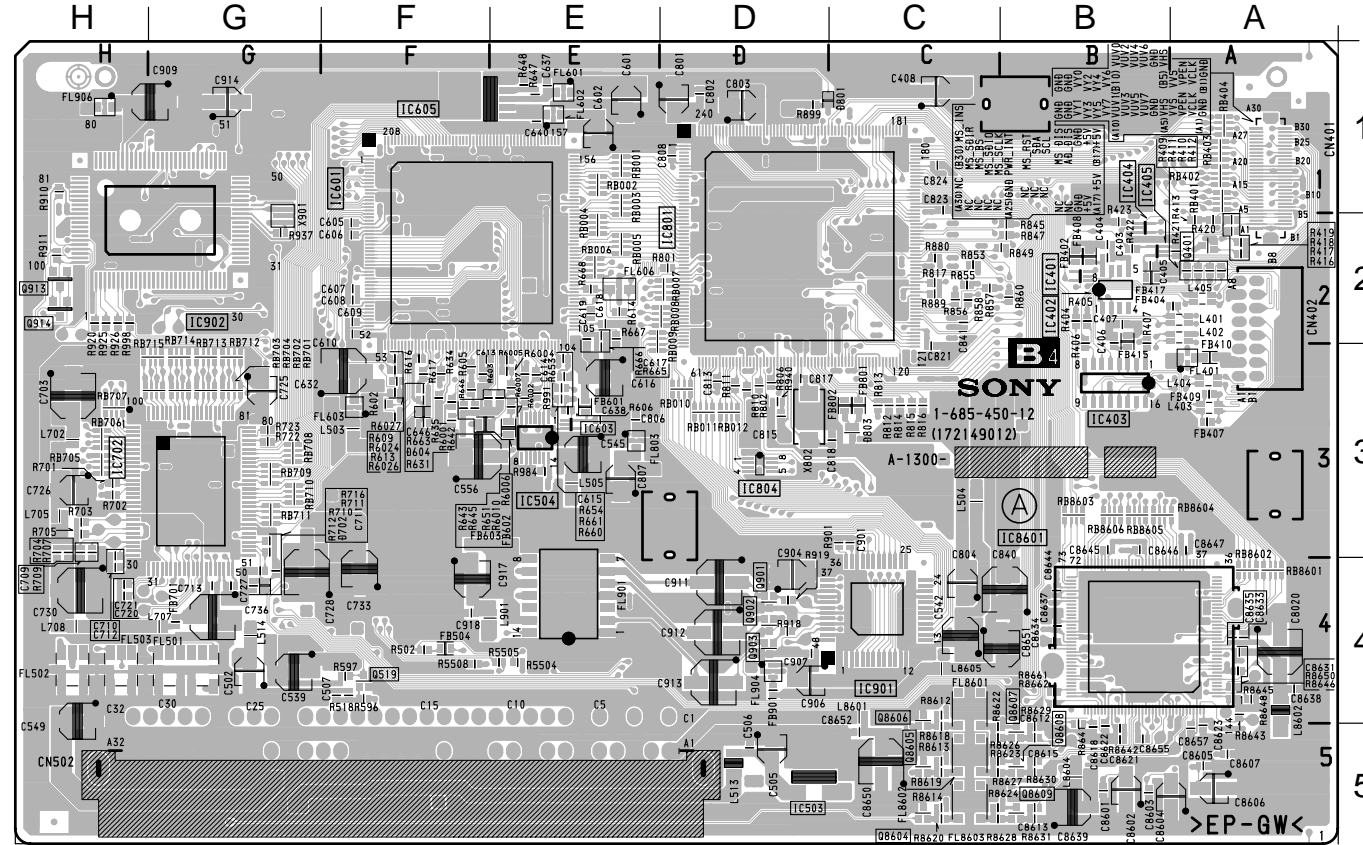
B-SS893<CH>-B4.-P5



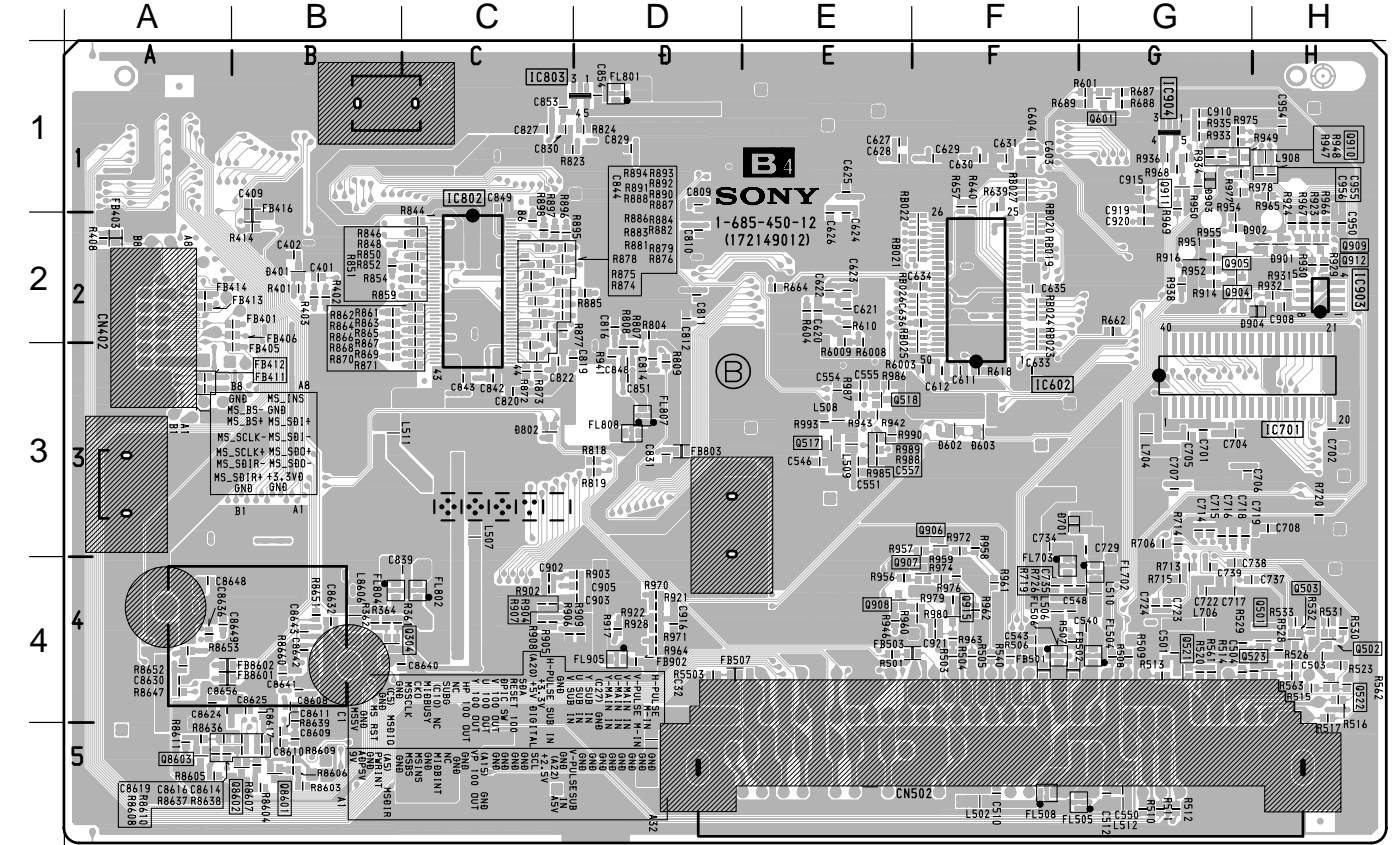
B4 (6/6)
(YUV CONVERTER)

B4 [YUV AMP, YUV CON., VDRC, MID, D/A CONV., MID ENGINE, DNR]

— B4 BOARD (COMPONENT SIDE) —



— B4 BOARD (CODUCTOR SIDE) —

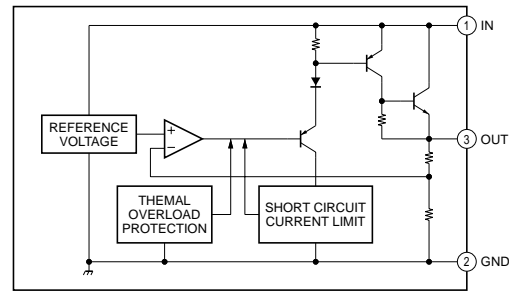


• B4 BOARD SEMICONDUCTOR LOCATION

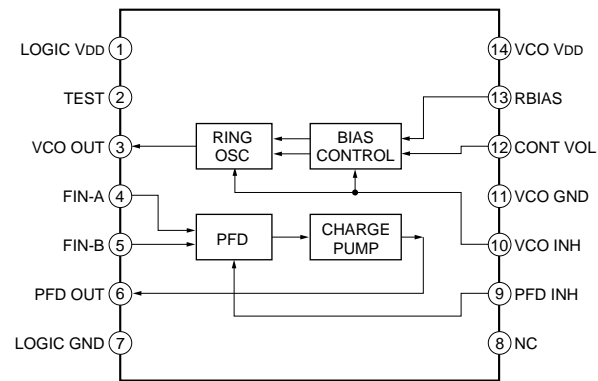
IC	Q901	D-4	②
(Component Side) (Conductor Side)	Q902	D-4	②
	Q903	D-4	②
IC503	Q904	H-2	②
IC504	Q905	H-2	②
IC601	Q906	F-4	②
IC602	Q907	F-4	②
IC605	Q908	E-4	②
IC701	Q909	H-2	②
IC702	Q911	G-1	②
IC801	Q912	H-2	②
IC802	Q913	H-2	②
IC803	Q914	H-2	②
IC804	Q8601	B-5	②
IC901	Q8602	B-5	②
IC902	Q8603	A-5	②
IC903	Q8604	C-5	②
IC904	Q8605	C-5	②
IC8601	Q8606	C-5	②
	Q8607	B-5	②
	Q8608	B-5	②
	Q8609	B-5	②
TRANSISTOR			
(Component Side) (Conductor Side) *			
Q304	B-4	②	
Q501	H-4	②	
Q502	H-4	②	
Q503	H-4	②	
Q517	E-3	②	
Q518	E-3	②	
Q519	F-4	②	
Q521	G-4	②	
Q522	H-4	②	
Q523	H-4	②	
Q601	G-1	②	
	DIODE		
	(Component Side) (Conductor Side) *		
	D604	F-3	③
	D701	F-3	③
	D801	C-1	③
	D802	C-3	③
	D803	C-3	③
	D901	H-2	③
	D902	H-2	③
	D903	G-1	③

*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 80)

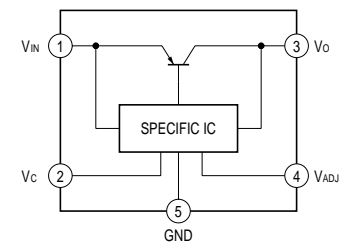
• B4(1/6) BOARD IC503 : NJM2391DL1-33(TE1)



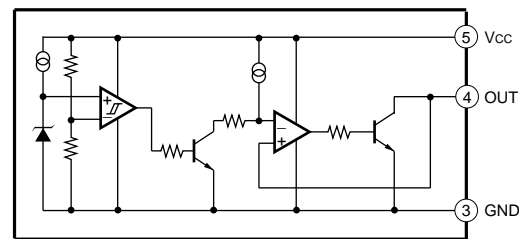
• B4(1/6) BOARD IC504 : TLC2933IPWR



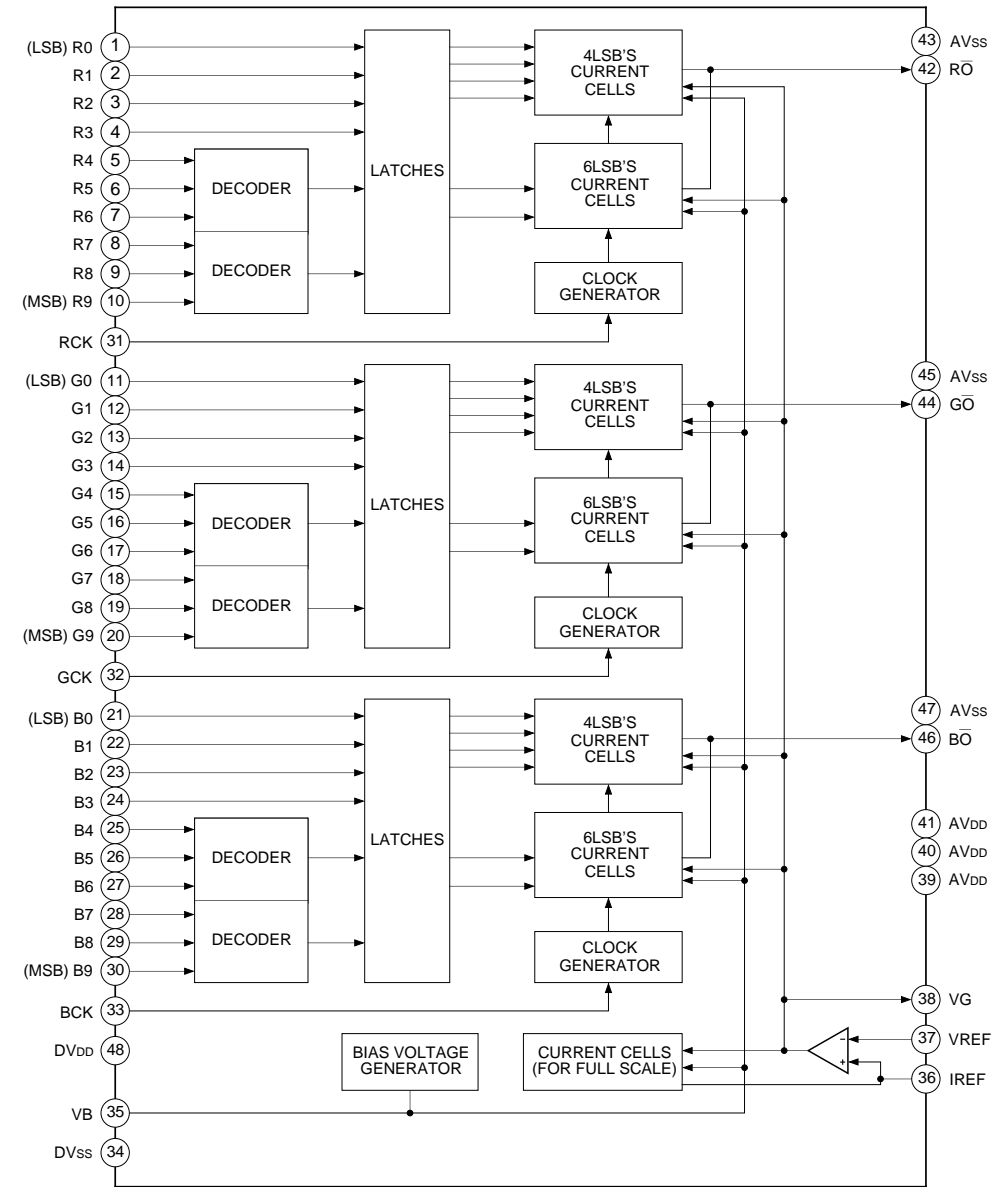
• B4(2/6) BOARD IC605 : PQ070XZ01ZP



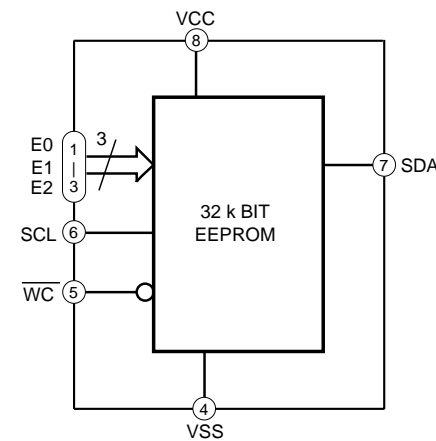
• B4(3/6) BOARD IC803, 903 : PST9143NL



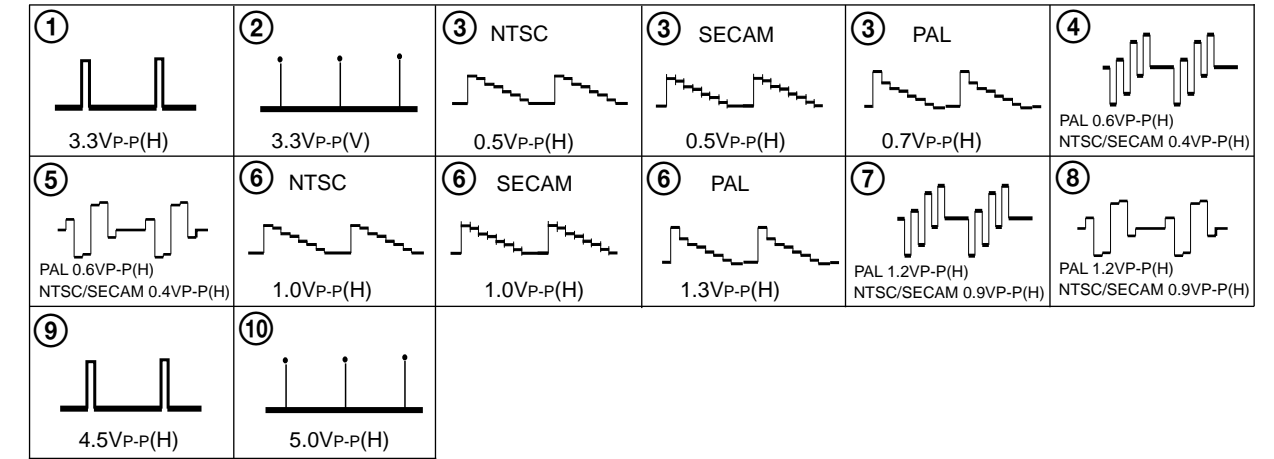
• B4(4/6) BOARD IC901 : CXD2309



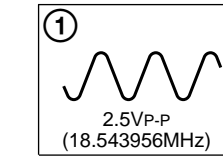
• B4(4/6) BOARD IC903 : MC24C32-WMN6T(A)



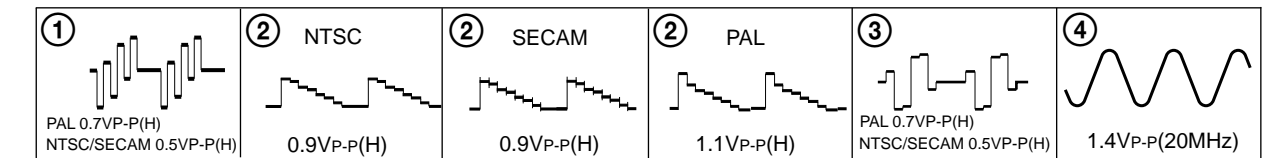
•B4(1/6)BOARD WAVEFORMS



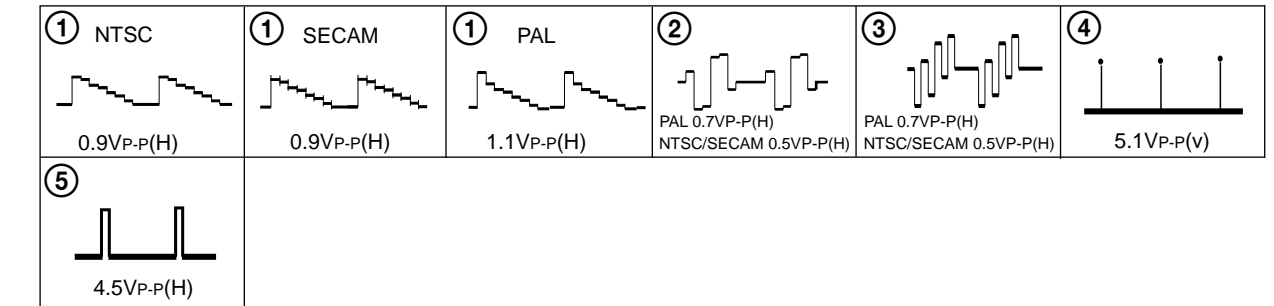
•B4(3/6)BOARD WAVEFORM



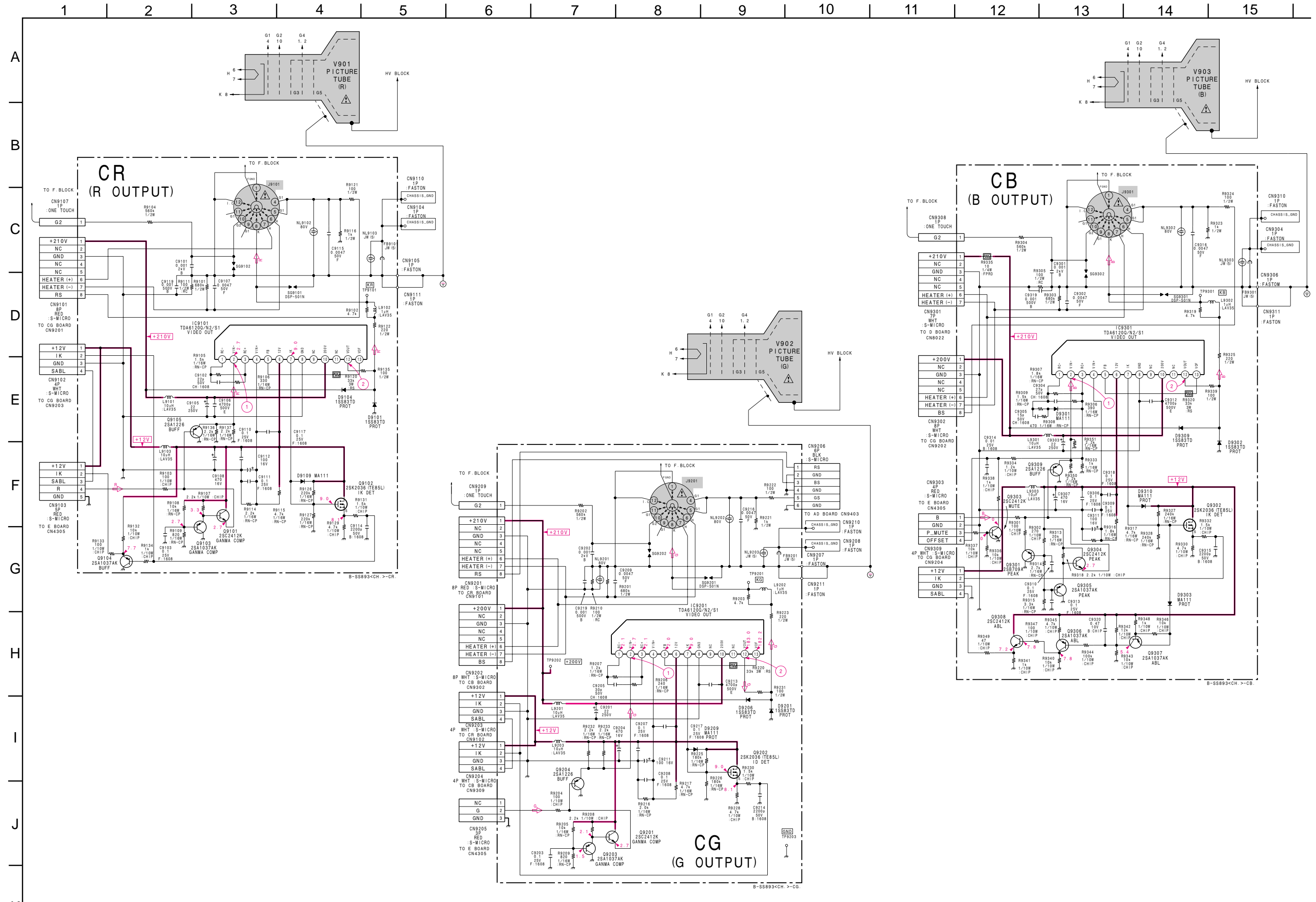
•B4(4/6)BOARD WAVEFORMS



•B4(5/6)BOARD WAVEFORMS

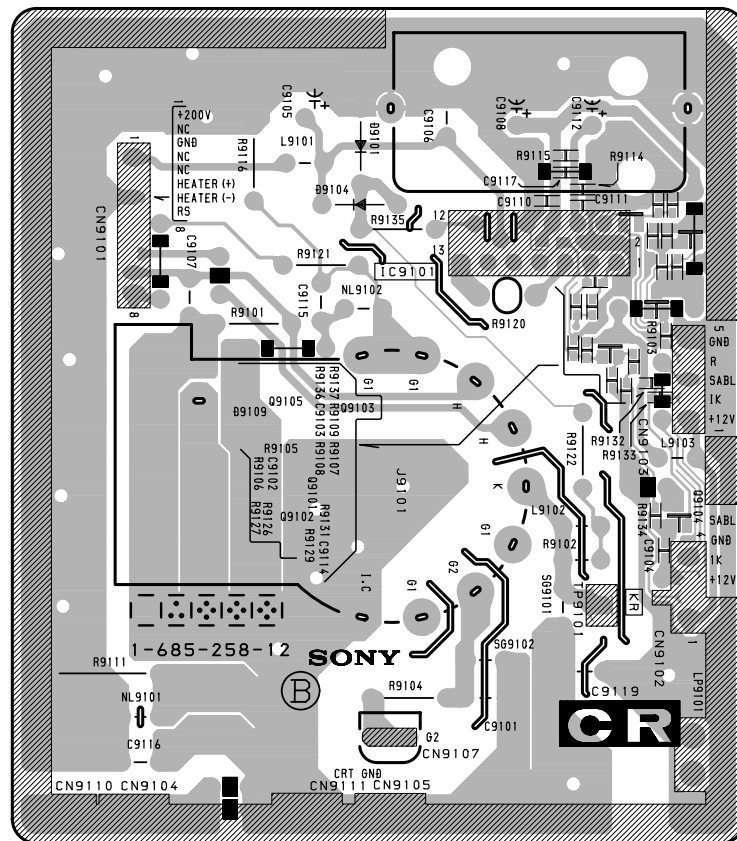


(5) CR, CG, and CB Boards



CR [R OUTPUT]

— CR BOARD (CONDUCTOR SIDE) —



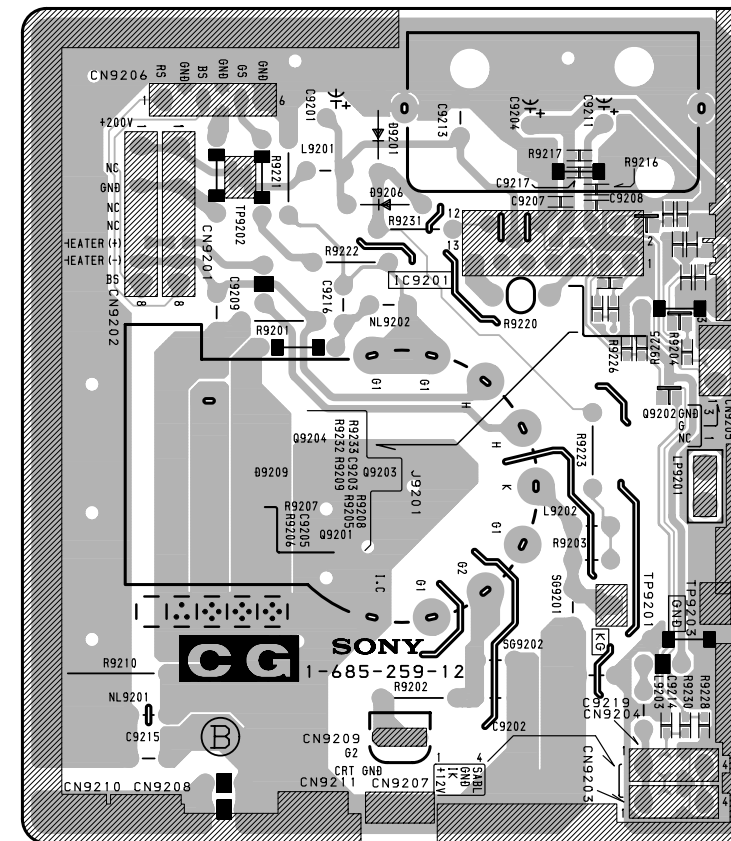
• CR BOARD SEMICONDUCTOR LOCATION

Ref.	*
D9109	③
Q9101-Q9105	①

*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 80)

CG [G OUTPUT]

— CG BOARD (CONDUCTOR SIDE) —



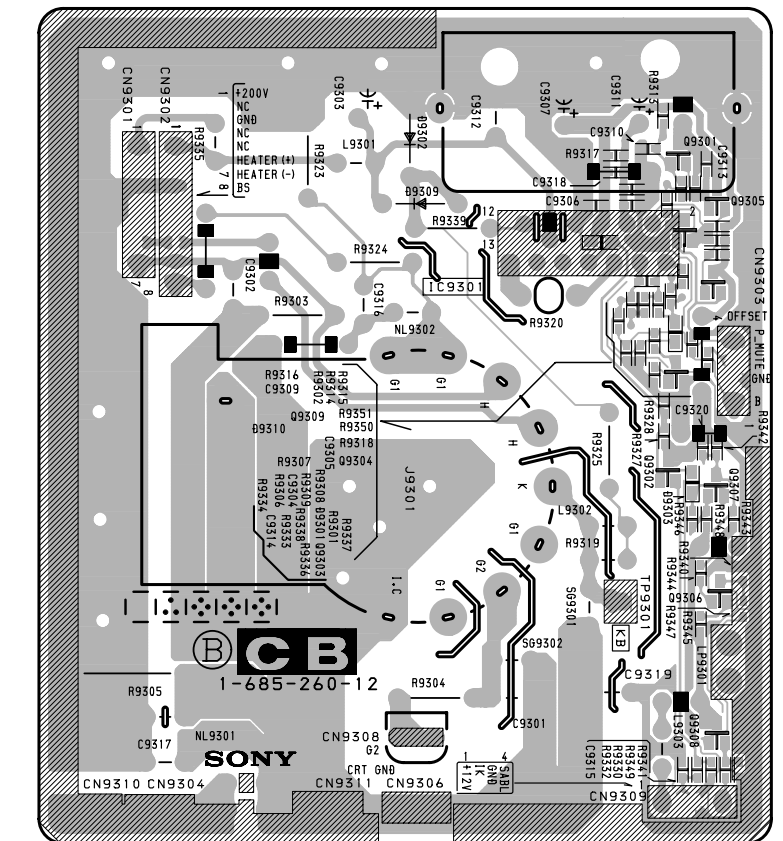
• CG BOARD SEMICONDUCTOR LOCATION

Ref.	*
D9209	③
Q9201-Q9204	①

*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 80)

CB [B OUTPUT]

— CB BOARD (CONDUCTOR SIDE) —



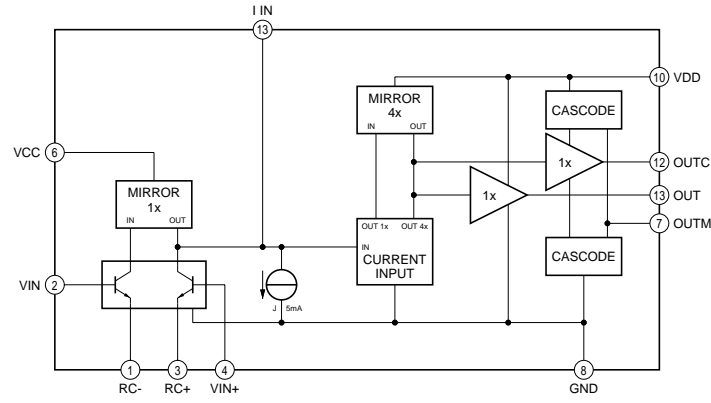
• CB BOARD SEMICONDUCTOR LOCATION

Ref.	*
D9301,9303,9310	③
Q7301-Q9309	①

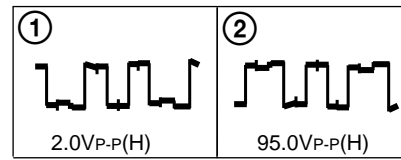
*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 80)

NOTE:
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

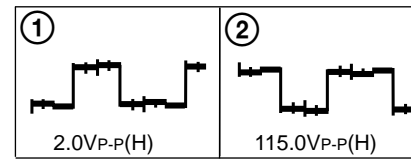
- CR BOARD IC9101 : TDA6120Q/N2/S1
- CG BOARD IC9201 : TDA6120Q/N2/S1
- CB BOARD IC9301 : TDA6120Q/N2/S1



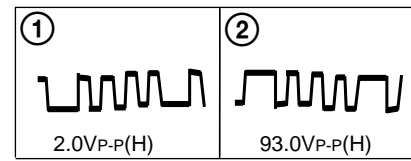
•CR BOARD WAVEFORMS



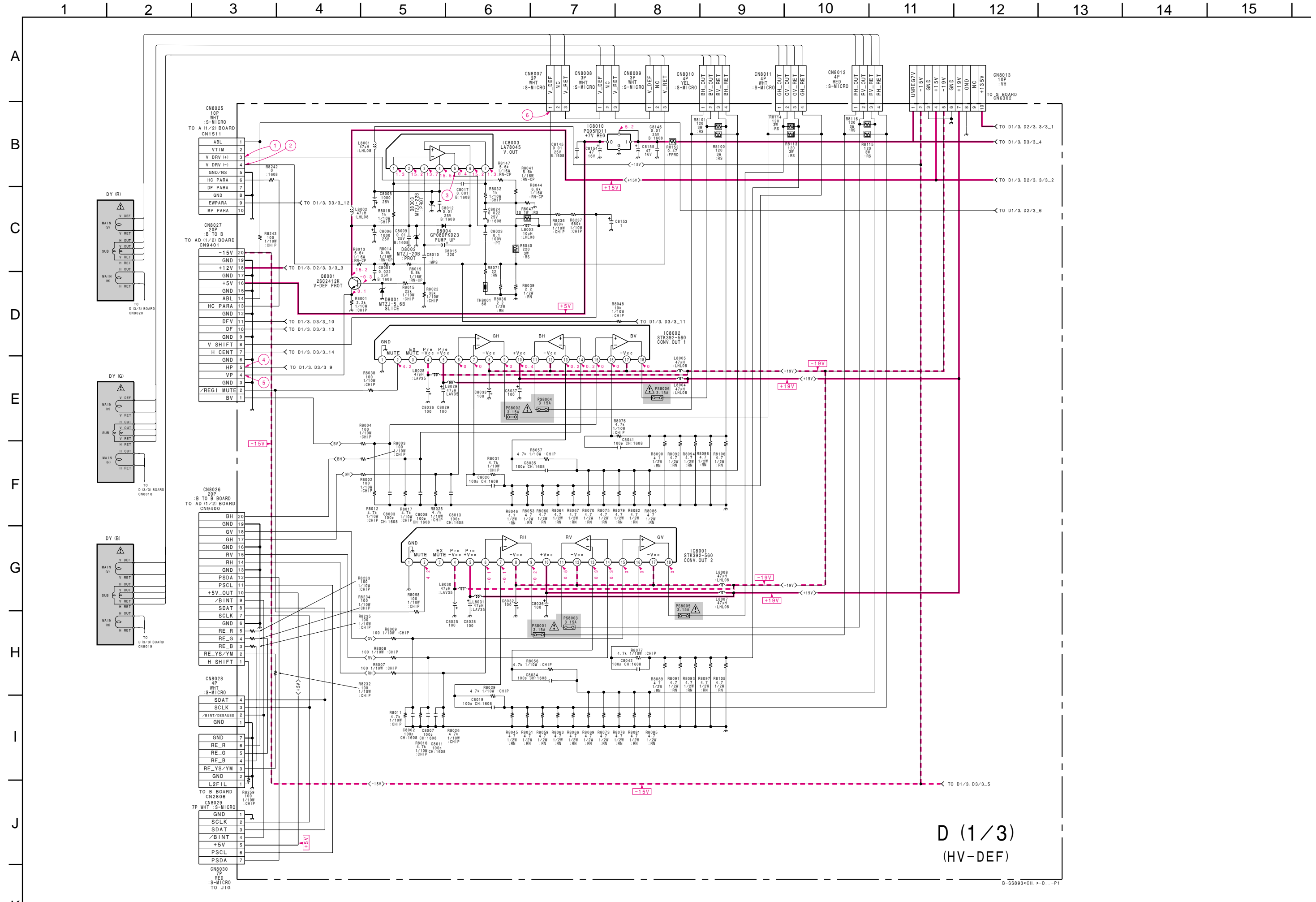
•CG BOARD WAVEFORMS



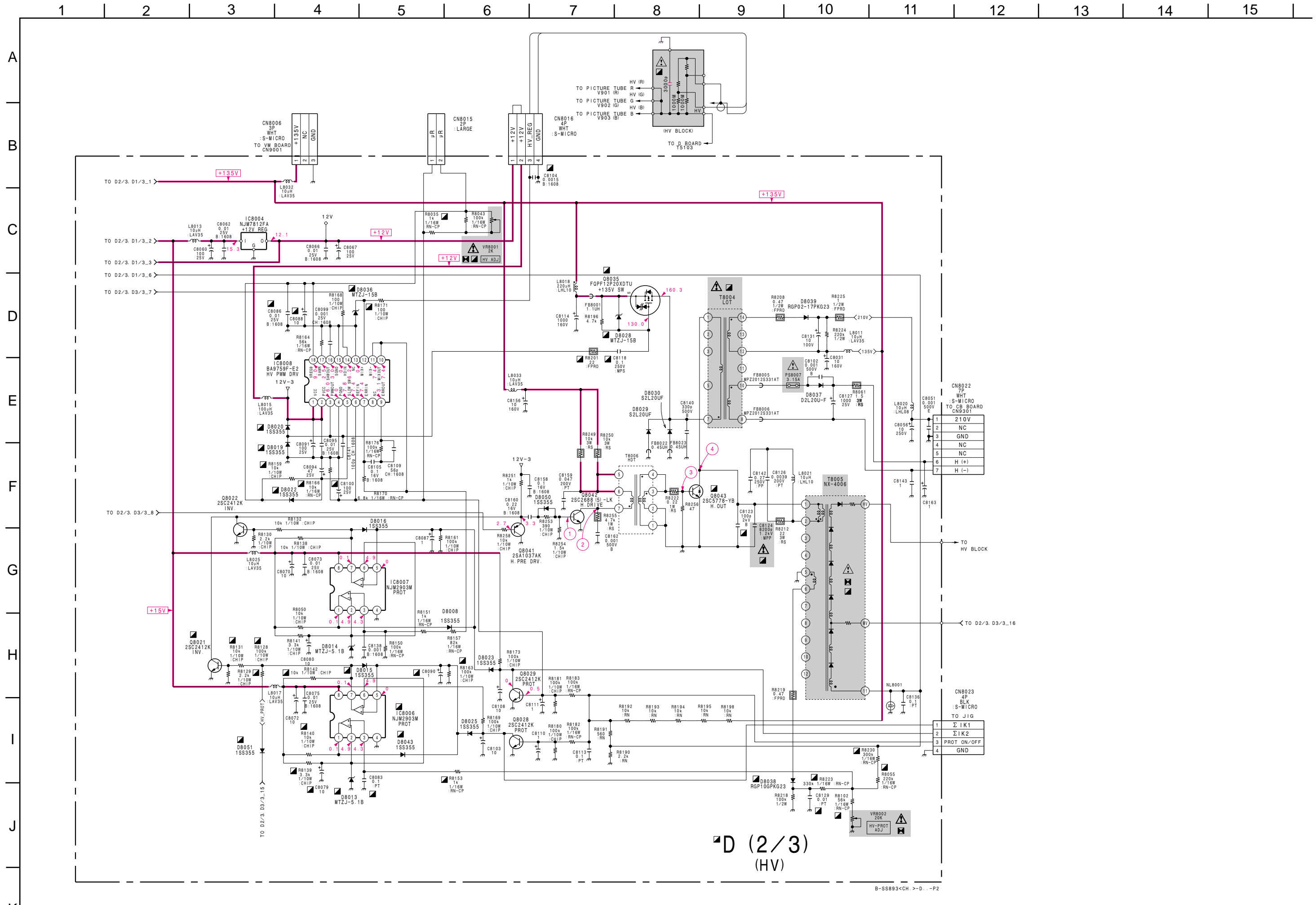
•CB BOARD WAVEFORMS



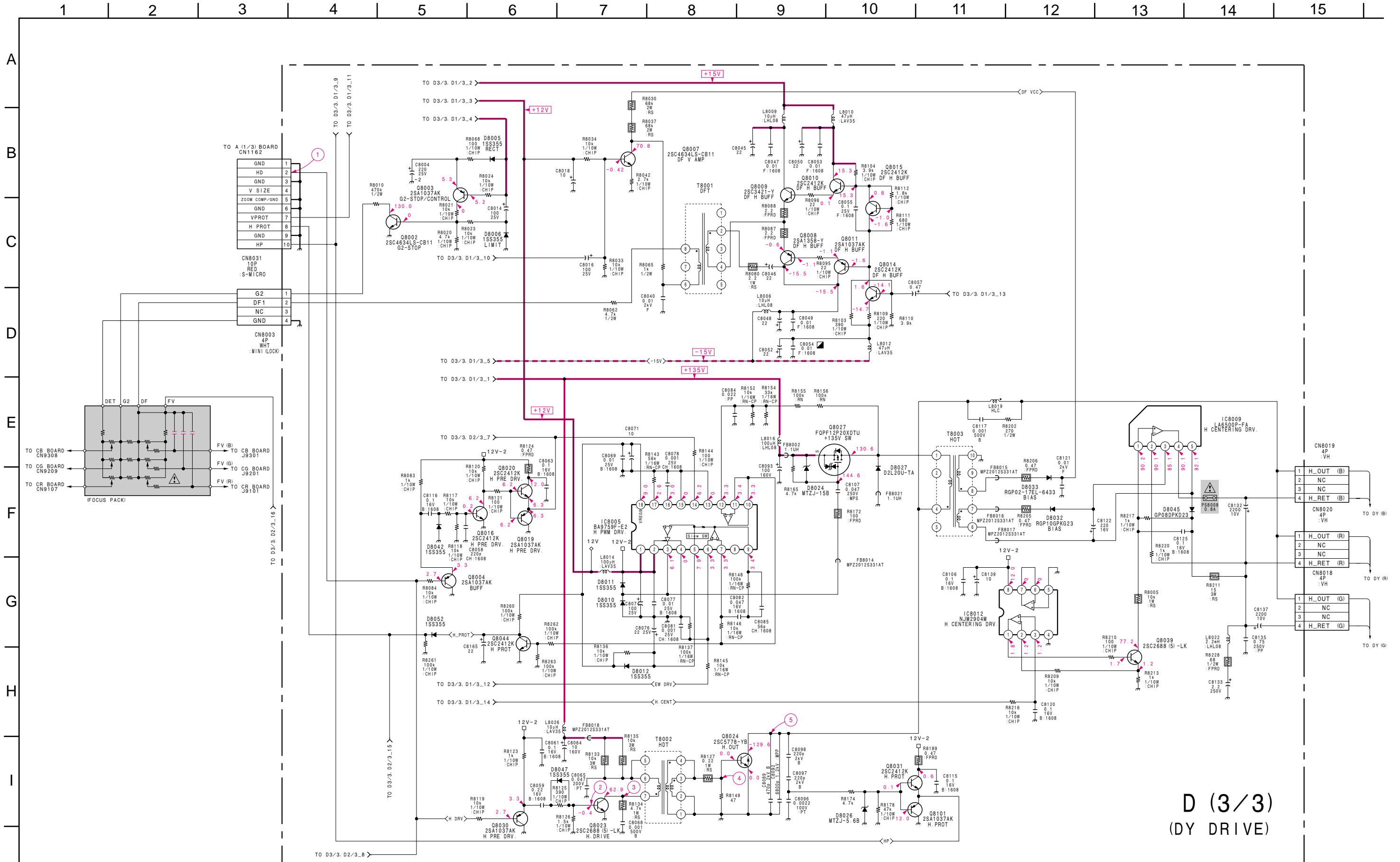
(6) D Board



D (1/3)
(HV-DEF)



B-S8893<CH>.-D.-P2

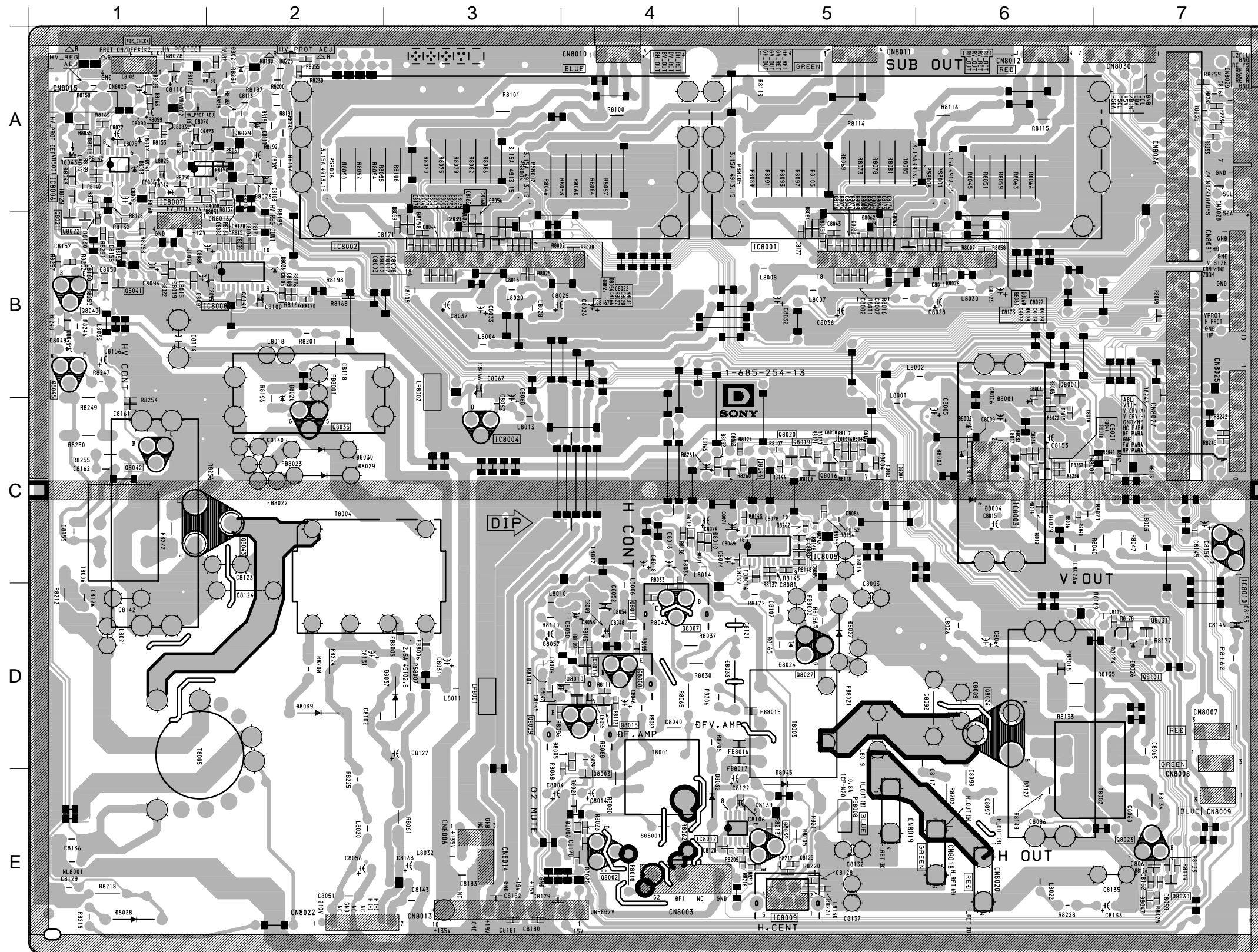


D (3/3)
(DY DRIVE)

B-SS893<CH. >-D...-P3

D [HV-DEF., HV. DY DRIVE]

— D BOARD (CONDUCTOR SIDE) —



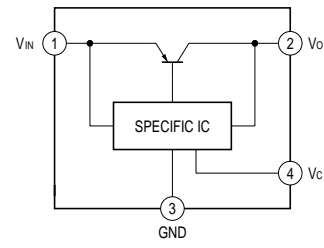
• D BOARD SEMICONDUCTOR LOCATION

IC	(Component Side)	(Conductor Side)*	
IC8001	B-5		
IC8002	B-3		
IC8003	C-6		
IC8004	C-3		
IC8005	C-5		
IC8006	A-1		
IC8007	A-1		
IC8008	B-2		
IC8009	E-5		
IC8010	C-7		
IC8012	E-4		
Q8002	E-4	-	
Q8003	E-4	①	
Q8004	C-5	③	
Q8007	D-4	-	
Q8008	D-4	-	
Q8009	D-4	-	
Q8010	D-4	①	
Q8011	D-4	①	
Q8014	D-4	①	
Q8015	D-4	①	
Q8016	C-5	①	
Q8019	C-5	①	
Q8020	C-5	①	
Q8021	B-1	①	
Q8022	B-1	①	
Q8023	E-7	-	
Q8024	D-6	-	
Q8027	D-5	-	
Q8028	A-1	①	
Q8029	A-2	①	
Q8030	D-7	③	
Q8031	D-7	③	
Q8035	C-2	-	
Q8039	E-5	-	
Q8041	B-1	①	
Q8042	C-1	-	
Q8043	C-1	-	
Q8044	C-4	①	
Q8101	D-7	①	
DIODE			
(Component Side)	(Conductor Side)*		
D8001	C-6	-	
D8002	C-6	-	
D8003	C-6	-	
D8004	C-6	-	
D8005	D-4	③	
D8006	E-4	③	
D8008	A-1	③	
D8010	C-4	③	
D8011	C-4	③	
D8012	C-4	③	
D8013	A-1	-	
D8014	A-1	-	
D8015	A-1	③	
D8016	A-2	③	
D8019	B-1	③	
D8020	B-1	③	
D8022	B-1	③	
D8023	A-2	③	
D8024	D-5	-	
D8025	A-1	③	
D8026	D-7	-	
D8027	D-5	-	
D8028	C-2	-	
D8029	C-2	-	
D8030	C-2	-	
D8032	E-4	-	
D8033	D-4	-	
D8036	B-2	-	
D8037	D-3	-	
D8038	E-1	-	
D8039	D-1	-	
D8043	A-1	③	
D8045	E-5	-	
D8047	E-7	③	
D8050	B-1	③	
D8051	A-1	③	
D8052	C-4	③	

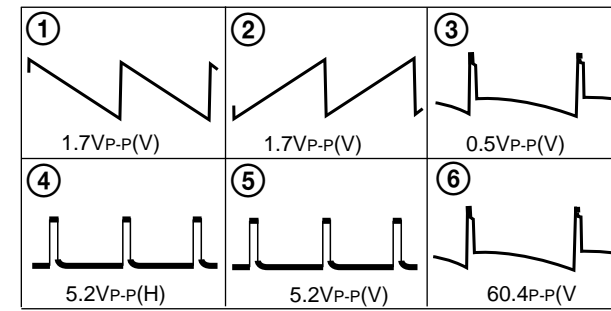
*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 80)

NOTE:
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

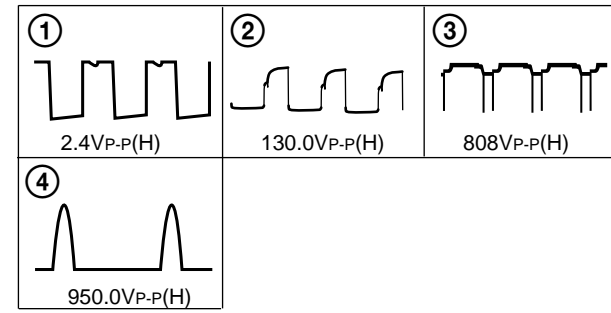
• D(1/3) BOARD IC8010 : PQ05RD1B



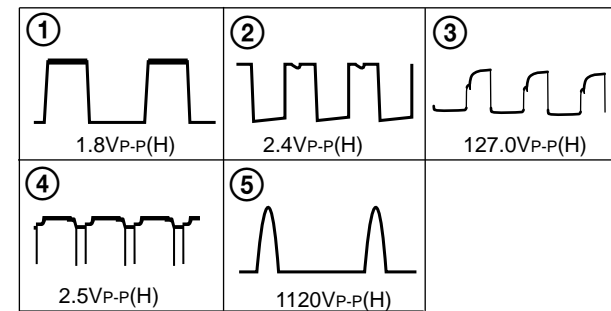
•D(1/3) BOARD WAVEFORMS



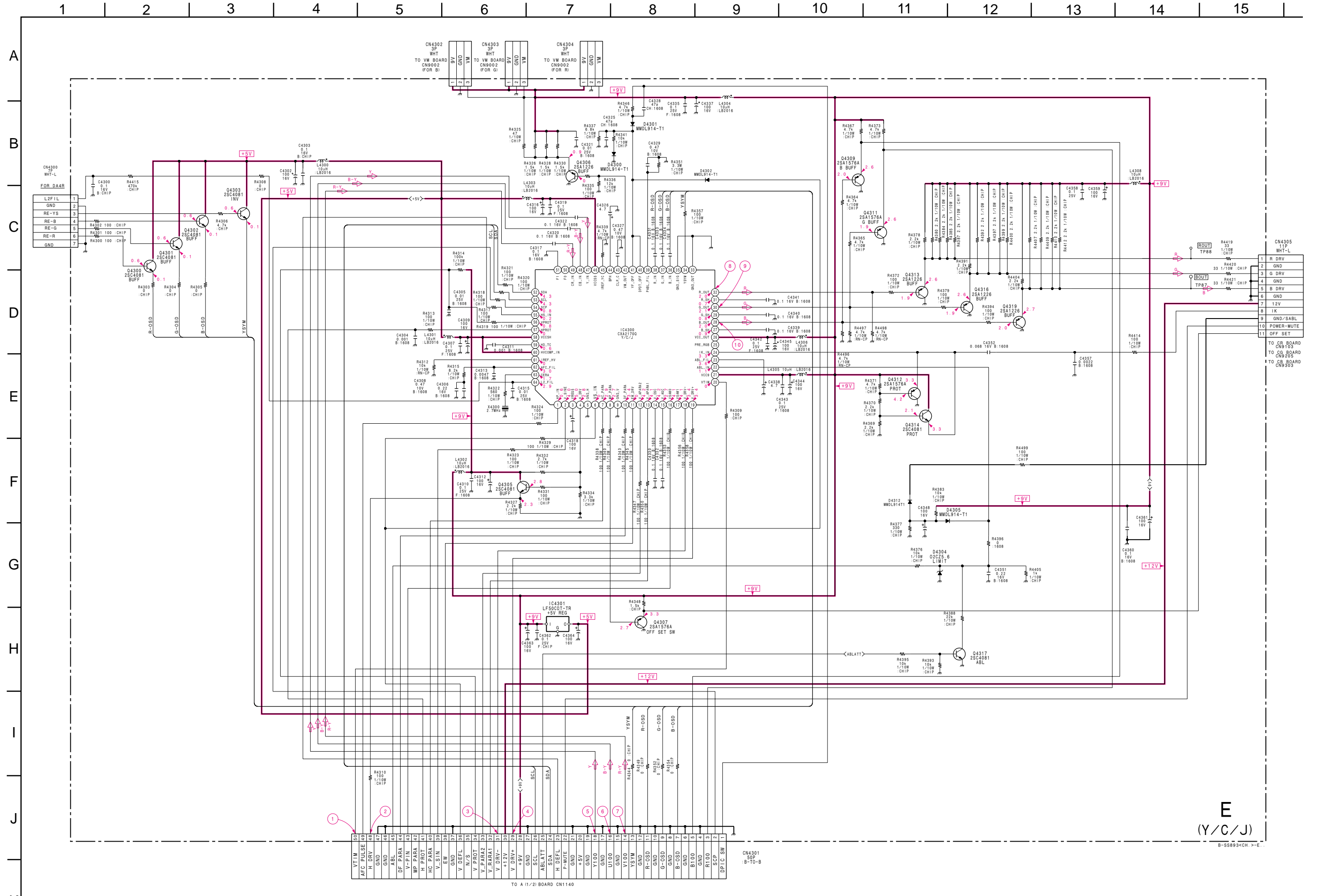
•D(2/3) BOARD WAVEFORMS



•D(3/3) BOARD WAVEFORMS

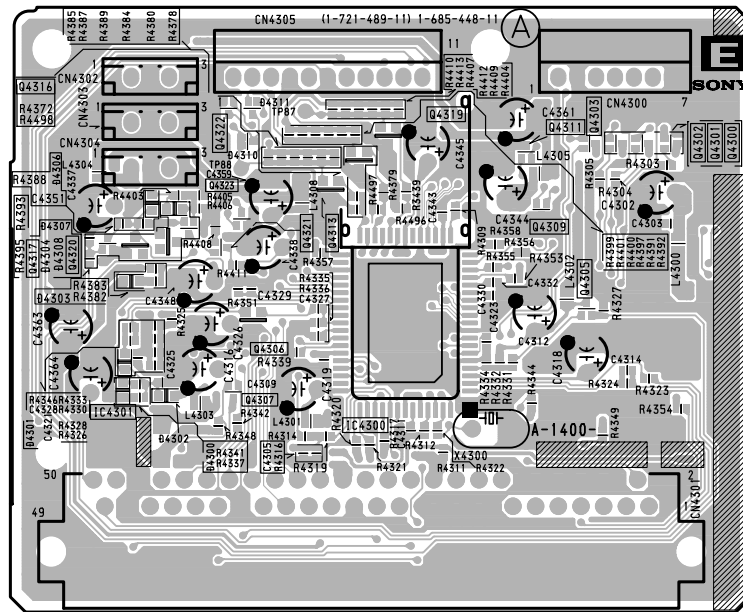


(7) E Board

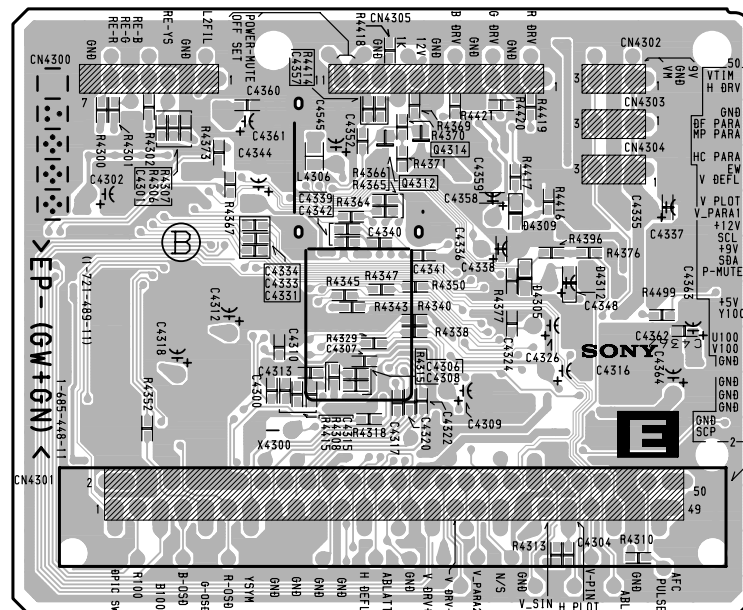


E [Y/C/J]

— E BOARD (COMPONENT SIDE) —



— E BOARD (CONDUCTOR SIDE) —

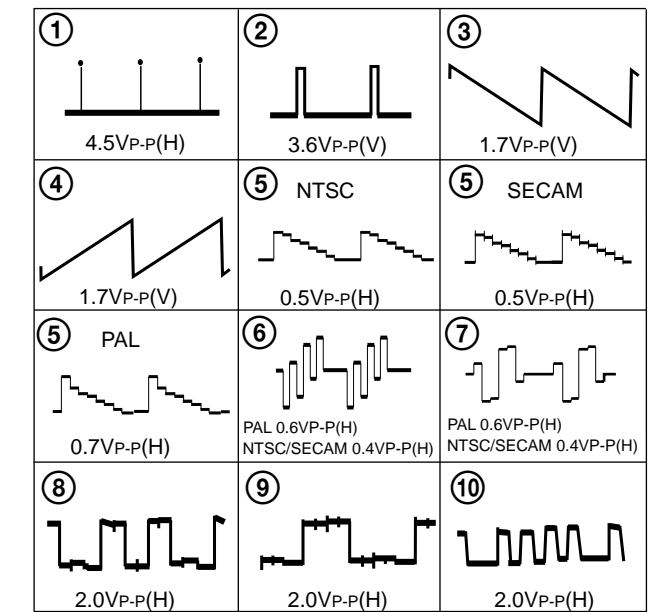


• E BOARD SEMICONDUCTOR LOCATION

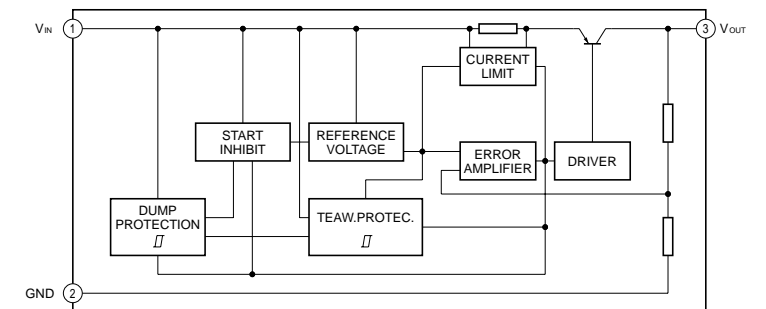
Ref.	*
Q4300-Q4303, Q4305-Q4307, Q4309, Q4311, Q4313, Q4316, Q4317, Q4319	②
D4300-D4302, D4304, D4305, D4312	③

*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 80)

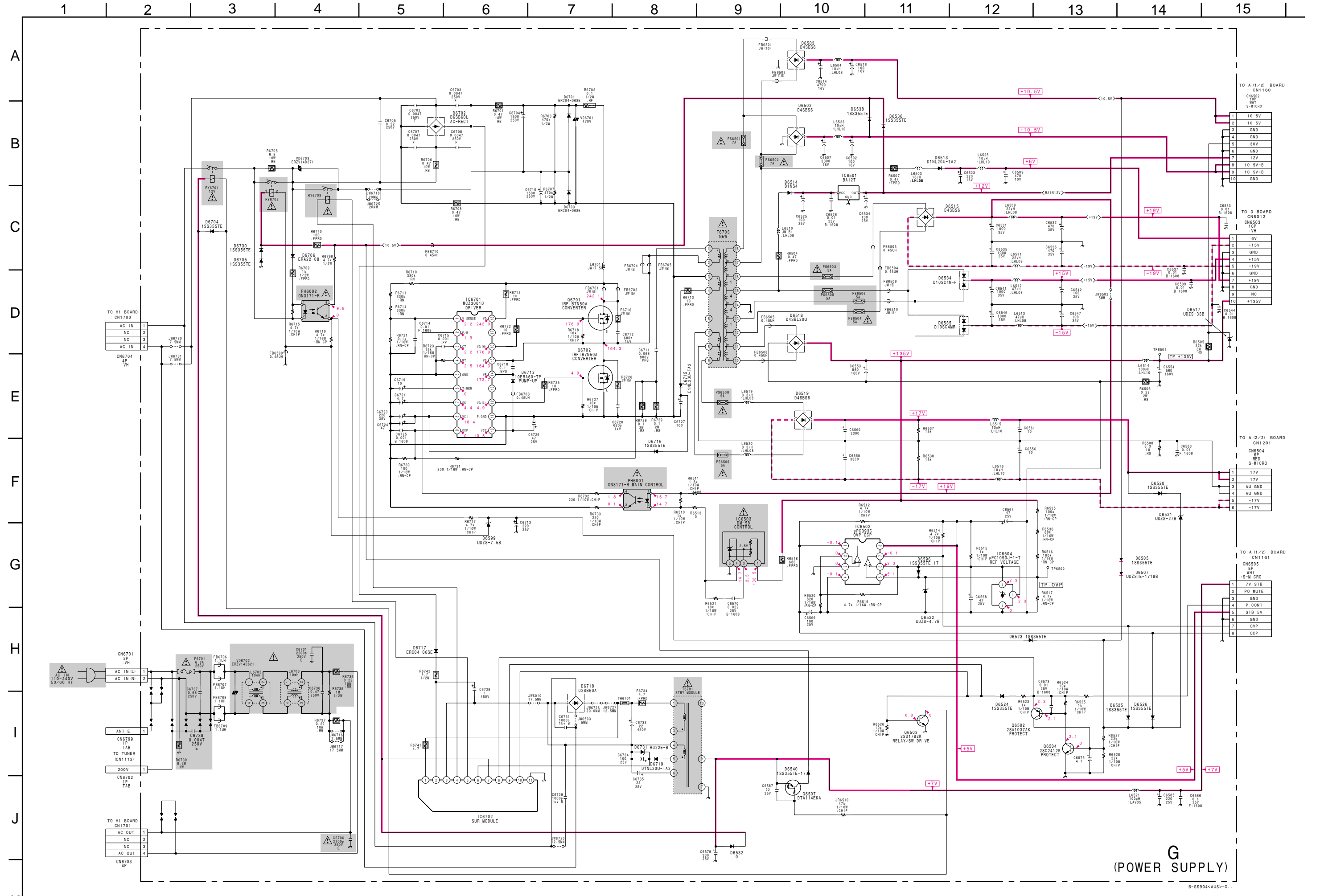
• E BOARD WAVEFORMS



• E BOARD IC4301 : LF50CDT-TR



(8) G Board

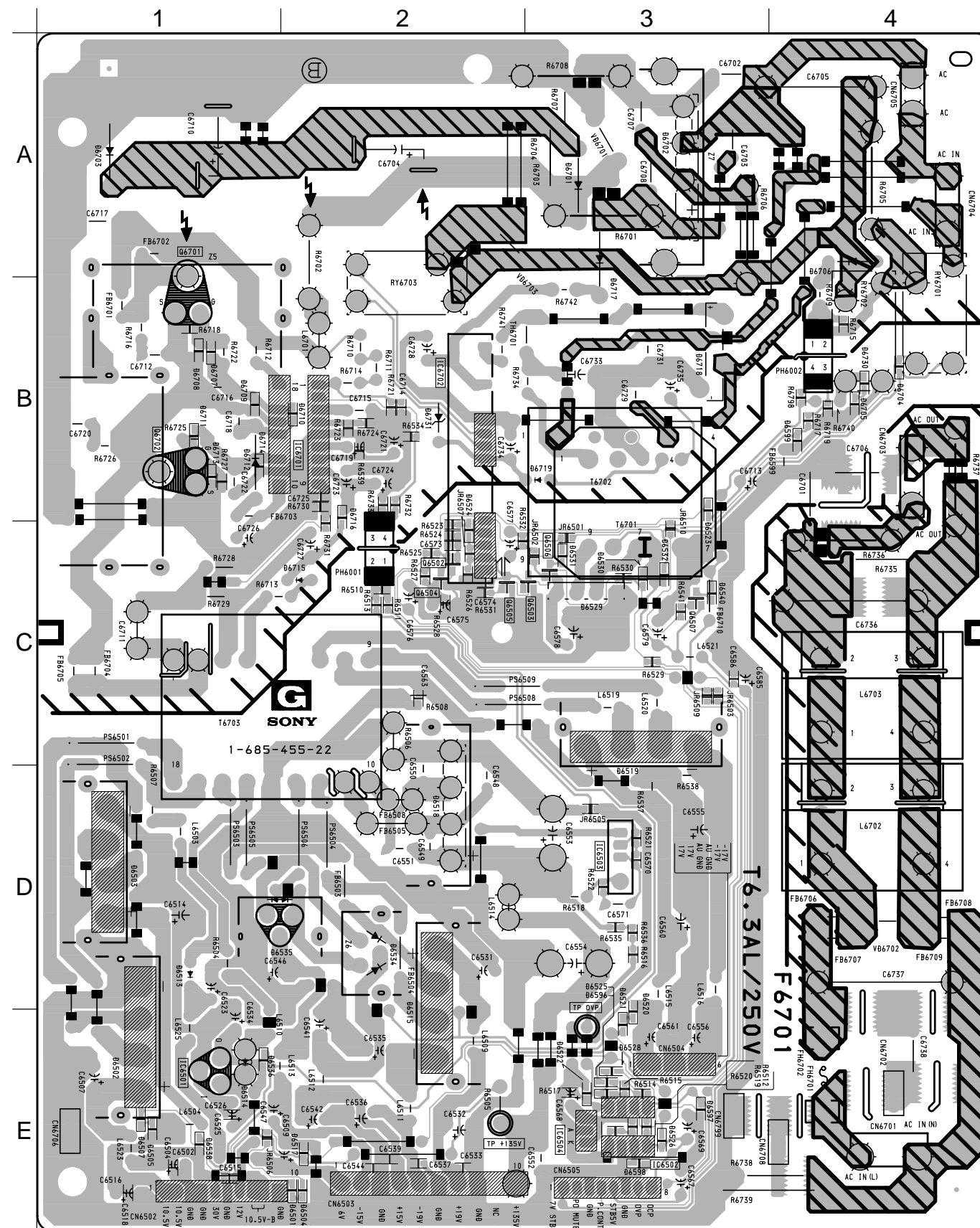


G
(POWER SUPPLY)

B-S9904<AD>-G

G [POWER SUPPLY]

— G BOARD (CONDUCTOR SIDE) —



• G BOARD SEMICONDUCTOR LOCATION

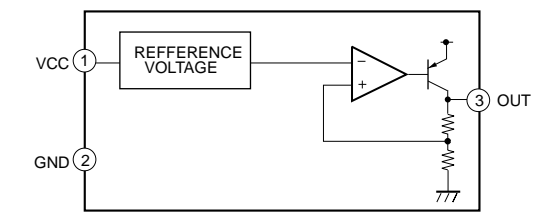
IC	
(Component Side)	(Conductor Side) *
IC6501	E-1
IC6502	E-3
IC6503	D-3
IC6504	E-3
IC6701	B-2

TRANSISTOE	
(Component Side)	(Conductor Side) *
Q6502	C-1 ①
Q6503	C-3 ①
Q6504	C-2 ①
Q6506	C-3 ①
Q6701	B-1 -
Q6702	B-1 -

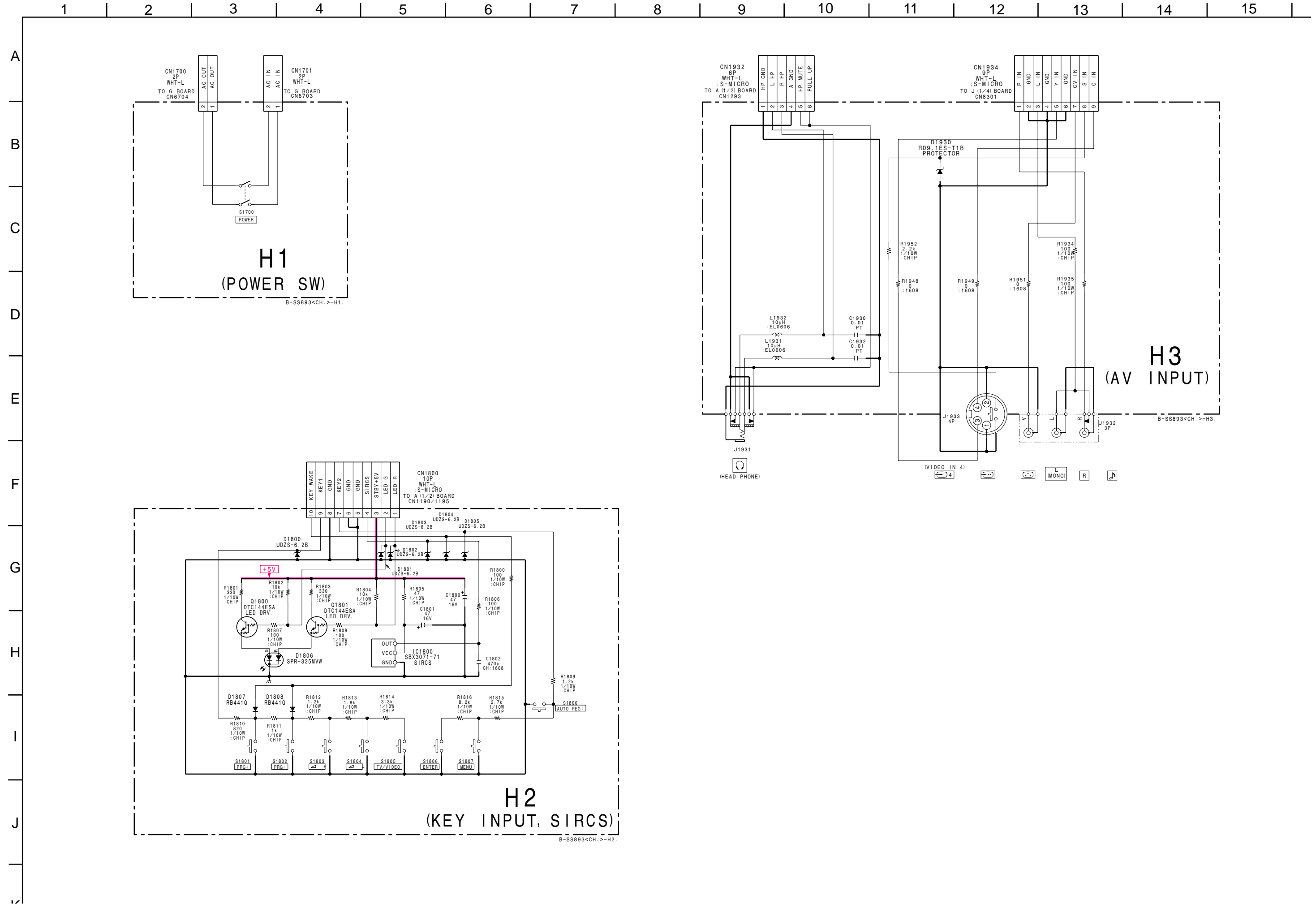
DIODE	
(Component Side)	(Conductor Side) *
D6502	E-1 -
D6503	D-1 -
D6505	E-1 ③
D6507	E-1 ③
D6513	D-1 -
D6514	E-1 -
D6515	E-2 -
D6517	E-2 ③
D6518	D-2 -
D6519	C-3 -
D6520	E-3 ③
D6521	E-3 ③
D6522	E-3 ③
D6523	B-3 ③
D6524	C-2 ③
D6525	E-3 ③
D6526	E-3 ③
D6529	C-3 -
D6531	C-3 ③
D6532	C-3 ③
D6534	D-2 -
D6535	D-2 -
D6536	E-1 ③
D6538	E-1 ③
D6596	E-3 ③
D6597	E-3 ③
D6599	B-4 ③
D6702	A-3 -
D6704	B-4 ③
D6705	B-4 ③
D6706	A-4 -
D6712	B-1 -
D6715	C-2 -
D6716	C-2 ③
D6730	B-4 3

*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 80)

• G BOARD IC6501 : BA05FP



(9) H1, H2, and H3 Boards



H1
(POWER SW)

B-SS893<CH.>-H1.

H2
(KEY INPUT, SIRCS)

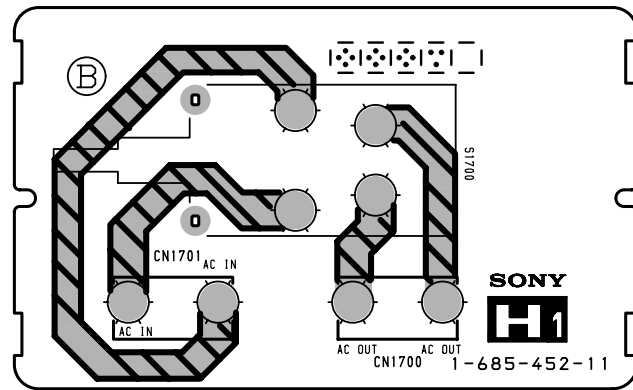
B-SS893<CH.>-H2.

H3
(AV INPUT)

B-SS893<CH.>-H3.

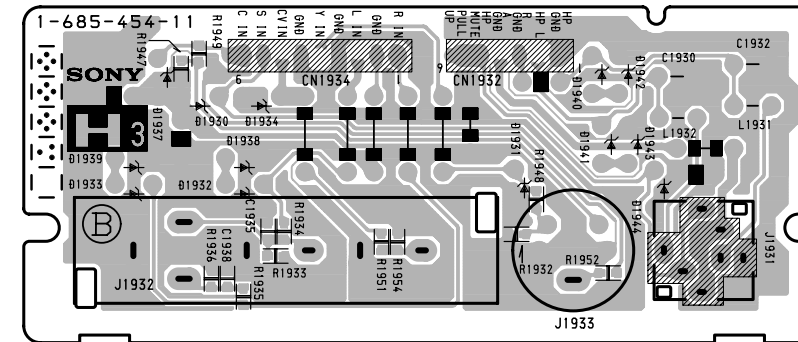
H1 [POWER SW]

— H1 BOARD (CODUCTOR SIDE) —



H3 [AV INPUT]

— H3 BOARD (CODUCTOR SIDE) —



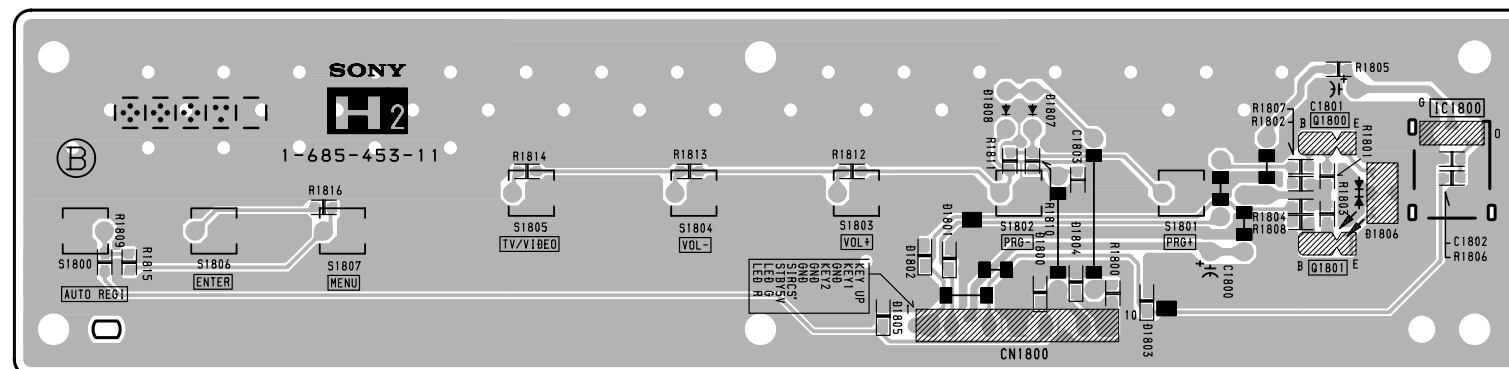
• H3 BOARD SEMICONDUCTOR LOCATION

Ref.	*
D1930	-

※: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 80)

H2 [KEY INPUT, SIRCS]

— H2 BOARD (CODUCTOR SIDE) —

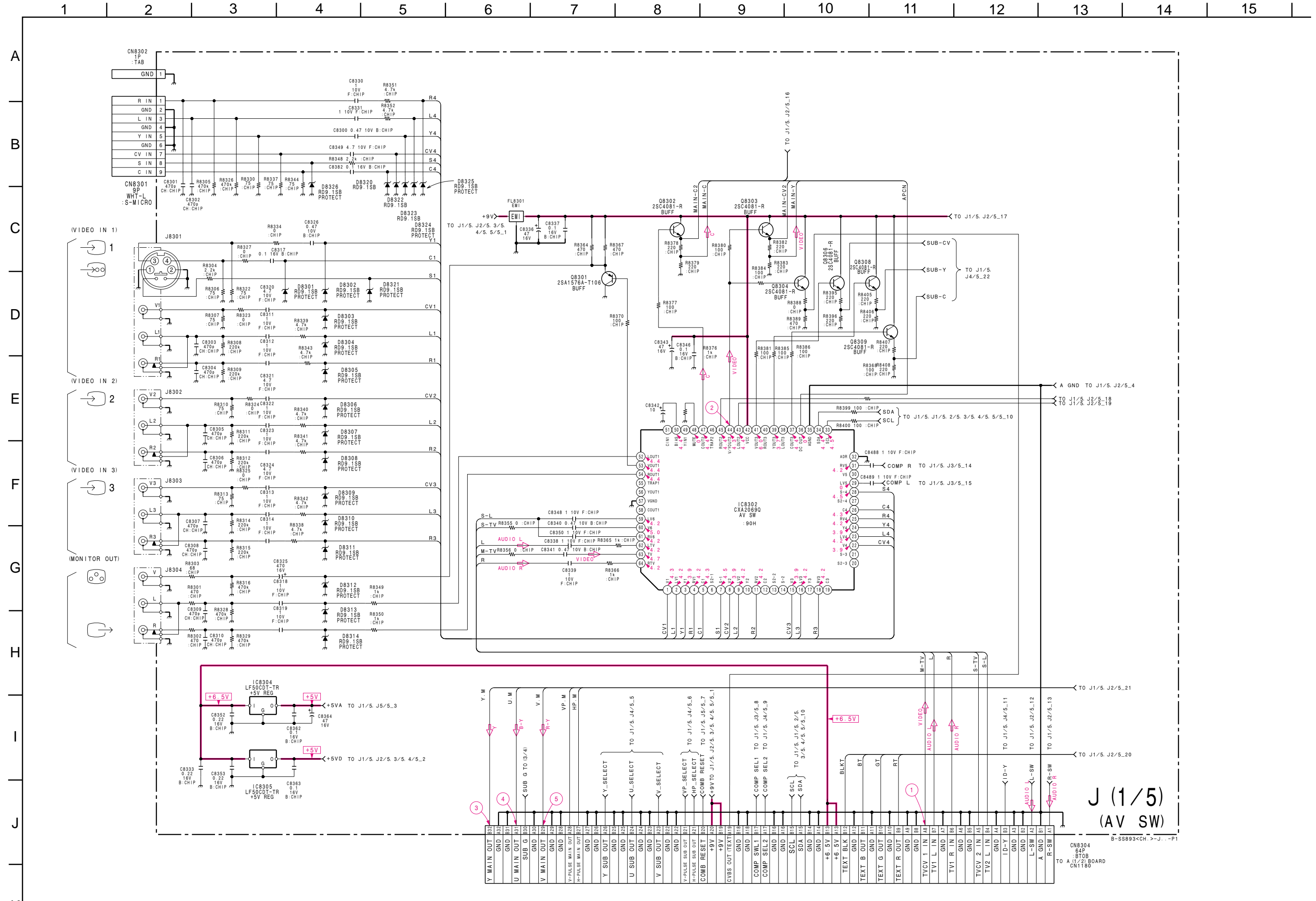


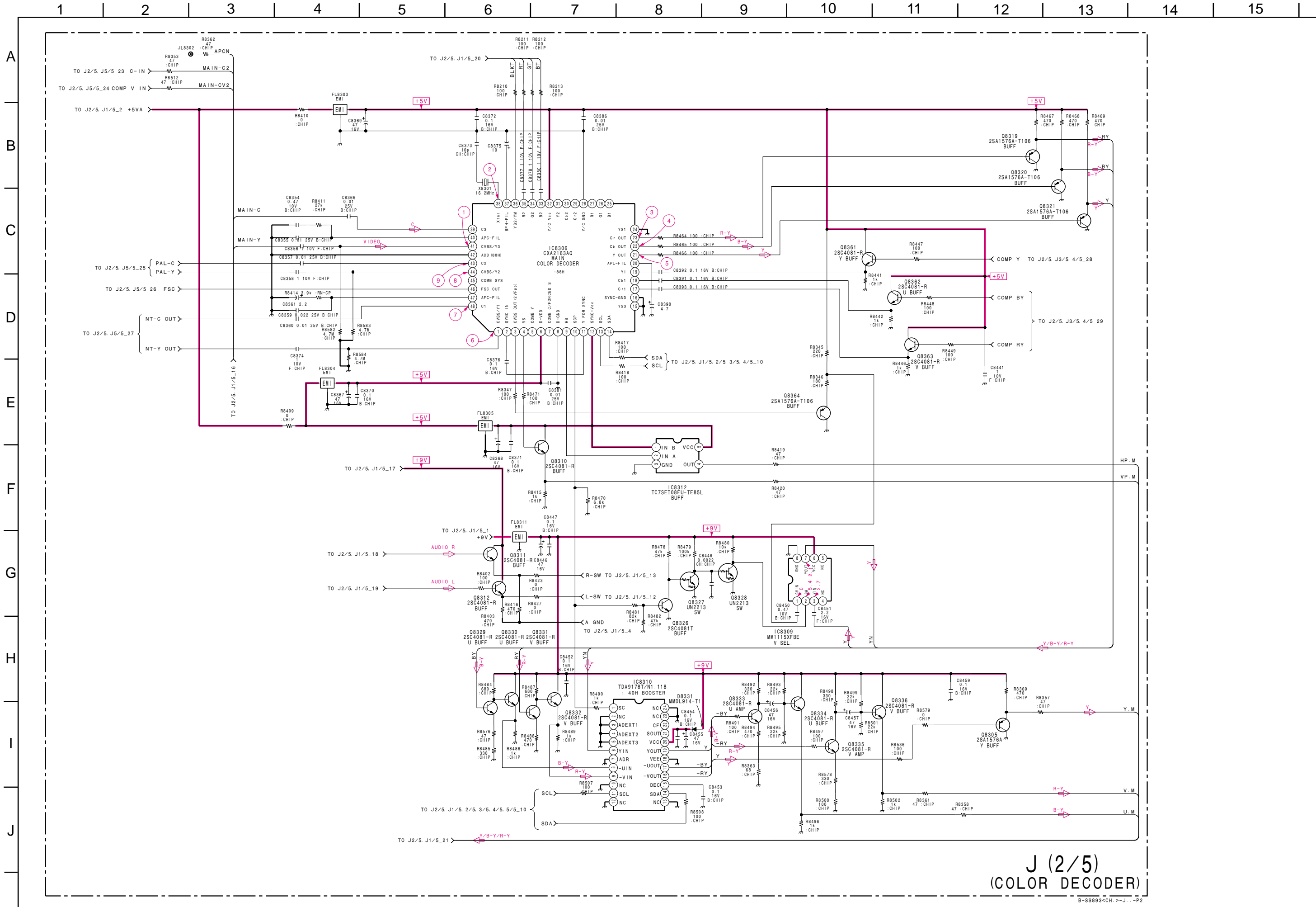
• H2 BOARD SEMICONDUCTOR LOCATION

Ref.	*
Q1800, Q1801Q4309,	-
D1800-D1808	③

※: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 80)

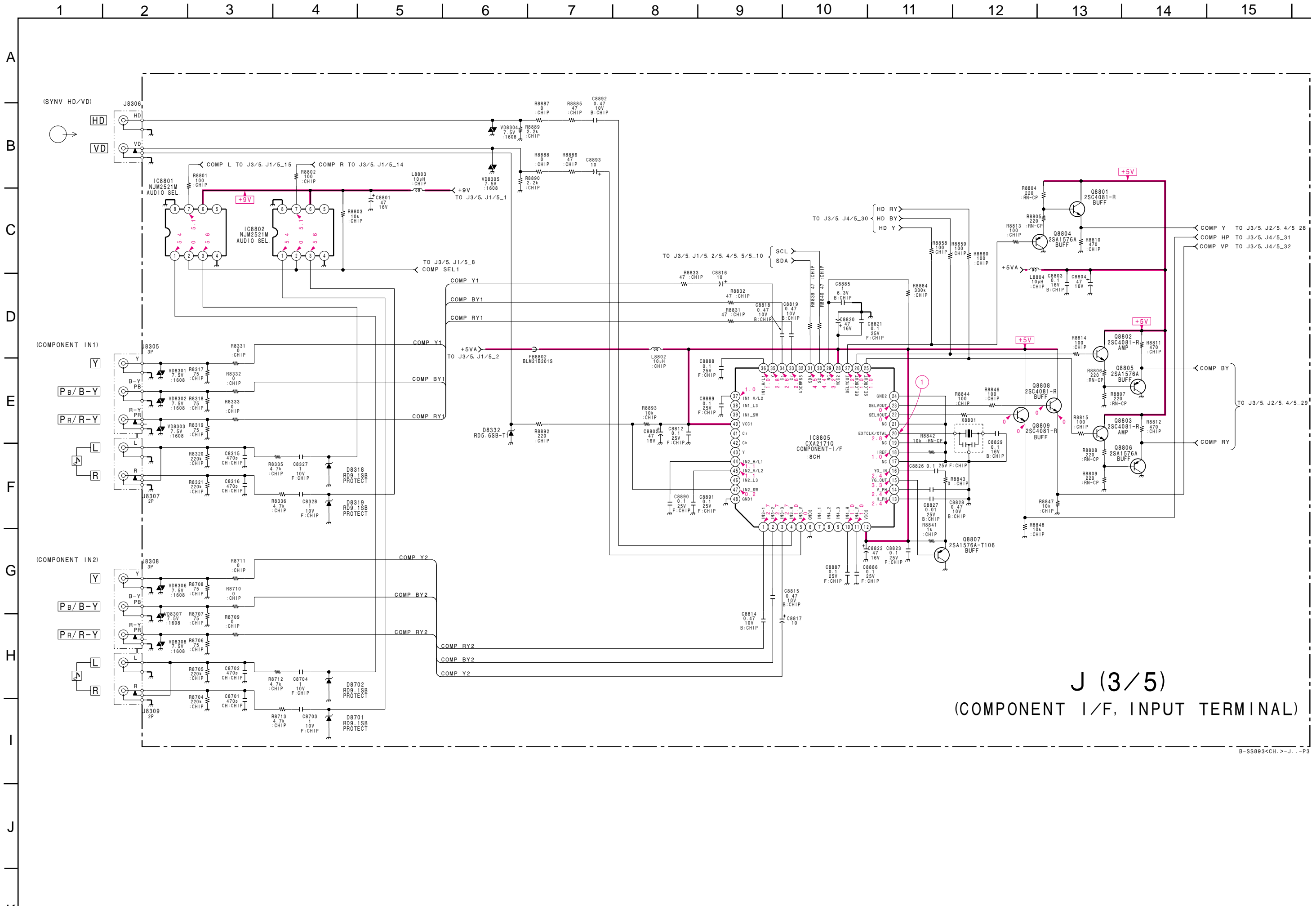
(10) J Board





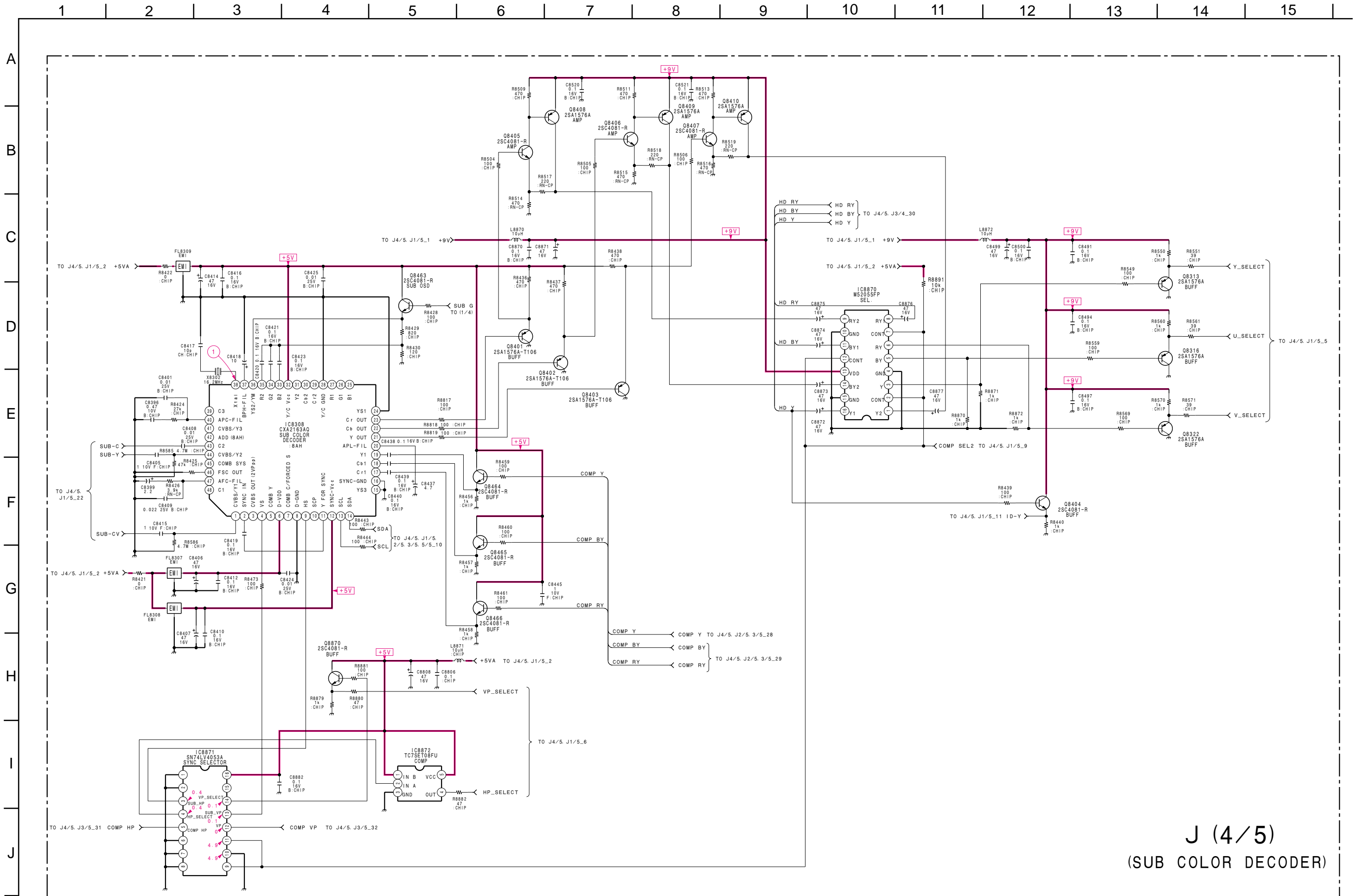
J (2/5)
(COLOR DECODER)

B-SS893<CH>-J...-P2



J (3/5)
(COMPONENT I/F, INPUT TERMINAL)

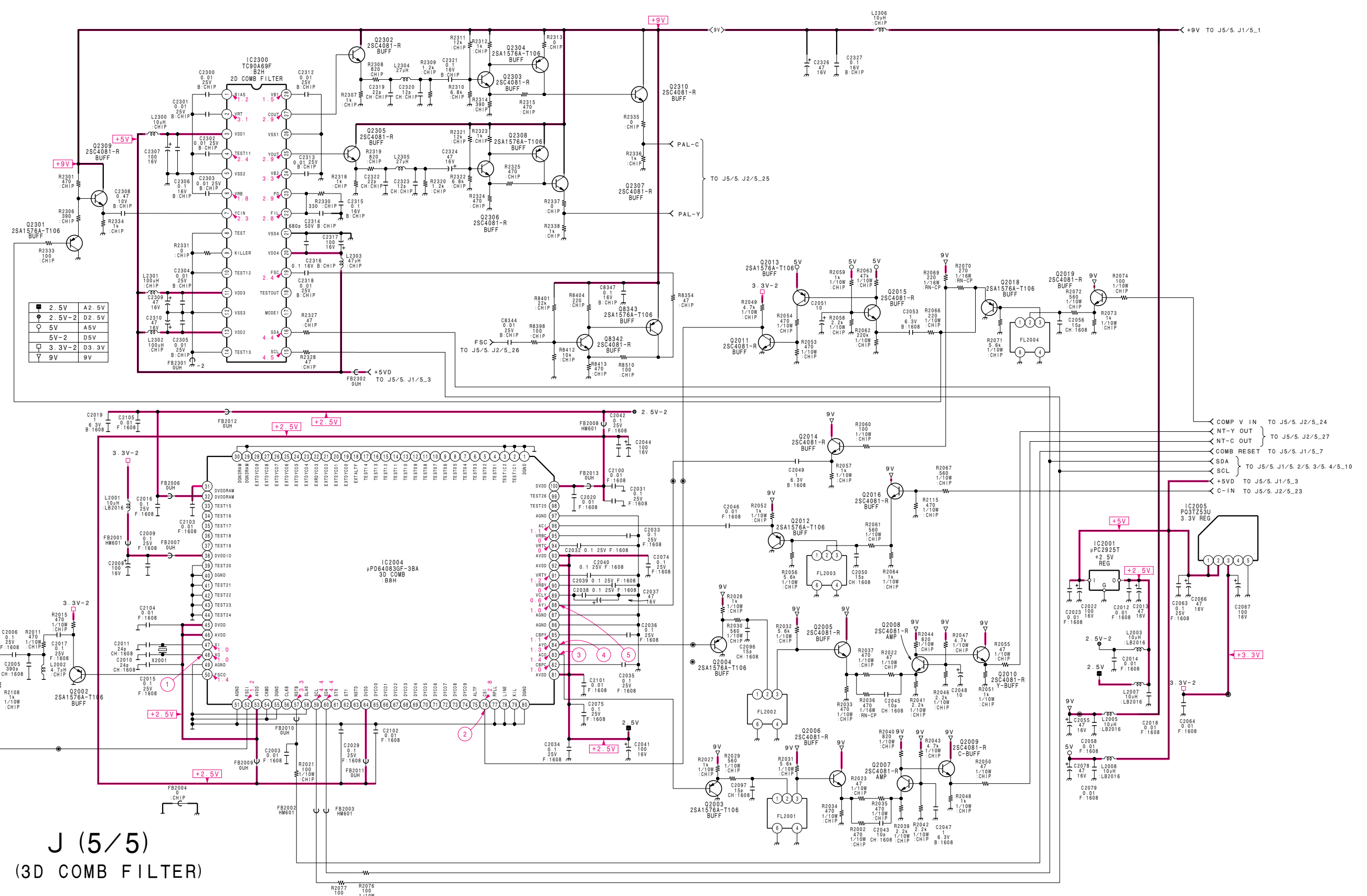
B-S8893CH -> J. - P3



J (4/5)
(SUB COLOR DECODER)

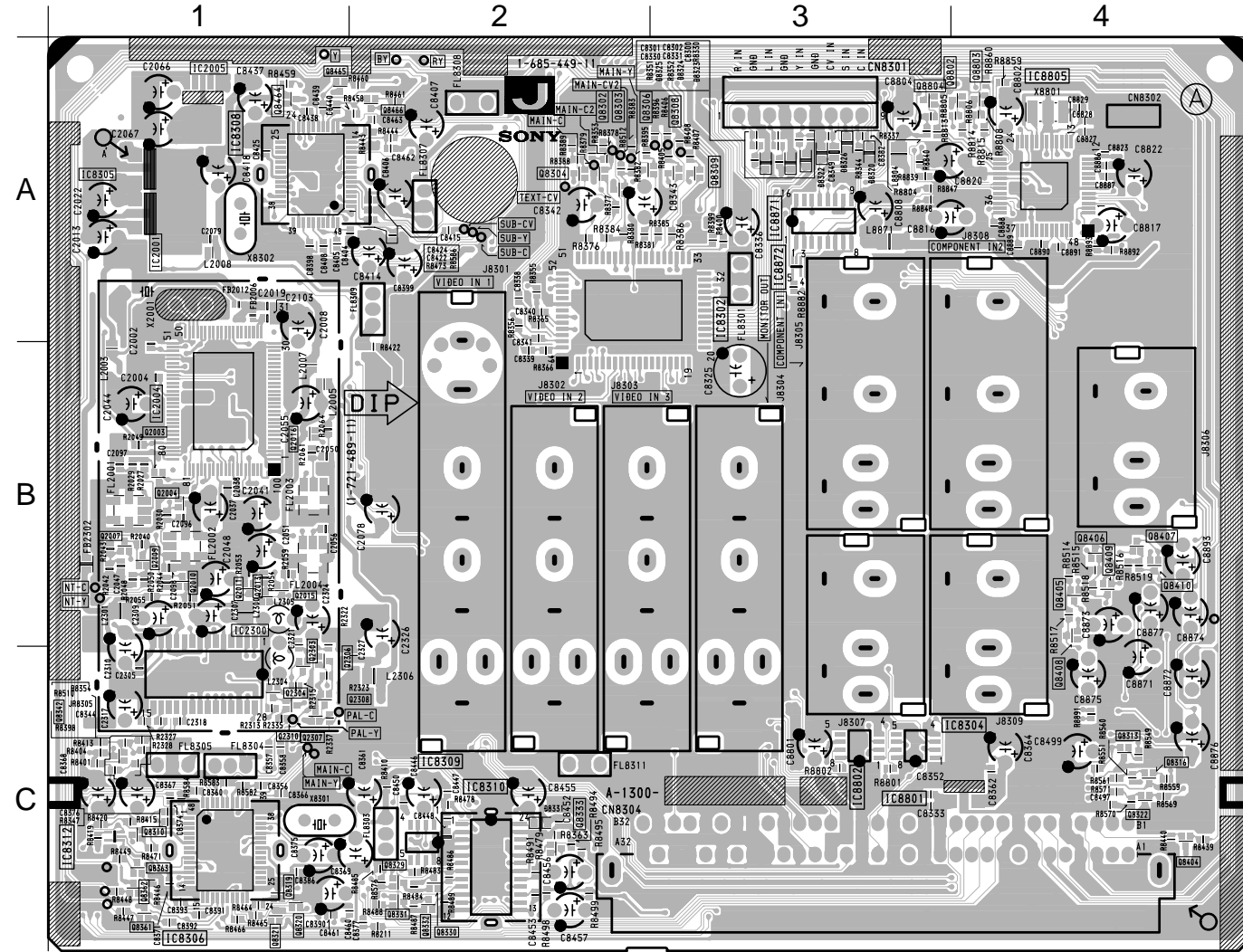
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

A
B
C
D
E
F
G
H
I
J

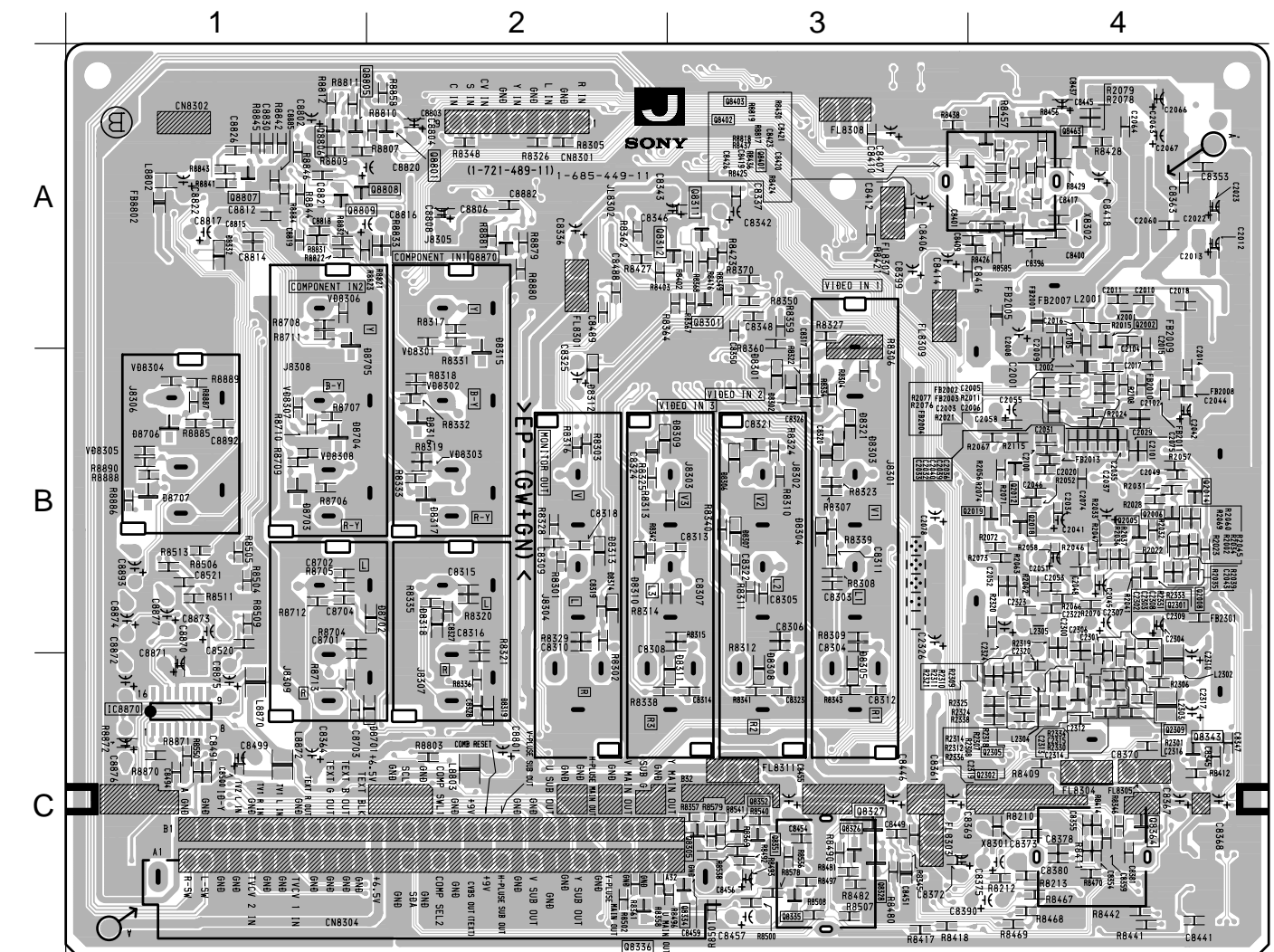


J [AV SW, COLOR DECODER, COMPONENT I/F, 3D COMB FILTER]

— J BOARD (COMPONENT SIDE) —



— J BOARD (CONDUCTOR SIDE) —

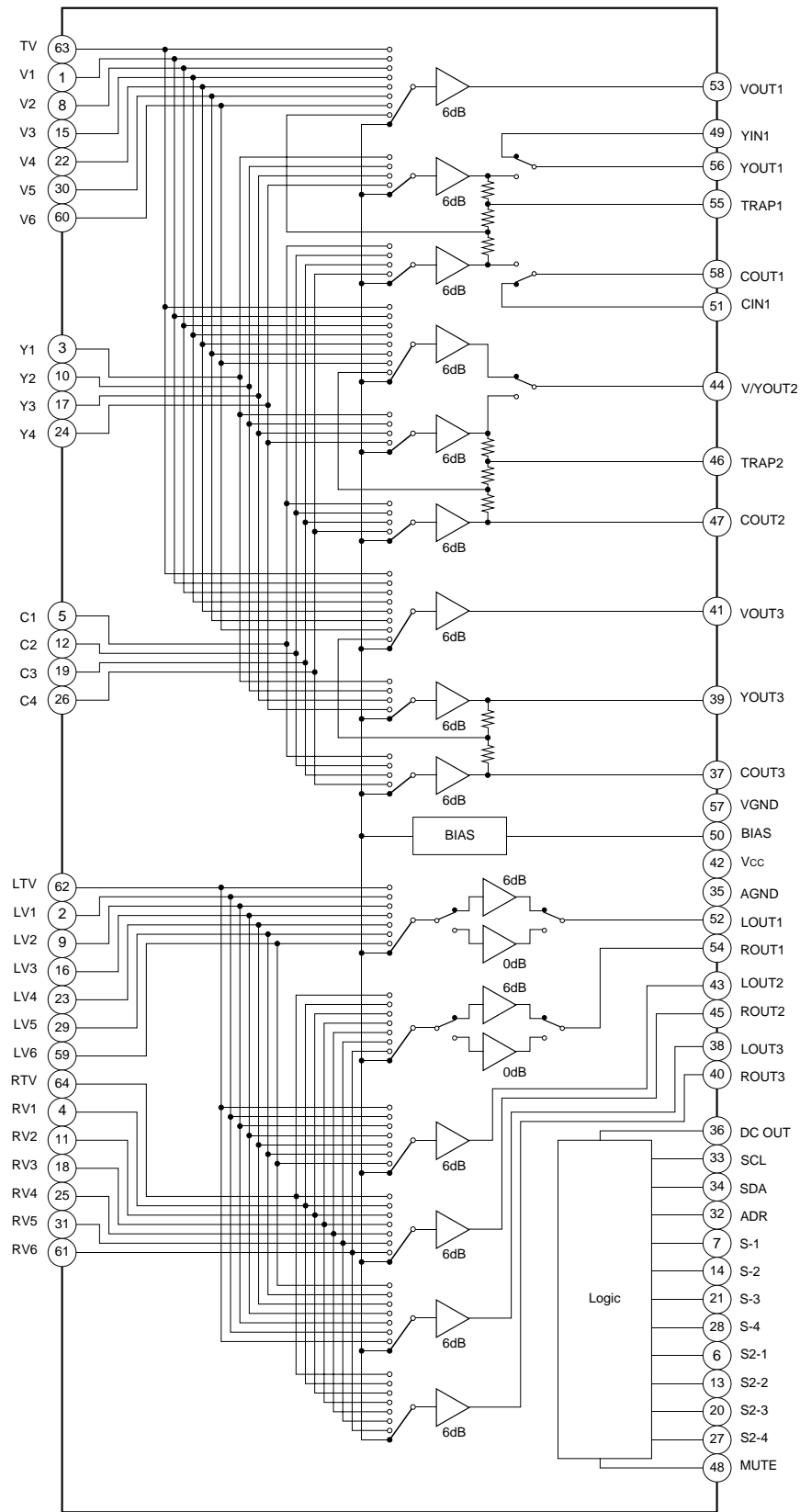


• J BOARD SEMICONDUCTOR LOCATION

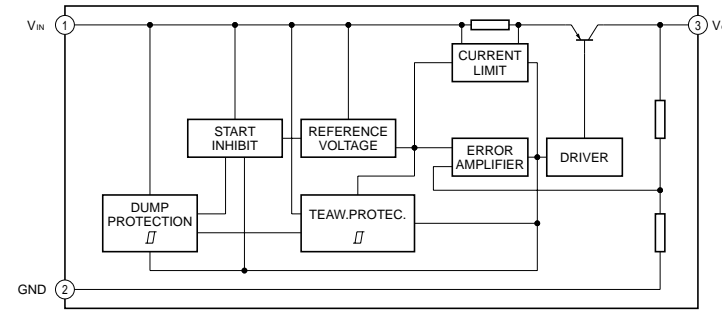
IC (Component Side) (Conductor Side) *	Q2006	B-4	①	Q8309	A-3	②	Q8404	C-4	②	D8306	B-1	⑩
IC2001 A-1	Q2007	B-1	②	Q8310	C-1	②	Q8405	B-4	②	D8307	B-1	⑩
IC2004 B-1	Q2008	B-4	①	Q8311	A-3	①	Q8406	B-4	②	D8308	C-3	⑨
IC2005 A-1	Q2009	B-1	②	Q8312	A-3	①	Q8407	B-4	②	D8309	B-2	⑨
IC2300 C-1	Q2010	B-1	②	Q8313	C-4	②	Q8408	B-4	②	D8310	B-2	⑨
IC8302 A-2	Q2011	B-1	②	Q8316	C-4	②	Q8409	B-4	②	D8311	C-2	⑨
IC8304 C-4	Q2012	B-4	①	Q8319	C-1	②	Q8410	B-4	②	D8312	B-2	⑨
IC8305 A-1	Q2013	B-1	②	Q8320	C-1	②	Q8463	A-4	①	D8313	B-2	⑨
IC8306 C-1	Q2014	B-4	①	Q8321	C-1	②	Q8464	A-1	①	D8314	B-2	⑨
IC8308 A-1	Q2015	B-1	②	Q8322	C-4	②	Q8465	A-1	②	D8318	B-2	⑨
IC8309 C-2	Q2016	B-1	②	Q8326	C-3	①	Q8466	A-2	②	D8319	C-2	⑨
IC8310 C-2	Q2018	B-4	①	Q8327	C-3	①	Q8801	A-2	①	D8320	A-3	⑨
IC8312 C-1	Q2019	B-4	①	Q8328	C-3	①	Q8802	A-4	②	D8321	B-3	⑨
IC8801 C-3	Q2301	B-4	①	Q8329	C-2	②	Q8803	A-4	②	D8322	A-3	⑨
IC8802 C-3	Q2302	C-4	①	Q8330	C-2	②	Q8804	A-3	②	D8323	A-3	⑨
IC8805 A-4	Q2303	C-1	②	Q8331	C-2	②	Q8805	A-1	①	D8324	A-3	⑨
IC8870 C-1	Q2304	C-1	②	Q8332	C-2	②	Q8806	A-1	①	D8325	A-3	⑨
IC8871 A-3	Q2305	C-4	①	Q8333	C-2	②	Q8807	A-1	①	D8326	A-3	⑨
IC8872 A-3	Q2306	C-1	②	Q8334	C-3	①	Q8808	A-1	①	D8331	C-2	⑨
	Q2307	C-1	②	Q8335	C-3	①	Q8809	A-1	①	D8332	A-1	⑨
	Q2308	C-1	②	Q8336	C-2	①	Q8870	A-2	①	D8701	C-2	⑨
	Q2309	C-4	①	Q8342	C-1	①				D8702	B-2	⑨
	Q2310	C-1	①	Q8343	C-4	①						
	Q8301	A-3	①	Q8361	C-1	②	DIODE (Component Side) (Conductor Side) *					
	Q8302	A-2	①	Q8362	C-1	②						
	Q8303	A-2	②	Q8363	C-1	②	D8301	B-3	③			
	Q8304	A-2	②	Q8364	C-4	②	D8302	B-3	③			
	Q8305	A-2	②	Q8401	A-4	①	D8303	B-3	③			
	Q8306	A-2	②	Q8402	A-4	①	D8304	B-3	③			
	Q8308	A-3	②	Q8403	A-4	①	D8305	C-3	③			

*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 80)

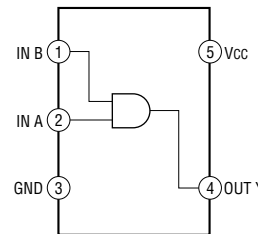
• J(1/5) BOARD IC8302 : CXA2069Q



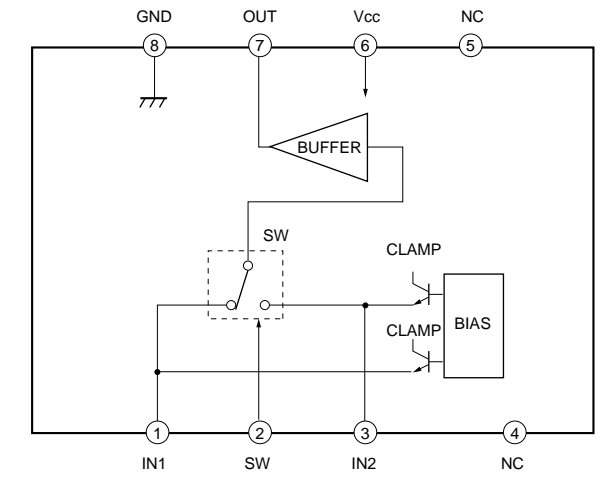
• J(1/5) BOARD IC8304, 8305 : LF50CDDT-TR



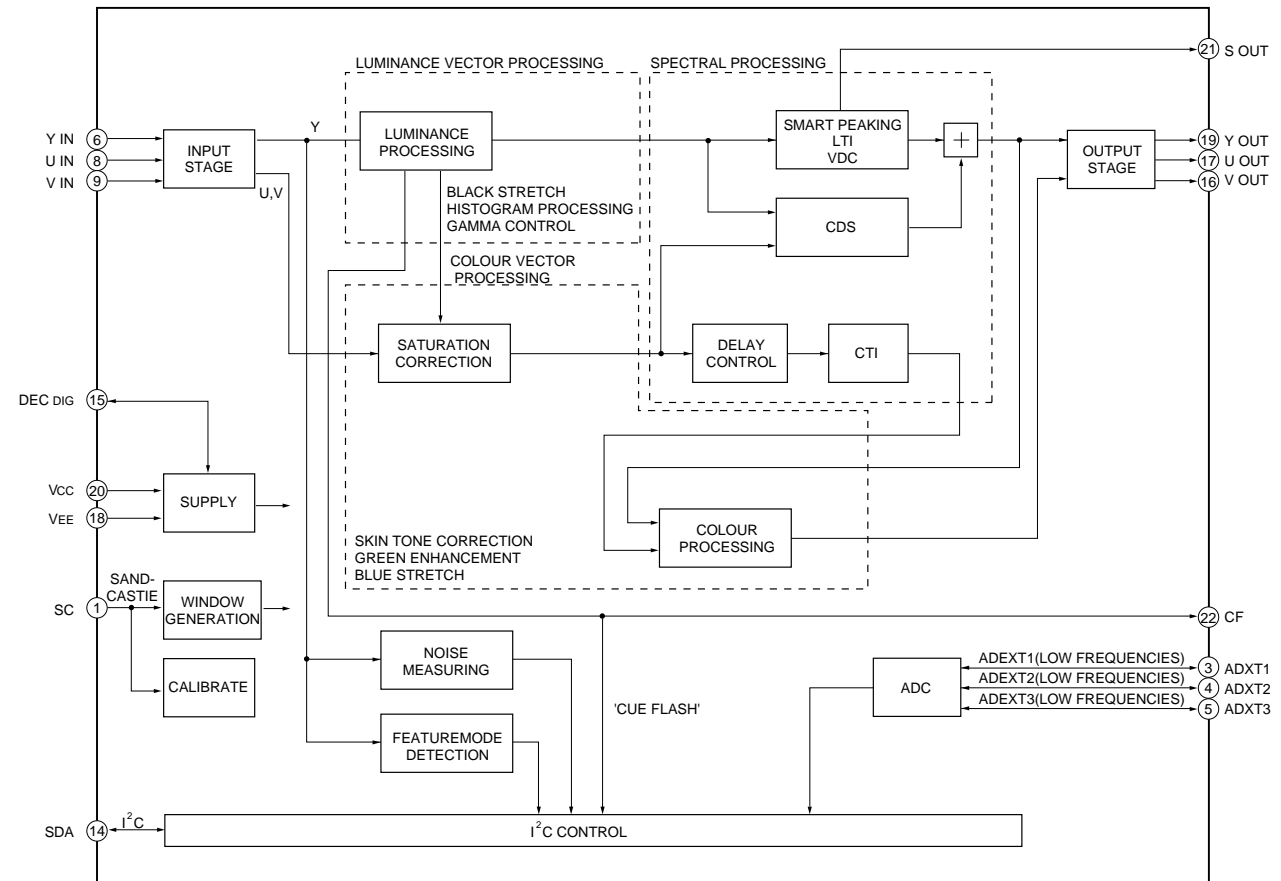
• J(2/5) BOARD IC8312 : TC7SET08FU
J(4/5) BOARD IC8872 : TC7SET08FU



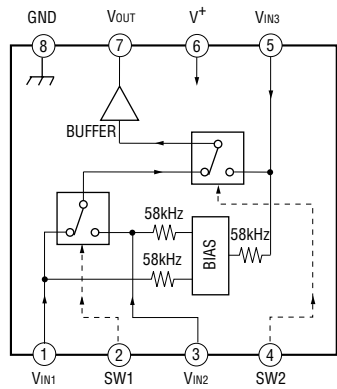
• J(2/5) BOARD IC8309 : MM1111XFBE



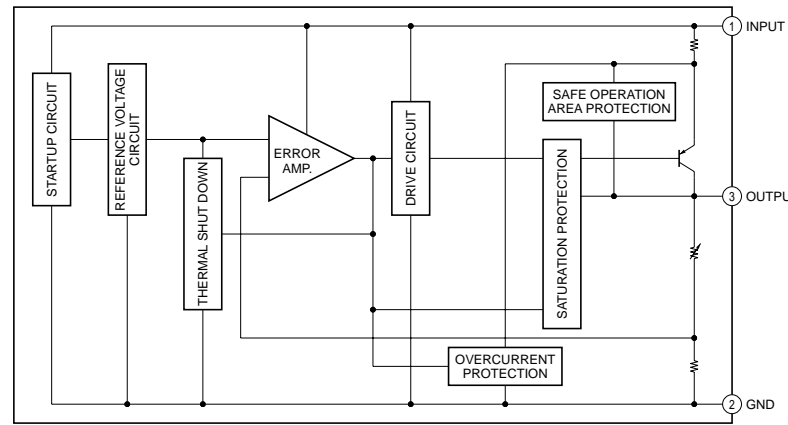
• J(2/5) BOARD IC8310 : TDA9178



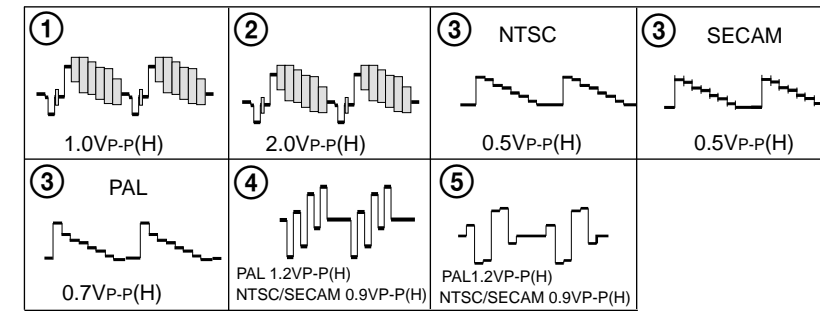
• J(3/5) BOARD IC8801, 8802 : NJM2521M



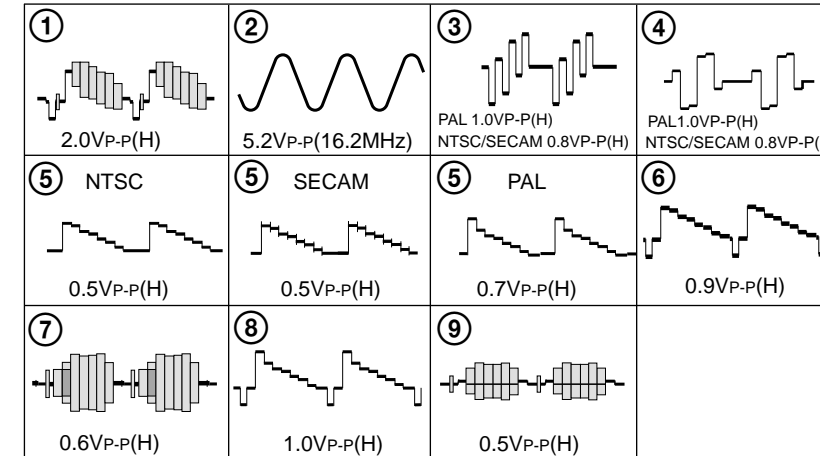
• J(5/5) BOARD IC2001 : UPC2925T-E1



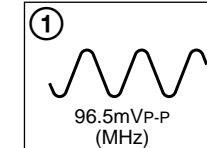
•J(1/5)BOARD WAVEFORMS



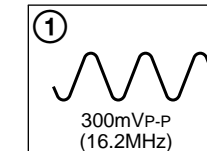
•J(2/5) BOARD WAVEFORMS



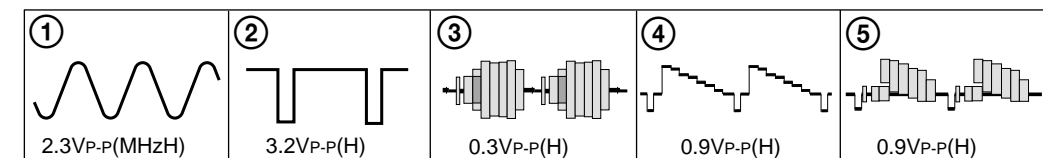
•J(3/5)BOARD WAVEFORM



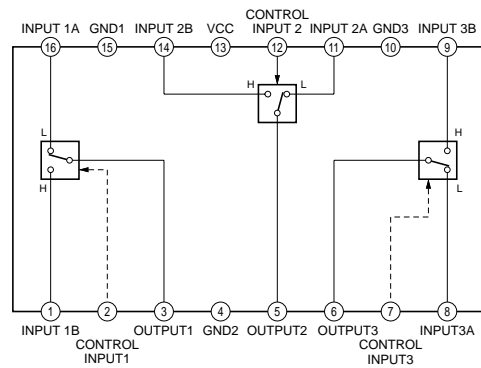
•J(4/5)BOARD WAVEFORM



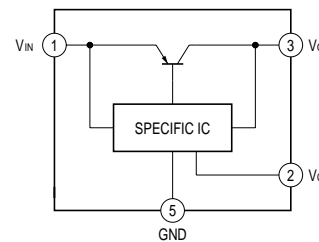
•J(5/5)BOARD WAVEFORMS



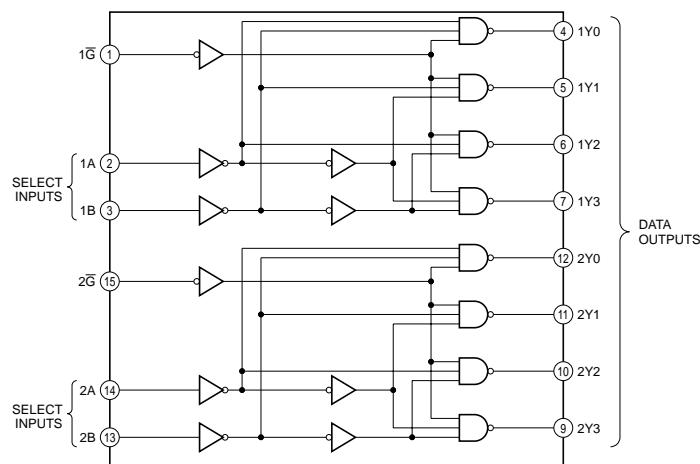
• J(4/5) BOARD IC8870 : M52055FP



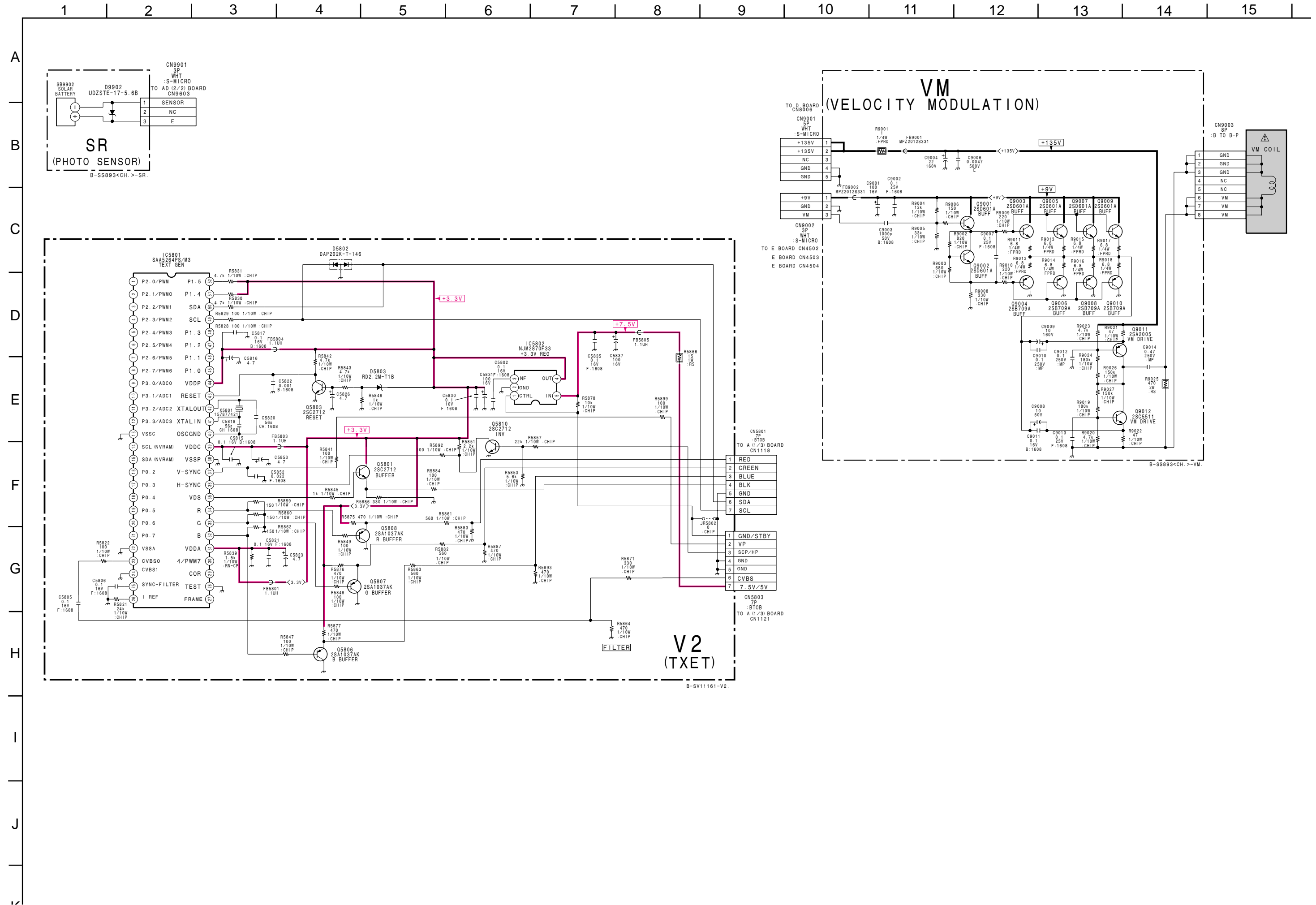
• J(5/5) BOARD IC2005 : PQ3DZ53



• J(4/5) BOARD IC8871 : SN74LV4053ANSR



(11) SR, V2 and VM Boards

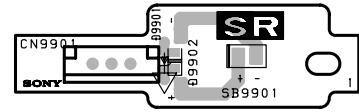


SR [PHOTO SENSOR]

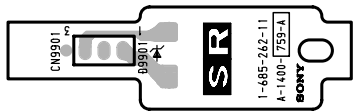
VM [VELOCITY MODULATION]

V2 [TEXT]

— SR BOARD (COMPONENT SIDE) —



— SR BOARD (CONDUCTOR SIDE) —

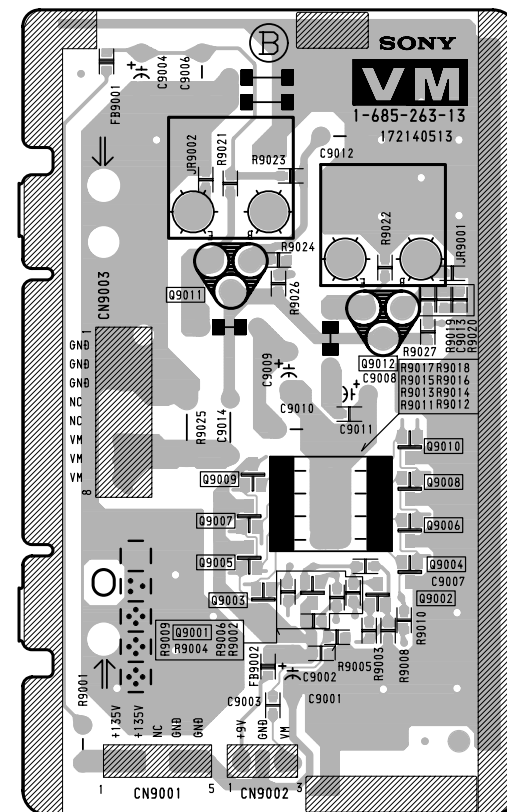


• SR BOARD SEMICONDUCTOR LOCATION

Ref.	*
D9902	③

*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 80)

— VM BOARD (CONDUCTOR SIDE) —

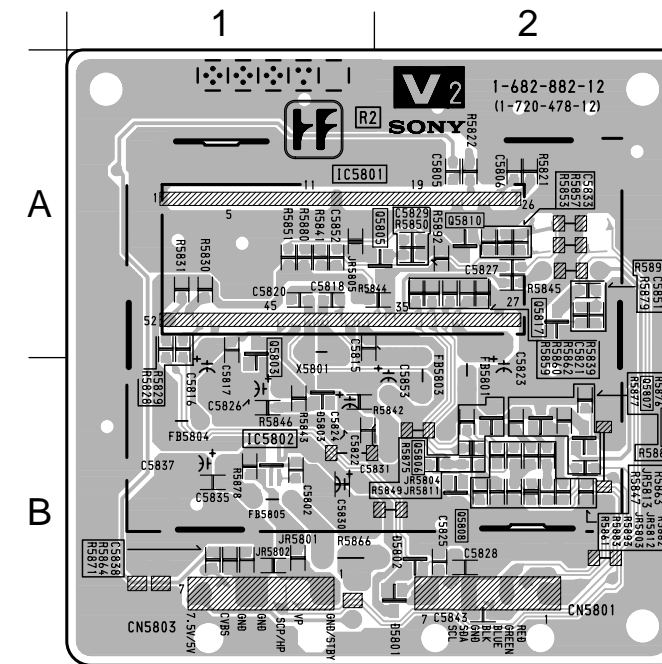


• VM BOARD SEMICONDUCTOR LOCATION

Ref.	*
Q9001-Q9010	③

*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 80)

— V2 BOARD (CONDUCTOR SIDE) —



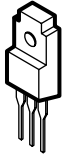
• V2 BOARD SEMICONDUCTOR LOCATION

Ref.	*
D5802	⑩
D5803	④
Q5801, 5803 Q5806-5808 Q5810	①

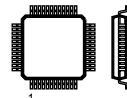
*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 80)

6-5. SEMICONDUCTORS

BA05T
 BA09T
 BA12T

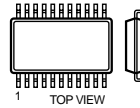


CXD9509AQ



240pin QFP

M12L16161A-7T
 MT48LC1M16A1TG-6S
 W981616BH-7-EL10

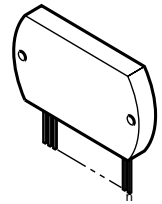


50pin SOP

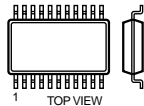
NJM7812FA



STK392-560

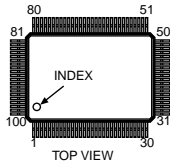


BA9759F-E2



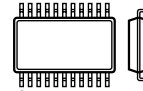
18pin SOP

CXP961048-003Q
 MB94918RPF-G-149-BND
 TC90A90F(BH,DRY)
 UPD64083GF-3BA



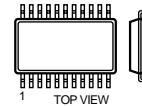
TOP VIEW

M24128-BWMN6T
 M24C32-WMN6T(A)
 MM1115XFBE
 MM1482BFBE
 NJM2068V-TE2
 NJM2521M-TE1
 NJM2903M
 NJM2903M-TE2
 NJM2904M
 NJM2904M(TE2)
 NJM4558M-TE2
 NJM4558V-TE2
 NJM4560M
 NJM4560M-TE2
 UPC4558G2



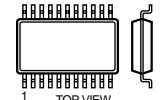
8pin SOP

NJW1139GK1-TE2



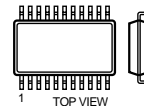
40pin SOP

TC90A69F (ELP)



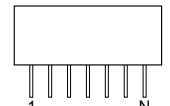
28pin SOP

CD0031AM



48pin SOP

DM-58



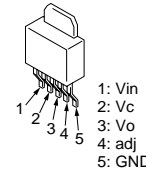
MARKING SIDE VIEW

• pin 1 - N

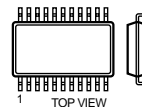
PQ05RD11
 PQ05RD21
 PQ05RF21



PQ07VZ012ZP
 PQ3DZ53U
 PQ3TZ53U

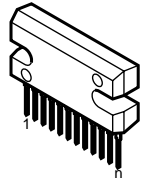


M52055FP
 SN74LV4053ANSR

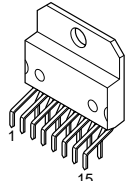


16pin SOP

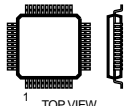
TDA6120Q/N2/S1



TDA7481



CM0017AF



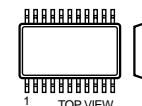
100pin QFP

IS41C16256-35K



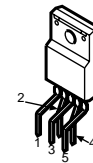
40pin SOJ

MC14066BF
 MC14066BFEL
 TLC2933IPWR-12

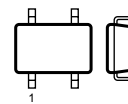


14pin SOP

PQ1CG2032FZ
 PQ5EV3

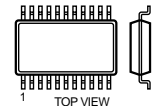


PST9120NL
 PST9143NL
 PST9145NL
 TC7SET08FU(TE85L)
 TC7SET08FU(TE85R)
 TC7W04FU
 TC7W04FU(TE12R)



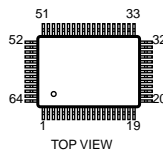
5pin CHIP

TDA9178T/N1.118



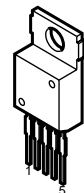
24pin SOP

CXA2069Q
 CXA2170Q
 CXP86460-644Q

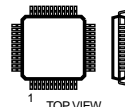


TOP VIEW

LA6500-FA
 LA6500P-FA

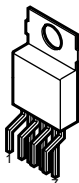


CXA2163AQ-T6
 CXA2171Q
 CXD2309AQ-T6

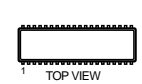


48pin QFP

LA78045

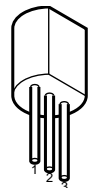


MCZ3001D

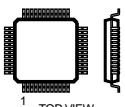


18pin DIP

UPC1093J-1-T

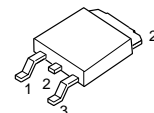


CXA3506R

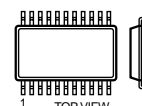


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 UPC2925T-E1

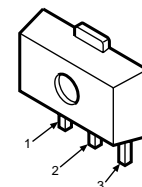


MT48LC2M32B2TG-6
 MT48LC2M32B2TG-7

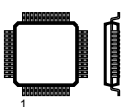


86pin SOP

S-80743AL-A7-S
 S-80743AL-A7-T1



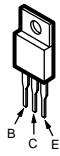
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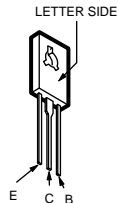
208pin QFP

DTA114EKA-T146
 DTC114EU
 DTC114EUA-T106
 DTC144EKA
 DTC144EKA-T146
 UN2213
 UN2213-TX
 UN5213
 UN5213-TX
 2SA1037AK-T146-QR
 2SA1037AK-T146-R
 2SA1226-E4
 2SA1226-T1E4
 2SA1576A-T106-QR
 2SB709A-QRS-TX
 2SC1623-L5L6
 2SC2412K-T-146-QR
 2SC4081-R
 2SC4081-S
 2SC4081T106R
 2SC4081T106S
 2SD1782K-T146-R
 2SD601A-Q
 2SD601A-QRS-TX

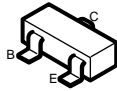
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 2SC5511



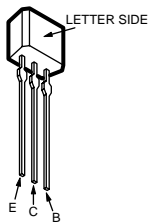
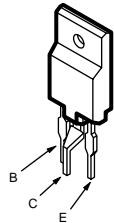
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2SC4634LS-CB11

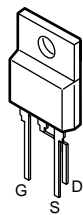
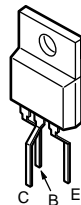


DTC144ESA
 DTC144ESA-TP



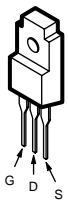
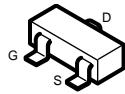
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 2SJ585LS-CC11



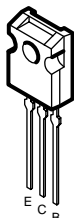
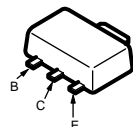
IRFIB7N50A-LF31

2SJ344(TE85L)
 2SK2034
 2SK2034-TE85L



2SA1358-Y
 2SC3421-Y

2SK2036(TE85L)
 T094



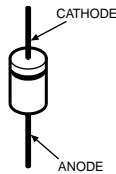
D10SC4M
 D10SC4M-F



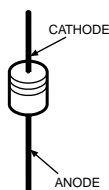
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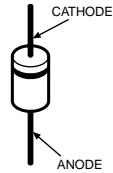
D1NL20U-TA2



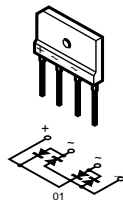
D1NS4
 D1NS4-TA2
 D2L20U
 D2L20U-F
 D2L20U-TA
 HZS9.1NB2
 RB441Q-40T-77
 RD20ESB2
 RD30ESB2
 RD30ES-T1B2
 RD5.1ESB2
 RD5.6ESB2
 RD9.1ES-T1B



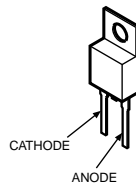
D1NS4-TR
 EL1Z
 GP08D
 GP08DPKG23
 MTZJ-T-77-20B
 MTZJ-T-77-22B
 MTZJ-T-77-5.1B
 MTZJ-T-77-5.6B
 RGP02-17EL-6433
 RGP02-17PKG23
 RGP10GPKG23
 10ERA60-TP
 1SS83
 1SS83TD
 D032



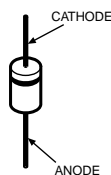
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 D4SBS6
 D6SB60L
 S1VBA20
 D029



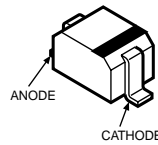
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 D021



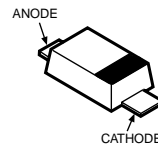
ERA22-08
 S2L20UF
 D030



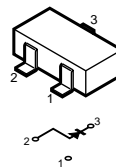
MA111-TX
 MMDL914T1
 RD5.6SB3
 RD5.6SB3-T1
 RD5.6SB-T1
 RD9.1SB
 RD9.1SB-T1
 UDZSTE-1718B
 UDZSTE-1727B
 UDZSTE-1733B
 UDZSTE-174.7B
 UDZSTE-175.1B
 UDZSTE-175.6B
 UDZSTE-176.2B
 UDZSTE-177.5B
 UDZ-TE-17-7.5B
 1SS355TE-17
 D219



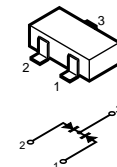
MA2S111-(K8).SO
 RB501V-40TE-17
 D299



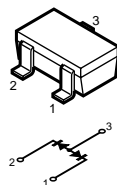
02CZ5.6-TE85L
 D155



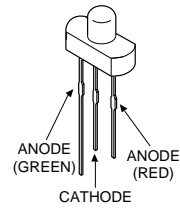
1SS184
 1SS301-TE85L
 D064



1SS300-TE85L
 D201



SPR-325MVW
 L231



SECTION 7 EXPLODED VIEWS

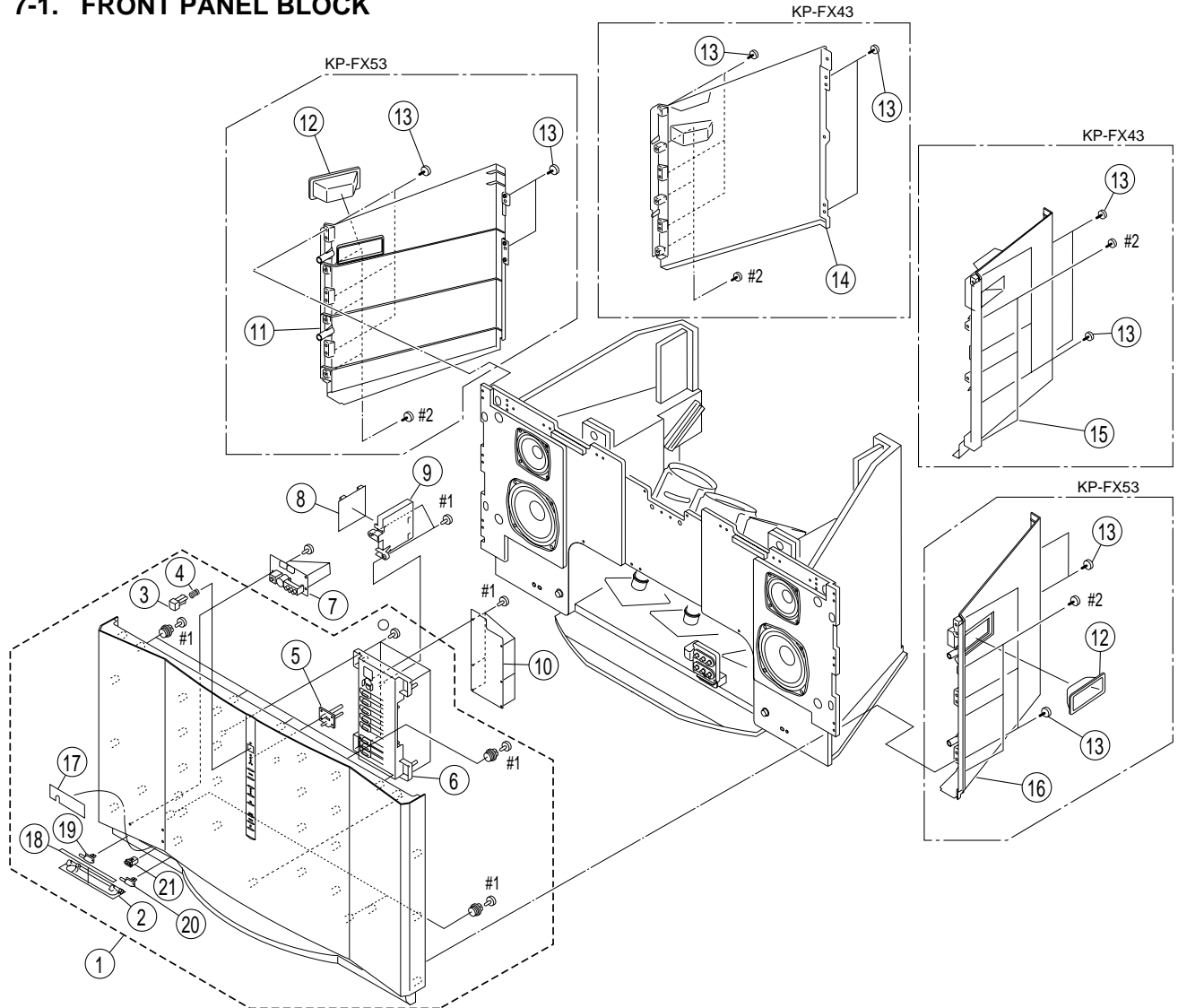
NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

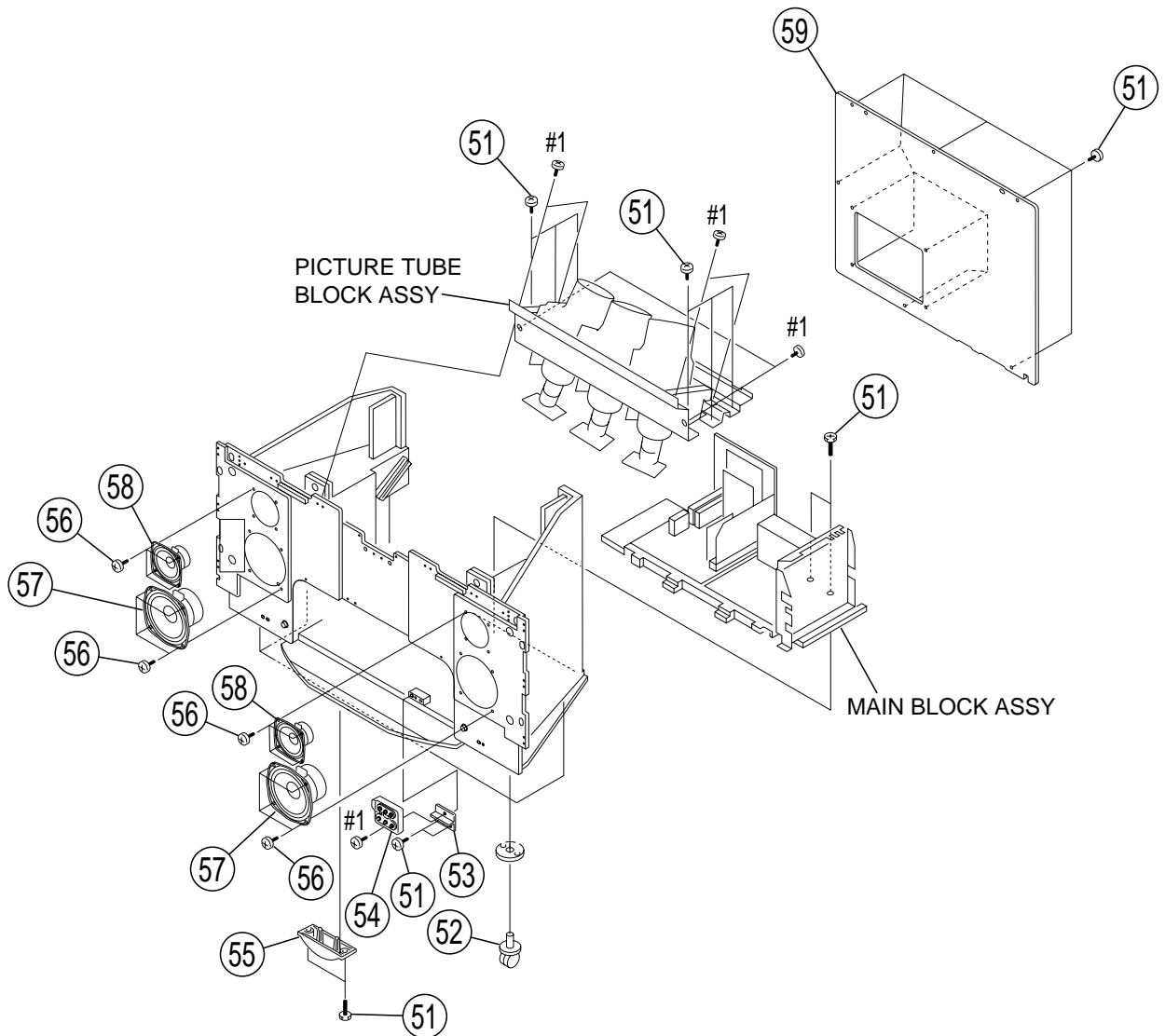
7-1. FRONT PANEL BLOCK



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
1	X-4040-551-1	PANEL, FRONT (53) ASSY (KP-FX53M31/M61/M91)	2-6,17-21	15	4-086-643-01	PANEL (43R), SIDE (KP-FX53M31/M61/M91)	
	X-4040-555-1	PANEL (43) ASSY, FRONT (KP-FX43M31/M61/M91)	2-6,17-21	16	4-086-336-01	PANEL, SIDE (53R) (KP-FX53M31/M61/M91)	
2	4-089-875-01	DOOR		17	4-089-880-01	LABEL, TERMINAL (A)	
3	4-089-872-01	BUTTON, POWER		18	4-089-154-01	LABEL (INDICATION), TERMINAL	
4	4-066-103-11	SPRING, COMPRESSION		19	3-703-035-11	SHAFT, LID	
5	4-087-025-01	GUIDE, LED		20	4-045-250-01	DAMPER	
6	4-089-873-01	BUTTON, CONTROL		21	4-047-464-01	CATCHER, PUSH	
7	*A-1401-488-A	H3 MOUNT		#1	7-685-648-79	+BVTP 3X12	
8	*A-1401-207-A	H1 MOUNT		#2	7-685-663-79	+BVTP 4X16	
9	*4-090-314-01	BRACKET, H PWB					
10	*A-1401-208-A	H2 MOUNT					
11	4-086-335-01	PANEL, SIDE (53L) (KP-FX53M31/M61/M91)					
12	4-089-124-11	HANDLE (KP-FX43M31/M61/M91)					
13	4-378-522-01	SCREW, TAPPING, HEXAGON HEAD					
14	4-086-642-01	PANEL (53L), SIDE (KP-FX43M31/M61/M91)					

7-2. CABINET BLOCK (KP-FX53)

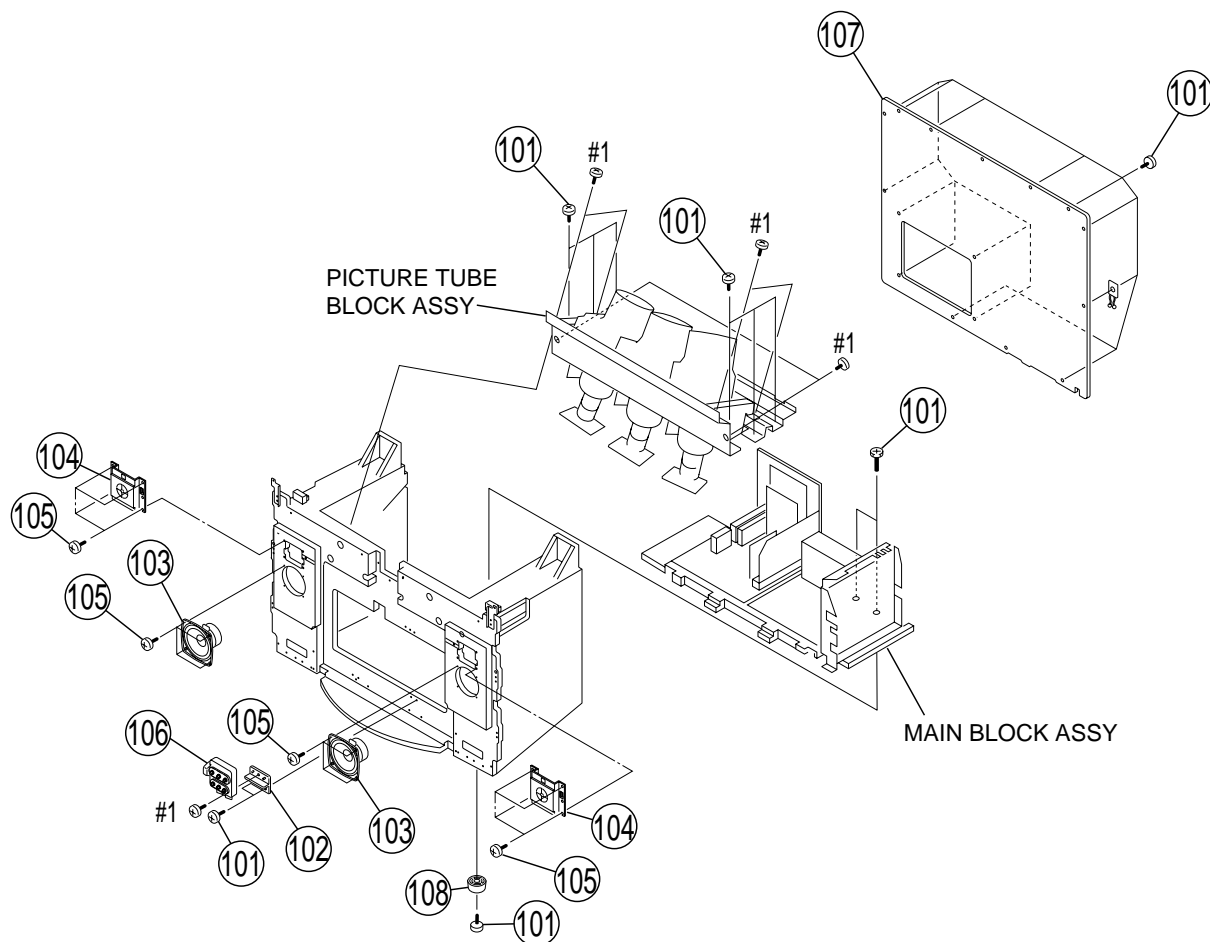
The components identified by shading and mark Δ are critical for safety.
 Replace only with part number specified.



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
51	4-378-522-01	SCREW, TAPPING, HEXAGON HEAD		56	4-378-522-31	SCREW, TAPPING, HEXAGON HEAD	
52	4-075-244-01	CASTER (30 DIA.)		57	1-825-203-11	LOUDSPEAKER (16CM)	
53	* 4-076-722-02	BRACKET, FP		58	1-825-204-11	LOUDSPEAKER (10CM)	
54	Δ 1-223-925-71	RESISTOR ASSY (HIGH-VOLTAGE)		59	* 4-089-340-11	BOARD, REAR (53)	
55	4-085-858-11	FOOT, FRONT		#1	7-685-663-79	+BVTP 4X16	

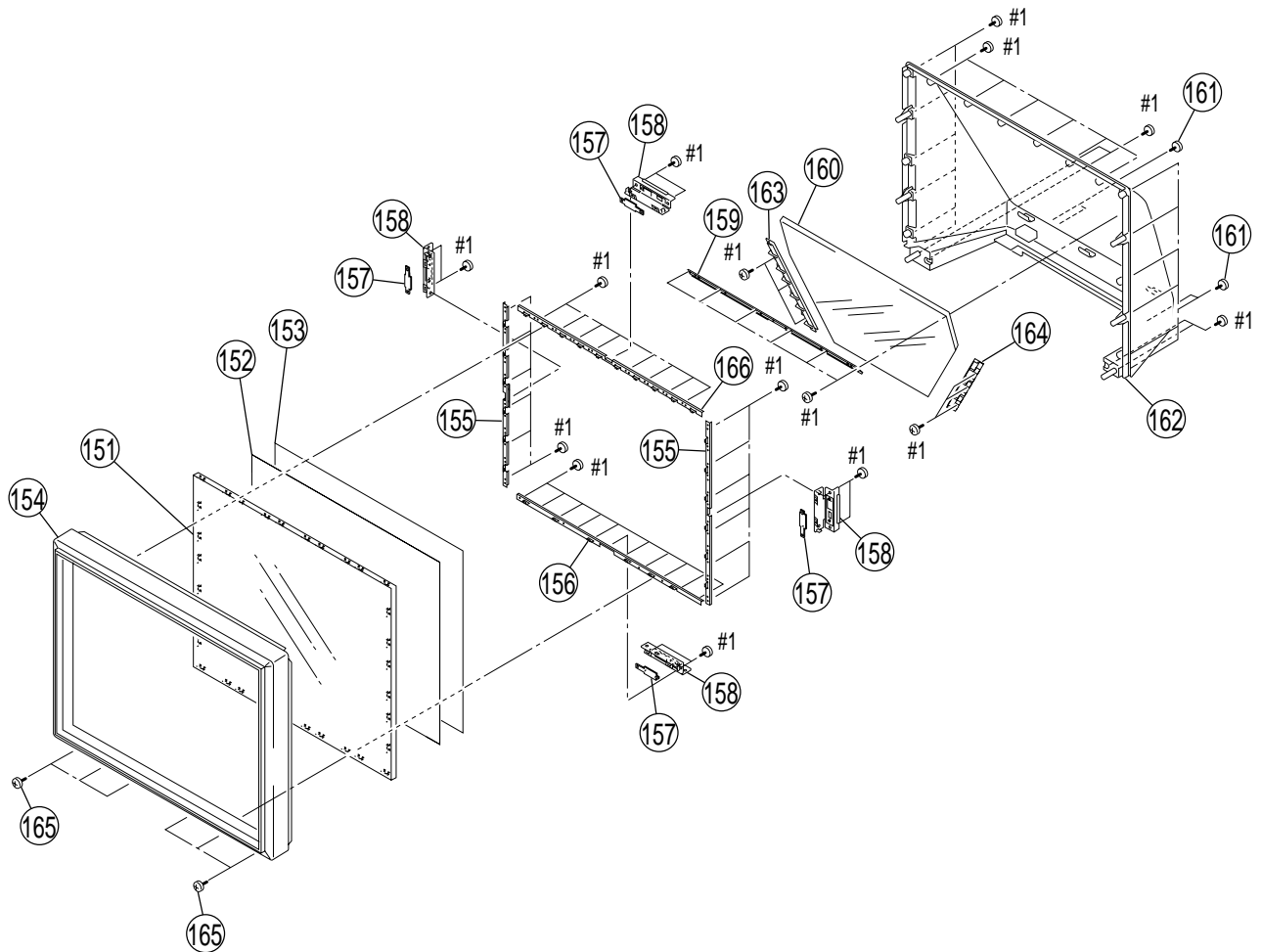
7-3. CABINET BLOCK (KP-FX43)

The components identified by shading and mark Δ are critical for safety.
 Replace only with part number specified.



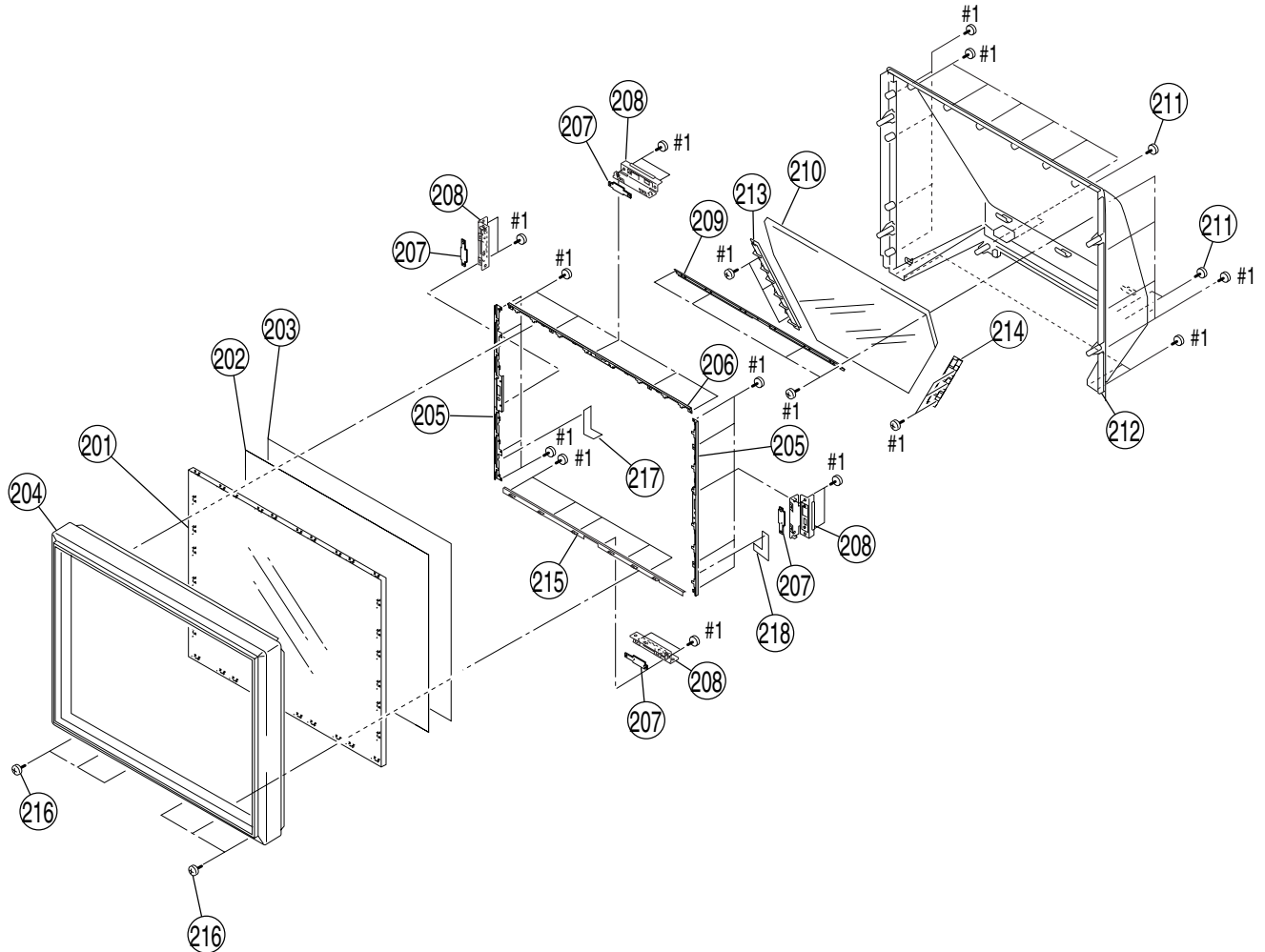
REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
101	4-378-522-31	SCREW, TAPPING, HEXAGON HEAD		106	Δ 1-223-925-71	RESISTOR ASSY (HIGH-VOLTAGE)	
102	*4-076-722-02	BRACKET, FP		107	*4-086-653-11	BOARD (43), REAR	
103	1-825-201-11	LOUDSPEAKER (12CM)		108	4-076-577-01	FOOT	
104	1-825-202-11	LOUDSPEAKER (2.8CM)		#1	7-685-663-79	+BVTP 4X16	
105	4-378-522-01	SCREW, TAPPING, HEXAGON HEAD					

7-4. BEZENET AND MIRROR COVER BLOCK (KP-FX53)



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
151	4-089-284-11	SCREEN (53), CONTRAST		161	4-378-522-01	SCREW, TAPPING, HEXAGON HEAD	
152	4-089-285-11	PLATE (53L), DIFFUSION		162	*4-086-334-01	COVER, MIRROR (53)	
153	4-089-286-11	PLATE (53F), DIFFUSION		163	*4-086-645-01	HOLDER (SL), MIRROR	
154	X-4040-550-1	BEZEL (53) ASSY		164	*4-086-646-01	HOLDER (SR), MIRROR	
155	*4-089-879-01	HOLDER (53 SIDE), SCREEN		165	4-378-522-01	SCREW, TAPPING, HEXAGON HEAD	
156	*4-089-878-01	HOLDER (53 LOWER), SCREEN		166	*4-089-877-01	HOLDER (53 UPPER), SCREEN	
157	*A-1400-759-A	SR MOUNT		#1	7-685-663-79	+BVTP 4X16	
158	*4-089-876-01	HOLDER, SENSOR					
159	*4-088-468-01	HOLDER (UPPER), MIRROR					
160	4-089-338-11	MIRROR (53), REFLECTION					

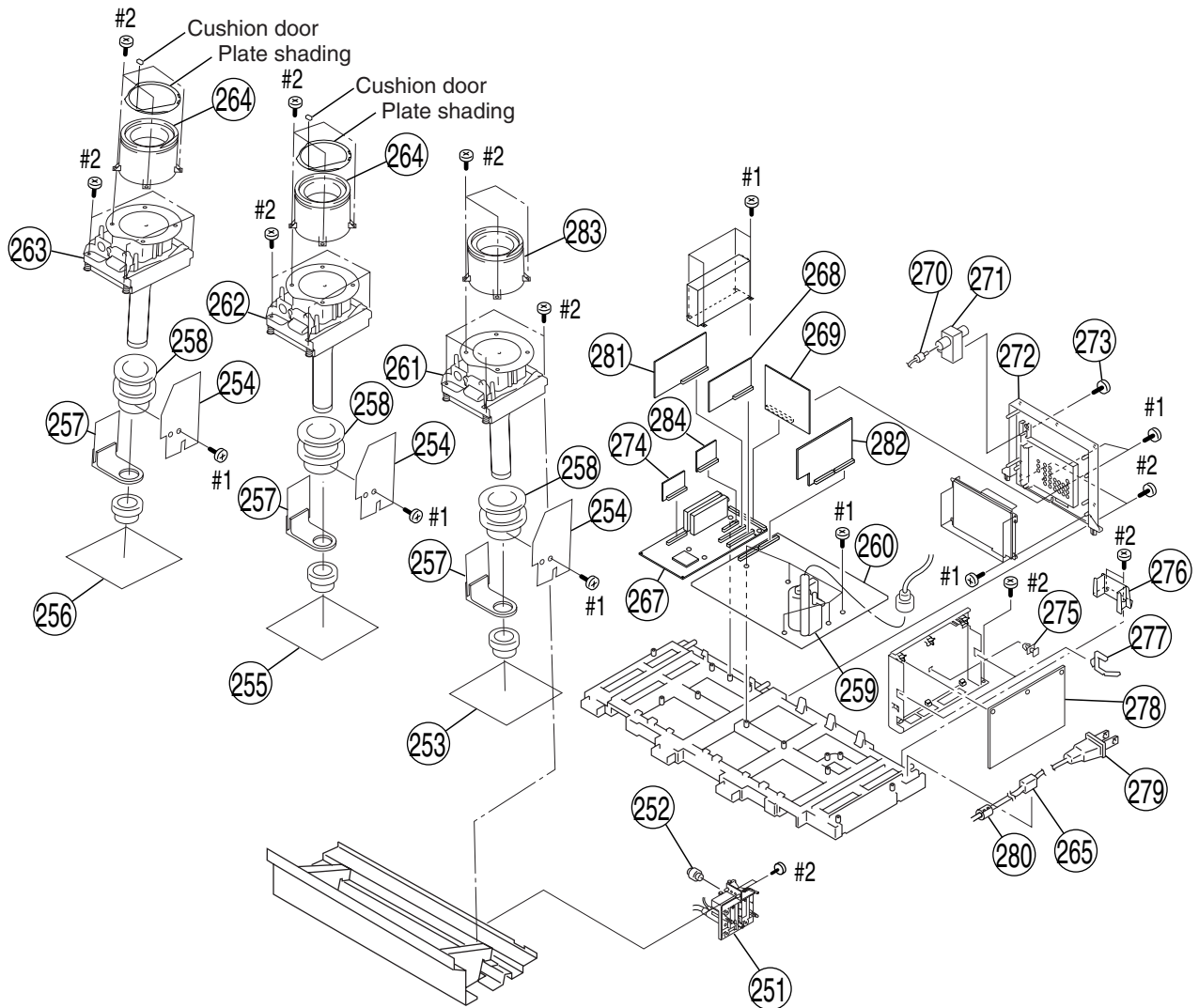
7-5. BEZENET AND MIRROR COVER BLOCK (KP-FX43)



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
201	4-089-287-11	SCREEN (43), CONTRAST		211	4-378-522-01	SCREW, TAPPING, HEXAGON HEAD	
202	4-091-897-11	PLATE (43L), DIFFUSION		212	*4-086-641-01	COVER (43), MIRROR	
203	4-089-289-11	PLATE (43F), DIFFUSION		213	*4-086-645-01	HOLDER (SL), MIRROR	
204	X-4040-554-1	BEZEL (43) ASSY		214	*4-086-646-01	HOLDER (SR), MIRROR	
205	*4-089-886-01	HOLDER (43 SIDE), SCREEN		215	*4-089-885-01	HOLDER (43 LOWER), SCREEN	
206	*4-089-884-01	HOLDER (43 UPPER), SCREEN		216	4-378-522-01	SCREW, TAPPING, HEXAGON HEAD	
207	*A-1400-759-A	SR MOUNT		217	4-092-168-01	BRACKET, HOLDER (43L)	
208	*4-089-876-01	HOLDER, SENSOR		218	4-092-167-01	BRACKET, HOLDER (43R)	
209	*4-086-648-01	HOLDER (TOP), MIRROR					
210	4-089-324-11	MIRROR (43)		#1	7-685-663-79	+BVTP 4X16	

7-6. MAIN BRACKET AND PICTURE TUBE BLOCK

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
251	Δ 8-598-955-32	BLOCK ASSY, HV HVB-1031		271	1-251-658-41	SPLITTER RF	
252	4-373-137-01	CAP (Z), RUBBER		272	4-089-292-02	BRACKET, TERMINAL	
253	* A-1401-192-A	CB BOARD, MOUNT		273	4-382-854-11	SCREW(M3X10), P, SW(+)	
254	* 4-085-133-12	PWB PROTECTION SHEET		274	* A-1400-957-A	V2 BOARD, MOUNT	
255	* A-1401-191-A	CG BOARD, MOUNT		275	* 4-089-377-01	SUPPORT, G	
256	* A-1401-190-A	CR BOARD, MOUNT		276	* 4-046-677-11	HOLDER (B), PWB	
257	* A-1401-588-A	VM BOARD, MOUNT (VAR)		277	* 4-316-015-00	HOLDER, WIRE	
258	Δ 1-451-537-13	DEFLECTION YOKE		278	* A-1300-994-A	G BOARD, COMPLETE	
259	Δ 1-453-285-41	FBT ASSY NX-4006/M3P4		279	Δ 1-757-345-11	CORD, POWER (WITH FILTER)	
260	* A-1300-890-A	D BOARD, COMPLETE				(KP-FX43M31, FX53M31)	
261	Δ 1-451-557-05	CRT P16LXL00BMB(U)			Δ 1-791-439-11	CORD, POWER (WITH CONNECTOR)	
262	Δ 1-451-558-05	CRT P16LXL00HHA(U)				(KP-FX43M61/M91, FX53M61/M91)	
263	Δ 1-451-559-05	CRT P16LXL00RFA(U)		280	1-543-982-12	CORE, FERRITE	
264	4-089-488-01	LENS (HSEL-02-45)		281	* A-1300-504-A	B4 BOARD, COMPLETE	
265	4-022-115-00	HOLDER, AC CORD		282	* A-1300-902-A	AD BOARD, COMPLETE	
266	* A-1401-998-A	A1 BOARD, MOUNT		283	4-089-488-11	LENS (HSEL-02-45)	
267	* A-1300-962-A	A BOARD, MOUNT(KP-FX53M61/M91)		#1	7-685-648-79	+BVTP 3X12	
	* A-1300-963-A	A BOARD, MOUNT(KP-FX43M61/M91)		#2	7-685-663-79	+BVTP 4X16	
	* A-1302-040-A	A BOARD, MOUNT(KP-FX53M31)					
	* A-1302-041-A	A BOARD, MOUNT(KP-FX43M31)					
268	* A-1404-607-A	E BOARD, MOUNT					
269	* A-1300-956-A	J BOARD, COMPLETE					
270	* 1-555-110-00	CABLE, PIN					

SECTION 8 ELECTRICAL PARTS LIST



NOTE:

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

When indicating parts by reference number, please include the board name.

- The components identified by \blacksquare in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS

- All resistors are in ohms
- F : nonflammable

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- CAPACITORS
PF : μ F
- There are some cases the reference number on one board overlaps on the other board. Therefore, when ordering parts by the reference number, please include the board name.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
	*A-1401-190-A	CR BOARD, MOUNT *****				<COIL>	
	4-382-854-11	SCREW (M3X10), P, SW (+)		L9101	1-414-856-11	INDUCTOR 10UH	
		<CAPACITOR>		L9102	1-414-855-31	INDUCTOR 1UH	
				L9103	1-414-856-11	INDUCTOR 10UH	
C9101	1-104-570-11	CERAMIC 0.001UF	10.00% 2KV			<NEON LAMP>	
C9102	1-162-919-11	CERAMIC CHIP 22PF	5.00% 50V				
C9103	1-164-156-11	CERAMIC CHIP 0.1UF	25V	NL9102	1-517-778-21	LAMP, NEON	
C9105	1-107-962-11	ELECT 22UF	20.00% 250V			<TRANSISTOR>	
C9106	1-161-830-00	CERAMIC 0.0047UF	500V				
C9107	1-101-003-00	CERAMIC 0.0047UF	50V				
C9108	1-126-935-11	ELECT 470UF	20.00% 16V	Q9101	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
C9110	1-164-156-11	CERAMIC CHIP 0.1UF	25V	Q9102	8-729-028-28	TRANSISTOR 2SK2036(TE85L)	
C9111	1-164-156-11	CERAMIC CHIP 0.1UF	25V	Q9103	8-729-026-49	TRANSISTOR 2SA1037AK-T146-QR	
C9112	1-126-933-11	ELECT 100UF	20.00% 16V	Q9104	8-729-026-49	TRANSISTOR 2SA1037AK-T146-QR	
C9114	1-162-966-11	CERAMIC CHIP 0.0022U	10.00% 50V	Q9105	8-729-122-63	TRANSISTOR 2SA1226-T1E4	
C9115	1-101-003-00	CERAMIC 0.0047UF	50V			<RESISTOR>	
C9117	1-164-156-11	CERAMIC CHIP 0.1UF	25V				
C9119	1-162-318-11	CERAMIC 0.001UF	10.00% 500V	R9101	1-260-133-11	CARBON 680K	5% 1/2W
		<CONNECTOR>		R9102	1-249-425-11	CARBON 4.7K	5% 1/4W
CN9101	*1-564-511-31	PLUG, CONNECTOR 8P		R9103	1-216-809-11	METAL CHIP 100	5% 1/10W
CN9102	*1-564-507-11	PLUG, CONNECTOR 4P		R9104	1-260-132-11	CARBON 560K	5% 1/2W
CN9103	*1-564-508-11	PLUG, CONNECTOR 5P		R9105	1-218-696-11	METAL CHIP 1.5K	0.5% 1/10W
CN9104	1-695-915-11	TAB (CONTACT)					
CN9105	1-695-915-11	TAB (CONTACT)		R9106	1-218-680-11	METAL CHIP 330	0.5% 1/10W
				R9107	1-216-825-11	METAL CHIP 2.2K	5% 1/10W
CN9107	1-785-879-11	CONNECTOR, ONE TOUCH		R9108	1-218-716-11	METAL CHIP 10K	0.5% 1/10W
CN9110	1-695-915-11	TAB (CONTACT)		R9109	1-218-690-11	METAL CHIP 820	0.5% 1/10W
CN9111	1-695-915-11	TAB (CONTACT)		R9111	1-219-743-11	METAL 100	5% 1/2W
		<DIODE>					
D9101	8-719-901-83	DIODE 1SS83TD		R9114	1-218-700-11	METAL CHIP 2.2K	0.5% 1/10W
D9104	8-719-901-83	DIODE 1SS83TD		R9115	1-218-708-11	METAL CHIP 4.7K	0.5% 1/10W
D9109	8-719-404-50	DIODE MA111-TX		R9116	1-260-328-11	CARBON 1K	5% 1/2W
		<IC>		R9120	1-215-926-00	METAL OXIDE 33K	5% 3W
IC9101	8-759-680-01	IC TDA6120Q/N2/S1		R9121	1-260-087-11	CARBON 100	5% 1/2W
		<JACK>					
J9101	\triangle 1-251-182-41	SOCKET, CRT		R9122	1-260-320-11	CARBON 220	5% 1/2W
				R9126	1-218-748-11	METAL CHIP 220K	0.5% 1/10W
				R9127	1-218-748-11	METAL CHIP 220K	0.5% 1/10W
				R9129	1-216-829-11	METAL CHIP 4.7K	5% 1/10W
				R9131	1-216-823-11	METAL CHIP 1.5K	5% 1/10W
				R9132	1-216-833-11	METAL CHIP 10K	5% 1/10W
				R9133	1-216-809-11	METAL CHIP 100	5% 1/10W
				R9134	1-216-821-11	METAL CHIP 1K	5% 1/10W
				R9135	1-260-087-11	CARBON 100	5% 1/2W
				R9136	1-218-700-11	METAL CHIP 2.2K	0.5% 1/10W
				R9137	1-218-700-11	METAL CHIP 2.2K	0.5% 1/10W

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
		<SPARK GAP>				<NEON LAMP>	
SG9101	1-517-729-31	GAP, SPARK		NL9202	1-517-778-21	LAMP, NEON	
SG9102	1-519-422-11	GAP, SPARK				<TRANSISTOR>	
*****						<RESISTOR>	
	*A-1401-191-A	CG BOARD, MOUNT		Q9201	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
		*****		Q9202	8-729-028-28	TRANSISTOR 2SK2036(TE85L)	
	4-382-854-11	SCREW (M3X10), P, SW (+)		Q9203	8-729-026-49	TRANSISTOR 2SA1037AK-T146-QR	
				Q9204	8-729-122-63	TRANSISTOR 2SA1226-T1E4	
		<CAPACITOR>					
C9201	1-107-662-11	ELECT	22UF 20.00% 250V	R9201	1-260-133-11	CARBON	680K 5% 1/2W
C9202	1-104-570-11	CERAMIC	0.001UF 10.00% 2KV	R9202	1-260-132-11	CARBON	560K 5% 1/2W
C9203	1-164-156-11	CERAMIC CHIP	0.1UF 25V	R9203	1-249-425-11	CARBON	4.7K 5% 1/4W
C9204	1-126-935-11	ELECT	470UF 20.00% 16V	R9204	1-216-809-11	METAL CHIP	100 5% 1/10W
C9205	1-164-378-11	CERAMIC CHIP	30PF 5.00% 50V	R9205	1-218-716-11	METAL CHIP	10K 0.5% 1/10W
C9207	1-164-156-11	CERAMIC CHIP	0.1UF 25V	R9206	1-218-678-11	METAL CHIP	270 0.5% 1/10W
C9208	1-164-156-11	CERAMIC CHIP	0.1UF 25V	R9207	1-218-694-11	METAL CHIP	1.2K 0.5% 1/10W
C9209	1-101-003-00	CERAMIC	0.0047UF 50V	R9208	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
C9211	1-126-933-11	ELECT	100UF 20.00% 16V	R9209	1-218-690-11	METAL CHIP	820 0.5% 1/10W
C9213	1-161-830-00	CERAMIC	0.0047UF 500V	R9210	1-219-743-11	METAL	100 5% 1/2W
C9214	1-162-966-11	CERAMIC CHIP	0.0022UF 10.00% 50V	R9216	1-218-699-11	METAL CHIP	2K 0.5% 1/10W
C9216	1-101-003-00	CERAMIC	0.0047UF 50V	R9217	1-218-708-11	METAL CHIP	4.7K 0.5% 1/10W
C9217	1-164-156-11	CERAMIC CHIP	0.1UF 25V	R9220	1-215-926-00	METAL OXIDE	33K 5% 3W
C9219	1-162-318-11	CERAMIC	0.001UF 10.00% 500V	R9221	1-260-328-11	CARBON	1K 5% 1/2W
		<CONNECTOR>		R9222	1-260-087-11	CARBON	100 5% 1/2W
CN9201	*1-564-511-11	PLUG, CONNECTOR 8P		R9223	1-260-320-11	CARBON	220 5% 1/2W
CN9202	*1-564-511-11	PLUG, CONNECTOR 8P		R9225	1-218-744-11	METAL CHIP	150K 0.5% 1/10W
CN9203	*1-564-507-11	PLUG, CONNECTOR 4P		R9226	1-218-744-11	METAL CHIP	150K 0.5% 1/10W
CN9204	*1-564-507-11	PLUG, CONNECTOR 4P		R9228	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
CN9205	*1-564-506-11	PLUG, CONNECTOR 3P		R9230	1-216-823-11	METAL CHIP	1.5K 5% 1/10W
CN9206	*1-564-509-11	PLUG, CONNECTOR 6P		R9231	1-260-087-11	CARBON	100 5% 1/2W
CN9207	1-695-915-11	TAB (CONTACT)		R9232	1-218-700-11	METAL CHIP	2.2K 0.5% 1/10W
CN9208	1-695-915-11	TAB (CONTACT)		R9233	1-218-700-11	METAL CHIP	2.2K 0.5% 1/10W
CN9209	1-785-879-11	CONNECTOR, ONE TOUCH				<SPARK GAP>	
CN9210	1-695-915-11	TAB (CONTACT)		SG9201	1-517-729-31	GAP, SPARK	
CN9211	1-695-915-11	TAB (CONTACT)		SG9202	1-519-422-11	GAP, SPARK	
		<DIODE>		*****			
D9201	8-719-901-83	DIODE 1SS83TD				*A-1401-192-A	CB BOARD, MOUNT
D9206	8-719-901-83	DIODE 1SS83TD					*****
D9209	8-719-404-50	DIODE MA111-TX				4-382-854-11	SCREW (M3X10), P, SW (+)
		<IC>				<CAPACITOR>	
IC9201	8-759-680-01	IC TDA6120Q/N2/S1		C9301	1-104-570-11	CERAMIC	0.001UF 10.00% 2KV
		<JACK>		C9302	1-101-003-00	CERAMIC	0.0047UF 50V
J9201	Δ 1-251-182-41	SOCKET, CRT		C9303	1-107-662-11	ELECT	22UF 20.00% 250V
		<COIL>		C9304	1-162-920-11	CERAMIC CHIP	27PF 5.00% 50V
L9201	1-414-856-11	INDUCTOR 10UH		C9305	1-162-916-11	CERAMIC CHIP	12PF 5.00% 50V
L9202	1-414-855-31	INDUCTOR 1UH		C9306	1-164-156-11	CERAMIC CHIP	0.1UF 25V
L9203	1-414-856-11	INDUCTOR 10UH		C9307	1-126-935-11	ELECT	470UF 20.00% 16V
				C9309	1-164-156-11	CERAMIC CHIP	0.1UF 25V
				C9310	1-164-156-11	CERAMIC CHIP	0.1UF 25V
				C9311	1-126-933-11	ELECT	100UF 20.00% 16V

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C9312	1-161-830-00	CERAMIC	0.0047UF 500V	R9303	1-260-133-11	CARBON 680K	5% 1/2W
C9313	1-164-156-11	CERAMIC CHIP	0.1UF 25V	R9304	1-260-132-11	CARBON 560K	5% 1/2W
C9314	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V	R9305	1-219-743-11	METAL 100	5% 1/2W
C9315	1-162-966-11	CERAMIC CHIP	0.0022UF 10.00% 50V	R9306	1-218-682-11	METAL CHIP 390	0.5% 1/10W
C9316	1-101-003-00	CERAMIC	0.0047UF 50V	R9307	1-218-696-11	METAL CHIP 1.5K	0.5% 1/10W
C9318	1-164-156-11	CERAMIC CHIP	0.1UF 25V	R9308	1-218-684-11	METAL CHIP 470	0.5% 1/10W
C9319	1-162-318-11	CERAMIC	0.001UF 10.00% 500V	R9309	1-218-698-11	METAL CHIP 1.8K	0.5% 1/10W
C9320	1-125-891-11	CERAMIC CHIP	0.47UF 10.00% 10V	R9313	1-218-723-11	METAL CHIP 20K	0.5% 1/10W
<CONNECTOR>				R9314	1-218-704-11	METAL CHIP 3.3K	0.5% 1/10W
CN9301	*1-564-510-11	PLUG, CONNECTOR 7P		R9315	1-218-706-11	METAL CHIP 3.9K	0.5% 1/10W
CN9302	*1-564-511-11	PLUG, CONNECTOR 8P		R9316	1-218-698-11	METAL CHIP 1.8K	0.5% 1/10W
CN9303	*1-564-507-11	PLUG, CONNECTOR 4P		R9317	1-218-708-11	METAL CHIP 4.7K	0.5% 1/10W
CN9304	1-695-915-11	TAB (CONTACT)		R9318	1-216-825-11	METAL CHIP 2.2K	5% 1/10W
CN9306	1-695-915-11	TAB (CONTACT)		R9319	1-249-425-11	CARBON 4.7K	5% 1/4W
CN9308	1-785-879-11	CONNECTOR, ONE TOUCH		R9320	1-215-926-00	METAL OXIDE 33K	5% 3W
CN9309	*1-564-507-11	PLUG, CONNECTOR 4P		R9323	1-260-328-11	CARBON 1K	5% 1/2W
CN9310	1-695-915-11	TAB (CONTACT)		R9324	1-260-087-11	CARBON 100	5% 1/2W
CN9311	1-695-915-11	TAB (CONTACT)		R9325	1-260-320-11	CARBON 220	5% 1/2W
<DIODE>				R9327	1-218-749-11	METAL CHIP 240K	0.5% 1/10W
D9301	8-719-404-50	DIODE MA111-TX		R9328	1-218-749-11	METAL CHIP 240K	0.5% 1/10W
D9302	8-719-901-83	DIODE 1SS83TD		R9330	1-216-829-11	METAL CHIP 4.7K	5% 1/10W
D9303	8-719-404-50	DIODE MA111-TX		R9332	1-216-823-11	METAL CHIP 1.5K	5% 1/10W
D9309	8-719-901-83	DIODE 1SS83TD		R9333	1-218-699-11	METAL CHIP 2K	0.5% 1/10W
<IC>				R9334	1-218-849-11	METAL SHIP 1.2K	5% 1/10W
IC9301	8-759-680-01	IC TDA6120Q/N2/S1		R9335	1-249-393-11	CARBON 10	5% 1/4W
<JACK>				R9336	1-216-833-11	METAL SHIP 10K	5% 1/10W
J9301	Δ 1-251-182-41	SOCKET, CRT		R9337	1-216-833-11	METAL SHIP 10K	5% 1/10W
<COIL>				R9338	1-216-821-11	METAL SHIP 1K	5% 1/10W
L9301	1-414-856-11	INDUCTOR 10UH		R9339	1-260-087-11	CARBON 100	5% 1/2W
L9302	1-414-855-31	INDUCTOR 1UH		R9340	1-216-833-11	METAL CHIP 10K	5% 1/10W
L9303	1-414-856-11	INDUCTOR 10UH		R9341	1-216-821-11	METAL CHIP 1K	5% 1/10W
<NEON LAMP>				R9342	1-216-834-11	METAL CHIP 12K	5% 1/10W
NL9302	1-517-778-21	LAMP, NEON		R9343	1-216-833-11	METAL CHIP 10K	5% 1/10W
<TRANSISTOR>				R9344	1-216-845-11	METAL CHIP 100K	5% 1/10W
Q9301	8-729-424-02	TRANSISTOR 2SB709A-QRS-TX		R9345	1-216-829-11	METAL CHIP 4.7K	5% 1/10W
Q9302	8-729-028-28	TRANSISTOR 2SK2036(TE85L)		R9346	1-216-833-11	METAL CHIP 10K	5% 1/10W
Q9303	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR		R9347	1-216-809-11	METAL CHIP 100	5% 1/10W
Q9304	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR		R9348	1-216-821-11	METAL CHIP 1K	5% 1/10W
Q9305	8-729-026-49	TRANSISTOR 2SA1037AK-T146-QR		R9349	1-216-805-11	METAL CHIP 47	5% 1/10W
Q9306	8-729-026-49	TRANSISTOR 2SA1037AK-T146-QR		R9350	1-218-700-11	METAL CHIP 2.2K	0.5% 1/10W
Q9307	8-729-026-49	TRANSISTOR 2SA1037AK-T146-QR		R9351	1-218-700-11	METAL CHIP 2.2K	0.5% 1/10W
Q9308	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR		<SPARK GAP>			
Q9309	8-729-122-63	TRANSISTOR 2SA1226-T1E4		SG9301	1-517-729-31	GAP, SPARK	
<RESISTOR>				SG9302	1-519-422-11	GAP, SPARK	
R9301	1-216-809-11	METAL CHIP 100	5% 1/10W	*****			
R9302	1-218-680-11	METAL CHIP 330	0.5% 1/10W	*A-1401-588-A	VM BOARD, MOUNT	*****	
				4-382-854-11	SCREW (M3X10), P, SW (+)		
<CAPACITOR>							
C9001	1-126-933-11	ELECT 100UF	20.00% 16V				
C9002	1-164-156-11	CERAMIC CHIP 0.1UF	25V				
C9003	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V				
C9004	1-107-645-11	ELECT 22UF	20.00% 160V				
C9006	1-161-830-00	CERAMIC 0.0047UF	500V				
C9007	1-164-156-11	CERAMIC CHIP 0.1UF	25V				



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C9008	1-126-964-11	ELECT	10UF 20.00% 50V	R9027	1-216-847-11	METAL CHIP 150K 5% 1/10W	
C9009	1-107-636-11	ELECT	10UF 20.00% 160V	*****			
C9010	1-137-528-11	MYLAR	0.1UF 10.00% 250V	*A-1300-902-A AD BOARD, COMPLETE			
C9011	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V	*****			
C9012	1-137-528-11	MYLAR	0.1UF 10.00% 250V	<CAPACITOR>			
C9013	1-164-156-11	CERAMIC CHIP	0.1UF 25V	C9401	1-126-933-11	ELECT 100UF 20.00% 16V	
C9014	1-117-450-11	MYLAR	0.47UF 10.00% 250V	C9402	1-126-933-11	ELECT 100UF 20.00% 16V	
<CONNECTOR>				C9403	1-164-156-11	CERAMIC CHIP 0.1UF 25V	
CN9001	* 1-564-508-11	PLUG, CONNECTOR 5P		C9404	1-162-919-11	CERAMIC CHIP 22PF 5.00% 50V	
CN9002	* 1-564-506-11	PLUG, CONNECTOR 3P		C9405	1-164-156-11	CERAMIC CHIP 0.1UF 25V	
CN9003	* 1-770-723-11	CONNECTOR, BOARD TO BOARD 8P		C9406	1-164-156-11	CERAMIC CHIP 0.1UF 25V	
<FERRITE BEAD>				C9407	1-164-156-11	CERAMIC CHIP 0.1UF 25V	
FB9001	1-469-869-21	FERRITE	0UH	C9408	1-162-919-11	CERAMIC CHIP 22PF 5.00% 50V	
FB9002	1-469-869-21	FERRITE	0UH	C9409	1-126-933-11	ELECT 100UF 20.00% 16V	
<TRANSISTOR>				C9410	1-164-156-11	CERAMIC CHIP 0.1UF 25V	
Q9001	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX		C9411	1-162-966-11	CERAMIC CHIP 0.0022UF 10.00% 50V	
Q9002	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX		C9412	1-164-156-11	CERAMIC CHIP 0.1UF 25V	
Q9003	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX		C9413	1-126-933-11	ELECT 100UF 20.00% 16V	
Q9004	8-729-424-02	TRANSISTOR 2SB709A-QRS-TX		C9414	1-164-156-11	CERAMIC CHIP 0.1UF 25V	
Q9005	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX		C9415	1-164-156-11	CERAMIC CHIP 0.1UF 25V	
Q9006	8-729-424-02	TRANSISTOR 2SB709A-QRS-TX		C9416	1-164-156-11	CERAMIC CHIP 0.1UF 25V	
Q9007	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX		C9419	1-164-156-11	CERAMIC CHIP 0.1UF 25V	
Q9008	8-729-424-02	TRANSISTOR 2SB709A-QRS-TX		C9422	1-164-156-11	CERAMIC CHIP 0.1UF 25V	
Q9009	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX		C9424	1-164-156-11	CERAMIC CHIP 0.1UF 25V	
Q9010	8-729-424-02	TRANSISTOR 2SB709A-QRS-TX		C9425	1-164-156-11	CERAMIC CHIP 0.1UF 25V	
Q9011	8-729-045-05	TRANSISTOR 2SA2005		C9426	1-164-156-11	CERAMIC CHIP 0.1UF 25V	
Q9012	8-729-045-04	TRANSISTOR 2SC5511		C9427	1-164-156-11	CERAMIC CHIP 0.1UF 25V	
<RESISTOR>				C9428	1-126-933-11	ELECT 100UF 20.00% 16V	
R9001	1-249-381-11	CARBON	1 5% 1/4W	C9429	1-164-156-11	CERAMIC CHIP 0.1UF 25V	
R9002	1-216-820-11	METAL CHIP	820 5% 1/10W	C9430	1-164-156-11	CERAMIC CHIP 0.1UF 25V	
R9003	1-218-843-11	METAL CHIP	680 5% 1/10W	C9431	1-126-963-11	ELECT 4.7UF 20.00% 50V	
R9004	1-216-834-11	METAL CHIP	12K 5% 1/10W	C9432	1-107-826-11	CERAMIC CHIP 0.1UF 10.00% 16V	
R9005	1-216-839-11	METAL CHIP	33K 5% 1/10W	C9433	1-126-933-11	ELECT 100UF 20.00% 16V	
R9006	1-216-811-11	METAL CHIP	150 5% 1/10W	C9434	1-126-933-11	ELECT 100UF 20.00% 16V	
R9008	1-218-835-11	METAL CHIP	330 5% 1/10W	C9440	1-164-315-11	CERAMIC CHIP 470PF 5.00% 50V	
R9009	1-218-831-11	METAL CHIP	220 5% 1/10W	C9441	1-164-315-11	CERAMIC CHIP 470PF 5.00% 50V	
R9010	1-218-831-11	METAL CHIP	220 5% 1/10W	C9442	1-115-412-11	CERAMIC CHIP 680PF 5.00% 25V	
R9011	1-249-391-11	CARBON	6.8 5% 1/4W	C9444	1-115-412-11	CERAMIC CHIP 680PF 5.00% 25V	
R9012	1-249-391-11	CARBON	6.8 5% 1/4W	C9446	1-164-156-11	CERAMIC CHIP 0.1UF 25V	
R9013	1-249-391-11	CARBON	6.8 5% 1/4W	C9447	1-164-156-11	CERAMIC CHIP 0.1UF 25V	
R9015	1-249-391-11	CARBON	6.8 5% 1/4W	C9448	1-164-156-11	CERAMIC CHIP 0.1UF 25V	
R9016	1-249-391-11	CARBON	6.8 5% 1/4W	C9450	1-164-156-11	CERAMIC CHIP 0.1UF 25V	
R9017	1-249-391-11	CARBON	6.8 5% 1/4W	C9452	1-162-927-11	CERAMIC CHIP 100PF 5.00% 50V	
R9018	1-249-391-11	CARBON	6.8 5% 1/4W	C9453	1-162-927-11	CERAMIC CHIP 100PF 5.00% 50V	
R9019	1-216-848-11	METAL CHIP	180K 5% 1/10W	C9454	1-162-910-11	CERAMIC CHIP 5PF 0.25PF 50V	
R9020	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	C9458	1-162-910-11	CERAMIC CHIP 5PF 0.25PF 50V	
R9021	1-216-805-11	METAL CHIP	47 5% 1/10W	C9459	1-164-156-11	CERAMIC CHIP 0.1UF 25V	
R9022	1-216-805-11	METAL CHIP	47 5% 1/10W	C9460	1-164-156-11	CERAMIC CHIP 0.1UF 25V	
R9023	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	C9461	1-164-156-11	CERAMIC CHIP 0.1UF 25V	
R9024	1-216-848-11	METAL CHIP	180K 5% 1/10W	C9462	1-126-933-11	ELECT 100UF 20.00% 16V	
R9025	1-215-890-11	METAL OXIDE	470 5% 2W	C9463	1-126-933-11	ELECT 100UF 20.00% 16V	
R9026	1-216-847-11	METAL CHIP	150K 5% 1/10W	C9464	1-126-933-11	ELECT 100UF 20.00% 16V	
				C9465	1-164-156-11	CERAMIC CHIP 0.1UF 25V	
				C9466	1-164-156-11	CERAMIC CHIP 0.1UF 25V	
				C9467	1-164-156-11	CERAMIC CHIP 0.1UF 25V	
				C9468	1-164-315-11	CERAMIC CHIP 470PF 5.00% 50V	
				C9469	1-164-315-11	CERAMIC CHIP 470PF 5.00% 50V	
				C9470	1-115-412-11	CERAMIC CHIP 680PF 5.00% 25V	



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C9472	1-115-412-11	CERAMIC CHIP 680PF	5.00%	25V	C9559	1-164-156-11	CERAMIC CHIP 0.1UF 25V
C9474	1-164-156-11	CERAMIC CHIP 0.1UF		25V	C9560	1-164-156-11	CERAMIC CHIP 0.1UF 25V
C9475	1-164-156-11	CERAMIC CHIP 0.1UF		25V	C9561	1-164-156-11	CERAMIC CHIP 0.1UF 25V
C9476	1-164-156-11	CERAMIC CHIP 0.1UF		25V	C9562	1-124-935-11	ELECT 470UF 20% 16
C9478	1-164-156-11	CERAMIC CHIP 0.1UF		25V	<CONNECTOR>		
C9480	1-162-927-11	CERAMIC CHIP 100PF	5.00%	50V	CN9400	1-573-301-21	CONNECTOR, BOARD TO BOARD 20P
C9481	1-162-927-11	CERAMIC CHIP 100PF	5.00%	50V	CN9401	1-573-301-21	CONNECTOR, BOARD TO BOARD 20P
C9482	1-162-910-11	CERAMIC CHIP 5PF	0.25PF	50V	CN9402*	1-564-511-11	PLUG, CONNECTOR 8P
C9483	1-162-910-11	CERAMIC CHIP 5PF	0.25PF	50V	<DIODE>		
C9484	1-164-156-11	CERAMIC CHIP 0.1UF		25V	D9400	8-719-988-61	DIODE 1SS355TE-17
C9485	1-164-156-11	CERAMIC CHIP 0.1UF		25V	D9401	8-719-988-61	DIODE 1SS355TE-17
C9486	1-164-156-11	CERAMIC CHIP 0.1UF		25V	D9402	8-719-988-61	DIODE 1SS355TE-17
C9488	1-126-933-11	ELECT 100UF	20.00%	16V	D9404	8-719-988-61	DIODE 1SS355TE-17
C9489	1-126-933-11	ELECT 100UF	20.00%	16V	D9405	8-719-988-61	DIODE 1SS355TE-17
C9490	1-126-933-11	ELECT 100UF	20.00%	16V	D9406	8-719-069-54	DIODE UDZSTE-175.1B
C9491	1-164-156-11	CERAMIC CHIP 0.1UF		25V	D9407	8-719-069-54	DIODE UDZSTE-175.1B
C9492	1-164-156-11	CERAMIC CHIP 0.1UF		25V	D9408	8-719-069-54	DIODE UDZSTE-175.1B
C9493	1-164-156-11	CERAMIC CHIP 0.1UF		25V	D9409	8-719-069-54	DIODE UDZSTE-175.1B
C9494	1-164-156-11	CERAMIC CHIP 0.1UF		25V	<FERRITE BEAD>		
C9495	1-162-968-11	CERAMIC CHIP 0.0047UF	10.00%	50V	FB9401	1-414-445-11	FERRITE 0UH
C9498	1-126-933-11	ELECT 100UF	20.00%	16V	FB9402	1-414-445-11	FERRITE 0UH
C9501	1-164-315-11	CERAMIC CHIP 470PF	5.00%	50V	FB9403	1-414-445-11	FERRITE 0UH
C9502	1-115-412-11	CERAMIC CHIP 680PF	5.00%	25V	FB9404	1-414-445-11	FERRITE 0UH
C9503	1-164-315-11	CERAMIC CHIP 470PF	5.00%	50V	FB9405	1-414-445-11	FERRITE 0UH
C9505	1-115-412-11	CERAMIC CHIP 680PF	5.00%	25V	FB9406	1-414-445-11	FERRITE 0UH
C9506	1-164-156-11	CERAMIC CHIP 0.1UF		25V	FB9407	1-414-445-11	FERRITE 0UH
C9508	1-164-156-11	CERAMIC CHIP 0.1UF		25V	FB9408	1-414-445-11	FERRITE 0UH
C9509	1-164-156-11	CERAMIC CHIP 0.1UF		25V	FB9409	1-414-445-11	FERRITE 0UH
C9511	1-162-927-11	CERAMIC CHIP 100PF	5.00%	50V	FB9410	1-414-445-11	FERRITE 0UH
C9512	1-164-156-11	CERAMIC CHIP 0.1UF		25V	FB9411	1-414-445-11	FERRITE 0UH
C9514	1-162-910-11	CERAMIC CHIP 5PF	0.25PF	50V	FB9412	1-414-445-11	FERRITE 0UH
C9515	1-162-927-11	CERAMIC CHIP 100PF	5.00%	50V	FB9413	1-414-445-11	FERRITE 0UH
C9516	1-162-910-11	CERAMIC CHIP 5PF	0.25PF	50V	FB9414	1-414-445-11	FERRITE 0UH
C9517	1-164-156-11	CERAMIC CHIP 0.1UF		25V	FB9415	1-414-445-11	FERRITE 0UH
C9518	1-164-156-11	CERAMIC CHIP 0.1UF		25V	FB9416	1-414-445-11	FERRITE 0UH
C9520	1-164-173-11	CERAMIC CHIP 0.0039UF	10.00%	50V	FB9417	1-414-445-11	FERRITE 0UH
C9521	1-164-173-11	CERAMIC CHIP 0.0039UF	10.00%	50V	<IC>		
C9523	1-164-173-11	CERAMIC CHIP 0.0039UF	10.00%	50V	IC9400	8-752-932-80	IC CXP86460-645Q
C9524	1-164-173-11	CERAMIC CHIP 0.0039UF	10.00%	50V	IC9401	8-759-683-55	IC CM0017AF
C9525	1-164-156-11	CERAMIC CHIP 0.1UF		25V	IC9402	6-700-319-01	IC M24128-BWMN6T
C9526	1-164-156-11	CERAMIC CHIP 0.1UF		25V	IC9403	8-759-352-91	IC PST9143NL
C9527	1-164-156-11	CERAMIC CHIP 0.1UF		25V	IC9405	8-759-830-08	IC NJM2068V-TE2
C9528	1-164-156-11	CERAMIC CHIP 0.1UF		25V	IC9406	8-759-830-08	IC NJM2068V-TE2
C9531	1-164-156-11	CERAMIC CHIP 0.1UF		25V	IC9407	8-759-829-87	IC CD0031AM
C9532	1-164-156-11	CERAMIC CHIP 0.1UF		25V	IC9408	8-759-830-08	IC NJM2068V-TE2
C9540	1-164-156-11	CERAMIC CHIP 0.1UF		25V	IC9409	8-759-830-08	IC NJM2068V-TE2
C9541	1-164-156-11	CERAMIC CHIP 0.1UF		25V	IC9410	8-759-830-08	IC NJM2068V-TE2
C9542	1-164-156-11	CERAMIC CHIP 0.1UF		25V	IC9411	8-759-830-08	IC NJM2068V-TE2
C9543	1-164-156-11	CERAMIC CHIP 0.1UF		25V	IC9413	8-759-278-58	IC NJM4558V-TE2
C9546	1-164-156-11	CERAMIC CHIP 0.1UF		25V	IC9414	8-759-278-58	IC NJM4558V-TE2
C9547	1-164-392-11	CERAMIC CHIP 390PF	5.00%	50V	IC9415	8-759-278-58	IC NJM4558V-TE2
C9548	1-162-927-11	CERAMIC CHIP 100PF	5.00%	50V	IC9416	8-759-278-58	IC NJM4558V-TE2
C9549	1-115-416-11	CERAMIC CHIP 0.001UF	5.00%	25V	IC9420	8-759-830-08	IC NJM2068V-TE2
C9550	1-164-156-11	CERAMIC CHIP 0.1UF		25V			
C9552	1-162-974-11	CERAMIC CHIP 0.01UF		50V			
C9553	1-126-947-11	ELECT 47UF	20.00%	25V			
C9554	1-126-947-11	ELECT 47UF	20.00%	25V			
C9555	1-126-947-11	ELECT 47UF	20.00%	25V			
C9556	1-126-916-11	ELECT 1000UF	20.00%	6.3V			
C9557	1-164-156-11	CERAMIC CHIP 0.1UF		25V			
C9558	1-126-933-11	ELECT 100UF	20.00%	16V			



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
IC9421	8-759-662-86	IC NJM2391DL1-3379M05DL1A(TE2)		R9438	1-218-835-11	METAL CHIP 330	5% 1/10W
IC9422	8-759-641-26	IC NJM2391DL1-33(TE1)		R9439	1-218-835-11	METAL CHIP 330	5% 1/10W
		<COIL>		R9440	1-218-839-11	METAL CHIP 470	5% 1/10W
L9401	1-469-555-21	INDUCTOR 10UH		R9441	1-216-829-11	METAL CHIP 4.7K	5% 1/10W
		<TRANSISTOR>		R9442	1-218-700-11	METAL CHIP 2.2K	0.5% 1/10W
Q9400	8-729-026-49	TRANSISTOR 2SA1037AK-T146-QR		R9443	1-218-692-11	METAL CHIP 1K	0.5% 1/10W
Q9401	8-729-026-49	TRANSISTOR 2SA1037AK-T146-QR		R9444	1-216-837-11	METAL CHIP 22K	5% 1/10W
Q9402	8-729-026-49	TRANSISTOR 2SA1037AK-T146-QR		R9446	1-216-821-11	METAL CHIP 1K	5% 1/10W
Q9403	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR		R9447	1-216-821-11	METAL CHIP 1K	5% 1/10W
Q9405	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR		R9448	1-218-841-11	METAL CHIP 560	5% 1/10W
Q9406	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR		R9449	1-216-823-11	METAL CHIP 1.5K	5% 1/10W
Q9407	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR		R9450	1-216-823-11	METAL CHIP 1.5K	5% 1/10W
Q9408	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR		R9451	1-218-700-11	METAL CHIP 2.2K	0.5% 1/10W
Q9411	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR		R9452	1-218-700-11	METAL CHIP 2.2K	0.5% 1/10W
Q9412	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR		R9453	1-216-833-11	METAL CHIP 10K	5% 1/10W
Q9413	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR		R9454	1-218-700-11	METAL CHIP 2.2K	0.5% 1/10W
Q9414	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR		R9455	1-218-700-11	METAL CHIP 2.2K	0.5% 1/10W
Q9415	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR		R9456	1-216-833-11	METAL CHIP 10K	5% 1/10W
Q9416	8-729-028-28	TRANSISTOR 2SK2036(TE85L)		R9457	1-216-833-11	METAL CHIP 10K	5% 1/10W
Q9417	8-729-028-28	TRANSISTOR 2SK2036(TE85L)		R9458	1-216-833-11	METAL CHIP 33K	5% 1/10W
		<RESISTOR>		R9459	1-218-726-11	METAL CHIP 27K	0.5% 1/10W
R9400	1-218-887-11	METAL CHIP 47K	5% 1/10W	R9460	1-218-724-11	METAL CHIP 22K	0.5% 1/10W
R9401	1-216-809-11	METAL CHIP 100	5% 1/10W	R9461	1-218-726-11	METAL CHIP 27K	0.5% 1/10W
R9402	1-216-833-11	METAL CHIP 10K	% 1/10W	R9462	1-218-724-11	METAL CHIP 22K	0.5% 1/10W
R9404	1-216-833-11	METAL CHIP 10K	5% 1/10W	R9463	1-218-716-11	METAL CHIP 10K	0.5% 1/10W
R9405	1-216-821-11	METAL CHIP 1K	5% 1/10W	R9464	1-218-716-11	METAL CHIP 10K	0.5% 1/10W
R9406	1-216-837-11	METAL CHIP 22K	5% 1/10W	R9465	1-218-716-11	METAL CHIP 10K	0.5% 1/10W
R9407	1-216-821-11	METAL CHIP 1K	5% 1/10W	R9466	1-218-716-11	METAL CHIP 10K	0.5% 1/10W
R9408	1-216-821-11	METAL CHIP 1K	5% 1/10W	R9467	1-218-700-11	METAL CHIP 2.2K	0.5% 1/10W
R9410	1-216-825-11	METAL CHIP 2.2K	5% 1/10W	R9468	1-218-700-11	METAL CHIP 2.2K	0.5% 1/10W
R9411	1-216-809-11	METAL CHIP 100	5% 1/10W	R9469	1-218-700-11	METAL CHIP 2.2K	0.5% 1/10W
R9412	1-216-823-11	METAL CHIP 1.5K	5% 1/10W	R9470	1-218-700-11	METAL CHIP 2.2K	0.5% 1/10W
R9413	1-216-825-11	METAL CHIP 2.2K	5% 1/10W	R9471	1-218-724-11	METAL CHIP 22K	0.5% 1/10W
R9414	1-216-823-11	METAL CHIP 1.5K	5% 1/10W	R9472	1-218-726-11	METAL CHIP 27K	0.5% 1/10W
R9415	1-216-821-11	METAL CHIP 1K	5% 1/10W	R9473	1-218-724-11	METAL CHIP 22K	0.5% 1/10W
R9416	1-216-825-11	METAL CHIP 2.2K	5% 1/10W	R9474	1-218-726-11	METAL CHIP 27K	0.5% 1/10W
R9417	1-216-809-11	METAL CHIP 100	5% 1/10W	R9475	1-218-716-11	METAL CHIP 10K	0.5% 1/10W
R9418	1-216-809-11	METAL CHIP 100	5% 1/10W	R9476	1-218-716-11	METAL CHIP 10K	0.5% 1/10W
R9419	1-216-839-11	METAL CHIP 33K	5% 1/10W	R9477	1-218-716-11	METAL CHIP 10K	0.5% 1/10W
R9420	1-216-821-11	METAL CHIP 1K	5% 1/10W	R9478	1-218-716-11	METAL CHIP 10K	0.5% 1/10W
R9421	1-216-821-11	METAL CHIP 1K	5% 1/10W	R9479	1-218-700-11	METAL CHIP 2.2K	0.5% 1/10W
R9422	1-218-841-11	METAL CHIP 560	5% 1/10W	R9480	1-218-700-11	METAL CHIP 2.2K	0.5% 1/10W
R9423	1-216-809-11	METAL CHIP 100	5% 1/10W	R9481	1-218-700-11	METAL CHIP 2.2K	0.5% 1/10W
R9424	1-216-809-11	METAL CHIP 100	5% 1/10W	R9482	1-218-700-11	METAL CHIP 2.2K	0.5% 1/10W
R9425	1-216-833-11	METAL CHIP 10K	5% 1/10W	R9483	1-218-724-11	METAL CHIP 22K	0.5% 1/10W
R9426	1-216-821-11	METAL CHIP 1K	5% 1/10W	R9484	1-218-724-11	METAL CHIP 22K	0.5% 1/10W
R9428	1-216-809-11	METAL CHIP 100	5% 1/10W	R9485	1-218-726-11	METAL CHIP 27K	0.5% 1/10W
R9429	1-216-825-11	METAL CHIP 2.2K	5% 1/10W	R9486	1-218-716-11	METAL CHIP 10K	0.5% 1/10W
R9430	1-216-821-11	METAL CHIP 1K	5% 1/10W	R9487	1-218-726-11	METAL CHIP 27K	0.5% 1/10W
R9431	1-216-825-11	METAL CHIP 2.2K	5% 1/10W	R9488	1-218-716-11	METAL CHIP 10K	0.5% 1/10W
R9432	1-218-835-11	METAL CHIP 330	5% 1/10W	R9489	1-218-716-11	METAL CHIP 10K	0.5% 1/10W
R9433	1-216-825-11	METAL CHIP 2.2K	5% 1/10W	R9490	1-218-716-11	METAL CHIP 10K	0.5% 1/10W
R9434	1-216-833-11	METAL CHIP 10K	5% 1/10W	R9494	1-216-855-11	METAL CHIP 680K	5% 1/10W
R9435	1-216-825-11	METAL CHIP 2.2K	5% 1/10W	R9495	1-218-911-11	METAL CHIP 470K	5% 1/10W
R9436	1-216-809-11	METAL CHIP 100	5% 1/10W	R9496	1-218-911-11	METAL CHIP 470K	5% 1/10W
R9437	1-216-809-11	METAL CHIP 100	5% 1/10W	R9497	1-216-855-11	METAL CHIP 680K	5% 1/10W
				R9502	1-216-829-11	METAL CHIP 4.7K	5% 1/10W
				R9503	1-216-845-11	METAL CHIP 100K	5% 1/10W
				R9504	1-216-829-11	METAL CHIP 4.7K	5% 1/10W
				R9505	1-216-843-11	METAL CHIP 68K	5% 1/10W
				R9509	1-216-843-11	METAL CHIP 68K	5% 1/10W



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R9510	1-216-829-11	METAL CHIP	4.7K 5% 1/10W			<CAPACITOR>	
R9511	1-216-845-11	METAL CHIP	100K 5% 1/10W				
R9512	1-216-829-11	METAL CHIP	4.7K 5% 1/10W	C8001	1-164-227-11	CERAMIC CHIP	0.022UF 10.00% 25V
R9515	1-216-821-11	METAL CHIP	1K 5% 1/10W	C8002	1-162-927-11	CERAMIC CHIP	100PF 5.00% 50V
R9516	1-216-821-11	METAL CHIP	1K 5% 1/10W	C8003	1-162-927-11	CERAMIC CHIP	100PF 5.00% 50V
R9520	1-216-821-11	METAL CHIP	1K 5% 1/10W	C8004	1-104-666-11	ELECT	220UF 20.00% 25V
R9524	1-215-866-11	METAL OXIDE	330 5% 1W	C8005	1-126-942-61	ELECT	1000UF 20.00% 25V
R9527	1-216-821-11	METAL CHIP	1K 5% 1/10W	C8006	1-126-942-61	ELECT	1000UF 20.00% 25V
R9539	1-218-706-11	METAL CHIP	3.9K 0.5% 1/10W	C8007	1-162-927-11	CERAMIC CHIP	100PF 5.00% 50V
R9540	1-218-702-11	METAL CHIP	2.7K 0.5% 1/10W	C8008	1-162-927-11	CERAMIC CHIP	100PF 5.00% 50V
R9541	1-216-827-11	METAL CHIP	3.3K 5% 1/10W	C8009	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V
R9542	1-218-714-11	METAL CHIP	8.2K 0.5% 1/10W	C8010	1-136-177-00	FILM	1UF 5.00% 50V
R9545	1-216-839-11	METAL CHIP	33K 5% 1/10W	C8011	1-162-927-11	CERAMIC CHIP	100PF 5.00% 50V
R9546	1-218-720-11	METAL CHIP	15K 0.5% 1/10W	C8012	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V
R9548	1-218-740-11	METAL CHIP	100K 0.5% 1/10W	C8013	1-162-927-11	CERAMIC CHIP	100PF 5.00% 50V
R9549	1-218-722-11	METAL CHIP	18K 0.5% 1/10W	C8014	1-104-665-11	ELECT	100UF 20.00% 25V
R9550	1-216-837-11	METAL CHIP	22K 5% 1/10W	C8015	1-126-969-11	ELECT	220UF 20.00% 50V
R9551	1-216-809-11	METAL CHIP	100 5% 1/10W	C8016	1-104-665-11	ELECT	100UF 20.00% 25V
R9553	1-216-821-11	METAL CHIP	1K 5% 1/10W	C8017	1-162-964-11	CERAMIC CHIP	0.001UF 10.00% 50V
R9554	1-216-821-11	METAL CHIP	1K 5% 1/10W	C8018	1-126-964-11	ELECT	10UF 20.00% 50V
R9555	1-216-833-11	METAL CHIP	10K 5% 1/10W	C8019	1-162-927-11	CERAMIC CHIP	100PF 5.00% 50V
R9556	1-216-821-11	METAL CHIP	1K 5% 1/10W	C8020	1-162-927-11	CERAMIC CHIP	100PF 5.00% 50V
R9557	1-216-821-11	METAL CHIP	1K 5% 1/10W	C8023	1-106-220-00	MYLAR	0.1UF 10.00% 100V
R9558	1-216-821-11	METAL CHIP	1K 5% 1/10W	C8024	1-164-227-11	CERAMIC CHIP	0.022UF 10.00% 25V
R9559	1-216-821-11	METAL CHIP	1K 5% 1/10W	C8025	1-126-968-11	ELECT	100UF 20.00% 50V
R9565	1-216-833-11	METAL CHIP	10K 5% 1/10W	C8026	1-126-968-11	ELECT	100UF 20.00% 50V
R9566	1-216-833-11	METAL CHIP	10K 5% 1/10W	C8028	1-126-968-11	ELECT	100UF 20.00% 50V
R9567	1-216-833-11	METAL CHIP	10K 5% 1/10W	C8029	1-126-968-11	ELECT	100UF 20.00% 50V
R9568	1-216-864-11	SHORT CHIP	0	C8031	1-107-636-11	ELECT	10UF 20.00% 160V
R9569	1-216-864-11	SHORT CHIP	0	C8032	1-126-968-11	ELECT	100UF 20.00% 50V
R9570	1-216-864-11	SHORT CHIP	0	C8033	1-126-968-11	ELECT	100UF 20.00% 50V
R9572	1-216-833-11	METAL CHIP	10K 5% 1/10W	C8034	1-162-927-11	CERAMIC CHIP	100PF 5.00% 50V
R9573	1-216-833-11	METAL CHIP	10K 5% 1/10W	C8035	1-162-927-11	CERAMIC CHIP	100PF 5.00% 50V
R9574	1-216-797-11	METAL CHIP	10 5% 1/10W	C8036	1-126-968-11	ELECT	100UF 20.00% 50V
R9575	1-216-797-11	METAL CHIP	10 5% 1/10W	C8037	1-126-968-11	ELECT	100UF 20.00% 50V
		<NETWORK>		C8040	1-115-349-51	CERAMIC	0.01UF 2KV
RB9400	1-233-576-11	RES, CHIP NETWORK	100	C8041	1-162-927-11	CERAMIC CHIP	100PF 5.00% 50V
RB9401	1-233-576-11	RES, CHIP NETWORK	100	C8042	1-162-927-11	CERAMIC CHIP	100PF 5.00% 50V
RB9402	1-233-576-11	RES, CHIP NETWORK	100	C8045	1-126-965-91	ELECT	22UF 20.00% 50V
		<VARISTOR>		C8046	1-126-965-91	ELECT	22UF 20.00% 50V
VD9404	1-804-499-21	VARISTOR, CHIP		C8047	1-162-974-11	CERAMIC CHIP	0.01UF 50V
VD9405	1-804-499-21	VARISTOR, CHIP		C8048	1-126-965-91	ELECT	22UF 20.00% 50V
VD9406	1-804-499-21	VARISTOR, CHIP		C8049	1-162-974-11	CERAMIC CHIP	0.01UF 50V
VD9407	1-804-499-21	VARISTOR, CHIP		C8050	1-126-965-91	ELECT	22UF 20.00% 50V
		<CRYSTAL>		C8051	1-102-038-00	CERAMIC	0.001UF 500V
X9401	1-767-922-11	VIBRATOR, CERAMIC (16MHz)		C8052	1-126-965-91	ELECT	22UF 20.00% 50V
				C8053	1-162-974-11	CERAMIC CHIP	0.01UF 50V
				C8054	1-162-974-11	CERAMIC CHIP	0.01UF 50V
				C8055	1-164-156-11	CERAMIC CHIP	0.1UF 25V
				C8056	1-107-652-11	ELECT	10UF 20.00% 250V
				C8057	1-126-959-11	ELECT	0.47UF 20.00% 50V
				C8058	1-164-230-11	CERAMIC CHIP	220PF 5.00% 50V
				C8059	1-127-715-91	CERAMIC CHIP	0.22UF 0% 16V
				C8060	1-104-665-11	ELECT	100UF 20.00% 25V
				C8061	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V
				C8062	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V
				C8063	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V
				C8064	1-107-636-11	ELECT	10UF 20.00% 160V
				C8065	1-106-383-00	MYLAR	0.047UF 10.00% 200V
				C8066	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V
				C8067	1-104-665-11	ELECT	100UF 20.00% 25V
				C8068	1-162-318-11	CERAMIC	0.001UF 10.00% 500V

*A-1300-890-A D BOARD, COMPLETE

4-382-854-11 SCREW (M3X10), P, SW (+)
 7-447-019-03 MATERIAL, COATING CT-301S(1KG)
 7-682-952-09 SCREW +PSW 3X16

The components identified by shading
 and mark \triangle are critical for safety.
 Replace only with part number specified.



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C8069	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V	C8137	1-126-927-11	ELECT	2200UF 20.00% 10V
C8070	1-126-964-11	ELECT	10UF 20.00% 50V	C8138	1-162-964-11	CERAMIC CHIP	0.001UF 10.00% 50V
C8071	1-126-964-11	ELECT	10UF 20.00% 50V	C8139	1-126-964-11	ELECT	10UF 20.00% 50V
C8072	1-126-964-11	ELECT	10UF 20.00% 50V	C8140	1-102-030-00	CERAMIC	330PF 10.00% 500V
C8073	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V	C8141	1-162-927-11	CERAMIC CHIP	100PF 5.00% 50V
C8074	1-104-665-11	ELECT	100UF 20.00% 25V	C8142	1-117-664-11	FILM	0.27UF 5.00% 250V
C8075	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V	C8143	1-109-889-11	ELECT	1UF 20.00% 50V
C8076	1-128-551-11	ELECT	22UF 20.00% 25V	C8145	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V
C8077	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V	C8146	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V
C8078	1-115-416-11	CERAMIC CHIP	0.001UF 5.00% 25V	C8153	1-126-960-11	ELECT	1UF 20.00% 50V
C8079	1-126-964-11	ELECT	10UF 20.00% 50V	C8154	1-126-947-11	ELECT	47UF 20.00% 16V
C8080	1-126-964-11	ELECT	10UF 20.00% 50V	C8155	1-126-947-11	ELECT	47UF 20.00% 16V
C8081	1-115-416-11	CERAMIC CHIP	0.001UF 5.00% 25V	C8156	1-107-636-11	ELECT	10UF 20.00% 160V
C8082	1-165-176-11	CERAMIC CHIP	0.047UF 10.00% 16V	C8158	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V
C8083	1-130-495-00	MYLAR	0.1UF 5.00% 50V	C8159	1-106-383-00	MYLAR	0.047UF 10.00% 200V
C8084	1-130-992-11	FILM	0.022UF 5.00% 50V	C8160	1-127-715-91	CERAMIC CHIP	0.22UF 10% 16V
C8085	1-162-924-11	CERAMIC CHIP	56PF 5.00% 50V	C8162	1-162-318-11	CERAMIC	0.001UF 10.00% 500V
C8086	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V	C8163	1-126-960-11	ELECT	1UF 20.00% 50V
C8087	1-126-960-11	ELECT	1UF 20.00% 50V	C8165	1-126-965-91	ELECT	22UF 20.00% 50V
C8088	1-126-964-11	ELECT	10UF 20.00% 50V			<CONNECTOR>	
C8089	1-162-134-11	CERAMIC	470PF 10.00% 2KV	CN8003	* 1-691-135-11	PIN, CONNECTOR (PC BOARD) 4P	
C8090	1-126-960-11	ELECT	1UF 20.00% 50V	CN8006	* 1-564-506-11	PLUG, CONNECTOR 3P	
C8091	1-104-665-11	ELECT	100UF 20.00% 25V	CN8007	* 1-564-506-11	PLUG, CONNECTOR 3P	
C8092	1-117-640-11	FILM	6800PF 3.00% 1.2KV	CN8008	* 1-564-506-11	PLUG, CONNECTOR 3P	
C8093	1-107-648-91	ELECT	100UF 20.00% 160V	CN8009	* 1-564-506-11	PLUG, CONNECTOR 3P	
C8094	1-126-947-11	ELECT	47UF 20.00% 25V	CN8010	* 1-564-507-11	PLUG, CONNECTOR 4P	
C8095	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V	CN8011	* 1-564-507-11	PLUG, CONNECTOR 4P	
C8096	1-136-684-51	MYLAR	0.0022UF 10.00% 100V	CN8012	* 1-564-507-11	PLUG, CONNECTOR 4P	
C8097	1-162-131-11	CERAMIC	220PF 10.00% 2KV	CN8013	1-779-092-11	PIN, CONNECTOR (PC BOARD) 10P	
C8098	1-162-131-11	CERAMIC	220PF 10.00% 2KV	CN8015	* 1-506-371-00	PIN, CONNECTOR 2P	
C8099	1-115-416-11	CERAMIC CHIP	0.001UF 5.00% 25V	CN8016	* 1-564-507-11	PLUG, CONNECTOR 4P	
C8100	1-104-665-11	ELECT	100UF 20.00% 25V	CN8018	* 1-580-689-11	PIN, CONNECTOR (PC BOARD) 4P	
C8102	1-162-318-11	CERAMIC	0.001UF 10.00% 500V	CN8019	* 1-580-689-11	PIN, CONNECTOR (PC BOARD) 4P	
C8103	1-126-964-11	ELECT	10UF 20.00% 50V	CN8020	* 1-580-689-11	PIN, CONNECTOR (PC BOARD) 4P	
C8104	1-162-965-11	CERAMIC CHIP	0.0015UF 10.00% 50V	CN8022	* 1-564-510-11	PLUG, CONNECTOR 7P	
C8105	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V	CN8023	* 1-564-507-11	PLUG, CONNECTOR 4P	
C8106	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V	CN8025	* 1-764-333-11	PLUG, CONNECTOR 10P	
C8107	1-136-187-11	MYLAR	0.047UF 10.00% 250V	CN8026	1-764-611-11	CONNECTOR, BOARD TO BOARD 20P	
C8108	1-126-964-11	ELECT	10UF 20.00% 50V	CN8027	1-764-611-11	CONNECTOR, BOARD TO BOARD 20P	
C8109	1-162-924-11	CERAMIC CHIP	56PF 5.00% 50V	CN8028	* 1-564-507-11	PLUG, CONNECTOR 4P	
C8110	1-126-960-11	ELECT	1UF 20.00% 50V	CN8029	* 1-564-510-11	PLUG, CONNECTOR 7P	
C8111	1-126-960-11	ELECT	1UF 20.00% 50V	CN8030	* 1-564-510-11	PLUG, CONNECTOR 7P	
C8113	1-130-495-00	MYLAR	0.1UF 5.00% 50V	CN8031	* 1-764-333-11	PLUG, CONNECTOR 10P	
C8114	1-125-473-11	ELECT(BLOCK)	1000UF 20.00% 160V			<DIODE>	
C8115	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V	D8001	8-719-109-89	DIODE MTZJ-T-77-5.6B	
C8116	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V	D8002	8-719-110-53	DIODE MTZJ-T-77-20B	
C8117	1-162-318-11	CERAMIC	0.001UF 10.00% 500V	D8003	8-719-924-13	DIODE MTZJ-T-77-22B	
C8118	1-136-189-00	MYLAR	0.1UF 10.00% 250V	D8004	8-719-908-03	DIODE GP08DPKG23	
C8120	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V	D8005	8-719-988-61	DIODE 1SS355TE-17	
C8121	1-115-349-51	CERAMIC	0.01UF 2KV	D8006	8-719-988-61	DIODE 1SS355TE-17	
C8122	1-126-934-11	ELECT	220UF 20.00% 16V	D8008	8-719-988-61	DIODE 1SS355TE-17	
C8123	1-107-444-11	CERAMIC	100PF 10.00% 2KV	D8010	8-719-988-61	DIODE 1SS355TE-17	
C8124 \triangle	1-117-642-11	FILM	8200PF 3.00% 1.2KV	D8011	8-719-988-61	DIODE 1SS355TE-17	
C8125	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V	D8012	8-719-988-61	DIODE 1SS355TE-17	
C8126	1-106-357-00	MYLAR	0.0039UF 99% 200V	D8013	8-719-109-85	DIODE MTZJ-T-77-5.1B	
C8127	1-126-942-61	ELECT	1000UF 20.00% 25V	D8014	8-719-109-85	DIODE MTZJ-T-77-5.1B	
C8129	1-137-150-11	MYLAR	0.01UF 5.00% 50V	D8015	8-719-988-61	DIODE 1SS355TE-17	
C8131	1-128-582-11	ELECT	10UF 20.00% 100V				
C8132	1-126-927-11	ELECT	2200UF 20.00% 10V				
C8133	1-107-649-11	ELECT	2.2UF 20.00% 250V				
C8135	1-117-813-11	FILM	0.75UF 5.00% 250V				
C8136	1-130-495-00	MYLAR	0.1UF 5.00% 50V				

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 and mark Δ are critical for safety.
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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
D8016	8-719-988-61	DIODE 1SS355TE-17		L8006	1-412-525-31	INDUCTOR 10UH	
D8019	8-719-988-61	DIODE 1SS355TE-17		L8007	1-412-533-21	INDUCTOR 47UH	
D8020	8-719-988-61	DIODE 1SS355TE-17		L8008	1-412-533-21	INDUCTOR 47UH	
D8022	8-719-988-61	DIODE 1SS355TE-17		L8009	1-412-525-31	INDUCTOR 10UH	
D8023	8-719-988-61	DIODE 1SS355TE-17		L8010	1-414-187-11	INDUCTOR 47UH	
D8024	8-719-110-41	DIODE MTZJ-T-77-15B		L8011	1-414-856-11	INDUCTOR 10UH	
D8025	8-719-988-61	DIODE 1SS355TE-17		L8012	1-414-187-11	INDUCTOR 47UH	
D8026	8-719-109-89	DIODE MTZJ-T-77-5.6B		L8013	1-414-856-11	INDUCTOR 10UH	
D8027	8-719-028-45	DIODE D2L20U-TA		L8014	1-414-189-31	INDUCTOR 100UH	
D8028	8-719-110-41	DIODE MTZJ-T-77-15B		L8015	1-414-189-31	INDUCTOR 100UH	
D8029	8-719-027-43	DIODE S2L20UF		L8016	1-412-537-31	INDUCTOR 100UH	
D8030	8-719-027-43	DIODE S2L20UF		L8017	1-414-856-11	INDUCTOR 10UH	
D8032	8-719-302-43	DIODE RGP10GPKG23		L8018	1-406-667-11	INDUCTOR 220UH	
D8033	8-719-028-72	DIODE RGP02-17EL-6433		L8019	1-456-109-11	COIL,HORIZONTAL LINEARITY(HLC)	
D8036	8-719-110-41	DIODE MTZJ-T-77-15B		L8020	1-412-525-31	INDUCTOR 10UH	
D8037	8-719-028-45	DIODE D2L20U-F		L8021	1-406-659-11	INDUCTOR 10UH	
D8038	8-719-302-43	DIODE RGP10GPKG23		L8022	1-412-552-11	INDUCTOR 2.2MH	
D8039	8-719-028-72	DIODE RGP02-17PKG23		L8025	1-414-856-11	INDUCTOR 10UH	
D8042	8-719-988-61	DIODE 1SS355TE-17		L8026	1-414-856-11	INDUCTOR 10UH	
D8043	8-719-988-61	DIODE 1SS355TE-17		L8028	1-414-187-11	INDUCTOR 47UH	
D8045	8-719-908-03	DIODE GP08DPKG23		L8029	1-414-187-11	INDUCTOR 47UH	
D8047	8-719-988-61	DIODE 1SS355TE-17		L8030	1-414-187-11	INDUCTOR 47UH	
D8050	8-719-988-61	DIODE 1SS355TE-17		L8031	1-414-187-11	INDUCTOR 47UH	
D8051	8-719-988-61	DIODE 1SS355TE-17		L8032	1-414-856-11	INDUCTOR 10UH	
D8052	8-719-988-61	DIODE 1SS355TE-17		L8033	1-414-856-11	INDUCTOR 10UH	
<FERRITE BEAD>				<NEON LAMP>			
FB8001	1-410-397-21	FERRITE 1.1UH		NL8001	1-517-778-21	LAMP, NEON	
FB8002	1-410-397-21	FERRITE 1.1UH		<IC LINK>			
FB8005	1-469-869-21	FERRITE 0UH		PS8001	Δ 1-533-595-31	LINK, IC 3.15A/90V	
FB8006	1-469-869-21	FERRITE 0UH		PS8002	Δ 1-533-595-31	LINK, IC 3.15A/90V	
FB8014	1-469-869-21	FERRITE 0UH		PS8003	Δ 1-533-595-31	LINK, IC 3.15A/90V	
FB8015	1-469-869-21	FERRITE 0UH		PS8004	Δ 1-533-595-31	LINK, IC 3.15A/90V	
FB8016	1-469-869-21	FERRITE 0UH		PS8005	Δ 1-533-595-31	LINK, IC 3.15A/90V	
FB8017	1-469-869-21	FERRITE 0UH		PS8006	Δ 1-533-595-31	LINK, IC 3.15A/90V	
FB8018	1-469-869-21	FERRITE 0UH		PS8007	Δ 1-533-594-31	LINK, IC 2.5A/90V	
FB8021	1-410-397-21	FERRITE 1.1UH		PS8008	Δ 1-532-685-00	LINK, IC 0.8A/90V	
FB8022	1-410-396-41	FERRITE 0.45UH		<TRANSISTOR>			
FB8023	1-410-396-41	FERRITE 0.45UH		Q8001	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
<IC>				Q8002	8-729-046-80	TRANSISTOR 2SC4634LS-CB11	
IC8001	8-749-019-08	IC STK392-560		Q8003	8-729-026-49	TRANSISTOR 2SA1037AK-T146-QR	
IC8002	8-749-019-08	IC STK392-560		Q8004	8-729-026-49	TRANSISTOR 2SA1037AK-T146-QR	
IC8003	8-759-593-33	IC LA78045		Q8007	8-729-046-80	TRANSISTOR 2SC4634LS-CB11	
IC8004	8-759-701-79	IC NJM7812FA		Q8008	8-729-207-89	TRANSISTOR 2SA1358-Y	
IC8005	8-759-585-82	IC BA9759F-E2		Q8009	8-729-207-82	TRANSISTOR 2SC3421-Y	
IC8006	8-759-700-07	IC NJM2903M-TE2		Q8010	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
IC8007	8-759-700-07	IC NJM2903M-TE2		Q8011	8-729-026-49	TRANSISTOR 2SA1037AK-T146-QR	
IC8008	8-759-585-82	IC BA9759F-E2		Q8014	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
IC8009	8-759-803-42	IC LA6500-FA		Q8015	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
IC8012	8-759-701-01	IC NJM2904M(TE2)		Q8016	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
<COIL>				Q8019	8-729-026-49	TRANSISTOR 2SA1037AK-T146-QR	
L8001	1-412-533-21	INDUCTOR 47UH		Q8020	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
L8002	1-412-533-21	INDUCTOR 47UH		Q8021	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
L8003	1-412-525-31	INDUCTOR 10UH		Q8022	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
L8004	1-412-533-21	INDUCTOR 47UH		Q8023	8-729-048-47	TRANSISTOR 2SC2688(5)-LK	
L8005	1-412-533-21	INDUCTOR 47UH		Q8024	6-550-144-01	TRANSISTOR 2SC5778-YB	
				Q8027	6-550-153-01	TRANSISTOR FQPF12P20XDTU	



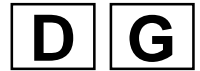
REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
Q8028	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR		R8053	1-214-808-11	METAL 4.7	1% 1/2W
Q8029	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR		R8055	1-218-748-11	METAL CHIP 220K	0.5% 1/10W
Q8030	8-729-026-49	TRANSISTOR 2SA1037AK-T146-QR		R8056	1-216-829-11	METAL CHIP 4.7K	5% 1/10W
Q8031	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR		R8057	1-216-829-11	METAL CHIP 4.7K	5% 1/10W
Q8035	6-550-153-01	TRANSISTOR FQPF12P20XDTU		R8058	1-216-809-11	METAL CHIP 100	5% 1/10W
Q8039	8-729-048-47	TRANSISTOR 2SC2688(5)-LK		R8059	1-214-808-11	METAL 4.7	1% 1/2W
Q8041	8-729-026-49	TRANSISTOR 2SA1037AK-T146-QR		R8060	1-214-808-11	METAL 4.7	1% 1/2W
Q8042	8-729-048-47	TRANSISTOR 2SC2688(5)-LK		R8061	1-216-391-11	METAL OXIDE 1.5	5% 3W
Q8043	6-550-144-01	TRANSISTOR 2SC5778-YB		R8062	1-260-107-11	CARBON 4.7K	5% 1/2W
Q8044	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR		R8063	1-214-808-11	METAL 4.7	1% 1/2W
Q8101	8-729-026-49	TRANSISTOR 2SA1037AK-T146-QR		R8064	1-214-808-11	METAL 4.7	1% 1/2W
		<RESISTOR>		R8065	1-260-328-11	CARBON 1K	5% 1/2W
R8001	1-216-825-11	METAL CHIP 2.2K	5% 1/10W	R8066	1-214-808-11	METAL 4.7	1% 1/2W
R8002	1-216-809-11	METAL CHIP 100	5% 1/10W	R8067	1-214-808-11	METAL 4.7	1% 1/2W
R8003	1-216-809-11	METAL CHIP 100	5% 1/10W	R8068	1-216-809-11	METAL CHIP 100	5% 1/10W
R8004	1-216-809-11	METAL CHIP 100	5% 1/10W	R8069	1-214-808-11	METAL 4.7	1% 1/2W
R8005	1-215-875-11	METAL OXIDE 10K	5% 1W	R8070	1-214-808-11	METAL 4.7	1% 1/2W
R8007	1-216-809-11	METAL CHIP 100	5% 1/10W	R8071	1-215-381-00	METAL 22	1% 1/4W
R8008	1-216-809-11	METAL CHIP 100	5% 1/10W	R8073	1-214-808-11	METAL 4.7	1% 1/2W
R8009	1-216-809-11	METAL CHIP 100	5% 1/10W	R8075	1-214-808-11	METAL 4.7	1% 1/2W
R8010	1-260-131-11	CARBON 470K	5% 1/2W	R8076	1-216-829-11	METAL CHIP 4.7K	5% 1/10W
R8011	1-216-829-11	METAL CHIP 4.7K	5% 1/10W	R8077	1-216-829-11	METAL CHIP 4.7K	5% 1/10W
R8012	1-216-829-11	METAL CHIP 4.7K	5% 1/10W	R8078	1-214-808-11	METAL 4.7	1% 1/2W
R8013	1-218-710-11	METAL CHIP 5.6K	0.5% 1/10W	R8079	1-214-808-11	METAL 4.7	1% 1/2W
R8014	1-218-710-11	METAL CHIP 5.6K	0.5% 1/10W	R8080	1-216-353-00	METAL OXIDE 2.2	5% 1W
R8015	1-216-837-11	METAL CHIP 22K	5% 1/10W	R8081	1-214-808-11	METAL 4.7	1% 1/2W
R8016	1-216-829-11	METAL CHIP 4.7K	5% 1/10W	R8082	1-214-808-11	METAL 4.7	1% 1/2W
R8017	1-216-829-11	METAL CHIP 4.7K	5% 1/10W	R8083	1-216-821-11	METAL SHIP 1K	5% 1/10W
R8018	1-216-821-11	METAL CHIP 1K	5% 1/10W	R8084	1-216-833-11	METAL SHIP 10K	5% 1/10W
R8019	1-218-712-11	METAL CHIP 6.8K	0.5% 1/10W	R8085	1-214-808-11	METAL 4.7	1% 1/2W
R8020	1-216-829-11	METAL CHIP 4.7K	5% 1/10W	R8086	1-214-808-11	METAL 4.7	1% 1/2W
R8021	1-216-833-11	METAL CHIP 10K	5% 1/10W	R8087	1-249-385-11	CARBON 2.2	5% 1/4W
R8022	1-216-839-11	METAL CHIP 33K	5% 1/10W	R8088	1-249-385-11	CARBON 2.2	5% 1/4W
R8023	1-216-833-11	METAL CHIP 10K	5% 1/10W	R8089	1-214-808-11	METAL 4.7	1% 1/2W
R8024	1-216-833-11	METAL CHIP 10K	5% 1/10W	R8090	1-214-808-11	METAL 4.7	1% 1/2W
R8025	1-216-829-11	METAL CHIP 4.7K	5% 1/10W	R8091	1-214-808-11	METAL 4.7	1% 1/2W
R8026	1-216-829-11	METAL CHIP 4.7K	5% 1/10W	R8092	1-214-808-11	METAL 4.7	1% 1/2W
R8029	1-216-829-11	METAL CHIP 4.7K	5% 1/10W	R8093	1-214-808-11	METAL 4.7	1% 1/2W
R8030	1-215-903-11	METAL OXIDE 68K	5% 2W	R8094	1-214-808-11	METAL 4.7	1% 1/2W
R8031	1-216-829-11	METAL CHIP 4.7K	5% 1/10W	R8095	1-216-801-11	METAL CHIP 22	5% 1/10W
R8032	1-216-821-11	METAL CHIP 1K	5% 1/10W	R8096	1-216-801-11	METAL CHIP 22	5% 1/10W
R8033	1-216-833-11	METAL CHIP 10K	5% 1/10W	R8097	1-214-808-11	METAL 4.7	1% 1/2W
R8034	1-216-833-11	METAL CHIP 10K	5% 1/10W	R8098	1-214-808-11	METAL 4.7	1% 1/2W
R8035	1-218-692-11	METAL CHIP 1K	0.5% 1/10W	R8100	1-216-475-11	METAL OXIDE 120	5% 3W
R8036	1-214-800-11	METAL 2.2	1% 1/2W	R8101	1-216-475-11	METAL OXIDE 120	5% 3W
R8037	1-215-903-11	METAL OXIDE 68K	5% 2W	R8102	1-218-734-11	METAL CHIP 56K	0.5% 1/10W
R8038	1-216-809-11	METAL CHIP 100	5% 1/10W	R8103	1-218-837-11	METAL CHIP 390	5% 1/10W
R8039	1-214-800-11	METAL 2.2	1% 1/2W	R8104	1-216-828-11	METAL CHIP 3.9K	5% 1/10W
R8040	1-215-913-11	METAL OXIDE 220	5% 3W	R8105	1-214-808-11	METAL 4.7	1% 1/2W
R8041	1-218-710-11	METAL CHIP 5.6K	0.5% 1/10W	R8106	1-214-808-11	METAL 4.7	1% 1/2W
R8042	1-216-826-11	METAL CHIP 2.7K	5% 1/10W	R8109	1-218-831-11	METAL CHIP 220	5% 1/10W
R8043	1-218-740-11	METAL CHIP 100K	0.5% 1/10W	R8110	1-249-424-11	CARBON 3.9K	5% 1/4W
R8044	1-218-712-11	METAL CHIP 6.8K	0.5% 1/10W	R8111	1-218-843-11	METAL CHIP 680	5% 1/10W
R8045	1-214-808-11	METAL 4.7	1% 1/2W	R8112	1-216-824-11	METAL CHIP 1.8K	5% 1/10W
R8046	1-214-808-11	METAL 4.7	1% 1/2W	R8113	1-216-475-11	METAL OXIDE 120	5% 3W
R8047	1-215-857-11	METAL OXIDE 10	5% 1W	R8114	1-216-475-11	METAL OXIDE 120	5% 3W
R8048	1-216-833-11	METAL CHIP 10K	5% 1/10W	R8115	1-216-475-11	METAL OXIDE 120	5% 3W
R8050	1-216-833-11	METAL CHIP 10K	5% 1/10W	R8116	1-216-475-11	METAL OXIDE 120	5% 3W
R8051	1-214-808-11	METAL 4.7	1% 1/2W	R8117	1-216-833-11	METAL CHIP 10K	5% 1/10W
				R8118	1-216-833-11	METAL CHIP 10K	5% 1/10W
				R8119	1-216-833-11	METAL CHIP 10K	5% 1/10W

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R8120	1-216-833-11	METAL CHIP 10K	5% 1/10W	R8192	1-215-449-00	METAL 15K	1% 1/4W
R8121	1-216-809-11	METAL CHIP 100	5% 1/10W	R8193	1-215-449-00	METAL 15K	1% 1/4W
R8122	1-215-913-11	METAL OXIDE 220	5% 3W	R8194	1-215-445-00	METAL 10K	1% 1/4W
R8123	1-216-821-11	METAL CHIP 1K	5% 1/10W	R8195	1-215-445-00	METAL 10K	1% 1/4W
R8124	1-249-377-11	CARBON 0.47	5% 1/4W	R8196	1-249-425-11	CARBON 4.7K	5% 1/4W
R8125	1-218-837-11	METAL CHIP 390	5% 1/10W	R8198	1-215-445-00	METAL 10K	1% 1/4W
R8126	1-216-823-11	METAL CHIP 1.5K	5% 1/10W	R8201	1-249-397-11	CARBON 22	5% 1/4W
R8127	1-216-341-11	METAL OXIDE 0.22	5% 1W	R8202	1-260-092-11	CARBON 270	5% 1/2W
R8128	1-216-845-11	METAL CHIP 100K	5% 1/10W	R8205	1-249-377-11	CARBON 0.47	5% 1/4W
R8129	1-216-825-11	METAL CHIP 2.2K	5% 1/10W	R8206	1-249-377-11	CARBON 0.47	5% 1/4W
R8130	1-216-825-11	METAL CHIP 2.2K	5% 1/10W	R8208	1-260-288-11	CARBON 0.47	5% 1/2W
R8131	1-216-833-11	METAL CHIP 10K	5% 1/10W	R8209	1-216-833-11	METAL CHIP 10K	5% 1/10W
R8132	1-216-833-11	METAL CHIP 10K	5% 1/10W	R8210	1-216-809-11	METAL CHIP 100	5% 1/10W
R8133	1-216-487-11	METAL OXIDE 12K	5% 3W	R8211	1-215-906-11	METAL OXIDE 15	5% 3W
R8134	1-215-873-00	METAL OXIDE 4.7K	5% 1W	R8212	1-215-907-11	METAL OXIDE 22	5% 3W
R8135	1-215-924-00	METAL OXIDE 15K	5% 3W	R8213	1-216-821-11	METAL CHIP 1K	5% 1/10W
R8136	1-216-833-11	METAL CHIP 10K	5% 1/10W	R8216	1-216-833-11	METAL CHIP 10K	5% 1/10W
R8137	1-218-740-11	METAL CHIP 100K	0.5% 1/10W	R8217	1-216-821-11	METAL CHIP 1K	5% 1/10W
R8138	1-216-833-11	METAL CHIP 10K	5% 1/10W	R8218	1-260-123-11	CARBON 100K	5% 1/2W
R8139	1-216-827-11	RMETAL CHIP 3.3K	5% 1/10W	R8219	1-249-377-11	CARBON 0.47	5% 1/4W
R8140	1-216-833-11	METAL CHIP 10K	5% 1/10W	R8220	1-216-821-11	METAL CHIP 1K	5% 1/10W
R8141	1-216-827-11	METAL CHIP 3.3K	5% 1/10W	R8222	1-216-341-11	METAL OXIDE 0.22	5% 1W
R8142	1-216-833-11	METAL CHIP 10K	5% 1/10W	R8223	1-218-752-11	METAL CHIP 330K	0.5% 1/10W
R8143	1-218-734-11	METAL CHIP 56K	0.5% 1/10W	R8224	1-260-127-11	CARBON 220K	5% 1/2W
R8144	1-216-809-11	METAL CHIP 100	5% 1/10W	R8225	1-260-292-11	CARBON 1	5% 1/2W
R8145	1-218-716-11	METAL CHIP 10K	0.5% 1/10W	R8228	1-260-314-11	CARBON 68	5% 1/2W
R8146	1-218-716-11	METAL CHIP 10K	0.5% 1/10W	R8230	1-218-751-11	METAL CHIP 300K	0.5% 1/10W
R8147	1-218-710-11	METAL CHIP 5.6K	0.5% 1/10W	R8232	1-216-809-11	METAL CHIP 100	5% 1/10W
R8148	1-218-740-11	METAL CHIP 100K	0.5% 1/10W	R8233	1-216-809-11	METAL CHIP 100	5% 1/10W
R8149	1-249-401-11	CARBON 47	5% 1/4W	R8234	1-216-809-11	METAL CHIP 100	5% 1/10W
R8150	1-218-740-11	METAL CHIP 100K	0.5% 1/10W	R8235	1-216-809-11	METAL CHIP 100	5% 1/10W
R8151	1-218-692-11	METAL CHIP 1K	0.5% 1/10W	R8236	1-216-855-11	METAL CHIP 680K	5% 1/10W
R8152	1-218-716-11	METAL CHIP 10K	0.5% 1/10W	R8237	1-216-855-11	METAL CHIP 680K	5% 1/10W
R8153	1-218-692-11	METAL CHIP 1K	0.5% 1/10W	R8242	1-216-864-11	SHORT CHIP 0	
R8154	1-218-728-11	METAL CHIP 33K	0.5% 1/10W	R8243	1-216-809-11	METAL CHIP 100	5% 1/10W
R8155	1-215-469-00	METAL 100K	1% 1/4W	R8249	1-215-923-00	METAL OXIDE 10K	5% 3W
R8156	1-215-469-00	METAL 100K	1% 1/4W	R8250	1-215-923-00	METAL OXIDE 10K	5% 3W
R8157	1-218-738-11	METAL CHIP 82K	0.5% 1/10W	R8251	1-216-821-11	METAL CHIP 1K	5% 1/10W
R8159	1-216-833-11	METAL CHIP 10K	5% 1/10W	R8253	1-218-837-11	METAL CHIP 390	5% 1/10W
R8161	1-216-845-11	METAL CHIP 100K	5% 1/10W	R8254	1-216-823-11	METAL CHIP 1.5K	5% 1/10W
R8162	1-249-377-11	CARBON 0.47	5% 1/4W	R8255	1-215-873-00	METAL OXIDE 4.7K	5% 1W
R8163	1-216-845-11	METAL CHIP 100K	5% 1/10W	R8256	1-249-401-11	CARBON 47	5% 1/4W
R8164	1-218-734-11	METAL CHIP 56K	0.5% 1/10W	R8258	1-216-833-11	METAL SHIP 10K	5% 1/10W
R8165	1-249-425-11	CARBON 4.7K	5% 1/4W	R8259	1-216-809-11	METAL SHIP 100	5% 1/10W
R8166	1-218-716-11	METAL CHIP 10K	0.5% 1/10W	R8260	1-216-845-11	METAL SHIP 100K	5% 1/10W
R8168	1-216-809-11	METAL CHIP 100	5% 1/10W	R8261	1-216-845-11	METAL SHIP 100K	5% 1/10W
R8169	1-216-845-11	METAL CHIP 100K	5% 1/10W	R8262	1-216-845-11	METAL SHIP 100K	5% 1/10W
R8170	1-218-712-11	METAL CHIP 6.8K	0.5% 1/10W	R8263	1-216-845-11	METAL SHIP 100K	5% 1/10W
R8171	1-216-809-11	METAL CHIP 100	5% 1/10W				
R8172	1-249-405-11	CARBON 100	5% 1/4W				
R8173	1-216-845-11	METAL CHIP 100K	5% 1/10W			<TRANSFORMER>	
R8174	1-249-425-11	CARBON 4.7K	5% 1/4W	T8001	1-437-708-11	TRANSFORMER, FERRITE (DFT)	
R8176	1-218-740-11	METAL CHIP 100K	0.5% 1/10W	T8002	1-437-739-11	TRANSFORMER, FERRITE (HDT)	
R8178	1-218-887-11	METAL CHIP 47K	5% 1/10W	T8003	1-437-401-11	TRANSFORMER, FERRITE (HOT)	
R8180	1-218-887-11	METAL CHIP 47K	5% 1/10W	T8004 Δ	1-437-399-21	TRANSFORMER, FERRITE (LOT)	
R8181	1-218-887-11	METAL CHIP 47K	5% 1/10W	T8005 Δ	1-453-285-41	FBT ASSY, NX-4006/M3P4	
R8182	1-218-748-11	METAL CHIP 220K	0.5% 1/10W	T8006	1-437-739-11	TRANSFORMER, FERRITE (HDT)	
R8183	1-218-748-11	METAL CHIP 220K	0.5% 1/10W				
R8189	1-249-377-11	CARBON 0.47	5% 1/4W				
R8190	1-215-431-00	METAL 2.7K	1% 1/4W				
R8191	1-215-429-00	METAL 2.2K	1% 1/4W				

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
		<THERMISTOR>					
TH8001	1-800-193-00	THERMISTOR		C6705	1-104-706-11	MYLAR	0.22UF 20.00% 250V
		<VARIABLE RESISTER>		C6706	1-119-894-51	CERAMIC	2200PF 20.00% 250V
VR8001	Δ 1-225-627-91	RES, VAR, ADJ, CERMET 2K (HV ADJ)		C6707	1-161-964-91	CERAMIC	0.0047UF 250V
VR8002	Δ 1-225-630-91	RES, VAR, ADJ, CERMET 20K (HV PROT)		C6708	1-161-964-91	CERAMIC	0.0047UF 250V
*****				C6710	1-137-750-11	ELECT	1500UF 20.00% 250V
	*A-1300-994-A	G BOARD, COMPLETE		C6711	1-165-950-11	FILM	68000PF 3% 800V
	4-044-778-11	COVER, CAP TYPE CONDENSER		C6712	1-125-969-91	CERAMIC	680PF 10.00% 1KV
	4-382-854-11	SCREW (M3X10), P, SW (+)		C6713	1-104-666-11	ELECT	220UF 20.00% 25V
	*7-651-000-50	GREASE,SILICON (G-746) 200G		C6714	1-162-974-11	CERAMIC CHIP	0.01UF 50V
		<CAPACITOR>		C6715	1-136-479-11	FILM	0.001UF 2.00% 50V
C6502	1-126-933-11	ELECT	100UF 20.00% 16V	C6718	1-136-165-00	FILM	0.1UF 5.00% 50V
C6507	1-126-936-11	ELECT	3300UF 20.00% 16V	C6719	1-126-964-11	ELECT	10UF 20.00% 50V
C6509	1-126-934-11	ELECT	220UF 20.00% 16V	C6720	1-125-969-91	CERAMIC	680PF 10.00% 1KV
C6514	1-126-937-11	ELECT	4700UF 20.00% 16V	C6721	1-126-963-11	ELECT	4.7UF 20.00% 50V
C6516	1-126-933-11	ELECT	100UF 20.00% 16V	C6723	1-126-949-11	ELECT	220UF 20.00% 35V
C6523	1-126-934-11	ELECT	220UF 20.00% 16V	C6724	1-126-967-11	ELECT	47UF 20.00% 50V
C6525	1-104-665-11	ELECT	100UF 20.00% 25V	C6725	1-162-964-11	CERAMIC CHIP	0.001UF 10.00% 50V
C6526	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V	C6726	1-126-947-11	ELECT	47UF 20.00% 25V
C6531	1-126-952-11	ELECT	1000UF 20.00% 35V	C6727	1-126-968-11	ELECT	100UF 20.00% 50V
C6532	1-126-951-11	ELECT	470UF 20.00% 35V	C6728	1-107-675-11	ELECT	1UF 20.00% 450V
C6533	1-162-974-11	CERAMIC CHIP	0.01UF 50V	C6729	1-107-427-91	CERAMIC	0.001UF 10.00% 1KV
C6534	1-104-665-11	ELECT	100UF 20.00% 25V	C6731	1-107-427-91	CERAMIC	0.001UF 10.00% 1KV
C6535	1-126-952-11	ELECT	1000UF 20.00% 35V	C6733	1-107-680-11	ELECT	22UF 20.00% 450V
C6536	1-126-951-11	ELECT	470UF 20.00% 35V	C6734	1-107-665-11	ELECT	100UF 20.00% 25V
C6537	1-162-974-11	CERAMIC CHIP	0.01UF 50V	C6735	1-107-662-91	ELECT	22UF 20.00% 25V
C6539	1-162-974-11	CERAMIC CHIP	0.01UF 50V	C6736	Δ 1-104-708-11	MYLAR	0.47UF 20.00% 250V
C6541	1-126-952-11	ELECT	1000UF 20.00% 35V	C6737	Δ 1-109-835-11	MYLAR	0.68UF 20.00% 250V
C6542	1-126-948-11	ELECT	100UF 20.00% 35V	C6738	Δ 1-117-703-11	CERAMIC	0.0047UF 99% 250V
C6544	1-162-974-11	CERAMIC CHIP	0.01UF 50V			<CONNECTOR>	
C6546	1-126-952-11	ELECT	1000UF 20.00% 35V	CN6502	*1-764-333-11	PLUG, CONNECTOR 10P	
C6547	1-126-948-11	ELECT	100UF 20.00% 35V	CN6503	*1-779-092-11	PIN, CONNECTOR (PC BOARD) 10P	
C6553	1-137-651-11	ELECT	560UF 20% 160V	CN6504	*1-564-509-11	PLUG, CONNECTOR 6P	
C6554	1-137-651-11	ELECT	560UF 20% 160V	CN6701	*1-580-843-11	PIN, CONNECTOR (POWER)	
C6555	1-126-974-11	ELECT	3300UF 20.00% 50V	CN6702	1-695-915-11	TAB (CONTACT)	
C6556	1-126-964-11	ELECT	10UF 20.00% 50V	CN6703	*1-580-689-11	PIN, CONNECTOR (PC BOARD) 4P	
C6560	1-126-974-11	ELECT	3300UF 20.00% 50V	CN6704	*1-580-689-11	PIN, CONNECTOR (PC BOARD) 4P	
C6561	1-126-964-11	ELECT	10UF 20.00% 50V	CN6705	*1-691-960-11	PIN, CONNECTOR (PC BOARD) 3P	
C6563	1-162-974-11	CERAMIC CHIP	0.01UF 50V	CN6799	1-695-915-11	TAB (CONTACT)	
C6567	1-126-947-11	ELECT	47UF 20.00% 25V			<DIODE>	
C6568	1-126-947-11	ELECT	47UF 20.00% 25V	D6502	8-719-060-88	DIODE D4SBS6	
C6569	1-104-665-11	ELECT	100UF 20.00% 25V	D6503	8-719-060-88	DIODE D4SBS6	
C6570	1-164-227-11	CERAMIC CHIP	0.022UF 10.00% 25V	D6505	8-719-988-61	DIODE 1SS355TE-17	
C6573	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V	D6507	8-719-083-66	DIODE UDZSTE-1718B	
C6575	1-126-963-11	ELECT	4.7UF 20.00% 50V	D6513	8-719-063-70	DIODE D1NL20U-TA2	
C6579	1-126-940-11	ELECT	330UF 20.00% 25V	D6514	8-719-510-02	DIODE D1NS4-TA2	
C6585	1-104-666-11	ELECT	220UF 20.00% 25V	D6515	8-719-060-88	DIODE D4SBS6	
C6586	1-164-156-11	CERAMIC CHIP	0.1UF 25V	D6517	8-719-982-26	DIODE MTZJ-T-77-33B	
C6587	1-128-551-11	ELECT	220UF 20.00% 25V	D6518	8-719-050-18	DIODE D4SBL20U	
C6701	1-119-894-51	CERAMIC	2200PF 20.00% 250V	D6519	8-719-060-88	DIODE D4SBS6	
C6702	1-161-964-91	CERAMIC	0.0047UF 250V	D6520	8-719-988-61	DIODE 1SS355TE-17	
C6703	1-161-964-91	CERAMIC	0.0047UF 250V	D6521	8-719-083-70	DIODE UDZSTE-1727B	
C6704	1-137-750-11	ELECT	1500UF 20.00% 250V	D6522	8-719-083-60	DIODE UDZSTE-174.7B	
				D6523	8-719-988-61	DIODE 1SS355TE-17	
				D6524	8-719-988-61	DIODE 1SS355TE-17	
				D6525	8-719-988-61	DIODE 1SS355TE-17	
				D6526	8-719-988-61	DIODE 1SS355TE-17	
				D6532	1-216-864-11	SHOT CHIP 0	
				D6534	8-719-510-12	DIODE D10SC4M-F	

The components identified by shading
 and mark Δ are critical for safety.
 Replace only with part number specified.



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
D6535	8-719-510-13	DIODE D10SC4MR				<COIL>	
D6536	8-719-988-61	DIODE 1SS355TE-17		L6503	1-412-528-11	INDUCTOR 18UH	
D6538	8-719-988-61	DIODE 1SS355TE-17		L6504	1-406-659-11	INDUCTOR 10UH	
D6540	8-719-988-61	DIODE 1SS355TE-17		L6509	1-412-529-11	INDUCTOR 22UH	
D6596	8-719-988-61	DIODE 1SS355TE-17		L6510	8-719-510-02	DIODE D1NS4-TA2	
D6599	8-719-056-84	DIODE UDZSTE-177.5B		L6511	1-412-529-11	INDUCTOR 22UH	
D6701	8-719-068-00	DIODE ERC04-06SE		L6512	1-412-533-21	INDUCTOR 47UH	
D6702	8-719-022-99	DIODE D6SB60L		L6513	1-412-533-21	INDUCTOR 47UH	
D6703	8-719-068-00	DIODE ERC04-06SE		L6514	1-406-665-11	INDUCTOR 100UH	
D6704	8-719-988-61	DIODE 1SS355TE-17		L6515	1-406-659-11	INDUCTOR 10UH	
D6705	8-719-988-61	DIODE 1SS355TE-17		L6516	1-406-659-11	INDUCTOR 10UH	
D6706	8-719-948-45	DIODE ERA22-08		L6519	1-412-519-11	INDUCTOR 3.3UH	
D6712	8-719-083-78	DIODE 10ERA60-TP		L6520	1-412-519-11	INDUCTOR 3.3UH	
D6715	8-719-063-70	DIODE D1NL20U-TA2		L6521	1-414-189-31	INDUCTOR 100UH	
D6716	8-719-988-61	DIODE 1SS355TE-17		L6523	1-406-659-11	INDUCTOR 10UH	
D6717	8-719-068-00	DIODE ERC04-06SE		L6525	1-406-659-11	INDUCTOR 10UH	
D6718	8-719-077-76	DIODE D2SB60A-F04		L6702 Δ	1-433-900-11	TRANSFORMER, LINE FILTER	
D6719	8-719-063-70	DIODE D1NL20U-TA2		L6703 Δ	1-433-900-11	TRANSFORMER, LINE FILTER	
D6730	8-719-988-61	DIODE 1SS355TE-17				<PHOTO COUPLER>	
D6731	8-719-110-57	DIODE RD22E-B		PH6001 Δ	8-749-924-35	PHOTO COUPLER ON3171-R	
		<FUSE>		PH6002 Δ	8-749-924-35	PHOTO COUPLER ON3171-R	
F6701 Δ	1-532-325-00	FUSE, TIME-LAG 6.3A/250V				<IC LINK>	
FH6701	1-533-223-11	CLIP, FUSE (FOR ; F6701)		PS6501 Δ	1-533-790-31	LINK, IC 7A/90V	
FH6702	1-533-223-11	CLIP, FUSE		PS6502 Δ	1-533-790-31	LINK, IC 7A/90V	
		<FERRITE BEAD>		PS6503 Δ	1-533-597-31	LINK, IC 5A/90V	
FB6503	1-410-396-41	FERRITE 0.45UH		PS6504 Δ	1-533-597-31	LINK, IC 5A/90V	
FB6504	1-410-396-41	FERRITE 0.45UH		PS6505 Δ	1-533-597-31	LINK, IC 5A/90V	
FB6505	1-410-396-41	FERRITE 0.45UH		PS6506 Δ	1-533-597-31	LINK, IC 5A/90V	
FB6508	1-410-396-41	FERRITE 0.45UH		PS6508 Δ	1-533-597-31	LINK, IC 5A/90V	
FB6599	1-410-396-41	FERRITE 0.45UH		PS6509 Δ	1-533-597-31	LINK, IC 5A/90V	
FB6703	1-410-396-71	FERRITE 0.45UH				<TRANSISTOR>	
FB6706	1-410-397-21	FERRITE 1.1UH		Q6502	8-729-026-49	TRANSISTOR 2SA1037AK-T146-QR	
FB6707	1-410-397-21	FERRITE 1.1UH		Q6503	8-729-050-50	TRANSISTOR 2SD1782K-T146-R	
FB6708	1-410-397-21	FERRITE 1.1UH		Q6504	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
FB6709	1-410-397-21	FERRITE 1.1UH		Q6507	8-729-027-23	TRANSISTOR DTA114EKA-T146	
FB6710	1-410-396-41	FERRITE 0.45UH		Q6701	8-729-052-32	TRANSISTOR IRFIB7N50A-LF31	
		<IC>		Q6702	8-729-052-32	TRANSISTOR IRFIB7N50A-LF31	
IC6501	8-759-394-35	IC BA12T				<RESISTOR>	
IC6502	8-759-103-93	IC UPC393C		R6504	1-249-377-11	CARBON 0.47 5% 1/4W	
IC6503 Δ	8-749-012-13	IC DM-58		R6505	1-215-925-11	METAL OXIDE 22K 5% 3W	
IC6504 Δ	8-759-198-31	IC UPC1093J-1-T		R6506	1-216-361-21	METAL OXIDE 0.22 5% 2W	
IC6701	8-759-670-30	IC MCZ3001D		R6507	1-249-377-11	CARBON 0.47 5% 1/4W	
IC6702	8-761-541-11	SELECTION UNIT, RECTIFIER		R6508	1-216-355-11	METAL OXIDE 3.3 5% 1W	
		<CHIP CONDUCTOR>		R6510	1-216-821-11	METAL CHIP 1K 5% 1/10W	
JR6501	1-216-295-91	SHORT CHIP 0		R6511	1-216-824-11	METAL CHIP 1.8K 5% 1/10W	
JR6502	1-216-295-91	SHORT CHIP 0		R6512	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
JR6503	1-216-295-91	SHORT CHIP 0		R6513	1-216-864-11	SHORT CHIP 0	
JR6505	1-216-295-91	SHORT CHIP 0		R6514	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
JR6506	1-216-295-91	SHORT CHIP 0		R6515	1-216-821-11	METAL CHIP 1K 5% 1/10W	
JR6509	1-216-295-91	SHORT CHIP 0		R6516 Δ	1-218-740-11	METAL CHIP 100K 0.5% 1/10W	
JR6510	1-218-887-11	METAL CHIP 47K 5% 1/10W		R6517 Δ	1-218-708-11	METAL CHIP 4.7K 0.5% 1/10W	
				R6518 Δ	1-249-415-11	CARBON 680 5% 1/4W	
				R6519	1-218-708-11	METAL CHIP 4.7K 0.5% 1/10W	



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C626	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V	C814	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V
C627	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V	C815	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V
C628	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V	C816	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V
C629	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V	C817	1-162-916-11	CERAMIC CHIP	12PF 5.00% 50V
C630	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V	C818	1-162-916-11	CERAMIC CHIP	12PF 5.00% 50V
C631	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V	C819	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V
C632	1-126-206-11	ELECT CHIP	100UF 20.00% 6.3V	C820	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V
C633	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V	C821	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V
C634	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V	C822	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V
C635	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V	C823	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V
C636	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V	C824	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V
C637	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V	C827	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V
C640	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V	C829	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V
C701	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V	C831	1-164-156-11	CERAMIC CHIP	0.1UF 25V
C702	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V	C839	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V
C703	1-126-206-11	ELECT CHIP	100UF 20.00% 6.3V	C840	1-126-206-11	ELECT CHIP	100UF 20.00% 6.3V
C704	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V	C841	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V
C705	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V	C842	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V
C706	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V	C843	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V
C707	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V	C844	1-164-156-11	CERAMIC CHIP	0.1UF 25V
C708	1-165-908-91	CERAMIC CHIP	1UF 10% 10V	C848	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V
C710	1-164-156-11	CERAMIC CHIP	0.1UF 25V	C849	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V
C711	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V	C851	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V
C712	1-164-156-11	CERAMIC CHIP	0.1UF 25V	C853	1-162-967-11	CERAMIC CHIP	0.0033UF 10.00% 50V
C713	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V	C854	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V
C714	1-164-156-11	CERAMIC CHIP	0.1UF 25V	C901	1-164-156-11	CERAMIC CHIP	0.1UF 25V
C715	1-164-156-11	CERAMIC CHIP	0.1UF 25V	C902	1-164-156-11	CERAMIC CHIP	0.1UF 25V
C716	1-164-156-11	CERAMIC CHIP	0.1UF 25V	C903	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V
C717	1-165-908-91	CERAMIC CHIP	1UF 10% 10V	C904	1-124-779-00	ELECT CHIP	10UF 20.00% 16V
C718	1-164-156-11	CERAMIC CHIP	0.1UF 25V	C905	1-165-908-91	CERAMIC CHIP	1UF 10% 10V
C719	1-164-156-11	CERAMIC CHIP	0.1UF 25V	C906	1-124-779-00	ELECT CHIP	10UF 20.00% 16V
C720	1-164-156-11	CERAMIC CHIP	0.1UF 25V	C907	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V
C721	1-164-156-11	CERAMIC CHIP	0.1UF 25V	C908	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V
C722	1-165-908-91	CERAMIC CHIP	1UF 10% 10V	C909	1-128-994-21	ELECT CHIP	47UF 20% 10V
C723	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V	C910	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V
C724	1-165-908-91	CERAMIC CHIP	1UF 10% 10V	C911	1-126-206-11	ELECT CHIP	100UF 20.00% 6.3V
C725	1-124-779-00	ELECT CHIP	10UF 20.00% 16V	C912	1-126-206-11	ELECT CHIP	100UF 20.00% 6.3V
C726	1-124-779-00	ELECT CHIP	10UF 20.00% 16V	C913	1-126-206-11	ELECT CHIP	100UF 20.00% 6.3V
C727	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V	C914	1-126-193-11	ELECT CHIP	1UF 20.00% 50V
C728	1-126-206-11	ELECT CHIP	100UF 20.00% 6.3V	C915	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V
C729	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V	C916	1-164-156-11	CERAMIC CHIP	0.1UF 25V
C730	1-126-204-11	ELECT CHIP	47UF 20.00% 16V	C917	1-128-994-21	ELECT CHIP	47UF 20% 10V
C733	1-128-994-21	ELECT CHIP	47UF 20% 10V	C918	1-164-156-11	CERAMIC CHIP	0.1UF 25V
C734	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V	C950	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V
C735	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V	C954	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V
C736	1-126-206-11	ELECT CHIP	100UF 20.00% 6.3V	C955	1-162-925-11	CERAMIC CHIP	68PF 5.00% 50V
C737	1-165-908-91	CERAMIC CHIP	1UF 10% 10V	C956	1-162-925-11	CERAMIC CHIP	68PF 5.00% 50V
C738	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V	C8020	1-126-206-11	ELECT CHIP	100UF 20.00% 6.3V
C739	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V	C8601	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V
C801	1-124-779-00	ELECT CHIP	10UF 20.00% 16V	C8602	1-124-779-00	ELECT CHIP	10UF 20.00% 16V
C802	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V	C8603	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V
C803	1-124-779-00	ELECT CHIP	10UF 20.00% 16V	C8604	1-124-779-00	ELECT CHIP	10UF 20.00% 16V
C804	1-124-779-00	ELECT CHIP	10UF 20.00% 16V	C8605	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V
C806	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V	C8606	1-124-779-00	ELECT CHIP	10UF 20.00% 16V
C807	1-124-779-00	ELECT CHIP	10UF 20.00% 16V	C8607	1-164-156-11	CERAMIC CHIP	0.1UF 25V
C808	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V	C8608	1-128-934-91	CERAMIC CHIP	0.33UF 20% 10V
C809	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V	C8609	1-162-967-11	CERAMIC CHIP	0.0033UF 10.00% 50V
C810	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V	C8610	1-162-927-11	CERAMIC CHIP	100PF 5.00% 50V
C811	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V	C8611	1-162-927-11	CERAMIC CHIP	100PF 5.00% 50V
C812	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V	C8612	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V
C813	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V				

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C8613	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	FB901	1-216-864-11	SHORT CHIP	0
C8615	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	FB902	1-216-864-11	SHORT CHIP	0
C8617	1-164-156-11	CERAMIC CHIP 0.1UF	25V	FB8601	1-414-554-21	FERRITE	0UH
C8621	1-164-156-11	CERAMIC CHIP 0.1UF	25V	FB8602	1-414-554-21	FERRITE	0UH
C8622	1-164-156-11	CERAMIC CHIP 0.1UF	25V				
C8623	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V				
C8624	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V			<FILTER>	
C8625	1-164-156-11	CERAMIC CHIP 0.1UF	25V	FL501	1-233-877-11	FILTER, LOW PASS	
C8630	1-164-156-11	CERAMIC CHIP 0.1UF	25V	FL502	1-234-344-21	FILTER, LOW PASS	
C8631	1-164-156-11	CERAMIC CHIP 0.1UF	25V	FL503	1-234-344-21	FILTER, LOW PASS	
C8632	1-164-156-11	CERAMIC CHIP 0.1UF	25V	FL504	1-234-177-21	FERRITE	0UH
C8633	1-164-156-11	CERAMIC CHIP 0.1UF	25V	FL505	1-234-177-21	FERRITE	0UH
C8634	1-165-908-91	CERAMIC CHIP 1UF	10% 10V	FL506	1-234-177-21	FERRITE	0UH
C8635	1-165-908-91	CERAMIC CHIP 1UF	10% 10V	FL508	1-234-177-21	FERRITE	0UH
C8636	1-164-156-11	CERAMIC CHIP 0.1UF	25V	FL601	1-234-177-21	FERRITE	0UH
C8637	1-165-908-91	CERAMIC CHIP 1UF	10% 10V	FL602	1-234-177-21	FERRITE	0UH
C8638	1-165-908-91	CERAMIC CHIP 1UF	10% 10V	FL603	1-234-177-21	FERRITE	0UH
C8639	1-128-994-21	ELECT CHIP 47UF	20% 10V	FL606	1-239-560-11	FILTER, CHIP EMI	
C8640	1-115-156-11	CERAMIC CHIP 1UF	10V	FL702	1-234-177-21	FERRITE	0UH
C8641	1-115-156-11	CERAMIC CHIP 1UF	10V	FL703	1-234-177-21	FERRITE	0UH
C8642	1-164-156-11	CERAMIC CHIP 0.1UF	25V	FL801	1-234-177-21	FERRITE	0UH
C8643	1-164-156-11	CERAMIC CHIP 0.1UF	25V	FL802	1-234-177-21	FERRITE	0UH
C8644	1-164-156-11	CERAMIC CHIP 0.1UF	25V	FL803	1-234-177-21	FERRITE	0UH
C8645	1-164-156-11	CERAMIC CHIP 0.1UF	25V	FL804	1-234-177-21	FERRITE	0UH
C8646	1-164-156-11	CERAMIC CHIP 0.1UF	25V	FL807	1-234-177-21	FERRITE	0UH
C8647	1-164-156-11	CERAMIC CHIP 0.1UF	25V	FL808	1-234-177-21	FERRITE	0UH
C8648	1-164-156-11	CERAMIC CHIP 0.1UF	25V	FL901	1-781-923-21	FILTER, LOW PASS (SMD)	
C8649	1-164-156-11	CERAMIC CHIP 0.1UF	25V	FL904	1-234-177-21	FERRITE	0UH
C8650	1-126-204-11	ELECT CHIP 47UF	20.00% 16V	FL905	1-234-177-21	FERRITE	0UH
C8651	1-128-994-21	ELECT CHIP 47UF	20.00% 10V	FL906	1-234-177-21	FERRITE	0UH
C8652	1-164-156-11	CERAMIC CHIP 0.1UF	25V	FL8601	1-234-559-21	FILTER, LOW PASS	
C8655	1-164-156-11	CERAMIC CHIP 0.1UF	25V	FL8602	1-234-559-21	FILTER, LOW PASS	
C8656	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	FL8603	1-234-560-21	FILTER, LOW PASS	
C8657	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V				
		<CONNECTOR>				<IC>	
CN502	* 1-785-303-11	CONNECTOR, DIN (PLUG) 64P		IC503	8-759-641-26	IC NJM2391DL1-33(TE1)	
		<DIODE>		IC504	8-759-669-78	IC TLC2933IPWR-12	
D604	8-719-046-91	DIODE MA2S111-TX		IC601	8-752-409-78	IC CXD2095AQ	
D701	8-719-046-91	DIODE MA2S111-TX		IC602	6-701-120-01	IC W981616BH-7-EL10	
D702	8-719-046-91	DIODE MA2S111-TX		IC605	8-749-015-18	IC PQ07VZ012ZP	
D801	8-719-046-91	DIODE MA2S111-TX		IC701	6-700-188-01	IC IS41C16256-35K	
D802	8-719-801-78	DIODE 1SS301-TE85L		IC702	6-702-503-01	IC TC90A90F(BH,DRY)	
D803	8-719-024-81	DIODE 1SS300-TE85L		IC801	8-759-672-57	IC CXD9509AQ	
D901	8-719-024-81	DIODE 1SS300-TE85L		IC802	8-759-677-37	IC MT48LC2M32B2TG-6	
D902	8-719-801-78	DIODE 1SS301-TE85L		IC803	8-759-460-29	IC PST9120NL	
D903	8-719-046-91	DIODE MA2S111-TX		IC804	8-759-082-57	IC TC7W04FU(TE12R)	
		<FERRITE BEAD>		IC901	8-752-414-92	IC CXD2309AQ-T6	
FB501	1-414-760-21	FERRITE	0UH	IC902	6-801-939-01	IC MB94918RPF-G-149-BND	
FB502	1-414-760-21	FERRITE	0UH	IC903	8-759-682-41	IC M24C32-WMN6T(A)	
FB503	1-414-760-21	FERRITE	0UH	IC904	8-759-349-11	IC PST9145NL	
FB504	1-414-760-21	FERRITE	0UH	IC8601	8-752-093-03	IC CXA3506R	
FB507	1-414-760-21	FERRITE	0UH			<COIL>	
FB701	1-216-864-11	SHORT CHIP	0	L501	1-469-549-21	INDUCTOR	1UH
FB801	1-414-554-21	FERRITE	0UH	L502	1-469-549-21	INDUCTOR	1UH
FB802	1-414-554-21	FERRITE	0UH	L503	1-469-549-21	INDUCTOR	1UH
FB803	1-414-760-21	FERRITE	0UH	L504	1-469-549-21	INDUCTOR	1UH
				L505	1-469-555-21	INDUCTOR	10UH

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
L506	1-469-549-21	INDUCTOR	1UH			<RESISTOR>	
L507	1-469-549-21	INDUCTOR	1UH				
L508	1-469-555-21	INDUCTOR	10UH	R361	1-216-827-11	METAL CHIP 3.3K	5% 1/10W
L509	1-469-555-21	INDUCTOR	10UH	R362	1-216-825-11	METAL CHIP 2.2K	5% 1/10W
L510	1-469-549-21	INDUCTOR	1UH	R364	1-216-864-11	SHORT CHIP 0	
L511	1-469-549-21	INDUCTOR	1UH	R414	1-216-809-11	METAL CHIP 100	5% 1/10W
L512	1-469-549-21	INDUCTOR	1UH	R501	1-216-809-11	METAL CHIP 100	5% 1/10W
L513	1-412-058-11	INDUCTOR	10UH	R502	1-216-809-11	METAL CHIP 100	5% 1/10W
L514	1-469-555-21	INDUCTOR	10UH	R503	1-216-864-11	SHORT CHIP 0	
L702	1-469-549-21	INDUCTOR	1UH	R504	1-216-864-11	SHORT CHIP 0	
L704	1-469-549-21	INDUCTOR	1UH	R505	1-216-864-11	SHORT CHIP 0	
L705	1-469-549-21	INDUCTOR	1UH	R506	1-216-809-11	METAL CHIP 100	5% 1/10W
L706	1-469-549-21	INDUCTOR	1UH	R507	1-216-809-11	METAL CHIP 100	5% 1/10W
L707	1-469-555-21	INDUCTOR	10UH	R508	1-216-809-11	METAL CHIP 100	5% 1/10W
L708	1-469-555-21	INDUCTOR	10UH	R509	1-218-835-11	METAL CHIP 330	5% 1/10W
L901	1-469-555-21	INDUCTOR	10UH	R510	1-216-809-11	METAL CHIP 100	5% 1/10W
L908	1-469-552-21	INDUCTOR	3.3UH	R511	1-216-809-11	METAL CHIP 100	5% 1/10W
L8601	1-469-555-21	INDUCTOR	10UH	R512	1-216-809-11	METAL CHIP 100	5% 1/10W
L8602	1-412-058-11	INDUCTOR	10UH	R513	1-216-809-11	METAL CHIP 100	5% 1/10W
L8604	1-469-555-21	INDUCTOR	10UH	R514	1-216-809-11	METAL CHIP 100	5% 1/10W
L8605	1-469-555-21	INDUCTOR	10UH	R515	1-216-809-11	METAL CHIP 100	5% 1/10W
L8606	1-469-555-21	INDUCTOR	10UH	R516	1-216-809-11	METAL CHIP 100	5% 1/10W
		<TRANSISTOR>		R517	1-216-809-11	METAL CHIP 100	5% 1/10W
Q304	8-729-905-35	TRANSISTOR 2SC4081T106R		R520	1-218-841-11	METAL CHIP 560	0.5% 1/10W
Q501	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR		R523	1-218-841-11	METAL CHIP 560	0.5% 1/10W
Q502	8-729-905-36	TRANSISTOR 2SC4081T106S		R526	1-218-841-11	METAL CHIP 560	0.5% 1/10W
Q503	8-729-905-36	TRANSISTOR 2SC4081T106S		R528	1-218-835-11	METAL CHIP 330	5% 1/10W
Q517	8-729-905-35	TRANSISTOR 2SC4081T106R		R529	1-218-839-11	METAL CHIP 5.6K	0.5% 1/10W
Q518	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR		R530	1-218-839-11	METAL CHIP 5.6K	0.5% 1/10W
Q519	8-729-402-42	TRANSISTOR UN5213-TX		R531	1-216-812-11	METAL CHIP 180	5% 1/10W
Q521	8-729-905-35	TRANSISTOR 2SC4081T106R		R532	1-218-839-11	METAL CHIP 5.6K	0.5% 1/10W
Q522	8-729-905-35	TRANSISTOR 2SC4081T106R		R533	1-216-812-11	METAL CHIP 180	5% 1/10W
Q523	8-729-905-35	TRANSISTOR 2SC4081T106R		R540	1-216-821-11	METAL CHIP 1K	5% 1/10W
Q601	8-729-905-35	TRANSISTOR 2SC4081T106R		R561	1-218-841-11	METAL CHIP 560	5% 1/10W
Q901	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR		R562	1-218-841-11	METAL CHIP 560	5% 1/10W
Q902	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR		R563	1-218-841-11	METAL CHIP 560	5% 1/10W
Q903	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR		R596	1-216-821-11	METAL CHIP 1K	5% 1/10W
Q904	8-729-031-34	TRANSISTOR 2SK2034-TE85L		R601	1-216-801-11	METAL CHIP 22	5% 1/10W
Q905	8-729-031-34	TRANSISTOR 2SK2034-TE85L		R602	1-216-864-11	SHORT CHIP 0	
Q906	8-729-905-35	TRANSISTOR 2SC4081T106R		R603	1-216-864-11	SHORT CHIP 0	
Q907	8-729-905-35	TRANSISTOR 2SC4081T106R		R604	1-218-831-11	METAL CHIP 220	5% 1/10W
Q908	8-729-905-35	TRANSISTOR 2SC4081T106R		R605	1-216-864-11	SHORT CHIP 0	
Q909	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR		R609	1-216-833-11	METAL CHIP 10K	5% 1/10W
Q911	8-729-905-35	TRANSISTOR 2SC4081T106R		R610	1-218-831-11	METAL CHIP 220	5% 1/10W
Q912	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR		R613	1-216-833-11	METAL CHIP 10K	5% 1/10W
Q913	8-729-028-28	TRANSISTOR 2SK2036(TE85L)		R616	1-216-833-11	METAL CHIP 10K	5% 1/10W
Q914	8-729-028-28	TRANSISTOR 2SK2036(TE85L)		R617	1-216-864-11	SHORT CHIP 0	
Q8601	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR		R618	1-216-833-11	METAL CHIP 10K	5% 1/10W
Q8602	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR		R631	1-216-864-11	SHORT CHIP 0	
Q8603	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR		R634	1-216-864-11	SHORT CHIP 0	
Q8604	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR		R635	1-216-864-11	SHORT CHIP 0	
Q8605	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR		R639	1-216-809-11	METAL CHIP 100	5% 1/10W
Q8606	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR		R640	1-216-801-11	METAL CHIP 22	5% 1/10W
Q8607	8-729-905-35	TRANSISTOR 2SC4081T106R		R642	1-216-864-11	SHORT CHIP 0	
Q8608	8-729-905-35	TRANSISTOR 2SC4081T106R		R643	1-216-864-11	SHORT CHIP 0	
Q8609	8-729-905-35	TRANSISTOR 2SC4081T106R		R645	1-216-864-11	SHORT CHIP 0	
				R647	1-218-837-11	METAL CHIP 390	5% 1/10W
				R648	1-216-821-11	METAL CHIP 1K	5% 1/10W
				R651	1-216-864-11	SHORT CHIP 0	
				R653	1-216-809-11	METAL CHIP 100	5% 1/10W
				R654	1-218-831-11	METAL CHIP 220	5% 1/10W
				R657	1-216-801-11	METAL CHIP 22	5% 1/10W

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R660	1-216-809-11	METAL CHIP	100 5% 1/10W	R863	1-216-809-11	METAL CHIP	100 5% 1/10W
R661	1-216-809-11	METAL CHIP	100 5% 1/10W	R864	1-216-809-11	METAL CHIP	100 5% 1/10W
R662	1-216-864-11	SHORT CHIP	0	R865	1-216-809-11	METAL CHIP	100 5% 1/10W
R663	1-216-833-11	METAL CHIP	10K 5% 1/10W	R866	1-216-809-11	METAL CHIP	100 5% 1/10W
R664	1-216-801-11	METAL CHIP	22 5% 1/10W	R867	1-216-809-11	METAL CHIP	100 5% 1/10W
R665	1-216-814-11	METAL CHIP	270 5% 1/10W	R868	1-216-809-11	METAL CHIP	100 5% 1/10W
R666	1-218-842-11	METAL CHIP	620 0.5% 1/10W	R869	1-216-809-11	METAL CHIP	100 5% 1/10W
R667	1-218-859-11	METAL CHIP	3.3K 0.5% 1/10W	R870	1-216-809-11	METAL CHIP	100 5% 1/10W
R668	1-216-801-11	RMETAL CHIP	22 5% 1/10W	R871	1-216-809-11	METAL CHIP	100 5% 1/10W
R687	1-216-864-11	SHORT CHIP	0	R872	1-216-809-11	METAL CHIP	100 5% 1/10W
R689	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	R873	1-216-809-11	METAL CHIP	100 5% 1/10W
R701	1-216-864-11	SHORT CHIP	0	R874	1-216-809-11	METAL CHIP	100 5% 1/10W
R702	1-216-864-11	SHORT CHIP	0	R875	1-216-809-11	METAL CHIP	100 5% 1/10W
R704	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	R876	1-216-809-11	METAL CHIP	100 5% 1/10W
R706	1-216-809-11	METAL CHIP	100 5% 1/10W	R877	1-216-809-11	METAL CHIP	100 5% 1/10W
R711	1-216-864-11	SHORT CHIP	0	R878	1-216-809-11	METAL CHIP	100 5% 1/10W
R712	1-216-833-11	METAL CHIP	10K 5% 1/10W	R879	1-216-809-11	METAL CHIP	100 5% 1/10W
R713	1-216-864-11	SHORT CHIP	0	R880	1-216-809-11	METAL CHIP	100 5% 1/10W
R714	1-216-809-11	METAL CHIP	100 5% 1/10W	R881	1-216-809-11	METAL CHIP	100 5% 1/10W
R715	1-216-827-11	METAL CHIP	3.3K 5% 1/10W	R882	1-216-809-11	METAL CHIP	100 5% 1/10W
R716	1-216-864-11	SHORT CHIP	0	R883	1-216-809-11	METAL CHIP	100 5% 1/10W
R719	1-216-864-11	SHORT CHIP	0	R884	1-216-809-11	METAL CHIP	100 5% 1/10W
R720	1-216-864-11	SHORT CHIP	0	R885	1-216-809-11	METAL CHIP	100 5% 1/10W
R722	1-216-809-11	METAL CHIP	100 5% 1/10W	R886	1-216-809-11	METAL CHIP	100 5% 1/10W
R723	1-216-821-11	METAL CHIP	1K 5% 1/10W	R887	1-216-809-11	METAL CHIP	100 5% 1/10W
R801	1-216-801-11	METAL CHIP	22 5% 1/10W	R888	1-216-809-11	METAL CHIP	100 5% 1/10W
R802	1-216-801-11	METAL CHIP	22 5% 1/10W	R889	1-216-805-11	METAL CHIP	47 5% 1/10W
R804	1-216-833-11	METAL CHIP	10K 5% 1/10W	R890	1-216-809-11	METAL CHIP	100 5% 1/10W
R806	1-218-839-11	METAL CHIP	5.6K 0.5% 1/10W	R891	1-216-809-11	METAL CHIP	100 5% 1/10W
R807	1-218-843-11	METAL CHIP	680 0.5% 1/10W	R892	1-216-809-11	METAL CHIP	100 5% 1/10W
R809	1-216-809-11	METAL CHIP	100 5% 1/10W	R893	1-216-809-11	METAL CHIP	100 5% 1/10W
R810	1-216-809-11	METAL CHIP	100 5% 1/10W	R894	1-216-809-11	METAL CHIP	100 5% 1/10W
R811	1-216-809-11	METAL CHIP	100 5% 1/10W	R895	1-216-809-11	METAL CHIP	100 5% 1/10W
R813	1-216-864-11	SHORT CHIP	0	R896	1-216-809-11	METAL CHIP	100 5% 1/10W
R814	1-216-833-11	METAL CHIP	10K 5% 1/10W	R897	1-216-809-11	METAL CHIP	100 5% 1/10W
R815	1-216-833-11	METAL CHIP	10K 5% 1/10W	R898	1-216-809-11	METAL CHIP	100 5% 1/10W
R816	1-216-833-11	METAL CHIP	10K 5% 1/10W	R899	1-216-833-11	METAL CHIP	10K 5% 1/10W
R817	1-216-805-11	METAL CHIP	47 5% 1/10W	R901	1-218-859-11	METAL CHIP	3.3K 0.5% 1/10W
R818	1-216-809-11	METAL CHIP	100 5% 1/10W	R902	1-218-855-11	METAL CHIP	2.2K 0.5% 1/10W
R819	1-216-809-11	METAL CHIP	100 5% 1/10W	R903	1-218-859-11	METAL CHIP	3.3K 0.5% 1/10W
R823	1-216-833-11	METAL CHIP	10K 5% 1/10W	R904	1-218-823-11	METAL CHIP	100 0.5% 1/10W
R824	1-216-833-11	METAL CHIP	10K 5% 1/10W	R905	1-218-823-11	METAL CHIP	100 0.5% 1/10W
R844	1-216-809-11	METAL CHIP	100 5% 1/10W	R906	1-218-823-11	METAL CHIP	100 0.5% 1/10W
R845	1-216-809-11	METAL CHIP	100 5% 1/10W	R907	1-218-847-11	METAL CHIP	1K 0.5% 1/10W
R846	1-216-809-11	METAL CHIP	100 5% 1/10W	R908	1-218-847-11	METAL CHIP	1K 0.5% 1/10W
R847	1-216-809-11	METAL CHIP	100 5% 1/10W	R909	1-218-847-11	METAL CHIP	1K 0.5% 1/10W
R848	1-216-809-11	METAL CHIP	100 5% 1/10W	R910	1-216-833-11	METAL CHIP	10K 5% 1/10W
R849	1-216-809-11	METAL CHIP	100 5% 1/10W	R911	1-216-833-11	METAL CHIP	10K 5% 1/10W
R850	1-216-809-11	METAL CHIP	100 5% 1/10W	R914	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R851	1-216-809-11	METAL CHIP	100 5% 1/10W	R916	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R852	1-216-809-11	METAL CHIP	100 5% 1/10W	R917	1-216-809-11	METAL CHIP	100 5% 1/10W
R853	1-216-809-11	METAL CHIP	100 5% 1/10W	R918	1-216-809-11	METAL CHIP	100 5% 1/10W
R854	1-216-809-11	METAL CHIP	100 5% 1/10W	R919	1-216-809-11	METAL CHIP	100 5% 1/10W
R855	1-216-809-11	METAL CHIP	100 5% 1/10W	R920	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R856	1-216-809-11	METAL CHIP	100 5% 1/10W	R921	1-216-821-11	METAL CHIP	1K 5% 1/10W
R857	1-216-809-11	METAL CHIP	100 5% 1/10W	R922	1-216-821-11	METAL CHIP	1K 5% 1/10W
R858	1-216-809-11	METAL CHIP	100 5% 1/10W	R923	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R859	1-216-809-11	METAL CHIP	100 5% 1/10W	R924	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R860	1-216-809-11	METAL CHIP	100 5% 1/10W	R925	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R861	1-216-809-11	METAL CHIP	100 5% 1/10W	R926	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R862	1-216-809-11	METAL CHIP	100 5% 1/10W	R929	1-216-809-11	METAL CHIP	0100 5% 1/10W



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R930	1-216-809-11	METAL CHIP 100	5% 1/10W	R6024	1-216-829-11	METAL CHIP 4.7K	5% 1/10W
R931	1-218-839-11	METAL CHIP 470	5% 1/10W	R6026	1-216-833-11	METAL CHIP 10K	5% 1/10W
R933	1-216-809-11	METAL CHIP 100	5% 1/10W	R6027	1-216-833-11	METAL CHIP 10K	5% 1/10W
R934	1-216-809-11	METAL CHIP 100	5% 1/10W	R8603	1-218-843-11	METAL CHIP 680	5% 1/10W
R935	1-216-833-11	METAL CHIP 10K	5% 1/10W	R8604	1-218-843-11	METAL CHIP 680	5% 1/10W
R936	1-216-833-11	METAL CHIP 10K	5% 1/10W	R8605	1-218-843-11	METAL CHIP 680	5% 1/10W
R937	1-216-805-11	METAL CHIP 47	5% 1/10W	R8606	1-216-809-11	METAL CHIP 100	5% 1/10W
R938	1-216-809-11	METAL CHIP 100	5% 1/10W	R8607	1-216-809-11	METAL CHIP 100	5% 1/10W
R940	1-216-864-11	SHORT CHIP 0		R8608	1-216-809-11	METAL CHIP 100	5% 1/10W
R941	1-216-864-11	SHORT CHIP 0		R8609	1-216-821-11	METAL CHIP 1K	5% 1/10W
R942	1-218-835-11	METAL CHIP 330	5% 1/10W	R8610	1-216-821-11	METAL CHIP 1K	5% 1/10W
R943	1-218-831-11	METAL CHIP 220	5% 1/10W	R8611	1-216-821-11	METAL CHIP 1K	5% 1/10W
R946	1-216-809-11	METAL CHIP 100	5% 1/10W	R8612	1-216-821-11	METAL CHIP 1K	5% 1/10W
R948	1-216-864-11	SHORT CHIP 0		R8613	1-216-821-11	METAL CHIP 1K	5% 1/10W
R949	1-218-851-11	METAL CHIP 1.5K	0.5% 1/10W	R8614	1-216-821-11	METAL CHIP 1K	5% 1/10W
R950	1-216-809-11	METAL CHIP 100	5% 1/10W	R8618	1-218-834-11	METAL CHIP 300	0.5% 1/10W
R951	1-216-825-11	METAL CHIP 2.2K	5% 1/10W	R8619	1-218-834-11	METAL CHIP 300	0.5% 1/10W
R952	1-216-825-11	METAL CHIP 2.2K	5% 1/10W	R8620	1-218-830-11	METAL CHIP 200	0.5% 1/10W
R954	1-216-821-11	METAL CHIP 1K	5% 1/10W	R8622	1-218-834-11	METAL CHIP 300	0.5% 1/10W
R955	1-216-821-11	METAL CHIP 1K	5% 1/10W	R8623	1-218-834-11	METAL CHIP 300	0.5% 1/10W
R956	1-216-809-11	METAL CHIP 100	5% 1/10W	R8624	1-218-830-11	METAL CHIP 200	0.5% 1/10W
R957	1-216-809-11	METAL CHIP 100	5% 1/10W	R8626	1-216-809-11	METAL CHIP 100	5% 1/10W
R958	1-218-839-11	METAL CHIP 470	5% 1/10W	R8627	1-216-809-11	METAL CHIP 100	5% 1/10W
R959	1-218-839-11	METAL CHIP 470	5% 1/10W	R8628	1-216-809-11	METAL CHIP 100	5% 1/10W
R960	1-218-839-11	METAL CHIP 470	5% 1/10W	R8629	1-216-825-11	METAL CHIP 2.2K	5% 1/10W
R961	1-216-801-11	METAL CHIP 22	5% 1/10W	R8630	1-216-825-11	METAL CHIP 2.2K	5% 1/10W
R962	1-216-801-11	METAL CHIP 22	5% 1/10W	R8631	1-216-825-11	METAL CHIP 2.2K	5% 1/10W
R963	1-216-801-11	METAL CHIP 22	5% 1/10W	R8636	1-216-821-11	METAL CHIP 1K	5% 1/10W
R965	1-216-809-11	METAL CHIP 100	5% 1/10W	R8637	1-216-821-11	METAL CHIP 1K	5% 1/10W
R966	1-216-845-11	METAL CHIP 100K	5% 1/10W	R8638	1-216-821-11	METAL CHIP 1K	5% 1/10W
R967	1-216-845-11	METAL CHIP 100K	5% 1/10W	R8639	1-216-827-11	METAL CHIP 3.3K	5% 1/10W
R968	1-216-833-11	METAL CHIP 10K	5% 1/10W	R8641	1-216-821-11	METAL CHIP 1K	5% 1/10W
R969	1-216-833-11	METAL CHIP 10K	5% 1/10W	R8642	1-218-858-11	METAL CHIP 3K	0.5% 1/10W
R971	1-216-821-11	METAL CHIP 1K	5% 1/10W	R8643	1-216-821-11	METAL CHIP 1K	5% 1/10W
R972	1-216-864-11	SHORT CHIP 0		R8645	1-216-821-11	METAL CHIP 1K	5% 1/10W
R974	1-216-864-11	SHORT CHIP 0		R8646	1-216-821-11	METAL CHIP 1K	5% 1/10W
R975	1-218-849-11	METAL CHIP 1.2K	0.5% 1/10W	R8647	1-216-833-11	METAL CHIP 10K	5% 1/10W
R976	1-216-864-11	SHORT CHIP 0		R8648	1-218-865-11	METAL CHIP 5.6K	5% 1/10W
R977	1-216-809-11	METAL CHIP 100	5% 1/10W	R8650	1-216-833-11	METAL CHIP 10K	5% 1/10W
R978	1-216-809-11	METAL CHIP 100	5% 1/10W	R8651	1-216-801-11	METAL CHIP 22	5% 1/10W
R979	1-216-864-11	SHORT CHIP 0		R8652	1-216-833-11	METAL CHIP 10K	5% 1/10W
R980	1-216-864-11	SHORT CHIP 0		R8653	1-216-833-11	METAL CHIP 10K	5% 1/10W
R984	1-216-827-11	METAL CHIP 3.3K	5% 1/10W	R8660	1-216-809-11	METAL CHIP 100	5% 1/10W
R985	1-218-911-11	METAL CHIP 470K	5% 1/10W	R8661	1-216-809-11	METAL CHIP 100	5% 1/10W
R986	1-216-827-11	METAL CHIP 3.3K	5% 1/10W	R8662	1-216-809-11	METAL CHIP 100	5% 1/10W
R987	1-216-821-11	METAL CHIP 1K	5% 1/10W	<NETWORK>			
R988	1-218-831-11	METAL CHIP 220	5% 1/10W	RB001	1-233-576-11	RES, CHIP NETWORK	100
R989	1-216-837-11	METAL CHIP 22K	5% 1/10W	RB002	1-233-576-11	RES, CHIP NETWORK	100
R990	1-218-911-11	METAL CHIP 470K	5% 1/10W	RB003	1-233-576-11	RES, CHIP NETWORK	100
R991	1-216-864-11	SHORT CHIP 0		RB004	1-233-576-11	RES, CHIP NETWORK	100
R993	1-218-887-11	METAL CHIP 47K	5% 1/10W	RB005	1-233-576-11	RES, CHIP NETWORK	100
R998	1-216-829-11	METAL CHIP 4.7K	5% 1/10W	RB006	1-233-576-11	RES, CHIP NETWORK	100
R5503	1-216-809-11	METAL CHIP 100	5% 1/10W	RB007	1-233-813-11	RES, NETWORK	150
R5504	1-216-809-11	METAL CHIP 100	5% 1/10W	RB008	1-233-813-11	RES, NETWORK	150
R5505	1-216-809-11	METAL CHIP 100	5% 1/10W	RB009	1-233-813-11	RES, NETWORK	150
R5508	1-216-864-11	SHORT CHIP 0		RB010	1-233-813-11	RES, NETWORK	150
R6001	1-216-864-11	SHORT CHIP 0		RB011	1-233-813-11	RES, NETWORK	150
R6003	1-216-833-11	METAL CHIP 10K	5% 1/10W	RB012	1-233-813-11	RES, NETWORK	150
R6004	1-216-864-11	SHORT CHIP 0		RB019	1-233-576-11	RES, CHIP NETWORK	100
R6005	1-216-864-11	SHORT CHIP 0		RB020	1-233-576-11	RES, CHIP NETWORK	100
R6010	1-216-864-11	SHORT CHIP 0					

B4 **A1**

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
RB021	1-233-576-11	RES, CHIP NETWORK	100	C8236	1-162-966-11	CERAMIC CHIP 0.0022UF 10.00% 50V	
RB022	1-233-576-11	RES, CHIP NETWORK	100	C8237	1-115-467-11	CERAMIC CHIP 0.22UF 10.00% 10V	
RB023	1-233-576-11	RES, CHIP NETWORK	100	C8238	1-115-467-11	CERAMIC CHIP 0.22UF 10.00% 10V	
RB024	1-233-576-11	RES, CHIP NETWORK	100	C8239	1-107-826-11	CERAMIC CHIP 0.1UF 10.00% 16V	
RB025	1-233-576-11	RES, CHIP NETWORK	100	C8276	1-165-176-11	CERAMIC CHIP 0.047UF 10.00% 16V	
RB026	1-233-576-11	RES, CHIP NETWORK	100	C8277	1-165-176-11	CERAMIC CHIP 0.047UF 10.00% 16V	
RB027	1-233-576-11	RES, CHIP NETWORK	100	C8279	1-162-970-11	CERAMIC CHIP 0.01UF 10.00% 25V	
RB701	1-233-576-11	RES, CHIP NETWORK	100	C8280	1-162-970-11	CERAMIC CHIP 0.01UF 10.00% 25V	
RB702	1-233-576-11	RES, CHIP NETWORK	100	C8281	1-115-467-11	CERAMIC CHIP 0.22UF 10.00% 10V	
RB703	1-233-576-11	RES, CHIP NETWORK	100	C8282	1-115-467-11	CERAMIC CHIP 0.22UF 10.00% 10V	
RB704	1-233-576-11	RES, CHIP NETWORK	100	C8283	1-162-968-11	CERAMIC CHIP 0.0047UF 10.00% 50V	
RB705	1-233-576-11	RES, CHIP NETWORK	100	C8284	1-162-968-11	CERAMIC CHIP 0.0047UF 10.00% 50V	
RB706	1-233-576-11	RES, CHIP NETWORK	100	C8285	1-162-968-11	CERAMIC CHIP 0.0047UF 10.00% 50V	
RB707	1-233-576-11	RES, CHIP NETWORK	100	C8286	1-162-967-11	CERAMIC CHIP 0.0033UF 10.00% 50V	
RB708	1-233-576-11	RES, CHIP NETWORK	100	C8287	1-162-967-11	CERAMIC CHIP 0.0033UF 10.00% 50V	
RB709	1-233-576-11	RES, CHIP NETWORK	100	C8288	1-164-677-11	CERAMIC CHIP 0.033UF 10.00% 16V	
RB710	1-233-576-11	RES, CHIP NETWORK	100	C8289	1-164-677-11	CERAMIC CHIP 0.033UF 10.00% 16V	
RB711	1-233-576-11	RES, CHIP NETWORK	100	C8291	1-126-935-11	ELECT 470UF 20.00% 16V	
RB8601	1-233-576-11	RES, CHIP NETWORK	100	C8292	1-107-826-11	CERAMIC CHIP 0.1UF 10.00% 16V	
RB8602	1-233-576-11	RES, CHIP NETWORK	100	C8293	1-162-969-11	CERAMIC CHIP 0.0068UF 10.00% 25V	
RB8603	1-233-576-11	RES, CHIP NETWORK	100	C8295	1-126-935-11	ELECT 470UF 20.00% 16V	
RB8604	1-233-576-11	RES, CHIP NETWORK	100	C8296	1-107-826-11	CERAMIC CHIP 0.1UF 10.00% 16V	
RB8605	1-233-576-11	RES, CHIP NETWORK	100			<CONNECTOR>	
RB8606	1-233-576-11	RES, CHIP NETWORK	100	CN8102	1-793-496-11	CONNECTOR, BOARD TO BOARD 20P	
		<CRYSTAL>				<DIODE>	
X802	1-781-887-21	VIBRATOR, CRYSTAL (18.843956MHz)		D8217	8-719-081-97	DIODE MMDL914T1	
X901	1-781-945-21	VIBRATOR, CERAMIC		D8218	8-719-081-97	DIODE MMDL914T1	
*****						<IC>	
	*A-1401-998-A	A1 BOARD, MOUNT		IC8200	8-759-100-96	IC NJM4558M-TE2	
		*****		IC8205	8-759-711-10	IC NJU4066BM-T2	
		<CAPACITOR>		IC8207	6-702-145-01	IC NJW1139GK1-TE2	
C8200	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V			<COIL>	
C8202	1-126-935-11	ELECT 470UF	20.00% 16V	L8201	1-414-857-11	INDUCTOR 100UH	
C8203	1-126-947-11	ELECT 47UF	20.00% 16V			<TRANSISTOR>	
C8204	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	Q8101	8-729-907-00	TRANSISTOR DTC114EUA-T106	
C8205	1-107-698-11	ELECT 10UF	20.00% 25V	Q8102	8-729-907-00	TRANSISTOR DTC114EUA-T106	
C8207	1-107-698-11	ELECT 10UF	20.00% 25V	Q8103	8-729-907-00	TRANSISTOR DTC114EUA-T106	
C8208	1-117-720-11	CERAMIC CHIP 4.7UF	10V			<RESISTOR>	
C8209	1-117-720-11	CERAMIC CHIP 4.7UF	10V	R8200	1-218-704-11	METAL CHIP 3.3K 0.5% 1/10W	
C8210	1-117-720-11	CERAMIC CHIP 4.7UF	10V	R8201	1-218-700-11	METAL CHIP 2.2K 0.5% 1/10W	
C8211	1-117-720-11	CERAMIC CHIP 4.7UF	10V	R8202	1-218-704-11	METAL CHIP 3.3K 0.5% 1/10W	
C8216	1-126-935-11	ELECT 470UF	20.00% 16V	R8203	1-216-821-11	METAL CHIP 1K 5% 1/10W	
C8217	1-104-665-11	ELECT 100UF	20.00% 25V	R8204	1-216-821-11	METAL CHIP 1K 5% 1/10W	
C8222	1-128-934-91	CERAMIC CHIP 0.33UF	20% 10V	R8205	1-125-838-11	CERAMIC CHIP2.2UF 10% 6.3V	
C8223	1-126-963-11	ELECT 4.7UF	20.00% 50V	R8206	1-125-838-11	CERAMIC CHIP2.2UF 10% 6.3V	
C8224	1-126-963-11	ELECT 4.7UF	20.00% 50V	R8207	1-218-700-11	METAL CHIP 2.2K 0.5% 1/10W	
C8225	1-126-963-11	ELECT 4.7UF	20.00% 50V	R8217	1-216-835-11	METAL CHIP 15K 5% 1/10W	
C8226	1-126-963-11	ELECT 4.7UF	20.00% 50V	R8218	1-216-835-11	METAL CHIP 15K 5% 1/10W	
C8227	1-126-963-11	ELECT 4.7UF	20.00% 50V				
C8228	1-126-963-11	ELECT 4.7UF	20.00% 50V				
C8229	1-126-963-11	ELECT 4.7UF	20.00% 50V				
C8230	1-126-963-11	ELECT 4.7UF	20.00% 50V				
C8232	1-117-720-11	CERAMIC CHIP 4.7UF	10V				
C8233	1-117-720-11	CERAMIC CHIP 4.7UF	10V				
C8235	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V				



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R8219	1-216-837-11	METAL CHIP 22K	5% 1/10W	C2048	1-126-964-11	ELECT 10UF	20.00% 50V
R8219	1-216-837-11	METAL CHIP 22K	5% 1/10W	C2049	1-165-908-91	CERAMIC CHIP 1UF	10% 10
R8220	1-216-836-11	METAL CHIP 18K	5% 1/10W	C2050	1-162-917-11	CERAMIC CHIP 15PF	5.00% 50V
R8222	1-216-836-11	METAL CHIP 18K	5% 1/10W	C2051	1-126-964-11	ELECT 10UF	20.00% 50V
R8269	1-216-809-11	METAL CHIP 100	5% 1/10W	C2053	1-125-837-91	CERAMIC CHIP 1UF	10% 6.3V
R8270	1-216-809-11	METAL CHIP 100	5% 1/10W	C2055	1-126-947-11	ELECT 47UF	20.00% 16V
R8271	1-216-833-11	METAL CHIP 10K	5% 1/10W	C2056	1-162-917-11	CERAMIC CHIP 15PF	5.00% 50V
R8272	1-216-833-11	METAL CHIP 10K	5% 1/10W	C2058	1-162-974-11	CERAMIC CHIP 0.01UF	50V
R8273	1-216-833-11	METAL CHIP 10K	5% 1/10W	C2063	1-164-156-11	CERAMIC CHIP 0.1UF	25V
R8274	1-216-833-11	METAL CHIP 10K	5% 1/10W	C2064	1-162-974-11	CERAMIC CHIP 0.01UF	50V
R8275	1-216-833-11	METAL CHIP 10K	5% 1/10W	C2066	1-126-947-11	ELECT 47UF	20.00% 16V
R8276	1-216-833-11	METAL CHIP 10K	5% 1/10W	C2067	1-126-933-11	ELECT 100UF	20.00% 16V
R8277	1-216-837-11	METAL CHIP 22K	5% 1/10W	C2074	1-164-156-11	CERAMIC CHIP 0.1UF	25V
R8278	1-216-837-11	METAL CHIP 22K	5% 1/10W	C2075	1-164-156-11	CERAMIC CHIP 0.1UF	25V
R8279	1-216-837-11	METAL CHIP 22K	5% 1/10W	C2078	1-126-947-11	ELECT 47UF	20.00% 16V
*****				C2079	1-162-974-11	CERAMIC CHIP 0.01UF	50V
*A-1300-956-A J BOARD, COMPLETE				C2096	1-162-917-11	CERAMIC CHIP 15PF	5.00% 50V
*****				C2097	1-162-917-11	CERAMIC CHIP 15PF	5.00% 50V
<CAPACITOR>				C2100	1-162-974-11	CERAMIC CHIP 0.01UF	50V
C2001	1-162-974-11	CERAMIC CHIP 0.01UF	50V	C2101	1-162-974-11	CERAMIC CHIP 0.01UF	50V
C2002	1-162-974-11	CERAMIC CHIP 0.01UF	50V	C2102	1-162-974-11	CERAMIC CHIP 0.01UF	50V
C2003	1-162-974-11	CERAMIC CHIP 0.01UF	50V	C2103	1-162-974-11	CERAMIC CHIP 0.01UF	50V
C2004	1-162-974-11	CERAMIC CHIP 0.01UF	50V	C2104	1-162-974-11	CERAMIC CHIP 0.01UF	50V
C2005	1-164-392-11	CERAMIC CHIP 390PF	5.00% 50V	C2105	1-162-974-11	CERAMIC CHIP 0.01UF	50V
C2006	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C2300	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C2008	1-126-933-11	ELECT 100UF	20.00% 16V	C2301	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C2009	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C2302	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C2010	1-162-975-11	CERAMIC CHIP 24PF	5.00% 50V	C2303	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C2011	1-162-975-11	CERAMIC CHIP 24PF	5.00% 50V	C2304	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C2012	1-162-974-11	CERAMIC CHIP 0.01UF	50V	C2305	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C2013	1-126-947-11	ELECT 47UF	20.00% 16V	C2306	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C2014	1-162-974-11	CERAMIC CHIP 0.01UF	50V	C2307	1-126-933-11	ELECT 100UF	20.00% 16V
C2015	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C2308	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V
C2016	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C2309	1-126-947-11	ELECT 47UF	20.00% 16V
C2017	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C2310	1-126-947-11	ELECT 47UF	20.00% 16V
C2018	1-162-974-11	CERAMIC CHIP 0.01UF	50V	C2312	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C2019	1-125-837-91	CERAMIC CHIP 1UF	10% 6.3V	C2313	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C2020	1-162-974-11	CERAMIC CHIP 0.01UF	50V	C2314	1-162-963-11	CERAMIC CHIP 680PF	10.00% 50V
C2022	1-126-933-11	ELECT 100UF	20.00% 16V	C2315	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C2023	1-162-974-11	CERAMIC CHIP 0.01UF	50V	C2316	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C2029	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C2317	1-126-933-11	ELECT 100UF	20.00% 16V
C2031	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C2318	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C2032	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C2319	1-162-919-11	CERAMIC CHIP 22PF	5.00% 50V
C2033	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C2320	1-162-916-11	CERAMIC CHIP 12PF	5.00% 50V
C2034	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C2321	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C2035	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C2322	1-162-919-11	CERAMIC CHIP 22PF	5.00% 50V
C2036	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C2323	1-162-916-11	CERAMIC CHIP 12PF	5.00% 50V
C2037	1-126-947-11	ELECT 47UF	20.00% 16V	C2324	1-126-947-11	ELECT 47UF	20.00% 16V
C2038	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C2326	1-126-947-11	ELECT 47UF	20.00% 16V
C2039	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C2327	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C2040	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C8300	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V
C2041	1-126-933-11	ELECT 100UF	20.00% 16V	C8301	1-164-315-11	CERAMIC CHIP 470PF	5.00% 50V
C2042	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C8302	1-164-315-11	CERAMIC CHIP 470PF	5.00% 50V
C2043	1-162-915-11	CERAMIC CHIP 10PF	0.50PF 50V	C8303	1-164-315-11	CERAMIC CHIP 470PF	5.00% 50V
C2044	1-126-933-11	ELECT 100UF	20.00% 16V	C8304	1-164-315-11	CERAMIC CHIP 470PF	5.00% 50V
C2045	1-162-915-11	CERAMIC CHIP 10PF	0.50PF 50V	C8305	1-164-315-11	CERAMIC CHIP 470PF	5.00% 50V
C2046	1-162-974-11	CERAMIC CHIP 0.01UF	50V	C8306	1-164-315-11	CERAMIC CHIP 470PF	5.00% 50V
C2047	1-125-837-91	CERAMIC CHIP 1UF	10% 6.3V	C8307	1-164-315-11	CERAMIC CHIP 470PF	5.00% 50V
				C8308	1-164-315-11	CERAMIC CHIP 470PF	5.00% 50V
				C8309	1-164-315-11	CERAMIC CHIP 470PF	5.00% 50V
				C8310	1-164-315-11	CERAMIC CHIP 470PF	5.00% 50V



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C8311	1-115-156-11	CERAMIC CHIP 1UF	10V	C8380	1-115-156-11	CERAMIC CHIP 1UF	10V
C8312	1-115-156-11	CERAMIC CHIP 1UF	10V	C8381	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C8313	1-115-156-11	CERAMIC CHIP 1UF	10V	C8382	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C8314	1-115-156-11	CERAMIC CHIP 1UF	10V	C8386	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C8315	1-164-315-11	CERAMIC CHIP 470PF	5.00% 50V	C8390	1-126-963-11	ELECT 4.7UF	20.00% 50V
C8316	1-164-315-11	CERAMIC CHIP 470PF	5.00% 50V	C8391	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C8317	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C8392	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C8318	1-115-156-11	CERAMIC CHIP 1UF	10V	C8393	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C8319	1-115-156-11	CERAMIC CHIP 1UF	10V	C8396	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V
C8320	1-117-720-11	CERAMIC CHIP 4.7UF	10V	C8399	1-126-961-11	ELECT 2.2UF	20.00% 50V
C8321	1-117-720-11	CERAMIC CHIP 4.7UF	10V	C8401	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C8322	1-115-156-11	CERAMIC CHIP 1UF	10V	C8405	1-115-156-11	CERAMIC CHIP 1UF	10V
C8323	1-115-156-11	CERAMIC CHIP 1UF	10V	C8406	1-126-947-11	ELECT 47UF	20.00% 16V
C8324	1-117-720-11	CERAMIC CHIP 4.7UF	10V	C8407	1-126-947-11	ELECT 47UF	20.00% 16V
C8325	1-126-935-11	ELECT 470UF	20.00% 16V	C8408	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C8326	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V	C8409	1-164-227-11	CERAMIC CHIP 0.022UF	10.00% 25V
C8327	1-115-156-11	CERAMIC CHIP 1UF	10V	C8410	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C8328	1-115-156-11	CERAMIC CHIP 1UF	10V	C8412	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C8330	1-115-156-11	CERAMIC CHIP 1UF	10V	C8414	1-126-947-11	ELECT 47UF	20.00% 16V
C8331	1-115-156-11	CERAMIC CHIP 1UF	10V	C8415	1-115-156-11	CERAMIC CHIP 1UF	10V
C8333	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V	C8416	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C8336	1-126-947-11	ELECT 47UF	20.00% 16V	C8417	1-162-915-11	CERAMIC CHIP 10PF	0.50PF 50V
C8337	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C8418	1-126-964-11	ELECT 10UF	20.00% 50V
C8338	1-115-156-11	CERAMIC CHIP 1UF	10V	C8419	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C8339	1-115-156-11	CERAMIC CHIP 1UF	10V	C8420	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C8340	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V	C8421	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C8341	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V	C8423	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C8342	1-126-964-11	ELECT 10UF	20.00% 50V	C8424	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C8343	1-126-947-11	ELECT 47UF	20.00% 16V	C8425	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C8344	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	C8437	1-126-963-11	ELECT 4.7UF	20.00% 50V
C8346	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C8438	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C8347	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C8439	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C8348	1-115-156-11	CERAMIC CHIP 1UF	10V	C8440	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C8349	1-117-720-11	CERAMIC CHIP 4.7UF	10V	C8441	1-115-156-11	CERAMIC CHIP 1UF	10V
C8350	1-115-156-11	CERAMIC CHIP 1UF	10V	C8445	1-115-156-11	CERAMIC CHIP 1UF	10V
C8352	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V	C8446	1-126-947-11	ELECT 47UF	20.00% 16V
C8353	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V	C8447	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C8354	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V	C8448	1-164-690-91	CERAMIC CHIP 0.0022UF	5.00% 50V
C8355	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	C8450	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V
C8356	1-115-156-11	CERAMIC CHIP 1UF	10V	C8451	1-164-505-11	CERAMIC CHIP 2.2UF	16V
C8357	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	C8452	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C8358	1-115-156-11	CERAMIC CHIP 1UF	10V	C8453	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C8359	1-164-227-11	CERAMIC CHIP 0.022UF	10.00% 25V	C8454	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C8360	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	C8455	1-126-947-11	ELECT 47UF	20.00% 16V
C8361	1-126-961-11	ELECT 2.2UF	20.00% 50V	C8456	1-126-947-11	ELECT 47UF	20.00% 16V
C8362	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C8457	1-126-947-11	ELECT 47UF	20.00% 16V
C8363	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C8459	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C8364	1-126-947-11	ELECT 47UF	20.00% 16V	C8488	1-115-156-11	CERAMIC CHIP 1UF	10V
C8366	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	C8489	1-115-156-11	CERAMIC CHIP 1UF	10V
C8367	1-126-947-11	ELECT 47UF	20.00% 16V	C8491	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C8368	1-126-947-11	ELECT 47UF	20.00% 16V	C8494	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C8369	1-126-947-11	ELECT 47UF	20.00% 16V	C8497	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C8370	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C8499	1-126-947-11	ELECT 47UF	20.00% 16V
C8371	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C8500	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C8372	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C8520	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C8373	1-162-915-11	CERAMIC CHIP 10PF	0.50PF 50V	C8521	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C8374	1-115-156-11	CERAMIC CHIP 1UF	10V	C8701	1-164-315-11	CERAMIC CHIP 470PF	5.00% 50V
C8375	1-126-964-11	ELECT 10UF	20.00% 50V	C8702	1-164-315-11	CERAMIC CHIP 470PF	5.00% 50V
C8376	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C8703	1-115-156-11	CERAMIC CHIP 1UF	10V
C8377	1-115-156-11	CERAMIC CHIP 1UF	10V	C8704	1-115-156-11	CERAMIC CHIP 1UF	10V
C8378	1-115-156-11	CERAMIC CHIP 1UF	10V	C8801	1-126-947-11	ELECT 47UF	20.00% 16V



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C8802	1-126-947-11	ELECT	47UF 20.00% 16V				
C8803	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V				
C8804	1-126-947-11	ELECT	47UF 20.00% 16V				
C8806	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V				
C8808	1-126-947-11	ELECT	47UF 20.00% 16V				
C8812	1-164-156-11	CERAMIC CHIP	0.1UF 25V				
C8814	1-125-891-11	CERAMIC CHIP	0.47UF 10.00% 10V				
C8815	1-125-891-11	CERAMIC CHIP	0.47UF 10.00% 10V				
C8816	1-126-964-11	ELECT	10UF 20.00% 50V				
C8817	1-126-964-11	ELECT	10UF 20.00% 50V				
C8818	1-125-891-11	CERAMIC CHIP	0.47UF 10.00% 10V				
C8819	1-125-891-11	CERAMIC CHIP	0.47UF 10.00% 10V				
C8820	1-126-947-11	ELECT	47UF 20.00% 16V				
C8821	1-164-156-11	CERAMIC CHIP	0.1UF 25V				
C8822	1-126-947-11	ELECT	47UF 20.00% 16V				
C8823	1-164-156-11	CERAMIC CHIP	0.1UF 25V				
C8826	1-164-156-11	CERAMIC CHIP	0.1UF 25V				
C8827	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V				
C8828	1-125-891-11	CERAMIC CHIP	0.47UF 10.00% 10V				
C8829	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V				
C8870	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V				
C8871	1-126-947-11	ELECT	47UF 20.00% 16V				
C8872	1-126-947-11	ELECT	47UF 20.00% 16V				
C8873	1-126-947-11	ELECT	47UF 20.00% 16V				
C8874	1-126-947-11	ELECT	47UF 20.00% 16V				
C8875	1-126-947-11	ELECT	47UF 20.00% 16V				
C8876	1-126-947-11	ELECT	47UF 20.00% 16V				
C8877	1-126-947-11	ELECT	47UF 20.00% 16V				
C8882	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V				
C8885	1-125-837-91	CERAMIC CHIP	1UF 10% 6.3V				
C8886	1-164-156-11	CERAMIC CHIP	0.1UF 25V				
C8887	1-164-156-11	CERAMIC CHIP	0.1UF 25V				
C8888	1-164-156-11	CERAMIC CHIP	0.1UF 25V				
C8889	1-164-156-11	CERAMIC CHIP	0.1UF 25V				
C8890	1-164-156-11	CERAMIC CHIP	0.1UF 25V				
C8891	1-164-156-11	CERAMIC CHIP	0.1UF 25V				
C8892	1-125-891-11	CERAMIC CHIP	0.47UF 10.00% 10V				
C8893	1-126-964-11	ELECT	10UF 20.00% 50V				
C8894	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V				
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CN8301	*1-564-524-11	PLUG, CONNECTOR 9P					
CN8302	1-695-915-11	TAB (CONTACT)					
CN8304	*1-785-303-11	CONNECTOR, DIN (PLUG) 64P					
<DIODE>							
D8301	8-719-158-35	DIODE RD9.1SB-T1					
D8302	8-719-158-35	DIODE RD9.1SB-T1					
D8303	8-719-158-35	DIODE RD9.1SB-T1					
D8304	8-719-158-35	DIODE RD9.1SB-T1					
D8305	8-719-158-35	DIODE RD9.1SB-T1					
D8306	8-719-158-35	DIODE RD9.1SB-T1					
D8307	8-719-158-35	DIODE RD9.1SB-T1					
D8308	8-719-158-35	DIODE RD9.1SB-T1					
D8309	8-719-158-35	DIODE RD9.1SB-T1					
D8310	8-719-158-35	DIODE RD9.1SB-T1					
D8311	8-719-158-35	DIODE RD9.1SB-T1					
D8312	8-719-158-35	DIODE RD9.1SB-T1					
D8313	8-719-158-35	DIODE RD9.1SB-T1					
D8314	8-719-158-35	DIODE RD9.1SB-T1					
D8318	8-719-158-35	DIODE RD9.1SB-T1					
D8319	8-719-158-35	DIODE RD9.1SB-T1					
D8320	8-719-158-35	DIODE RD9.1SB-T1					
D8321	8-719-158-35	DIODE RD9.1SB-T1					
D8322	8-719-158-35	DIODE RD9.1SB-T1					
D8323	8-719-158-35	DIODE RD9.1SB-T1					
D8324	8-719-158-35	DIODE RD9.1SB-T1					
D8325	8-719-158-35	DIODE RD9.1SB-T1					
D8326	8-719-158-35	DIODE RD9.1SB-T1					
D8331	8-719-081-97	DIODE MMDL914T1					
D8332	8-719-036-94	DIODE RD5.6SB-T1					
D8701	8-719-158-35	DIODE RD9.1SB-T1					
D8702	8-719-158-35	DIODE RD9.1SB-T1					
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FB2001	1-414-234-22	FERRITE	0UH				
FB2002	1-414-229-11	FERRITE	0UH				
FB2003	1-414-229-11	FERRITE	0UH				
FB2004	1-216-295-91	SHORT CHIP	0				
FB2006	1-414-228-11	FERRITE	0UH				
FB2007	1-414-228-11	FERRITE	0UH				
FB2008	1-414-234-22	FERRITE	0UH				
FB2009	1-414-228-11	FERRITE	0UH				
FB2010	1-414-228-11	FERRITE	0UH				
FB2011	1-414-228-11	FERRITE	0UH				
FB2012	1-414-229-11	FERRITE	0UH				
FB2013	1-414-228-11	FERRITE	0UH				
FB2301	1-414-228-11	FERRITE	0UH				
FB2302	1-414-234-22	FERRITE	0UH				
FB8802	1-414-553-11	FERRITE	0UH				
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FL2001	1-239-848-11	FILTER, LOW PASS					
FL2002	1-239-848-11	FILTER, LOW PASS					
FL2003	1-239-848-11	FILTER, LOW PASS					
FL2004	1-239-848-11	FILTER, LOW PASS					
FL8301	1-236-071-11	ENCAPSULATED COMPONENT					
FL8303	1-236-071-11	ENCAPSULATED COMPONENT					
FL8304	1-236-071-11	ENCAPSULATED COMPONENT					
FL8305	1-236-071-11	ENCAPSULATED COMPONENT					
FL8307	1-236-071-11	ENCAPSULATED COMPONENT					
FL8308	1-236-071-11	ENCAPSULATED COMPONENT					
FL8309	1-236-071-11	ENCAPSULATED COMPONENT					
FL8311	1-236-071-11	ENCAPSULATED COMPONENT					
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IC2001	6-700-399-01	IC UPC2925T-E1					
IC2004	6-700-960-01	IC UPD64083GF-3BA					
IC2005	8-759-431-14	IC PQ3DZ53U					
IC2300	6-701-972-01	IC TC90A69F (ELP)					
IC8302	8-752-080-04	IC CXA2069Q					
IC8304	8-759-576-72	IC LF50CDT-TR					
IC8305	8-759-576-72	IC LF50CDT-TR					
IC8306	8-752-099-05	IC CXA2163AQ-T6					
IC8308	8-752-099-05	IC CXA2163AQ-T6					
IC8309	8-759-337-26	IC MM1115XFBE					
IC8310	8-759-572-04	IC TDA9178T/N1.118					
IC8312	8-759-485-79	IC TC7SET08FU(TE85R)					
IC8801	8-759-450-93	IC NJM2521M-TE1					



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
IC8802	8-759-450-93	IC NJM2521M-TE1					
IC8805	8-752-103-44	IC CXA2171Q					
IC8870	8-759-548-56	IC M52055FP					
IC8871	8-759-595-97	IC SN74LV4053ANSR					
IC8872	8-759-485-79	IC TC7SET08FU(TE85R)					
<JACK>							
J8301	1-774-748-11	TERMINAL BLOCK, S (VIDEO IN1)					
J8302	1-774-746-11	JACK BLOCK, PIN (VIDEO IN2)					
J8303	1-774-746-11	JACK BLOCK, PIN (VIDEO IN3)					
J8304	1-774-746-11	JACK BLOCK, PIN (MONITOR OUT)					
J8305	1-695-444-11	PIN JACK BLOCK 3P (S VIDEO OUT)					
J8306	1-816-597-11	PIN JACK BLOCK 2P (SYNC HD/VD)					
J8307	1-565-838-11	JACK BLOCK, PIN 2P (S VIDEO IN1)					
J8308	1-695-444-11	PIN JACK BLOCK 3P (S VIDEO IN2)					
J8309	1-565-838-11	JACK BLOCK, PIN 2P (S VIDEO IN2)					
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L2001	1-469-555-21	INDUCTOR	10UH				
L2002	1-412-002-31	INDUCTOR	4.7UH				
L2003	1-469-555-21	INDUCTOR	10UH				
L2005	1-469-555-21	INDUCTOR	10UH				
L2007	1-469-555-21	INDUCTOR	10UH				
L2008	1-469-555-21	INDUCTOR	10UH				
L2300	1-412-029-11	INDUCTOR	10UH				
L2301	1-412-032-11	INDUCTOR	100UH				
L2302	1-412-032-11	INDUCTOR	100UH				
L2303	1-412-031-11	INDUCTOR	47UH				
L2304	1-469-756-31	INDUCTOR	27UH				
L2305	1-469-756-31	INDUCTOR	27UH				
L2306	1-412-029-11	INDUCTOR	10UH				
L8802	1-469-555-21	INDUCTOR	10UH				
L8803	1-412-029-11	INDUCTOR	10UH				
L8804	1-412-029-11	INDUCTOR	10UH				
L8870	1-412-029-11	INDUCTOR	10UH				
L8871	1-412-029-11	INDUCTOR	10UH				
L8872	1-412-029-11	INDUCTOR	10UH				
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Q2002	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR					
Q2003	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR					
Q2004	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR					
Q2005	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q2006	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q2007	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q2008	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q2009	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q2010	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q2011	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q2012	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR					
Q2013	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR					
Q2014	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q2015	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q2016	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q2018	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR					
Q2019	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q2301	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR					
Q2302	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q2303	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q2304	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR					
Q2305	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q2306	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q2307	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q2308	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR					
Q2309	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q2310	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q8301	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR					
Q8302	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q8303	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q8304	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q8305	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR					
Q8306	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q8308	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q8309	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q8310	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q8311	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q8312	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q8313	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR					
Q8316	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR					
Q8319	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR					
Q8320	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR					
Q8321	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR					
Q8322	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR					
Q8326	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q8327	8-729-421-19	TRANSISTOR UN2213-TX					
Q8328	8-729-421-19	TRANSISTOR UN2213-TX					
Q8329	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q8330	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q8331	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q8332	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q8333	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q8334	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q8335	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q8336	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q8342	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q8343	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR					
Q8361	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q8362	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q8363	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q8364	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR					
Q8401	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR					
Q8402	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR					
Q8403	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR					
Q8404	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q8405	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q8406	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q8407	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q8408	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR					
Q8409	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR					
Q8410	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR					
Q8463	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q8464	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q8465	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q8466	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q8801	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q8802	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q8803	8-729-905-35	TRANSISTOR 2SC4081T106R					
Q8804	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR					
Q8805	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR					



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
Q8806	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR		R2301	1-218-839-11	METAL SHIP 470	0.5% 1/10W
Q8807	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR		R2306	1-218-837-11	METAL SHIP 390	0.5% 1/10W
Q8808	8-729-905-35	TRANSISTOR 2SC4081T106R		R2307	1-216-821-11	METAL SHIP 1K	5% 1/10W
Q8809	8-729-905-35	TRANSISTOR 2SC4081T106R		R2308	1-218-845-11	METAL SHIP 820	0.5% 1/10W
Q8870	8-729-905-35	TRANSISTOR 2SC4081T106R		R2309	1-218-849-11	METAL SHIP 1.2K	0.5% 1/10W
		<RESISTOR>		R2310	1-218-867-11	METAL SHIP 6.8K	0.5% 1/10W
R2002	1-218-839-11	METAL SHIP 470	0.5% 1/10W	R2311	1-216-834-11	METAL SHIP 12K	5% 1/10W
R2011	1-218-839-11	METAL SHIP 470	5% 1/10W	R2312	1-216-821-11	METAL SHIP 1K	5% 1/10W
R2015	1-218-839-11	METAL SHIP 470	5% 1/10W	R2313	1-216-864-11	SHORT CHIP 0	
R2021	1-216-809-11	METAL SHIP 100	5% 1/10W	R2314	1-218-837-11	METAL SHIP 390	0.5% 1/10W
R2022	1-218-985-11	METAL SHIP 47	0.5% 1/10W	R2315	1-218-839-11	METAL SHIP 470	0.5% 1/10W
R2023	1-218-985-11	METAL SHIP 47	0.5% 1/10W	R2318	1-216-821-11	METAL SHIP 1K	5% 1/10W
R2027	1-216-821-11	METAL SHIP 1K	5% 1/10W	R2319	1-218-845-11	METAL SHIP 820	0.5% 1/10W
R2028	1-216-821-11	METAL SHIP 1K	5% 1/10W	R2320	1-218-849-11	METAL SHIP 1.2K	0.5% 1/10W
R2029	1-218-841-11	METAL SHIP 560	0.5% 1/10W	R2321	1-216-834-11	METAL SHIP 12K	5% 1/10W
R2030	1-218-841-11	METAL SHIP 560	0.5% 1/10W	R2322	1-218-867-11	METAL SHIP 6.8K	0.5% 1/10W
R2031	1-218-865-11	METAL SHIP 5.6K	5% 1/10W	R2323	1-216-821-11	METAL SHIP 1K	5% 1/10W
R2032	1-218-865-11	METAL SHIP 5.6K	5% 1/10W	R2324	1-218-839-11	METAL SHIP 470	0.5% 1/10W
R2033	1-218-839-11	METAL SHIP 470	5% 1/10W	R2325	1-218-839-11	METAL SHIP 470	0.5% 1/10W
R2034	1-218-839-11	METAL SHIP 470	5% 1/10W	R2327	1-216-805-11	METAL SHIP 47	5% 1/10W
R2035	1-218-839-11	METAL SHIP 470	0.5% 1/10W	R2328	1-216-805-11	METAL SHIP 47	5% 1/10W
R2036	1-218-684-11	METAL CHIP 470	0.5% 1/10W	R2330	1-218-835-11	METAL SHIP 330	0.5% 1/10W
R2037	1-218-839-11	METAL SHIP 470	0.5% 1/10W	R2331	1-216-864-11	SHORT CHIP 0	
R2039	1-216-825-11	METAL SHIP 2.2K	5% 1/10W	R2333	1-216-809-11	METAL SHIP 100	5% 1/10W
R2040	1-218-845-11	METAL SHIP 820	0.5% 1/10W	R2334	1-216-821-11	METAL SHIP 1K	5% 1/10W
R2041	1-216-825-11	METAL SHIP 2.2K	5% 1/10W	R2335	1-216-864-11	SHORT CHIP 0	
R2042	1-216-825-11	METAL SHIP 2.2K	5% 1/10W	R2336	1-216-821-11	METAL SHIP 1K	5% 1/10W
R2043	1-216-829-11	METAL SHIP 4.7K	5% 1/10W	R2337	1-216-864-11	SHORT CHIP 0	
R2044	1-218-845-11	METAL SHIP 820	0.5% 1/10W	R2338	1-216-821-11	METAL SHIP 1K	5% 1/10W
R2046	1-216-825-11	METAL SHIP 2.2K	5% 1/10W	R8210	1-216-809-11	METAL SHIP 100	5% 1/10W
R2047	1-216-829-11	METAL SHIP 4.7K	5% 1/10W	R8211	1-216-809-11	METAL SHIP 100	5% 1/10W
R2048	1-216-821-11	METAL SHIP 1K	5% 1/10W	R8212	1-216-809-11	METAL SHIP 100	5% 1/10W
R2049	1-216-829-11	METAL SHIP 4.7K	5% 1/10W	R8213	1-216-809-11	METAL SHIP 100	5% 1/10W
R2050	1-216-805-11	METAL SHIP 47	5% 1/10W	R8301	1-218-839-11	METAL SHIP 470	0.5% 1/10W
R2051	1-216-821-11	METAL SHIP 1K	5% 1/10W	R8302	1-218-839-11	METAL SHIP 470	0.5% 1/10W
R2052	1-216-821-11	METAL SHIP 1K	5% 1/10W	R8303	1-211-989-11	METAL SHIP 68	0.5% 1/10W
R2053	1-218-839-11	METAL SHIP 470	0.5% 1/10W	R8304	1-216-825-11	METAL SHIP 2.2K	5% 1/10W
R2054	1-218-839-11	METAL SHIP 470	0.5% 1/10W	R8305	1-218-911-11	METAL SHIP 470K	0.5% 1/10W
R2055	1-216-805-11	METAL SHIP 47	5% 1/10W	R8306	1-218-285-11	METAL SHIP 75	0.5% 1/10W
R2056	1-218-865-11	METAL SHIP 5.6K	0.5% 1/10W	R8307	1-218-285-11	METAL SHIP 75	0.5% 1/10W
R2057	1-216-821-11	METAL SHIP 1K	5% 1/10W	R8308	1-218-903-11	METAL SHIP 220K	0.5% 1/10W
R2058	1-216-825-11	METAL SHIP 2.2K	5% 1/10W	R8309	1-218-903-11	METAL SHIP 220K	0.5% 1/10W
R2059	1-216-821-11	METAL SHIP 1K	5% 1/10W	R8310	1-218-285-11	METAL SHIP 75	0.5% 1/10W
R2060	1-216-809-11	METAL SHIP 100	5% 1/10W	R8311	1-218-903-11	METAL SHIP 220K	0.5% 1/10W
R2061	1-218-841-11	METAL SHIP 560	0.5% 1/10W	R8312	1-218-903-11	METAL SHIP 220K	0.5% 1/10W
R2062	1-218-903-11	METAL SHIP 220K	5% 1/10W	R8313	1-218-285-11	METAL SHIP 75	0.5% 1/10W
R2063	1-218-887-11	METAL SHIP 47K	5% 1/10W	R8314	1-218-903-11	METAL SHIP 220K	0.5% 1/10W
R2064	1-216-821-11	METAL SHIP 1K	5% 1/10W	R8315	1-218-903-11	METAL SHIP 220K	0.5% 1/10W
R2066	1-218-831-11	METAL SHIP 220	5% 1/10W	R8316	1-218-911-11	METAL SHIP 470K	0.5% 1/10W
R2067	1-218-841-11	METAL SHIP 560	5% 1/10W	R8317	1-218-285-11	METAL SHIP 75	0.5% 1/10W
R2069	1-218-676-11	METAL CHIP 220	0.5% 1/10W	R8318	1-218-285-11	METAL SHIP 75	0.5% 1/10W
R2070	1-218-678-11	METAL CHIP 270	0.5% 1/10W	R8319	1-218-285-11	METAL SHIP 75	0.5% 1/10W
R2071	1-218-865-11	METAL SHIP 5.6K	0.5% 1/10W	R8320	1-218-903-11	METAL SHIP 220K	0.5% 1/10W
R2072	1-218-841-11	METAL SHIP 560	0.5% 1/10W	R8321	1-218-903-11	METAL SHIP 220K	0.5% 1/10W
R2073	1-216-821-11	METAL SHIP 1K	5% 1/10W	R8322	1-218-285-11	METAL SHIP 75	0.5% 1/10W
R2074	1-216-809-11	METAL SHIP 100	5% 1/10W	R8323	1-216-864-11	SHORT CHIP 0	
R2076	1-216-809-11	METAL SHIP 100	5% 1/10W	R8324	1-216-864-11	SHORT CHIP 0	
R2077	1-216-809-11	METAL SHIP 100	5% 1/10W	R8325	1-216-864-11	SHORT CHIP 0	
R2108	1-216-821-11	METAL SHIP 1K	5% 1/10W	R8326	1-218-911-11	METAL SHIP 470K	0.5% 1/10W
R2115	1-218-839-11	METAL SHIP 470	0.5% 1/10W	R8327	1-216-864-11	SHORT CHIP 0	
				R8328	1-218-911-11	METAL SHIP 470K	0.5% 1/10W



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK	
R8329	1-218-911-11	METAL SHIP 470K	0.5%	1/10W	R8403	1-218-839-11 METAL SHIP 470	0.5%	1/10W
R8330	1-218-285-11	METAL SHIP 75	0.5%	1/10W	R8404	1-218-831-11 METAL SHIP 220	0.5%	1/10W
R8331	1-216-864-11	SHORT CHIP 0			R8405	1-218-831-11 METAL SHIP 220	0.5%	1/10W
R8332	1-216-864-11	SHORT CHIP 0			R8406	1-218-831-11 METAL SHIP 220	0.5%	1/10W
R8333	1-216-864-11	SHORT CHIP 0			R8407	1-218-831-11 METAL SHIP 220	0.5%	1/10W
R8334	1-216-864-11	SHORT CHIP 0			R8408	1-218-831-11 METAL SHIP 220	0.5%	1/10W
R8335	1-216-829-11	METAL SHIP 4.7K	5%	1/10W	R8409	1-216-864-11 SHORT CHIP 0		
R8336	1-216-829-11	METAL SHIP 4.7K	5%	1/10W	R8410	1-216-864-11 SHORT CHIP 0		
R8337	1-218-285-11	METAL SHIP 75	0.5%	1/10W	R8411	1-216-838-11 METAL SHIP 27K	5%	1/10W
R8338	1-216-829-11	METAL SHIP 4.7K	5%	1/10W	R8412	1-216-833-11 METAL SHIP 10K	5%	1/10W
R8339	1-216-829-11	METAL SHIP 4.7K	5%	1/10W	R8413	1-218-839-11 METAL SHIP 470	0.5%	1/10W
R8340	1-216-829-11	METAL SHIP 4.7K	5%	1/10W	R8414	1-218-706-11 METAL CHIP 3.9K	0.5%	1/10W
R8341	1-216-829-11	METAL SHIP 4.7K	5%	1/10W	R8415	1-216-821-11 METAL SHIP 1K	5%	1/10W
R8342	1-216-829-11	METAL SHIP 4.7K	5%	1/10W	R8416	1-218-839-11 METAL SHIP 470	0.5%	1/10W
R8343	1-216-829-11	METAL SHIP 4.7K	5%	1/10W	R8417	1-216-809-11 METAL SHIP 100	5%	1/10W
R8344	1-218-285-11	METAL SHIP 75	0.5%	1/10W	R8418	1-216-809-11 METAL SHIP 100	5%	1/10W
R8345	1-218-831-11	METAL SHIP 220	0.5%	1/10W	R8419	1-216-805-11 METAL SHIP 47	5%	1/10W
R8346	1-216-812-11	METAL SHIP 180	5%	1/10W	R8420	1-216-805-11 METAL SHIP 47	5%	1/10W
R8347	1-216-809-11	METAL SHIP 100	5%	1/10W	R8421	1-216-864-11 SHORT CHIP 0		
R8348	1-216-825-11	METAL SHIP 2.2K	5%	1/10W	R8422	1-216-864-11 SHORT CHIP 0		
R8349	1-216-821-11	METAL SHIP 1K	5%	1/10W	R8423	1-216-864-11 SHORT CHIP 0		
R8350	1-216-821-11	METAL SHIP 1K	5%	1/10W	R8424	1-216-838-11 METAL SHIP 27K	5%	1/10W
R8351	1-216-829-11	METAL SHIP 4.7K	5%	1/10W	R8425	1-218-887-11 METAL SHIP 47K	0.5%	1/10W
R8352	1-216-829-11	METAL SHIP 4.7K	5%	1/10W	R8426	1-218-706-11 METAL CHIP 3.9K	0.5%	1/10W
R8353	1-216-805-11	METAL SHIP 47	5%	1/10W	R8427	1-216-864-11 SHORT CHIP 0		
R8354	1-216-805-11	METAL SHIP 47	5%	1/10W	R8428	1-216-809-11 METAL SHIP 100	5%	1/10W
R8355	1-216-864-11	SHORT CHIP 0			R8429	1-218-845-11 METAL SHIP 820	5%	1/10W
R8356	1-216-864-11	SHORT CHIP 0			R8430	1-216-810-11 METAL SHIP 120	5%	1/10W
R8357	1-216-805-11	METAL SHIP 47	5%	1/10W	R8436	1-218-839-11 METAL SHIP 470	0.5%	1/10W
R8358	1-216-805-11	METAL SHIP 47	5%	1/10W	R8437	1-218-839-11 METAL SHIP 470	0.5%	1/10W
R8361	1-216-805-11	METAL SHIP 47	5%	1/10W	R8438	1-218-839-11 METAL SHIP 470	0.5%	1/10W
R8362	1-216-805-11	METAL SHIP 47	5%	1/10W	R8439	1-216-809-11 METAL SHIP 100	5%	1/10W
R8363	1-211-989-11	METAL SHIP 68	0.5%	1/10W	R8440	1-216-821-11 METAL SHIP 1K	5%	1/10W
R8364	1-218-839-11	METAL SHIP 470	0.5%	1/10W	R8441	1-216-821-11 METAL SHIP 1K	5%	1/10W
R8365	1-216-821-11	METAL SHIP 1K	5%	1/10W	R8442	1-216-821-11 METAL SHIP 1K	5%	1/10W
R8366	1-216-821-11	METAL SHIP 1K	5%	1/10W	R8443	1-216-809-11 METAL SHIP 100	5%	1/10W
R8367	1-218-839-11	METAL SHIP 470	0.5%	1/10W	R8444	1-216-809-11 METAL SHIP 100	5%	1/10W
R8368	1-216-809-11	METAL SHIP 100	5%	1/10W	R8446	1-216-821-11 METAL SHIP 1K	5%	1/10W
R8369	1-218-839-11	METAL SHIP 470	0.5%	1/10W	R8447	1-216-809-11 METAL SHIP 100	5%	1/10W
R8370	1-216-809-11	METAL SHIP 100	5%	1/10W	R8448	1-216-809-11 METAL SHIP 100	5%	1/10W
R8376	1-216-821-11	METAL SHIP 1K	5%	1/10W	R8449	1-216-809-11 METAL SHIP 100	5%	1/10W
R8377	1-216-809-11	METAL SHIP 100	5%	1/10W	R8456	1-216-821-11 METAL SHIP 1K	5%	1/10W
R8378	1-218-831-11	METAL SHIP 220	0.5%	1/10W	R8457	1-216-821-11 METAL SHIP 1K	5%	1/10W
R8379	1-218-831-11	METAL SHIP 220	0.5%	1/10W	R8458	1-216-821-11 METAL SHIP 1K	5%	1/10W
R8380	1-216-809-11	METAL SHIP 100	5%	1/10W	R8459	1-216-809-11 METAL SHIP 100	5%	1/10W
R8381	1-216-809-11	METAL SHIP 100	5%	1/10W	R8460	1-216-809-11 METAL SHIP 100	5%	1/10W
R8382	1-218-831-11	METAL SHIP 220	0.5%	1/10W	R8461	1-216-809-11 METAL SHIP 100	5%	1/10W
R8383	1-218-831-11	METAL SHIP 220	0.5%	1/10W	R8464	1-216-809-11 METAL SHIP 100	5%	1/10W
R8384	1-216-809-11	METAL SHIP 100	5%	1/10W	R8465	1-216-809-11 METAL SHIP 100	5%	1/10W
R8385	1-216-809-11	METAL SHIP 100	5%	1/10W	R8466	1-216-809-11 METAL SHIP 100	5%	1/10W
R8386	1-216-809-11	METAL SHIP 100	5%	1/10W	R8467	1-218-839-11 METAL SHIP 470	0.5%	1/10W
R8388	1-216-864-11	SHORT CHIP 0			R8468	1-218-839-11 METAL SHIP 470	0.5%	1/10W
R8389	1-218-839-11	METAL SHIP 470	0.5%	1/10W	R8469	1-218-839-11 METAL SHIP 470	0.5%	1/10W
R8395	1-218-831-11	METAL SHIP 220	0.5%	1/10W	R8470	1-218-867-11 METAL SHIP 6.8K	0.5%	1/10W
R8396	1-218-831-11	METAL SHIP 220	0.5%	1/10W	R8471	1-216-809-11 METAL SHIP 100	5%	1/10W
R8398	1-216-809-11	METAL SHIP 100	5%	1/10W	R8473	1-216-809-11 METAL SHIP 100	5%	1/10W
R8399	1-216-809-11	METAL SHIP 100	5%	1/10W	R8478	1-218-887-11 METAL SHIP 47K	0.5%	1/10W
R8400	1-216-809-11	METAL SHIP 100	5%	1/10W	R8479	1-216-845-11 METAL SHIP 100K	5%	1/10W
R8401	1-216-837-11	METAL SHIP 22K	5%	1/10W	R8480	1-216-833-11 METAL SHIP 10K	5%	1/10W
R8402	1-216-809-11	METAL SHIP 100	5%	1/10W	R8481	1-216-844-11 METAL SHIP 82K	5%	1/10W
					R8482	1-218-887-11 METAL SHIP 47K	0.5%	1/10W



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
VD8308	1-803-974-21	VARISTOR, CHIP		C110	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V
		<CRYSTAL>		C111	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V
X2001	1-767-606-11	VIBRATOR, CRYSTAL		C112	1-126-933-11	ELECT 100UF	20.00% 16V
X8301	1-781-612-11	VIBRATOR, CRYSTAL (16.2MHz)		C113	1-126-947-11	ELECT 47UF	20.00% 16V
X8302	1-781-612-11	VIBRATOR, CRYSTAL (16.2MHz)		C114	1-126-967-11	ELECT 47UF	20.00% 50V
X8801	1-781-922-21	VIBRATOR, CERAMIC		C176	1-126-933-11	ELECT 100UF	20.00% 16V
*****				C178	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
	*A-1300-962-A	A BOARD, COMPLETE		C301	1-126-767-11	ELECT 1000UF	20.00% 16V
		(KP-FX53M61, KP-FX53M91)		C326	1-126-964-11	ELECT 10UF	20.00% 50V
	*A-1300-963-A	A BOARD, COMPLETE		C1214	1-126-055-11	ELECT 470UF	20.00% 50V
		(KP-FX43M61, KP-FX43M91)		C1215	1-126-055-11	ELECT 470UF	20.00% 50V
	*A-1302-040-A	A BOARD, COMPLETE (KP-FX53M31)		C1216	1-126-943-11	ELECT 2200UF	20.00% 25V
				C1217	1-126-943-11	ELECT 2200UF	20.00% 25V
	*A-1302-041-A	A BOARD, COMPLETE (KP-FX43M31)		C1219	1-126-961-11	ELECT 2.2UF	20.00% 50V
				C1220	1-126-961-11	ELECT 2.2UF	20.00% 50V
	*4-042-408-01	PIN, COATING LEAD		C1221	1-126-933-11	ELECT 100UF	20.00% 16V
	4-382-854-11	SCREW (M3X10), P, SW (+)		C1241	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V
		<CAPACITOR>		C1242	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V
C001	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C1243	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V
C002	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C1244	1-110-617-51	ELECT 2200UF	20.00% 50V
C003	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	C1245	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V
C004	1-126-947-11	ELECT 47UF	20.00% 16V	C1246	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V
C005	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C1247	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V
C006	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C1248	1-110-617-51	ELECT 2200UF	20.00% 50V
C007	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C1249	1-163-009-91	CERAMIC CHIP 0.001UF	10.00% 50V
C008	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C1251	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V
C009	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	C1252	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V
C010	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	C1253	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V
C011	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C1255	1-163-009-91	CERAMIC CHIP 0.001UF	10.00% 50V
C012	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	C1256	1-136-171-00	FILM 0.33UF	5.00% 50V
C014	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V			(KP-FX43M31/M61/M91)	
C016	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	C1256	1-137-194-81	FILM 0.47UF	5.00% 50V
C017	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V			(KP-FX53M31/M61/M91)	
C018	1-126-935-11	ELECT 470UF	20.00% 10V	C1257	1-136-177-00	FILM 1UF	5.00% 50V
C020	1-164-227-11	CERAMIC CHIP 0.022UF	10.00% 25V			(KP-FX43M31/M61/M91)	
C022	1-164-230-11	CERAMIC CHIP 220PF	5.00% 50V	C1258	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V
C024	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C1259	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V
C025	1-164-230-11	CERAMIC CHIP 220PF	5.00% 50V	C1260	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V
C026	1-128-551-11	ELECT 22UF	20.00% 25V	C1262	1-163-009-91	CERAMIC CHIP 0.001UF	10.00% 50V
C027	1-126-964-11	ELECT 10UF	20.00% 50V	C1263	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V
C028	1-126-933-11	ELECT 100UF	20.00% 16V	C1264	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V
C029	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C1265	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V
C030	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C1267	1-163-009-91	CERAMIC CHIP 0.001UF	10.00% 50V
C031	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C1268	1-136-171-00	FILM 0.33UF	5.00% 50V
C032	1-115-467-11	CERAMIC CHIP 0.22UF	10.00% 10V			(KP-FX43M31/M61/M91)	
C033	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C1268	1-137-194-81	FILM 0.47UF	5.00% 50V
C034	1-164-230-11	CERAMIC CHIP 220PF	5.00% 50V			(KP-FX53M31/M61/M91)	
C035	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C1269	1-136-177-00	FILM 1UF	5.00% 50V
C036	1-128-551-11	ELECT 22UF	20.00% 25V			(KP-FX43M31/M61/M91)	
C043	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	C1270	1-163-007-11	CERAMIC CHIP 680PF	10.00% 50V
C103	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C1271	1-163-007-11	CERAMIC CHIP 680PF	10.00% 50V
C104	1-126-933-11	ELECT 100UF	20.00% 16V	C1272	1-126-941-11	ELECT 470UF	20.00% 25V
C107	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V	C1273	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V
C108	1-126-933-11	ELECT 100UF	20.00% 16V	C1274	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V
C109	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V	C1275	1-163-007-11	CERAMIC CHIP 680PF	10.00% 50V
				C1276	1-163-007-11	CERAMIC CHIP 680PF	10.00% 50V
				C1277	1-164-690-91	CERAMIC CHIP 0.0022UF	5.00% 50V
				C1279	1-164-690-91	CERAMIC CHIP 0.0022UF	5.00% 50V
				C1281	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V
				C1282	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V
				C1283	1-164-690-91	CERAMIC CHIP 0.0022UF	5.00% 50V
				C1284	1-164-690-91	CERAMIC CHIP 0.0022UF	5.00% 50V

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C1297	1-136-171-00	FILM	0.33UF 5.00% 50V (KP-FX43M31/M61/M91)	CN1116	1-695-915-11	TAB (CONTACT)	
C1297	1-137-194-11	FILM	0.56UF 5.00% 50V (KP-FX53M31/M61/M91)	CN1117	*1-564-506-11	PLUG, CONNECTOR 3P	
C1298	1-136-171-00	FILM	0.33UF 5.00% 50V (KP-FX43M31/M61/M91)	CN1118	*1-774-813-11	CONNECTOR, BOARD TO BOARD 7P	
C1298	1-137-195-11	FILM	0.53UF 5.00% 50V (KP-FX53M31/M61/M91)	CN1120	1-793-493-11	CONNECTOR, BOARD TO BOARD 20P	
C1301	1-126-933-11	ELECT	100UF 20.00% 16V	CN1121	*1-774-813-11	CONNECTOR, BOARD TO BOARD 7P	
C1302	1-115-339-11	CERAMIC CHIP	0.1UF 10.00% 50V	CN1140	1-793-495-11	CONNECTOR, BOARD TO BOARD 50P	
C1303	1-164-156-11	CERAMIC CHIP	0.1UF 25V	CN1160	*1-764-333-11	PLUG, CONNECTOR 10P	
C2200	1-126-964-11	ELECT	10UF 20.00% 50V	CN1161	*1-564-511-11	PLUG, CONNECTOR 8P	
C2201	1-126-964-11	ELECT	10UF 20.00% 50V	CN1162	*1-764-333-11	PLUG, CONNECTOR 10P	
C2202	1-126-964-11	ELECT	10UF 20.00% 50V	CN1162	*1-764-333-11	PLUG, CONNECTOR 10P	
C2203	1-126-963-11	ELECT	4.7UF 20.00% 50V	CN1164	*1-564-510-11	PLUG, CONNECTOR 7P	
C2204	1-125-838-11	CERAMIC CHIP	2.2UF 10% 6.3V	CN1180	*1-785-304-11	CONNECTOR, DIN (RECEPTACLE) 64	
C2205	1-125-838-11	CERAMIC CHIP	2.2UF 10% 6.3V	CN1190	*1-564-510-11	PLUG, CONNECTOR 7P	
C2206	1-126-964-11	ELECT	10UF 20.00% 50V	CN1195	*1-564-506-11	PLUG, CONNECTOR 3P	
C2209	1-126-968-11	ELECT	100UF 20.00% 50V	CN1201	*1-564-509-11	PLUG, CONNECTOR 6P	
C2600	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V	CN1293	*1-764-333-11	PLUG, CONNECTOR 10P	
C2601	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V			<DIODE>	
C2602	1-126-933-11	ELECT	100UF 20.00% 16V	D001	8-719-081-97	DIODE MMDL914T1	
C2603	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V	D002	8-719-058-24	DIODE RB501V-40TE-17	
C2604	1-126-933-11	ELECT	100UF 20.00% 16V	D003	8-719-081-97	DIODE MMDL914T1	
C2605	1-126-935-11	ELECT	470UF 20.00% 16V	D007	8-719-158-18	DIODE RD5.6SB3-T1	
C2606	1-110-563-11	CERAMIC CHIP	0.068UF 10.00% 16V	D009	8-719-158-18	DIODE RD5.6SB3-T1	
C2608	1-126-926-11	ELECT	1000UF 20.00% 10V	D011	8-719-510-02	DIODE D1NS4-TR	
C2609	1-126-935-11	ELECT	470UF 20.00% 10V	D013	8-719-158-18	DIODE RD5.6SB3-T1	
C2610	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V	D014	8-719-110-72	DIODE RD30ES-T1B2	
C2611	1-126-934-11	ELECT	220UF 20.00% 10V	D100	8-719-081-97	DIODE MMDL914T1	
C2612	1-126-933-11	ELECT	100UF 20.00% 16V	D301	8-719-081-97	DIODE MMDL914T1	
C2613	1-126-933-11	ELECT	100UF 20.00% 16V	D302	8-719-081-97	DIODE MMDL914T1	
C2614	1-126-935-11	ELECT	470UF 20.00% 16V	D317	8-719-081-97	DIODE MMDL914T1	
C2615	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V	D1205	8-719-158-35	DIODE RD9.1SB-T1	
C2616	1-126-933-11	ELECT	100UF 20.00% 16V	D1208	8-719-081-97	DIODE MMDL914T1	
C2617	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V	D1209	8-719-081-97	DIODE MMDL914T1	
C2618	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V	D1300	8-719-158-18	DIODE RD5.6SB3-T1	
C2619	1-126-935-11	ELECT	470UF 20.00% 16V	D1301	8-719-083-66	DIODE UDZSTE-1718B	
C2620	1-128-953-31	ELECT	470UF 20% 25V	D2200	8-719-158-35	DIODE RD9.1SB-T1	
C2622	1-110-563-11	CERAMIC CHIP	0.068UF 10.00% 16V	D2201	8-719-158-35	DIODE RD9.1SB-T1	
C2623	1-126-926-11	ELECT	1000UF 20.00% 10V	D2600	8-719-500-70	DIODE D5S4M	
C2625	1-126-935-11	ELECT	470UF 20.00% 16V	D2601	8-719-500-70	DIODE D5S4M	
C2633	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V			<FERRITE BEAD>	
C2634	1-126-933-11	ELECT	100UF 20.00% 16V	FB001	1-414-233-22	FERRITE 0UH	
C2635	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V	FB002	1-414-233-22	FERRITE 0UH	
C3330	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V	FB003	1-414-233-22	FERRITE 0UH	
C3331	1-126-933-11	ELECT	100UF 20.00% 16V	FB004	1-414-233-22	FERRITE 0UH	
C3336	1-126-933-11	ELECT	100UF 20.00% 16V	FB005	1-414-233-22	FERRITE 0UH	
C3338	1-162-962-11	CERAMIC CHIP	470PF 10.00% 50V	FB006	1-414-233-22	FERRITE 0UH	
C3350	1-162-962-11	CERAMIC CHIP	470PF 10.00% 50V	FB007	1-414-233-22	FERRITE 0UH	
C3351	1-162-962-11	CERAMIC CHIP	470PF 10.00% 50V	FB008	1-414-233-22	FERRITE 0UH	
C3352	1-162-962-11	CERAMIC CHIP	470PF 10.00% 50V	FB127	1-414-228-11	FERRITE 0UH	
C3353	1-126-933-11	ELECT	100UF 20.00% 16V	FB128	1-414-228-11	FERRITE 0UH	
C3354	1-126-967-11	ELECT	47UF 20.00% 50V	FB1205	1-410-397-21	FERRITE 1.1UH	
C3355	1-126-947-11	ELECT	47UF 20.00% 16V	FB1206	1-410-397-21	FERRITE 1.1UH	
		<CONNECTOR>		FB1207	1-410-397-21	FERRITE 1.1UH	
CN1100	*1-816-598-11	PIN, CONNECTOR 12P		FB1208	1-410-397-21	FERRITE 1.1UH	
CN1101	*1-564-510-11	PLUG, CONNECTOR 7P		FB1300	1-216-295-91	SHORT CHIP 0	
CN1108	*1-785-304-11	CONNECTOR, DIN (RECEPTACLE) 64					
CN1112	1-695-915-11	TAB (CONTACT)					
CN1113	1-695-915-11	TAB (CONTACT)					

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
		<FILTER>					
FL001	1-236-071-11	ENCAPSULATED COMPONENT		L3305	1-414-856-11	INDUCTOR 10UH	
				L3306	1-414-856-11	INDUCTOR 10UH	
		<IC>				<IC LINK>	
IC001	8-752-933-16	IC CXP961048-006Q		PS1201	Δ 1-532-686-21	LINK, IC 2.7A/50V	
IC002	6-702-474-01	IC MM1482BFBE		PS1202	Δ 1-532-686-21	LINK, IC 2.7A/50V	
IC003	8-759-682-41	IC M24C32-WMN6T(A)		PS1203	Δ 1-532-686-21	LINK, IC 2.7A/50V	
IC005	8-759-450-47	IC BA05T		PS1204	Δ 1-532-686-21	LINK, IC 2.7A/50V	
IC100	8-759-042-02	IC S-80743AL-A7-T1				<TRANSISTOR>	
IC1203	8-759-553-45	IC TDA7481		Q001	8-729-905-35	TRANSISTOR 2SC4081T106R	
IC1204	8-759-553-45	IC TDA7481		Q002	8-729-905-35	TRANSISTOR 2SC4081T106R	
IC2200	8-759-745-64	IC NJM4560M-TE2		Q003	8-729-905-35	TRANSISTOR 2SC4081T106R	
IC2600	8-759-394-36	IC BA09T		Q004	8-729-905-35	TRANSISTOR 2SC4081T106R	
IC2601	8-759-640-19	IC PQ1CG2032FZ		Q005	8-729-907-00	TRANSISTOR DTC114EUA-T106	
IC2602	6-700-898-01	IC PQ05RD21		Q006	8-729-905-35	TRANSISTOR 2SC4081T106R	
IC2602	8-759-513-71	IC PQ05RF21		Q007	8-729-905-35	TRANSISTOR 2SC4081T106R	
IC2603	8-759-640-19	IC PQ1CG2032FZ		Q008	8-729-907-00	TRANSISTOR DTC114EUA-T106	
IC2604	8-759-644-37	IC PQ5EV3		Q009	8-729-028-23	TRANSISTOR 2SJ344(TE85L)	
IC2605	8-759-394-36	IC BA09T		Q101	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR	
IC2607	8-759-394-36	IC BA09T		Q105	8-729-905-35	TRANSISTOR 2SC4081T106R	
		<CHIP CONDUCTOR>		Q301	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR	
JR101	1-216-864-11	SHORT CHIP 0		Q313	8-729-905-35	TRANSISTOR 2SC4081T106R	
JR102	1-216-864-11	SHORT CHIP 0		Q1205	1-801-806-11	TRANSISTOR DTC144EKA-T146	
JR107	1-216-864-11	SHORT CHIP 0		Q1206	8-729-905-35	TRANSISTOR 2SC4081T106R	
JR113	1-216-864-11	SHORT CHIP 0		Q1207	8-729-905-35	TRANSISTOR 2SC4081T106R	
JR1111	1-216-864-11	SHORT CHIP 0		Q1209	8-729-905-35	TRANSISTOR 2SC4081T106R	
JR1112	1-216-864-11	SHORT CHIP 0		Q1210	8-729-905-35	TRANSISTOR 2SC4081T106R	
JR1301	1-216-864-11	SHORT CHIP 0		Q1211	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR	
		<COIL>		Q2200	1-801-806-11	TRANSISTOR DTC144EKA-T146	
L001	1-414-856-11	INDUCTOR 10UH		Q2201	1-801-806-11	TRANSISTOR DTC144EKA-T146	
L002	1-414-856-11	INDUCTOR 10UH		Q2603	8-729-907-00	TRANSISTOR DTC114EUA-T106	
L101	1-414-856-11	INDUCTOR 10UH		Q2604	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR	
L102	1-414-856-11	INDUCTOR 10UH		Q3300	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR	
L103	1-414-856-11	INDUCTOR 10UH				<RESISTOR>	
L104	1-414-856-11	INDUCTOR 10UH		R001	1-218-831-11	METAL SHIP 220 5% 1/10W	
L105	1-414-856-11	INDUCTOR 10UH		R002	1-218-831-11	METAL SHIP 220 5% 1/10W	
L112	1-469-555-21	INDUCTOR 10UH		R003	1-216-829-11	METAL SHIP 4.7K 5% 1/10W	
L1201	1-414-187-11	INDUCTOR 47UH		R004	1-216-829-11	METAL SHIP 4.7K 5% 1/10W	
L1202	1-406-977-21	INDUCTOR 100UH		R005	1-216-835-11	METAL SHIP 15K 5% 1/10W	
L1203	1-406-977-21	INDUCTOR 100UH		R006	1-216-835-11	METAL SHIP 15K 5% 1/10W	
L1204	1-416-857-11	INDUCTOR 65UH		R007	1-218-831-11	METAL SHIP 220 5% 1/10W	
L1205	1-416-857-11	INDUCTOR 65UH		R009	1-216-809-11	METAL SHIP 100 5% 1/10W	
L1300	1-414-856-11	INDUCTOR 10UH		R010	1-216-809-11	METAL SHIP 100 5% 1/10W	
L1301	1-414-856-11	INDUCTOR 10UH		R012	1-216-829-11	METAL SHIP 4.7K 5% 1/10W	
L2600	1-419-249-11	INDUCTOR 15UH		R013	1-216-821-11	METAL SHIP 1K 5% 1/10W	
L2601	1-419-249-11	INDUCTOR 15UH		R014	1-216-821-11	METAL SHIP 1K 5% 1/10W	
L2602	1-412-525-31	INDUCTOR 10UH		R015	1-216-821-11	METAL SHIP 1K 5% 1/10W	
L2603	1-412-525-31	INDUCTOR 10UH		R016	1-216-821-11	METAL SHIP 1K 5% 1/10W	
L2604	1-412-525-31	INDUCTOR 10UH		R017	1-216-821-11	METAL SHIP 1K 5% 1/10W	
L2605	1-419-249-11	INDUCTOR 15UH		R018	1-218-831-11	METAL SHIP 220 5% 1/10W	
L2606	1-419-249-11	INDUCTOR 15UH		R019	1-216-814-11	METAL SHIP 270 5% 1/10W	
L2607	1-412-525-31	INDUCTOR 10UH		R020	1-218-831-11	METAL SHIP 220 5% 1/10W	
L3302	1-414-856-11	INDUCTOR 10UH		R021	1-216-809-11	METAL SHIP 100 5% 1/10W	
L3303	1-414-856-11	INDUCTOR 10UH		R022	1-216-821-11	METAL SHIP 1K 5% 1/10W	
L3304	1-414-856-11	INDUCTOR 10UH		R023	1-216-821-11	METAL SHIP 1K 5% 1/10W	
				R024	1-218-841-11	METAL SHIP 560 5% 1/10W	
				R025	1-216-811-11	METAL SHIP 150 5% 1/10W	
				R026	1-216-821-11	METAL SHIP 1K 5% 1/10W	



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R027	1-216-827-11	METAL SHIP 3.3K	5% 1/10W	R097	1-218-831-11	METAL SHIP 220	5% 1/10W
R028	1-216-827-11	METAL SHIP 3.3K	5% 1/10W	R098	1-216-864-11	SHORT CHIP 0	
R029	1-216-829-11	METAL SHIP 4.7K	5% 1/10W	R099	1-216-809-11	METAL SHIP 100	5% 1/10W
R030	1-216-829-11	METAL SHIP 4.7K	5% 1/10W	R099	1-216-809-11	METAL SHIP 100	5% 1/10W
R031	1-216-829-11	METAL SHIP 4.7K	5% 1/10W	R110	1-216-809-11	METAL SHIP 100	5% 1/10W
R032	1-216-829-11	METAL SHIP 4.7K	5% 1/10W				
R033	1-216-809-11	METAL SHIP 100	5% 1/10W	R102	1-216-818-11	METAL SHIP 560	5% 1/10W
R034	1-218-831-11	METAL SHIP 220	5% 1/10W	R105	1-216-864-11	SHORT CHIP 0	
R035	1-218-831-11	METAL SHIP 220	5% 1/10W	R109	1-218-839-11	METAL SHIP 470	5% 1/10W
R036	1-216-809-11	METAL SHIP 100	5% 1/10W	R111	1-216-809-11	METAL SHIP 100	5% 1/10W
R038	1-216-809-11	METAL SHIP 100	5% 1/10W	R112	1-216-809-11	METAL SHIP 100	5% 1/10W
				R113	1-216-864-11	SHORT CHIP 0	
R039	1-216-809-11	METAL SHIP 100	5% 1/10W	R116	1-216-805-11	METAL SHIP 47	5% 1/10W
R040	1-216-821-11	METAL SHIP 1K	5% 1/10W	R117	1-216-805-11	METAL SHIP 47	5% 1/10W
R041	1-216-809-11	METAL SHIP 100	5% 1/10W	R118	1-216-809-11	METAL SHIP 100	5% 1/10W
R042	1-216-821-11	METAL SHIP 1K	5% 1/10W	R119	1-216-809-11	METAL SHIP 100	5% 1/10W
R043	1-216-809-11	METAL SHIP 100	5% 1/10W				
				R121	1-216-809-11	METAL SHIP 100	5% 1/10W
R044	1-216-809-11	METAL SHIP 100	5% 1/10W	R122	1-216-809-11	METAL SHIP 100	5% 1/10W
R045	1-216-821-11	METAL SHIP 1K	5% 1/10W	R123	1-216-809-11	METAL SHIP 100	5% 1/10W
R046	1-218-831-11	METAL SHIP 220	5% 1/10W	R124	1-216-829-11	METAL SHIP 4.7K	5% 1/10W
R047	1-216-809-11	METAL SHIP 100	5% 1/10W	R125	1-216-829-11	METAL SHIP 4.7K	5% 1/10W
R048	1-216-829-11	METAL SHIP 4.7K	5% 1/10W				
				R179	1-216-809-11	METAL SHIP 100	5% 1/10W
R049	1-218-831-11	METAL SHIP 220	5% 1/10W	R180	1-216-812-11	METAL SHIP 180	5% 1/10W
R050	1-216-809-11	METAL SHIP 100	5% 1/10W	R181	1-218-831-11	METAL SHIP 220	5% 1/10W
R052	1-216-809-11	METAL SHIP 100	5% 1/10W	R183	1-216-809-11	METAL SHIP 100	5% 1/10W
R054	1-218-831-11	METAL SHIP 220	5% 1/10W	R184	1-218-903-11	METAL SHIP 220K	5% 1/10W
R055	1-218-831-11	METAL SHIP 220	5% 1/10W				
				R185	1-216-857-11	METAL SHIP 1M	5% 1/10W
R056	1-216-864-11	SHORT CHIP 0		R301	1-218-911-11	METAL SHIP 470K	5% 1/10W
R057	1-216-864-11	SHORT CHIP 0		R302	1-218-887-11	METAL SHIP 47K	5% 1/10W
R058	1-218-831-11	METAL SHIP 220	5% 1/10W	R303	1-218-887-11	METAL SHIP 47K	5% 1/10W
R059	1-216-829-11	METAL SHIP 4.7K	5% 1/10W	R1205	1-218-887-11	METAL SHIP 47K	5% 1/10W
R060	1-218-831-11	METAL SHIP 220	5% 1/10W				
				R1206	1-218-887-11	METAL SHIP 47K	5% 1/10W
R061	1-218-831-11	METAL SHIP 220	5% 1/10W	R1207	1-216-833-11	METAL SHIP 10K	5% 1/10W
R062	1-216-825-11	METAL SHIP 2.2K	5% 1/10W	R1208	1-216-833-11	METAL SHIP 10K	5% 1/10W
R063	1-218-831-11	METAL SHIP 220	5% 1/10W	R1236	1-208-808-11	METAL CHIP 12K	0.5% 1/10W
R064	1-216-821-11	METAL SHIP 1K	5% 1/10W	R1237	1-216-839-11	METAL SHIP 33K	5% 1/10W
R065	1-216-829-11	METAL SHIP 4.7K	5% 1/10W				
				R1238	1-216-837-11	METAL SHIP 22K	5% 1/10W
R067	1-216-827-11	METAL SHIP 3.3K	5% 1/10W	R1239	1-218-865-11	METAL SHIP 5.6K	5% 1/10W
R068	1-216-821-11	METAL SHIP 1K	5% 1/10W	R1240	1-216-839-11	METAL SHIP 33K	5% 1/10W
R070	1-218-831-11	METAL SHIP 220	5% 1/10W	R1244	1-216-829-11	METAL SHIP 4.7K	5% 1/10W
R071	1-216-821-11	METAL SHIP 1K	5% 1/10W	R1246	1-208-808-11	METAL CHIP 12K	0.5% 1/10W
R072	1-218-831-11	METAL SHIP 220	5% 1/10W				
				R1247	1-216-839-11	METAL SHIP 33K	5% 1/10W
R073	1-216-829-11	METAL SHIP 4.7K	5% 1/10W	R1252	1-216-829-11	METAL SHIP 4.7K	5% 1/10W
R074	1-218-831-11	METAL SHIP 220	5% 1/10W	R1260	1-216-037-00	METAL SHIP 330	5% 1/10W
R077	1-216-821-11	METAL SHIP 1K	5% 1/10W	R1261	1-216-037-00	METAL SHIP 330	5% 1/10W
R078	1-218-831-11	METAL SHIP 220	5% 1/10W	R1264	1-218-839-11	METAL SHIP 470	5% 1/10W
R079	1-218-831-11	METAL SHIP 220	5% 1/10W				
				R1265	1-218-839-11	METAL SHIP 470	5% 1/10W
R080	1-216-821-11	METAL SHIP 1K	5% 1/10W	R1266	1-216-821-11	METAL SHIP 1K	5% 1/10W
R082	1-216-821-11	METAL SHIP 1K	5% 1/10W	R1267	1-216-835-11	METAL SHIP 15K	5% 1/10W
R083	1-218-831-11	METAL SHIP 220	5% 1/10W	R1269	1-216-809-11	METAL SHIP 100	5% 1/10W
R084	1-216-833-11	METAL SHIP 10K	5% 1/10W	R1270	1-218-887-11	METAL SHIP 47K	5% 1/10W
R085	1-216-833-11	METAL SHIP 10K	5% 1/10W				
				R1271	1-216-821-11	METAL SHIP 1K	5% 1/10W
R087	1-216-864-11	SHORT CHIP 0		R1272	1-216-821-11	METAL SHIP 1K	5% 1/10W
R088	1-216-864-11	SHORT CHIP 0		R1273	1-216-829-11	METAL SHIP 4.7K	5% 1/10W
R089	1-216-809-11	METAL SHIP 100	5% 1/10W	R1275	1-216-837-11	METAL SHIP 22K	5% 1/10W
R090	1-216-809-11	METAL SHIP 100	5% 1/10W	R1276	1-216-837-11	METAL SHIP 22K	5% 1/10W
R091	1-216-829-11	METAL SHIP 4.7K	5% 1/10W				
				R1277	1-216-833-11	METAL SHIP 10K	5% 1/10W
R092	1-216-829-11	METAL SHIP 4.7K	5% 1/10W	R1280	1-216-037-00	METAL SHIP 330	5% 1/10W
R093	1-216-821-11	METAL SHIP 1K	5% 1/10W	R1281	1-216-037-00	METAL SHIP 330	5% 1/10W
R094	1-216-821-11	METAL SHIP 1K	5% 1/10W	R1286	1-216-833-11	METAL SHIP 10K	5% 1/10W
R095	1-216-829-11	METAL SHIP 4.7K	5% 1/10W	R1287	1-216-037-00	METAL SHIP 330	5% 1/10W
R096	1-216-833-11	METAL SHIP 10K	5% 1/10W				



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R1288	1-216-037-00	METAL SHIP	330 5% 1/10W	*****			
R1289	1-216-037-00	METAL SHIP	330 5% 1/10W				
R1290	1-216-037-00	METAL SHIP	330 5% 1/10W				
R1300	1-218-831-11	METAL SHIP	220 5% 1/10W	* A-1404-607-A E BOARD, MOUNT			
R1301	1-216-833-11	METAL SHIP	10K 5% 1/10W	*****			
R1302	1-216-833-11	METAL SHIP	10K 5% 1/10W				
R1303	1-216-821-11	METAL SHIP	1K 5% 1/10W	<CAPACITOR>			
R1304	1-218-839-11	METAL SHIP	470 5% 1/10W				
R2200	1-211-989-11	METAL SHIP	68 5% 1/10W	C4300	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V
R2201	1-216-829-11	METAL SHIP	4.7K 5% 1/10W	C4302	1-126-933-11	ELECT	100UF 20.00% 16V
R2202	1-216-829-11	METAL SHIP	4.7K 5% 1/10W	C4303	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V
R2203	1-211-989-11	METAL SHIP	68 5% 1/10W	C4304	1-162-964-11	CERAMIC CHIP	0.001UF 10.00% 50V
R2204	1-216-833-11	METAL SHIP	10K 5% 1/10W	C4305	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V
R2205	1-216-845-11	METAL SHIP	100K 5% 1/10W	C4306	1-127-715-91	CERAMIC CHIP	0.22UF 10% 16V
R2206	1-216-855-11	METAL SHIP	680K 5% 1/10W	C4307	1-164-156-11	CERAMIC CHIP	0.1UF 25V
R2207	1-216-828-11	METAL SHIP	3.9K 5% 1/10W	C4308	1-125-891-11	CERAMIC CHIP	0.47UF 10.00% 10V
R2208	1-216-829-11	METAL SHIP	4.7K 5% 1/10W	C4309	1-126-933-11	ELECT	100UF 20.00% 16V
R2209	1-216-855-11	METAL SHIP	680K 5% 1/10W	C4310	1-164-156-11	CERAMIC CHIP	0.1UF 25V
R2210	1-218-887-11	METAL SHIP	47K 5% 1/10W	C4311	1-162-964-11	CERAMIC CHIP	0.001UF 10.00% 50V
R2211	1-216-845-11	METAL SHIP	100K 5% 1/10W	C4312	1-126-933-11	ELECT	100UF 20.00% 16V
R2212	1-216-833-11	METAL SHIP	10K 5% 1/10W	C4313	1-162-968-11	CERAMIC CHIP	0.0047UF 10.00% 50V
R2213	1-218-887-11	METAL SHIP	47K 5% 1/10W	C4315	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V
R2214	1-218-887-11	METAL SHIP	47K 5% 1/10W	C4316	1-126-933-11	ELECT	100UF 20.00% 16V
R2215	1-218-887-11	METAL SHIP	47K 5% 1/10W	C4317	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V
R2216	1-216-829-11	METAL SHIP	4.7K 5% 1/10W	C4318	1-126-933-11	ELECT	100UF 20.00% 16V
R2217	1-216-829-11	METAL SHIP	4.7K 5% 1/10W	C4319	1-164-156-11	CERAMIC CHIP	0.1UF 25V
R2600	1-216-829-11	METAL SHIP	4.7K 5% 1/10W	C4320	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V
R2601	1-218-851-11	METAL CHIP	1.5K 0.5% 1/10W	C4321	1-162-970-11	CERAMIC CHIP	0.01UF 10.00% 25V
R2602	1-218-846-11	METAL CHIP	910 0.5% 1/10W	C4322	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V
R2603	1-218-855-11	METAL CHIP	2.2K 0.5% 1/10W	C4325	1-162-923-11	CERAMIC CHIP	47PF 5.00% 50V
R2604	1-218-855-11	METAL CHIP	2.2K 0.5% 1/10W	C4326	1-126-962-11	ELECT	3.3UF 20.00% 50V
R2605	1-216-829-11	METAL SHIP	4.7K 5% 1/10W	C4327	1-125-891-11	CERAMIC CHIP	0.47UF 10.00% 10V
R2606	1-218-861-11	METAL CHIP	3.9K 0.5% 1/10W	C4328	1-162-923-11	CERAMIC CHIP	47PF 5.00% 50V
R2607	1-218-827-11	METAL CHIP	150 0.5% 1/10W	C4329	1-125-891-11	CERAMIC CHIP	0.47UF 10.00% 10V
R2608	1-218-847-11	METAL CHIP	1K 0.5% 1/10W	C4330	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V
R3212	1-216-864-11	SHORT CHIP	0	C4331	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V
R3213	1-216-864-11	SHORT CHIP	0	C4332	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V
R3214	1-216-864-11	SHORT CHIP	0	C4333	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V
R3300	1-218-841-11	METAL SHIP	560 5% 1/10W	C4334	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V
R3320	1-216-833-11	METAL SHIP	10K 5% 1/10W	C4335	1-164-156-11	CERAMIC CHIP	0.1UF 25V
R3323	1-216-809-11	METAL SHIP	100 5% 1/10W	C4337	1-126-933-11	ELECT	100UF 20.00% 16V
R3334	1-216-809-11	METAL SHIP	100 5% 1/10W	C4338	1-126-963-11	ELECT	4.7UF 20.00% 50V
R3362	1-216-809-11	METAL SHIP	100 5% 1/10W	C4339	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V
R3374	1-216-864-11	SHORT CHIP	0	C4340	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V
		<VARIABLE RESISTOR>		C4341	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V
RV3300	1-241-761-11	RES, ADJ, CARBON 1K		C4342	1-164-156-11	CERAMIC CHIP	0.1UF 25V
		<TUNER>		C4343	1-164-156-11	CERAMIC CHIP	0.1UF 25V
TU101	8-598-452-20	TUNER, FSS BTF-WG442		C4344	1-126-933-11	ELECT	100UF 20.00% 16V
TU3301	8-598-450-10	TUNER, FSS BTF-LG434		C4345	1-126-933-11	ELECT	100UF 20.00% 16V
		<CRYSTAL>		C4348	1-126-933-11	ELECT	100UF 20.00% 16V
X001	1-781-282-51	VIBRATOR, CERAMIC (4MHZ)		C4351	1-127-715-91	CERAMIC CHIP	0.22UF 10% 16V
				C4352	1-110-563-11	CERAMIC CHIP	0.068UF 10.00% 16V
				C4357	1-162-966-11	CERAMIC CHIP	0.0022UF 10.00% 50V
				C4358	1-164-156-11	CERAMIC CHIP	0.1UF 25V
				C4359	1-126-933-11	ELECT	100UF 20.00% 16V
				C4360	1-107-826-11	CERAMIC CHIP	0.1UF 10.00% 16V
				C4361	1-126-933-11	ELECT	100UF 20.00% 16V
				C4362	1-164-156-11	CERAMIC CHIP	0.1UF 25V
				C4363	1-126-933-11	ELECT	100UF 20.00% 16V
				C4364	1-126-933-11	ELECT	100UF 20.00% 16V



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
<CONNECTOR>				R4310	1-216-809-11	METAL SHIP 100	5% 1/10W
CN4300	*1-564-522-11	PLUG, CONNECTOR 7P		R4312	1-218-716-11	METAL CHIP 10K	0.5% 1/10W
CN4301	*1-793-498-11	CONNECTOR BOARD TO BOARD 50P		R4313	1-216-809-11	METAL SHIP 100	5% 1/10W
CN4302	*1-564-506-11	PLUG, CONNECTOR 3P		R4314	1-216-845-11	METAL SHIP 100K	5% 1/10W
CN4303	*1-564-506-11	PLUG, CONNECTOR 3P		R4315	1-216-832-11	METAL SHIP 8.2K	5% 1/10W
CN4304	*1-564-506-11	PLUG, CONNECTOR 3P		R4317	1-216-809-11	METAL SHIP 100	5% 1/10W
CN4305	*1-564-526-11	PLUG, CONNECTOR 11P		R4318	1-216-809-11	METAL SHIP 100	5% 1/10W
<DIODE>				R4319	1-216-809-11	METAL SHIP 100	5% 1/10W
D4300	8-719-081-97	DIODE MMDL914T1		R4320	1-216-809-11	METAL SHIP 100	5% 1/10W
D4301	8-719-081-97	DIODE MMDL914T1		R4321	1-216-809-11	METAL SHIP 100	5% 1/10W
D4302	8-719-081-97	DIODE MMDL914T1		R4322	1-218-841-11	METAL SHIP 560	5% 1/10W
D4304	8-719-025-31	DIODE 02CZ5.6-TE85L		R4323	1-216-809-11	METAL SHIP 100	5% 1/10W
D4305	8-719-081-97	DIODE MMDL914T1		R4324	1-216-809-11	METAL SHIP 100	5% 1/10W
D4312	8-719-081-97	DIODE MMDL914T1		R4325	1-216-805-11	METAL SHIP 47	5% 1/10W
<IC>				R4326	1-218-849-11	METAL SHIP 1.2K	5% 1/10W
IC4300	8-752-102-68	IC CXA2170Q		R4327	1-216-825-11	METAL SHIP 2.2K	5% 1/10W
IC4301	8-759-576-72	IC LF50CDT-TR		R4328	1-218-849-11	METAL SHIP 1.2K	5% 1/10W
<COIL>				R4329	1-216-809-11	METAL SHIP 100	5% 1/10W
L4300	1-469-555-21	INDUCTOR 10UH		R4330	1-218-849-11	METAL SHIP 1.2K	5% 1/10W
L4301	1-469-555-21	INDUCTOR 10UH		R4331	1-216-809-11	METAL SHIP 100	5% 1/10W
L4302	1-469-555-21	INDUCTOR 10UH		R4332	1-216-826-11	METAL SHIP 2.7K	5% 1/10W
L4303	1-469-555-21	INDUCTOR 10UH		R4333	1-218-849-11	METAL SHIP 1.2K	5% 1/10W
L4304	1-469-555-21	INDUCTOR 10UH		R4334	1-216-827-11	METAL SHIP 3.3K	5% 1/10W
L4305	1-469-555-21	INDUCTOR 10UH		R4335	1-216-809-11	METAL SHIP 100	5% 1/10W
L4306	1-469-555-21	INDUCTOR 10UH		R4336	1-216-826-11	METAL SHIP 2.7K	5% 1/10W
L4308	1-469-555-21	INDUCTOR 10UH		R4337	1-218-867-11	METAL SHIP 6.8K	5% 1/10W
<TRANSISTOR>				R4338	1-216-809-11	METAL SHIP 100	5% 1/10W
Q4300	8-729-905-35	TRANSISTOR 2SC4081T106R		R4339	1-218-708-11	METAL CHIP 4.7K	0.5% 1/10W
Q4301	8-729-905-35	TRANSISTOR 2SC4081T106R		R4340	1-216-809-11	METAL SHIP 100	5% 1/10W
Q4302	8-729-905-35	TRANSISTOR 2SC4081T106R		R4341	1-216-833-11	METAL SHIP 10K	5% 1/10W
Q4303	8-729-905-35	TRANSISTOR 2SC4081T106R		R4343	1-216-809-11	METAL SHIP 100	5% 1/10W
Q4305	8-729-905-35	TRANSISTOR 2SC4081T106R		R4344	1-216-864-11	SHORT CHIP 0	
Q4306	8-729-122-63	TRANSISTOR 2SA1226-T1E4		R4345	1-216-809-11	METAL SHIP 100	5% 1/10W
Q4307	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR		R4346	1-216-829-11	METAL SHIP 4.7K	5% 1/10W
Q4309	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR		R4347	1-216-809-11	METAL SHIP 100	5% 1/10W
Q4311	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR		R4348	1-216-823-11	METAL SHIP 1.5K	5% 1/10W
Q4312	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR		R4349	1-218-831-11	METAL SHIP 220	5% 1/10W
Q4313	8-729-122-63	TRANSISTOR 2SA1226-T1E4		R4350	1-216-809-11	METAL SHIP 100	5% 1/10W
Q4314	8-729-905-35	TRANSISTOR 2SC4081T106R		R4351	1-216-863-11	METAL SHIP 3.3M	5% 1/10W
Q4316	8-729-122-63	TRANSISTOR 2SA1226-T1E4		R4352	1-218-831-11	METAL SHIP 220	5% 1/10W
Q4317	8-729-905-35	TRANSISTOR 2SC4081T106R		R4353	1-216-809-11	METAL SHIP 100	5% 1/10W
Q4319	8-729-122-63	TRANSISTOR 2SA1226-T1E4		R4354	1-218-831-11	METAL SHIP 220	5% 1/10W
<RESISTOR>				R4355	1-216-809-11	METAL SHIP 100	5% 1/10W
R4300	1-216-809-11	METAL SHIP 100	5% 1/10W	R4356	1-216-809-11	METAL SHIP 100	5% 1/10W
R4301	1-216-809-11	METAL SHIP 100	5% 1/10W	R4357	1-216-809-11	METAL SHIP 100	5% 1/10W
R4302	1-216-809-11	METAL SHIP 100	5% 1/10W	R4358	1-216-809-11	METAL SHIP 100	5% 1/10W
R4303	1-216-864-11	SHORT CHIP 0		R4364	1-216-829-11	METAL SHIP 4.7K	5% 1/10W
R4304	1-216-864-11	SHORT CHIP 0		R4365	1-216-829-11	METAL SHIP 4.7K	5% 1/10W
R4305	1-216-864-11	SHORT CHIP 0		R4367	1-216-829-11	METAL SHIP 4.7K	5% 1/10W
R4306	1-216-829-11	METAL SHIP 4.7K	5% 1/10W	R4369	1-216-825-11	METAL SHIP 2.2K	5% 1/10W
R4308	1-216-864-11	SHORT CHIP 0		R4370	1-216-825-11	METAL SHIP 2.2K	5% 1/10W
R4309	1-216-809-11	METAL SHIP 100	5% 1/10W	R4371	1-216-829-11	METAL SHIP 4.7K	5% 1/10W
<CONNECTOR>				R4372	1-216-809-11	METAL SHIP 100	5% 1/10W
<DIODE>				R4373	1-216-829-11	METAL SHIP 4.7K	5% 1/10W
<IC>				R4376	1-216-833-11	METAL SHIP 10K	5% 1/10W
<COIL>				R4377	1-218-835-11	METAL SHIP 330	5% 1/10W
<TRANSISTOR>				R4378	1-216-825-11	METAL SHIP 2.2K	5% 1/10W
<RESISTOR>				R4379	1-216-809-11	METAL SHIP 100	5% 1/10W
<CONNECTOR>				R4380	1-216-825-11	METAL SHIP 2.2K	5% 1/10W
<DIODE>				R4383	1-216-833-11	METAL SHIP 10K	5% 1/10W
<IC>				R4384	1-216-825-11	METAL SHIP 2.2K	5% 1/10W
<COIL>				R4385	1-216-825-11	METAL SHIP 2.2K	5% 1/10W
<TRANSISTOR>							
<RESISTOR>							



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R4387	1-216-825-11	METAL SHIP 2.2K	5% 1/10W			<CONNECTOR>	
R4388	1-216-837-11	METAL SHIP 22K	5% 1/10W				
R4389	1-218-855-11	METAL CHIP 2.2K	0.5% 1/10W				
R4391	1-216-825-11	METAL SHIP 2.2K	5% 1/10W				
R4392	1-216-825-11	METAL SHIP 2.2K	5% 1/10W				
R4393	1-216-833-11	METAL SHIP 10K	5% 1/10W			<DIODE>	
R4394	1-216-809-11	METAL SHIP 100	5% 1/10W	D1800	8-719-069-56	DIODE UDZSTE-176.2B	
R4395	1-216-833-11	METAL SHIP 10K	5% 1/10W	D1801	8-719-069-56	DIODE UDZSTE-176.2B	
R4396	1-216-864-11	SHORT CHIP 0		D1802	8-719-069-56	DIODE UDZSTE-176.2B	
R4397	1-216-825-11	METAL SHIP 2.2K	5% 1/10W	D1803	8-719-069-56	DIODE UDZSTE-176.2B	
R4399	1-216-825-11	METAL SHIP 2.2K	5% 1/10W	D1804	8-719-069-56	DIODE UDZSTE-176.2B	
R4400	1-216-825-11	METAL SHIP 2.2K	5% 1/10W	D1805	8-719-069-56	DIODE UDZSTE-176.2B	
R4401	1-218-855-11	METAL CHIP 2.2K	0.5% 1/10W	D1806	8-719-064-11	DIODE SPR-325MVW	
R4404	1-216-825-11	METAL SHIP 2.2K	5% 1/10W	D1807	8-719-050-84	DIODE RB441Q-40T-77	
R4405	1-216-821-11	METAL SHIP 1K	5% 1/10W	D1808	8-719-050-84	DIODE RB441Q-40T-77	
R4407	1-216-825-11	METAL SHIP 2.2K	5% 1/10W			<IC>	
R4409	1-216-825-11	METAL SHIP 2.2K	5% 1/10W				
R4410	1-216-825-11	METAL SHIP 2.2K	5% 1/10W	IC1800	8-742-211-20	HYB IC SBX3071-71	
R4412	1-216-825-11	METAL SHIP 2.2K	5% 1/10W			<TRANSISTOR>	
R4413	1-218-855-11	METAL CHIP 2.2K	0.5% 1/10W				
R4414	1-216-809-11	METAL SHIP 100	5% 1/10W				
R4415	1-218-911-11	METAL SHIP 470K	5% 1/10W				
R4419	1-216-803-11	METAL SHIP 33	5% 1/10W	Q1800	8-729-030-02	TRANSISTOR DTC144ESA-TP	
R4420	1-216-803-11	METAL SHIP 33	5% 1/10W	Q1801	8-729-030-02	TRANSISTOR DTC144ESA-TP	
R4421	1-216-803-11	METAL SHIP 33	5% 1/10W			<RESISTOR>	
R4496	1-218-863-11	METAL CHIP 4.7K	0.5% 1/10W				
R4497	1-218-863-11	METAL CHIP 4.7K	0.5% 1/10W				
R4498	1-218-863-11	METAL CHIP 4.7K	0.5% 1/10W	R1800	1-216-809-11	METAL SHIP 100	5% 1/10W
R4499	1-216-809-11	METAL SHIP 100	5% 1/10W	R1801	1-218-835-11	METAL SHIP 330	5% 1/10W
		<CRYSTAL>		R1802	1-216-833-11	METAL SHIP 10K	5% 1/10W
X4300	* 1-760-895-21	VIBRATOR, CERAMIC (4MHz)		R1803	1-218-835-11	METAL SHIP 330	5% 1/10W
		*****		R1804	1-216-833-11	METAL SHIP 10K	5% 1/10W
		*A-1400-759-A SR BOARD, MOUNT					
		*****		R1805	1-216-805-11	METAL SHIP 47	5% 1/10W
		<CONNECTOR>		R1806	1-216-809-11	METAL SHIP 100	5% 1/10W
CN9901	1-564-506-11	PLUG, CONNECTOR 3P		R1807	1-216-809-11	METAL SHIP 100	5% 1/10W
		<DIODE>		R1808	1-216-809-11	METAL SHIP 100	5% 1/10W
D9902	8-719-069-55	DIODE UDZSTE-175.6B		R1809	1-218-849-11	METAL SHIP 1.2K	5% 1/10W
		<BATTERY>					
SB9901	1-756-295-11	BATTERY, SOLAR		R1810	1-216-820-11	METAL SHIP 820	5% 1/10W
		*****		R1811	1-216-821-11	METAL SHIP 1K	5% 1/10W
		* A-1401-208-A H2 BOARD, MOUNT		R1812	1-218-849-11	METAL SHIP 1.2K	5% 1/10W
		*****		R1813	1-216-824-11	METAL SHIP 1.8K	5% 1/10W
		<CAPACITOR>					
C1800	1-124-589-11	ELECT 47UF	20.00% 16V	R1814	1-216-827-11	METAL SHIP 3.3K	5% 1/10W
C1801	1-124-589-11	ELECT 47UF	20.00% 16V	R1815	1-216-826-11	METAL SHIP 2.7K	5% 1/10W
C1802	1-164-315-11	CERAMIC CHIP 470PF	2.00% 50V	R1816	1-216-832-11	METAL SHIP 8.2K	5% 1/10W
						<SWITCH>	
				S1800	1-762-196-21	SWITCH, KEYBOARD (AUTO REG)	
				S1801	1-762-196-21	SWITCH, KEYBOARD (PRG +)	
				S1802	1-762-196-21	SWITCH, KEYBOARD (PRG -)	
				S1803	1-762-196-21	SWITCH, KEYBOARD (VOL +)	
				S1804	1-762-196-21	SWITCH, KEYBOARD (VOL -)	
				S1805	1-762-196-21	SWITCH, KEYBOARD (TV/VIDEO)	
				S1806	1-762-196-21	SWITCH, KEYBOARD (ENTER)	
				S1807	1-762-196-21	SWITCH, KEYBOARD (MENU)	

The components identified by shading
 and mark Δ are critical for safety.
 Replace only with part number specified.



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
*****				MISCELLANEOUS *****			
	* A-1401-207-A	H1 BOARD, MOUNT *****		Δ 1-451-537-13	DEFLECTION YOKE		
		<CONNECTOR>		Δ 1-451-557-05	CRT P16LXL00BMB (U)		
CN1700	*1-580-844-11	PIN, CONNECTOR (POWER)		Δ 1-451-558-05	CRT P16LXL00HHA (U)		
CN1701	*1-580-844-11	PIN, CONNECTOR (POWER)		Δ 1-451-559-05	CRT P16LXL00RFA (U)		
		<SWITCH>		1-528-864-11	BATTERY, SOLAR		
S1700	Δ 1-571-433-21	SWITCH, PUSH (AC POWER)		* 1-555-110-00	CABLE, PIN		
*****				Δ 1-757-345-11	POWER, CORD (WITH FILTER) (KP-FX43M31/FX53M31)		
	* A-1401-488-A	H3 BOARD, MOUNT *****		Δ 1-791-439-11	POWER, CORD (WITH CONNECTOR) (KP-FX43M61/M91,FX53M61/M91)		
		<CAPACITOR>		1-825-201-11	LOUDSPEAKER (12 CM) (KP-FX43M31/M61/M91)		
C1930	1-130-483-00	MYLAR 0.01UF 5.00% 50V		1-825-202-11	LOUDSPEAKER (2.8 CM) (KP-FX43M31/M61/M91)		
C1932	1-130-483-00	MYLAR 0.01UF 5.00% 50V		1-825-203-11	LOUDSPEAKER (16 CM) (KP-FX53M31/M61/M91)		
		<CONNECTOR>		1-825-204-11	LOUDSPEAKER (10 CM) (KP-FX53M31/M61/M91)		
CN1932	*1-564-521-11	PLUG, CONNECTOR 6P		Δ 8-598-955-32	BLOCK ASSY, HV HVB-1031		
CN1934	*1-564-524-11	PLUG, CONNECTOR 9P		ACCESSORIES AND PACKING MATERIALS *****			
		<DIODE>		* 4-041-423-11	SHEET, PROTECTION (KP-FX43M31/M61/M91)		
D1930	8-719-929-15	DIODE RD9.1ES-T1B		* 4-055-672-01	BAG, PROTECTION (KP-FX53M31/M61/M91)		
		<JACK>		* 4-055-673-01	SHEET, PROTECTION (KP-FX53M31/M61/M91)		
J1931	1-691-293-31	JACK (HEADPHONR)		* 4-081-035-01	JOINT		
J1932	1-750-517-11	JACK BLOCK, PIN 3P (VIDEO IN4)		* 4-088-937-01	TRAY(KP-FX43M31/M61/M91)		
J1933	1-565-665-12	TERMINAL, S 4P (VIDEO IN4)		* 4-088-938-01	BOARD, BOTTOM (KP-FX43M31/M61/M91)		
		<COIL>		* 4-089-318-01	TRAY (KP-FX53M31/M61/M91)		
L1931	1-408-603-31	INDUCTOR 10UH		* 4-089-319-02	BOARD, TOP (KP-FX53M31/M61/M91)		
L1932	1-408-603-31	INDUCTOR 10UH		* 4-089-320-01	BOARD, BOTTOM (KP-FX53M31/M61/M91)		
		<RESISTOR>		* 4-090-211-01	INDIVIDUAL CARTON (KP-FX53M31/M61/M91)		
R1934	1-216-809-11	METAL SHIP 100 5% 1/10W		* 4-090-212-01	CUSHION (UPPER) (KP-FX53M31/M61/M91)		
R1935	1-216-809-11	METAL SHIP 100 5% 1/10W		* 4-090-213-01	CUSHION (LOWER) (KP-FX53M31/M61/M91)		
R1948	1-216-864-11	SHORT CHIP 0		* 4-090-214-01	INDIVIDUAL CARTON (KP-FX43M31/M61/M91)		
R1949	1-216-864-11	SHORT CHIP 0		* 4-375-488-11	BAG, PROTECTION (KP-FX43M31/M61/M91)		
R1951	1-216-864-11	SHORT CHIP 0		* 4-490-215-01	CUSHION (UPPER) (KP-FX43M31/M61/M91)		
R1952	1-216-825-11	METAL SHIP 2.2K 5% 1/10W		* 4-090-216-01	CUSHION (LOWER) (KP-FX43M31/M61/M91)		
*****				4-090-470-12	MANUAL, INSTRUCTION		
*****				REMOTE COMMANDER *****			
*****				1-477-377-11	REMOTE COMMANDER (RM-998)		
*****				9-885-019-97	COVER, BATTERY(FOR RM-998)		

Projection TV

Operating Instructions **GB**

- Before operating the unit, please read this manual thoroughly and retain it for future reference.

Mode d'emploi **FR**

- Avant de faire fonctionner cet appareil, lisez attentivement le présent mode d'emploi et conservez-le pour toute référence ultérieure.

使用説明書 **CT**

- 使用本電視機之前請先詳細閱讀此手冊，並妥善保存以備日後用作參考。

使用说明书 **CS**

- 使用本电视机之前请先详细阅读此手册，并妥善保存以备日后用作参考。

دفترچه راهنما **PR**

- قبل از تنظیم کردن دستگاه، لطفا دفترچه راهنما را با دقت بخوانید و به منظور مراجعه بعدی ان را نگه دارید.

تعليمات التشغيل **AR**

- قبل تشغيل الجهاز، نرجى قراءة هذا الدليل بصورة كاملة والاحتفاظ به للمراجعة مستقبلا.

Projection TV

WEGA

KP-FX53

KP-FX43

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M61

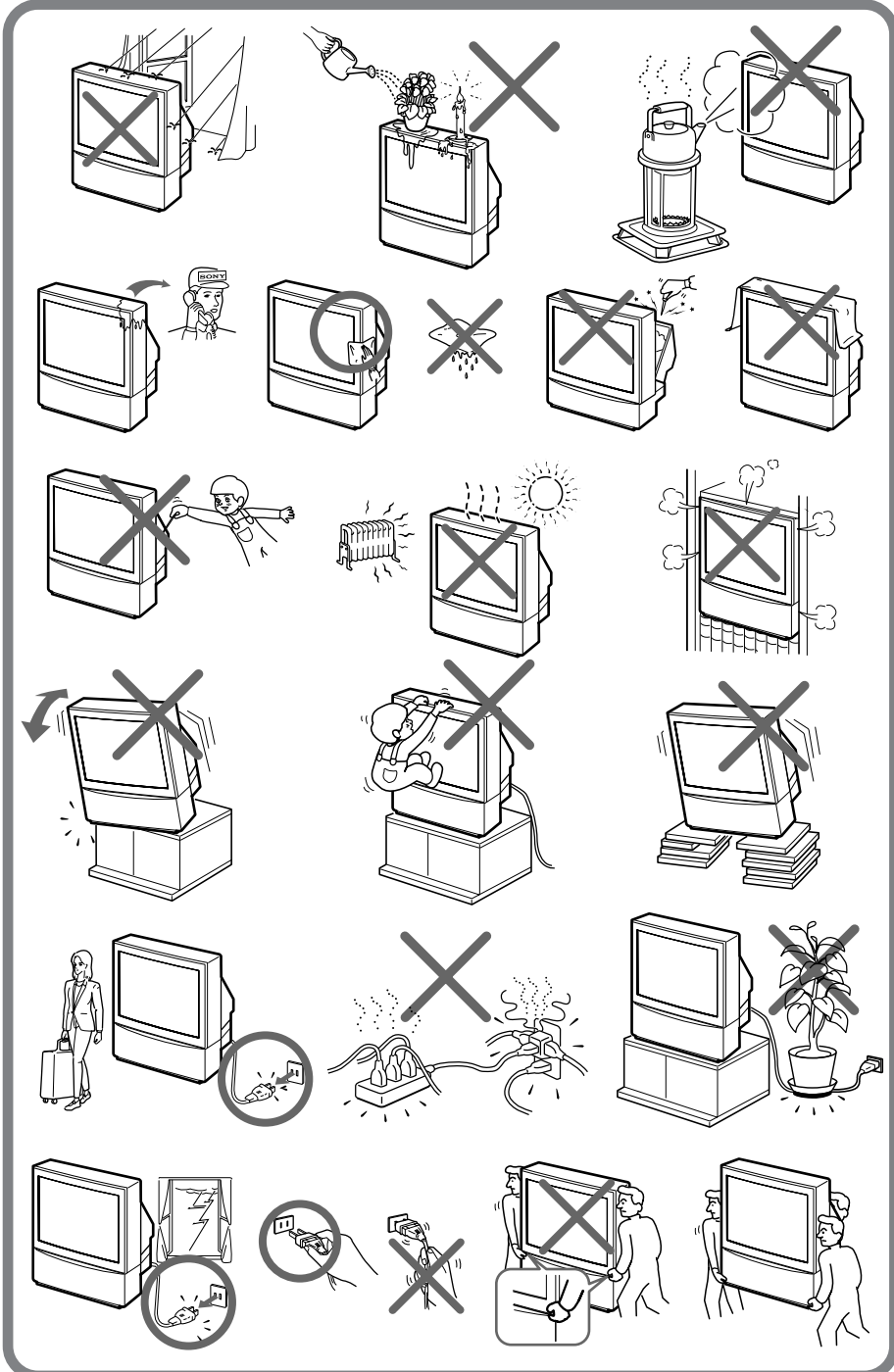


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The features you will enjoy include:

- "DRC-MF" for viewing higher quality pictures (page 19)
- "TWIN" for viewing two programs (page 20)
- "PROGRAM INDEX" for displaying multiple programs (page 23)
- "PICTURE MODE"/"SOUND MODE"/"SURROUND" for customizing your projection TV (pages 18 and 25)
- "WIDE MODE" to view 16:9 pictures (page 37)

Your projection TV also offers the following features:

- Initial Setup function for on-screen language selection, automatic channel presetting and automatic convergence adjustment. (page 8)
- Menu language options
 - English/Chinese/Arabic (page 42)
- "CHILD LOCK" for locking out specific channels (page 48)
- "INTELLIGENT VOL" for automatic volume adjustment (page 39)
- "FINE" tuning feature (page 46)
- Button Joystick  on the remote control for easier operation (page 35)
- "ECO MODE" to save energy (page 43)
- "GAME MODE" for video games (page 37)

WARNING

To prevent fire or shock hazard, do not expose the projection TV to rain or moisture. Dangerously high voltages are present inside the projection TV. Do not open the cabinet. Refer servicing to qualified personnel only.

For general safety:

- Do not expose the projection TV to rain or moisture.
- Do not open the rear cover.

For safe installation:

- Do not block the ventilation openings.
- Do not install the projection TV in hot, humid or excessively dusty places.
- Do not install the projection TV where it may be exposed to mechanical vibrations.
- Avoid operating the projection TV at temperatures below 5 C (41 F).
- If the projection TV is transported directly from a cold to a warm location, or if the room temperature has changed suddenly, the picture may be blurred or show poor color. This is because moisture has condensed on the mirror or lenses inside. If this happens, let the moisture evaporate before using the projection TV.
- To obtain the best picture, do not expose the screen to direct illumination or direct sunlight. It is recommended to use spot lighting directed down from the ceiling or to cover the windows that face the screen with opaque drapery. It is desirable to install the projection TV in a room where the floor and walls are not of reflecting material. If necessary, cover them with dark carpeting or wall paper.
- Do not install the appliance in a confined space, such as a bookcase or built-in cabinet.

For safe operations:

- Do not operate the projection TV on anything but 110 - 240 V AC, 50/60 Hz.
- Do not operate the projection TV if any liquid or solid object falls in it—have it checked immediately.
- Do not keep the projection TV plugged in if you are not going to use it for several days.
- Do not pull the power cord to disconnect the projection TV. Pull it out by the plug.
- Do not plug in too many appliances to the same power socket. Do not damage the power cord.
- Do not place any object on the projection TV.
- Install the projection TV on a stable projection TV stand and floor which can support the projection TV set weight. Ensure that the projection TV stand surface is flat and its area is larger than the bottom area of the projection TV.
- Do not carry the projection TV holding the screen edges.

Caution

- When using TV games, computers, and similar products with your projection TV, keep the brightness and contrast functions at low settings. If a fixed (non-moving) pattern is left on the screen for long periods of time at a high brightness or contrast setting, the image can be permanently imprinted onto the screen. These types of imprints are not covered by your warranty.

Cleaning the Screen

- To clean the screen with a cloth, please use a soft cloth lightly moistened with a mild detergent solution or water. Do not use any type of abrasive pad, alkaline cleaner, scouring powder or solvent, such as alcohol or benzine. As a safety precaution, unplug the TV before cleaning it.
- Do not rub, touch, or tap the surface of the screen with sharp or abrasive items, like a ball point pen or a screw driver. Otherwise, this type or contact may result in a scratched screen.

Using Your New Projection TV

Getting Started

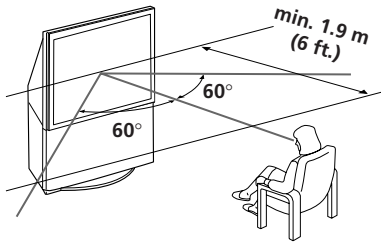
Step 1

Install the projection TV

For the best picture quality, install the projection TV within the areas below.

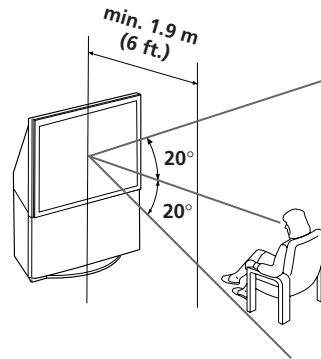
Optimum viewing area (Horizontal)

KP-FX43

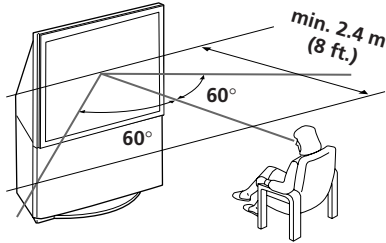


Optimum viewing area (Vertical)

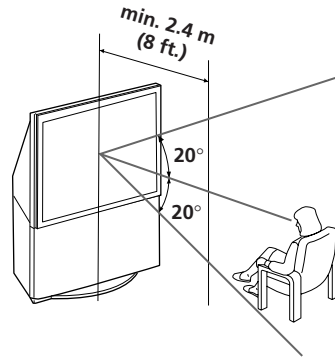
KP-FX43



KP-FX53



KP-FX53



Using Your New Projection TV

continued

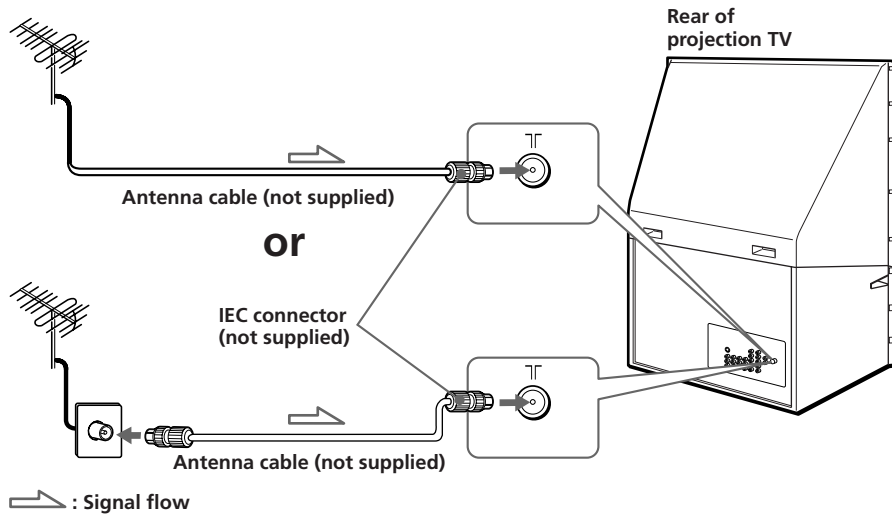
Using Your New Projection TV | 5

Getting Started (continued)

Step 2

Connect the antenna

If you wish to connect a VCR, see the "Connecting a VCR" diagram on page 7.

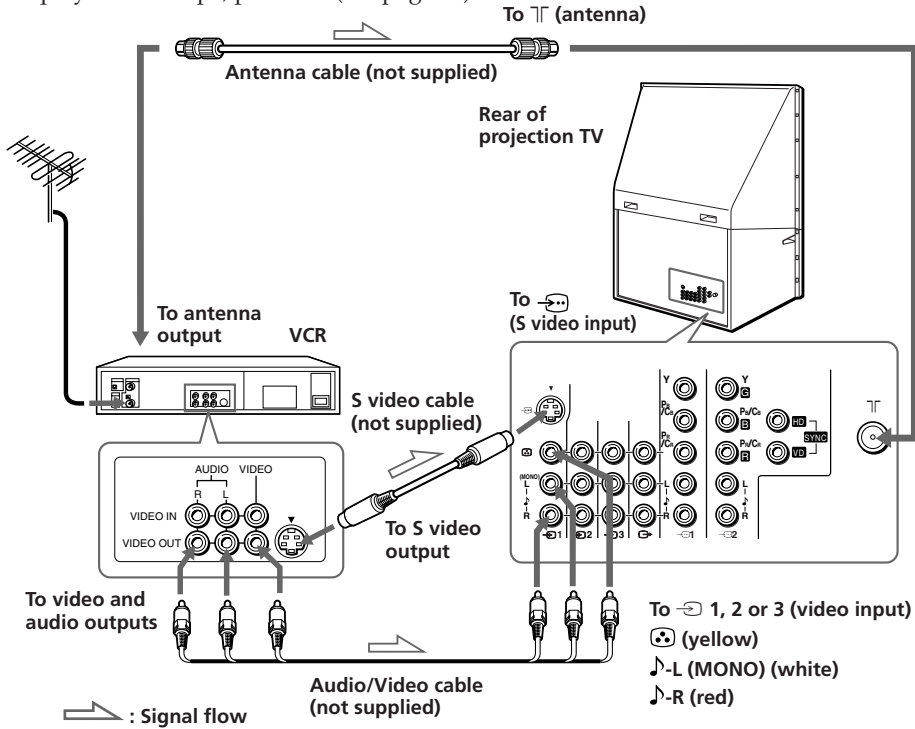


CAUTION

Do not connect the power cord until all other connections are complete, otherwise, a minimal current leakage through the antenna and/or other terminals to the ground could occur.

Connecting a VCR

To play a video tape, press (see page 16).

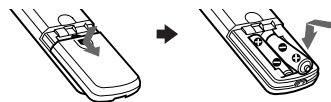


Notes

- If you connect a monaural VCR, connect the yellow plug to ● (the yellow jack) and the black plug to ♩-L (MONO) (the white jack).
- If you connect a VCR to the Γ (antenna) terminal, preset the signal output from the VCR to the program number 0 on the projection TV.
- When both the \rightarrow (S video input) and \rightarrow 1 (video input) are connected, the \rightarrow (S video input) is automatically selected. To view the video input to \rightarrow 1 (video input), disconnect the S video cable.

Step 3

Insert the batteries into the remote



Note

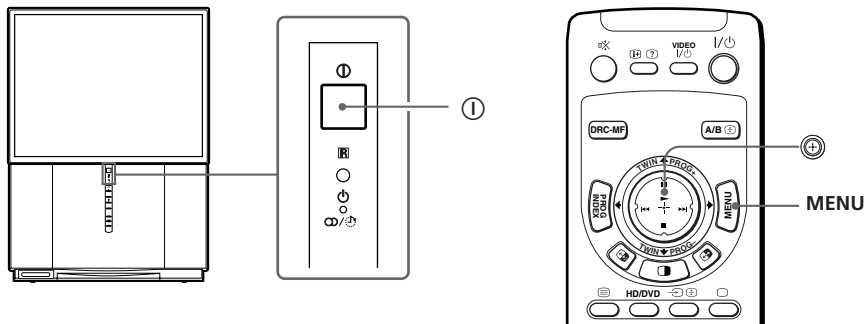
- Do not use old batteries or different types of batteries together.

continued

Getting Started (continued)

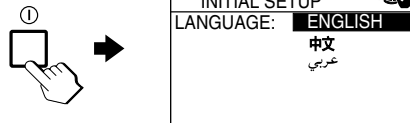
Step 4

Setting up your projection TV automatically



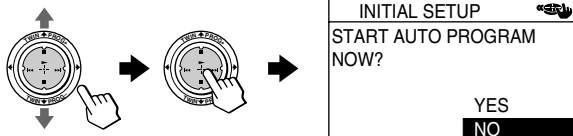
1 Press 1 to turn on the projection TV.

The "INITIAL SETUP" menu appears, and you can select the on-screen language.



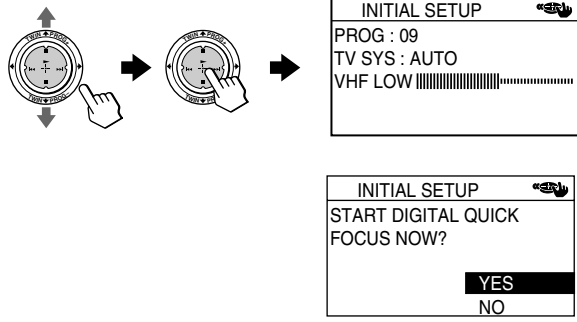
2 Move 2 up or down to select the desired language, then press 3.

The automatic channel presetting menu appears.



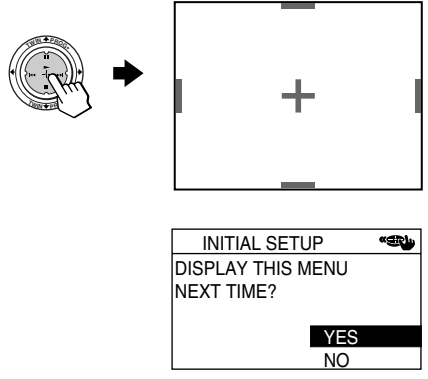
3 Move **⊕** up or down to select "YES", then press **⊕** to preset the channel automatically.

The screen will indicate automatic presetting is in progress.
After channel presetting is complete, automatic convergence adjustment menu appears.



4 Make sure that "YES" is selected, then press **⊕**.

The convergence adjustment screen appears, and the convergence is automatically adjusted. The last "INITIAL SETUP" menu appears.



5 Move **⊕** up or down to select "NO", then press **⊕**.

The "INITIAL SETUP" menu will not appear again the next time you turn on the projection TV by pressing **Ⓚ**.
To allow this menu to appear again, select "YES", then press **⊕**.

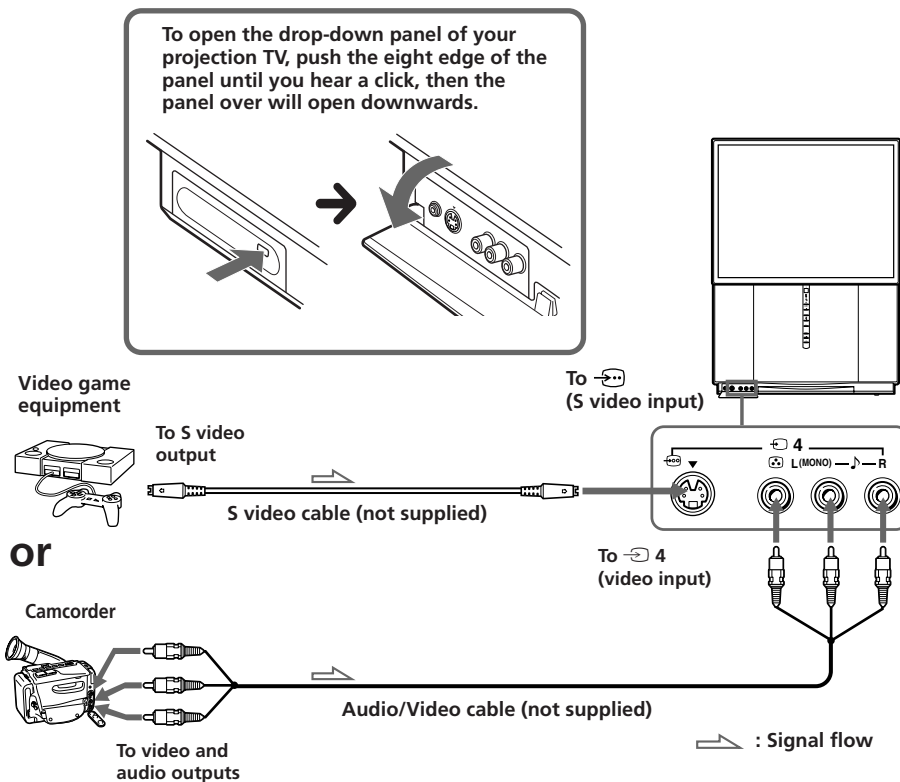
Notes

- If you want to cancel any setup, move **⊕** up or down to select NO and press **Ⓚ**, or press MENU.
- If your projection TV has preset an unwanted channel or cannot preset a particular channel, then preset your projection TV manually (see page 45).
- Convergence is also adjusted manually using the menu (see page 44.)
- You can also perform the Digital Quick Focus feature using **⊕** on the front panel of the projection TV.
- Sound will mute while the Digital Quick Focus feature is running.






Connecting optional components

You can connect optional audio/video components, such as a VCR, a DTV (Digital Television) Receiver, multi disc player, camcorder, video game, or stereo system. To watch and operate the connected equipment, see pages 16 and 30.

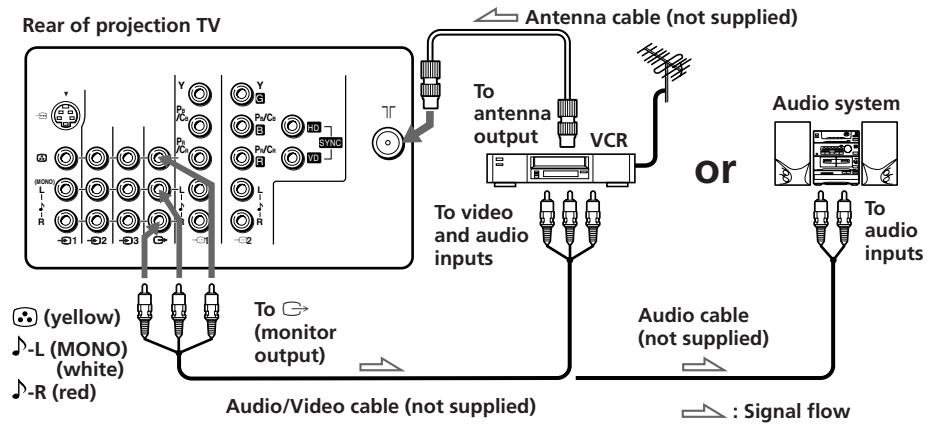
Connecting a camcorder/video game equipment using the (video input) jacks



Notes


- When connecting video game equipment, display the "PICTURE" menu and select "ON" for "GAME MODE" to adjust the picture setting that is suitable for video games (see page 37).
- You can also connect video equipment to the  1, 2, or 3 (video input) jacks at the rear of your projection TV.
- When both the  (S video input) and  4 (video input) are connected, the  (S video input) is automatically selected. To view the video input to  4 (video input), disconnect the S video cable.

Connecting audio/video equipment using the (monitor output) jacks



Using Your New Projection TV







Note

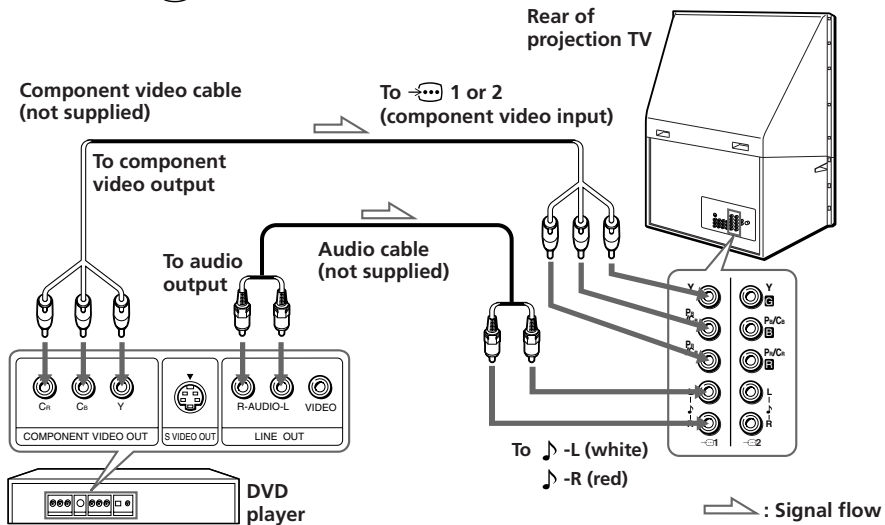
- If you select "HD/DVD 1" or "HD/DVD 2" on your TV screen, sound will be heard but no picture will be output from  (monitor output) (see page 16).

continued

Connecting optional components (continued)

Connecting a DVD player to (component video input)




- 1 Using an audio cable, connect R and L under  1 or 2 (component video input) on your projection TV to the LINE OUT, AUDIO R and L output connectors on your DVD player.
- 2 Using a component video cable, connect Y, P_B/C_B, and P_R/C_R under  1 or 2 (component video input) on your projection TV to the COMPONENT VIDEO OUT Y, C_B, and C_R output connectors on your DVD player.
- 3 Press  or HD/DVD on the remote or  on the projection TV until "HD/DVD 1" appears on the screen if you connect your DVD player to  1, or "HD/DVD 2" for connection to  2.



Notes

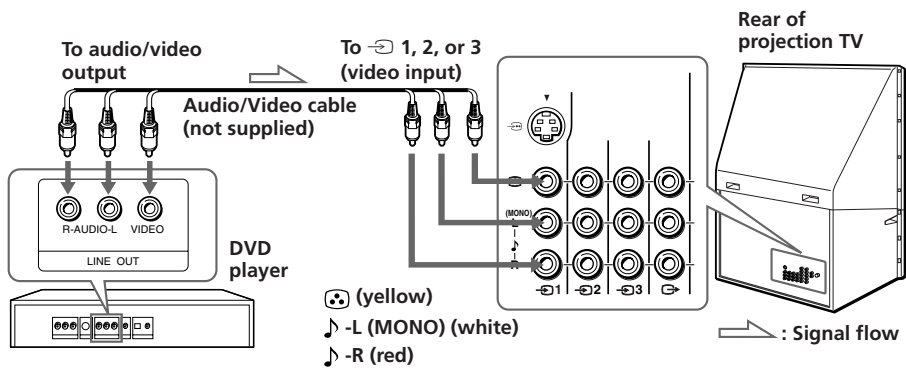
- Some DVD player terminals may be labeled differently:

Connect	To (on the DVD player)
Y (green)	Y
P _B /C _B (blue)	C _b , B-Y or P _B
P _R /C _R (red)	C _r , R-Y or P _R


- Connect nothing to the HD/VD jacks when connecting a DVD player to  1 or 2 (component video input).
- If you select "HD/DVD 1" or "HD/DVD 2" on your projection TV screen, sound will be heard but no picture will be output from  (monitor output). This does not indicate a malfunction.
- When receiving a progressive signal through  (component video input), TWIN pictures and PROGRAM INDEX features are not available, and "DRC-MF" and "GAME MODE" are not selectable.

Connecting a DVD player to (video input)

Connect , 1, 2, or 3 (video input)  (audio/video) connectors on your projection TV to LINE OUT on your DVD player.



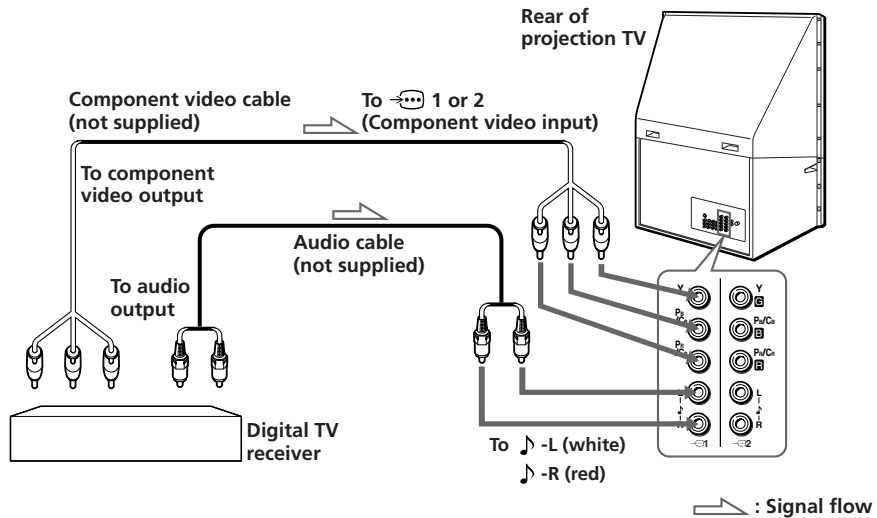
Notes

- Since the high quality pictures on a DVD disc contain a lot of information, picture noise may appear. In this case, adjust the sharpness ("SHARP") under "ADJUST" in the "PICTURE MODE" menu (see page 38).
- You can also connect a DVD player to  (S video input) on the projection TV.

continued

Connecting optional components (continued)

Connecting a DTV (digital television) receiver to 1 or 2 (component video input) jacks



Notes

- The projection TV is equipped with the G/B/R/HD/VD inputs. If your DTV receiver is not equipped with the Y/P_B/P_R output connectors, use the G/B/R/HD/VD connectors.
- 1 can be used as the Y/P_B/P_R inputs.
- 2 can be used as the Y/P_B/P_R or G/B/R/HD/VD inputs. Connect nothing to the HD/VD connectors when using the Y/P_B/P_R inputs.

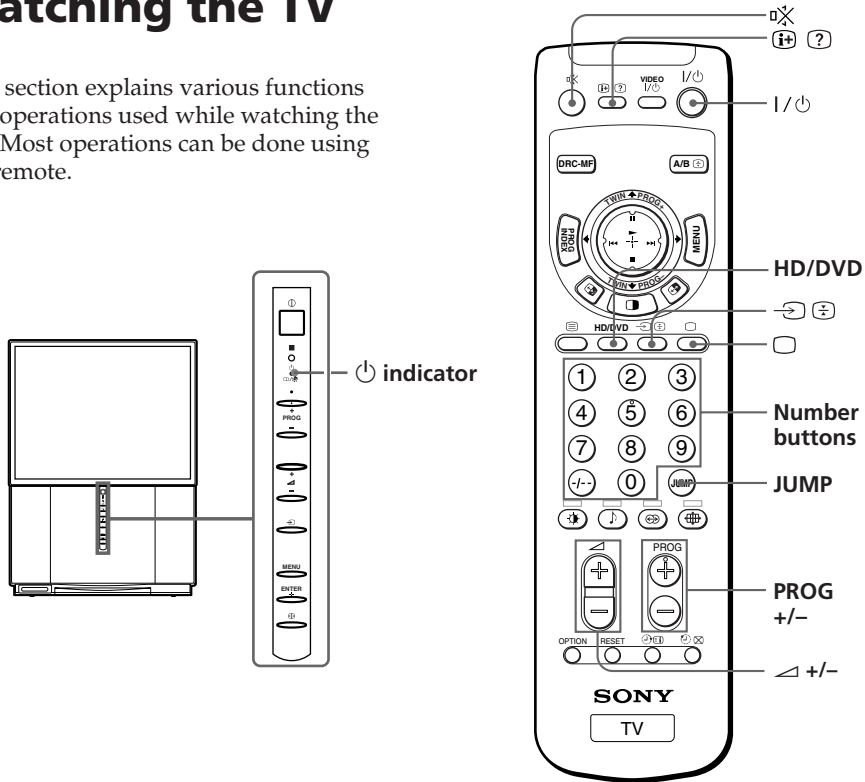
Tip

- The projection TV accepts the following signal formats:

Total scanning line	Effective scanning line	fV (Hz)
1125i	1080i	50/60
750p	720p	50/60
625p	576p	50
625i	576i	50
525p	480p	60
525i	480i	60

Watching the TV

This section explains various functions and operations used while watching the TV. Most operations can be done using the remote.



Using Your New Projection TV

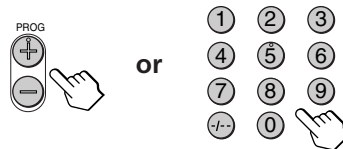
1 Press **⏻** to turn on the projection TV.

When the projection TV is in standby mode (the **⏻** indicator on the projection TV is lit red), press **I/⏻** on the remote.



2 Press **PROG +/-** or the number buttons to select the TV channel.

For double digit numbers, press **-/-**, then the number (e.g., for 25, press **-/-**, then 2 and 5).



Note

- When you turn on the projection TV, either the program number or video mode is displayed for approximately 40 seconds. The ECO MODE (ECO) icon will also appear if "ECO MODE" in the "SETUP" menu is set "ON" (see page 43).

continued

Watching the TV (continued)

To select a TV program quickly

- (1) Press and hold PROG +/-.
- (2) Release PROG +/- when the desired program number appears.

Note

- When you select a TV program quickly, the picture may be disrupted. This does not indicate a malfunction.

Additional tasks

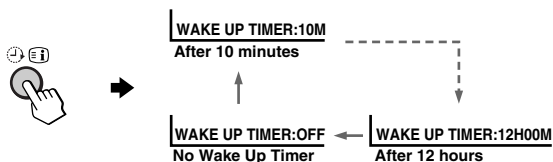
To	Press
Turn off temporarily	I/⏻. The ⏻ indicator on the projection TV lights up red.
Turn off completely	Ⓛ on the projection TV.
Adjust the volume	⏮ +/-.
Mute the sound	⏸.
Watch the video input (VCR, camcorder, etc.)	⏮ (or ⏭) on the projection TV to select "VIDEO 1", "VIDEO 2", "VIDEO 3", "VIDEO 4", "HD/DVD 1" or "HD/DVD 2". To return to the TV screen, press ⏻ (or ⏮ on the projection TV).
Watch the component input (DVD, DTV receiver)	HD/DVD to select "HD/DVD 1" or "HD/DVD 2". To return to the TV screen, press ⏻ (or ⏮ on the projection TV).
Jump back to the previous channel	JUMP.
Display the on-screen information*	Ⓛ.

- * Some picture/sound settings, and either the program number or video mode are displayed. The on-screen display for the picture/sound settings disappears after about 3 seconds.

Setting the Wake Up timer

- 1 Press until the desired period of time appears.

The Wake Up timer starts immediately after you have set it.



- 2 Select the TV channel or video mode you want to wake up to.

- 3 Press , or set the Sleep timer if you want the projection TV to turn off automatically.

The indicator on the projection TV lights up orange.

To cancel the Wake Up timer

Press until "WAKE UP TIMER: OFF" appears, or press on the projection TV to turn it off.

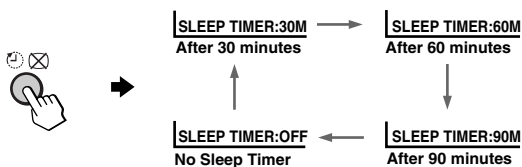
Note

- If no buttons or controls are pressed for more than two hours after the projection TV is turned on using the Wake Up timer, the projection TV automatically goes into standby mode. To resume watching the TV, press any button on the projection TV or the remote.

Setting the Sleep timer

Press until the desired period of time appears.

The Sleep timer starts immediately after you have set it.



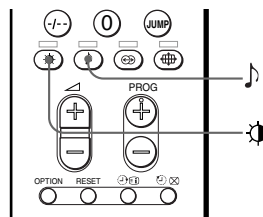
To cancel the Sleep timer

Press until "SLEEP TIMER: OFF" appears, or turn the projection TV off.


Advanced Operations

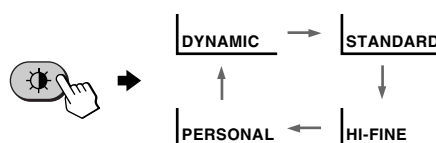
Selecting the picture and sound modes

You can select picture and sound modes and adjust the setting to your preference in the "PERSONAL" option.




Selecting the picture mode

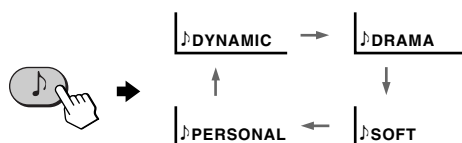
Press  repeatedly until the desired picture mode is selected.



Select	To
"DYNAMIC"	receive high contrast pictures.
"STANDARD"	receive normal pictures.
"HI-FINE"	receive higher density pictures with mild contrast.
"PERSONAL"	receive the last adjusted picture setting from the "ADJUST" option in the "PICTURE" menu (see page 38).

Selecting the sound mode

Press  repeatedly until the desired sound mode is selected.



Select	To
"DYNAMIC"	listen to dynamic and clear sound that emphasizes both the low and high tones.
"DRAMA"	listen to sound that emphasizes voice and high tones.
"SOFT"	receive soft sound.
"PERSONAL"	receive the last adjusted sound setting from the "ADJUST" option in the "SOUND" menu (see page 40).

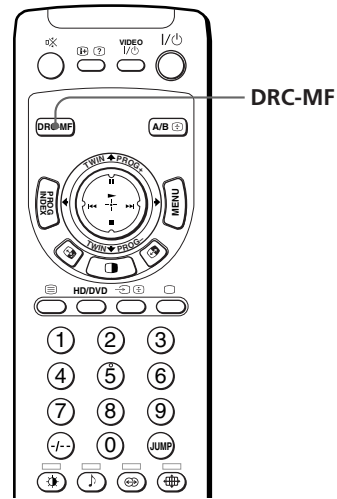
Tip

- You can also set the picture and sound modes using the menu (see "Changing the "PICTURE" setting" on page 36 and "Changing the "SOUND" setting" on page 39).

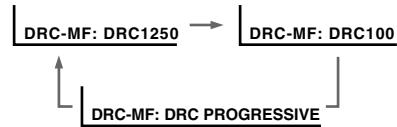
Viewing higher quality pictures

— “DRC-MF”

The Digital Reality Creation-Multi Function (DRC-MF) feature allows you to enjoy higher quality pictures on your projection TV. You can select “DRC1250” to watch super real (higher resolution) pictures, or “DRC100” for moving pictures or “DRC PROGRESSIVE” for still pictures to reduce flicker if necessary.



Press DRC-MF repeatedly until you receive the desired picture quality.



Select	To
“DRC1250”	select higher resolution pictures.
“DRC100”	reduce flicker on the screen.
“DRC PROGRESSIVE”	reduce jitter of any small areas or scanning lines (e.g., letters or the edge of objects) on the screen.

Tip

- When the broadcast signal is weak, you may see some dots or noise on the TV screen. To reduce this interference, display the “PICTURE” menu and select “ADJUST” in “PICTURE MODE”, then adjust “SHARP” to reduce the sharpness (see page 38).

Note

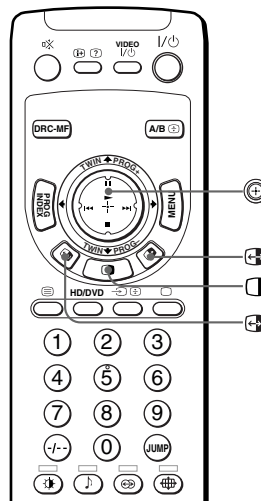
- The DRC-MF mode is not selectable when using the “PROGRAM INDEX” feature, or when the “GAME MODE” or “TWIN” mode is turned “ON”. The mode is not also selectable for HD (high-definition) or progressive signal.

The DRC-MF logo () and “DRC-MF” are trademarks of Sony Corporation.

Watching two programs at the same time

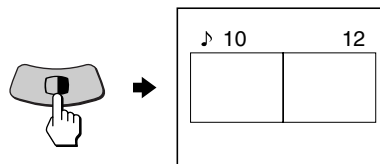
— "TWIN"

With the TWIN pictures feature, you can display a different TV program beside the main picture.



Displaying TWIN pictures

Press .




To return to the normal screen






Press .

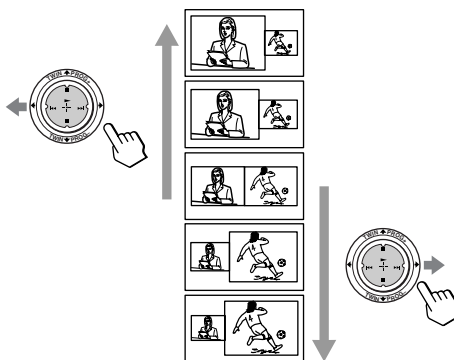
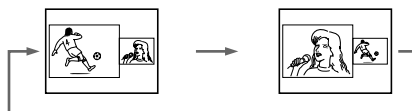
The left picture is displayed in full screen.

Tip


- You can also display the TWIN pictures using the menu (see "Changing the MULTI PICTURE setting" on page 41).
- Pressing  displays the right picture in full screen (see "Selecting a TV program using TWIN" on page 22).

Additional tasks

To	Press/Move
change a TV program in the right picture	Move  up or down (TWIN PROG + or -).
swap the left and right pictures	Press  .
swap sound between the left and right pictures.	Press  . The “♪” symbol will appear to indicate which screen you are hearing.
change the screen size of the TWIN pictures	Move  left to increase the left screen size. Move  right to increase the right screen size.




Notes


- Swapping the pictures is not available for HD or DVD input signals.
- The TWIN pictures feature is not available for HD (high-definition) and progressive signals. If you change the left main picture to an HD or progressive signal, a message appears and the TWIN pictures feature is cancelled. The selected HD or progressive picture will be displayed in full screen.
- You cannot enjoy stereo sound in the right picture.
- You cannot change the picture to a video input in the right picture. You can only display a video input, except for HD and progressive signals, in the right picture by swapping the pictures when a video input is displayed in the left picture.
- When the  button is pressed, the TV screen flickers or goes blank for about one second before the TWIN pictures appear. This does not indicate a malfunction of the projection TV.

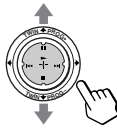
continued


Watching two programs at the same time (continued)

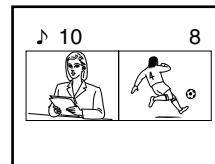
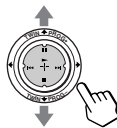
Selecting a TV program using TWIN


You can select your desired TV program directly from the right picture by using  (TWIN PROG +/-).

- 1 Move  up or down (TWIN PROG +/-).
The TWIN pictures appear on the screen.



- 2 Move  up or down (TWIN PROG +/-) until the desired program appears on the right screen.



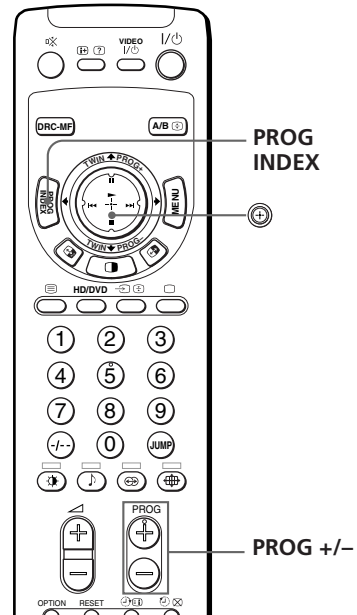
- 3 Press  to display the right picture in full screen.



Displaying multiple programs

— “PROGRAM INDEX”

The PROGRAM INDEX feature displays all of the preset TV programs on twelve sub screens for direct selection.

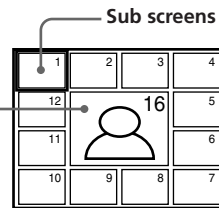


Press PROG INDEX.

The first twelve preset programs appear one by one, clockwise from the upper left corner.



Main screen



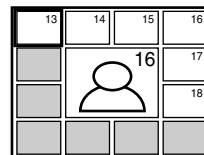
Tip

- When you press the PROG INDEX button in the TWIN pictures mode, the left picture appears as the main screen of the PROGRAM INDEX mode.

To view the next or the previous twelve preset programs

This works only when the number of the preset TV programs is more than twelve.


Press PROG +/- on the remote or on the projection TV.

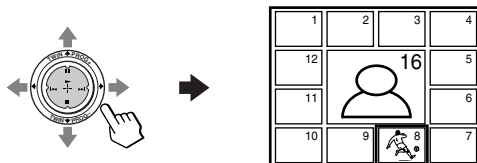


continued

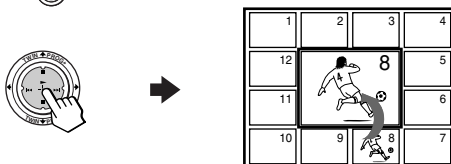
Displaying multiple programs (continued)

To select the desired program directly from the sub screens

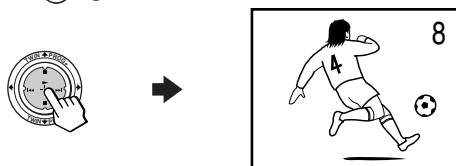
- 1 Move  up, down, left or right to move the frame to the screen of the program you want to watch.



- 2 Press .



- 3 Press  again.



Tip

- Pressing the number buttons directly displays the program.

To return to the normal screen

Press PROG INDEX again, or:

- 1 Select "PROGRAM INDEX" from the "MULTI PICTURE" menu.
- 2 Press .

Tip

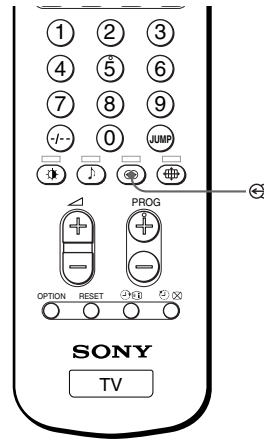
- You can also display multiple programs using the menu (see "Changing the MULTI PICTURE setting" on page 41).


Notes

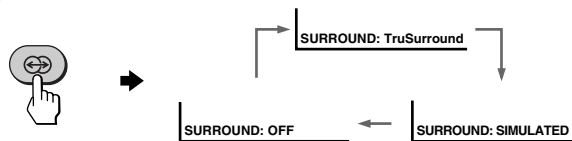
- When displaying multiple programs, only the sound of the main screen is heard.
- The PROGRAM INDEX feature is not available for HD (high-definition) and progressive signals. The selected HD or progressive picture will be displayed in full screen.

Listening with surround sound


The surround feature enables you to enjoy the sound effects of a concert hall or movie theater.




Press  repeatedly until you receive the desired surround sound.

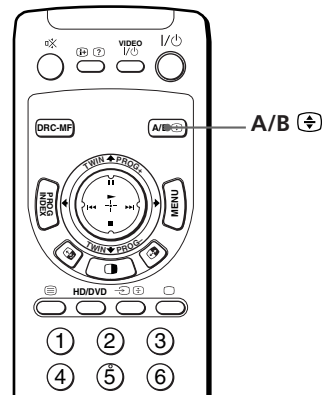


Select	To
"TruSurround"*	listen to the surround sound that spreads out to the rear of a room.
"SIMULATED"	listen to monaural sound with a stereo-like effect.
"OFF"	turn off the surround sound.

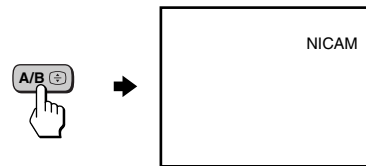
* TruSurround and the  symbol are trademarks of SRS Labs, Inc. TruSurround technology is incorporated under license from SRS Labs, Inc.

Enjoying stereo or bilingual programs

You can enjoy stereo sound or bilingual programs of NICAM and A2 (German) stereo systems. When you receive the channel with them, the  indicator on the front panel of the projection TV lights up red.





Press A/B repeatedly until you receive the sound you want.



When receiving a NICAM program

Broadcasting	On-screen display (Selected sound)
NICAM stereo	
NICAM bilingual	
NICAM monaural	

When receiving an A2 (German) program

Broadcasting	On-screen display (Selected sound)
A2 (German) stereo	
A2 (German) bilingual	

Receiving area for NICAM and A2 (German) programs

System	Receiving area
NICAM	Hong Kong, Singapore, New Zealand, Malaysia, Thailand, etc.
A2 (German)	Australia, Malaysia, Thailand, etc.

Notes

- If the signal is very weak, the sound becomes monaural automatically.
- If the stereo sound is noisy when receiving a NICAM program, select "MONO". The sound becomes monaural, but the noise is reduced.
- Before receiving a NICAM stereo program in China, please check the NICAM broadcast condition at your area. When receiving a NICAM stereo program, the receiving conditions might vary depending on area. In addition, different strength of the NICAM broadcast signal might affect the receiving quality.

If the sound is distorted or noisy when receiving a monaural program through the ㄗ (antenna) terminal

Press A/B repeatedly until "MONO" appears on the screen.

To cancel the monaural sound setting, press A/B again until "AUTO" appears on the screen.

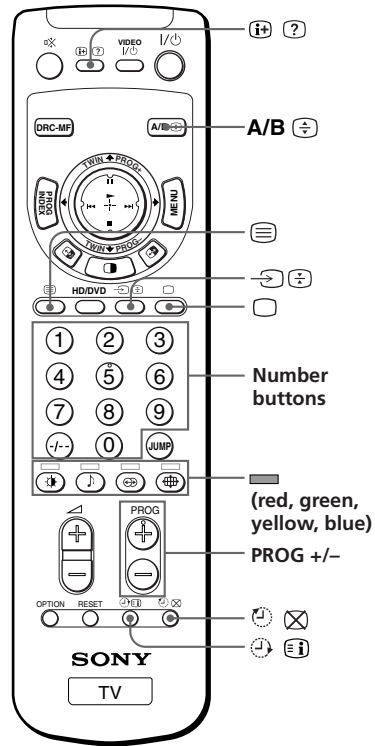


Notes

- The "MONO" or "AUTO" setting is memorized for each program position.
- You cannot receive a stereo broadcast signal when the projection TV is in the "MONO" setting. Normally, set the projection TV to "AUTO".

Viewing Teletext

Some TV stations broadcast an information service called Teletext which allows you to receive various information, such as stock market reports and news.

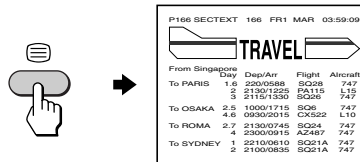


Displaying Teletext

1 Select a TV channel that carries the Teletext broadcast you want to watch.

2 Press to display the text.













A Teletext page (normally the index page) is displayed. If there is no Teletext broadcast, "100?" is displayed at the top left corner of the screen after approximately 10 seconds.



To turn off Teletext





Press .

Additional Teletext tasks

To	Do this
display a Teletext page on the TV picture	Press  . Each time you press  , the screen changes as follows: Teletext → Teletext and TV → TV.
check the contents of a Teletext service	Press  . An overview of the Teletext contents, including page numbers, appears on the screen.
select a Teletext page	Press the number buttons to enter the three-digit page number of the desired Teletext page.* If you make a mistake, reenter the correct page number. To access the next or previous page, press PROG +/-.
hold (pause) a Teletext page (stop the page from scrolling)	Press  to display the symbol "  at the top left corner of the screen. To resume normal Teletext viewing, press  or  .
reveal concealed information (e.g., an answer to a quiz)	Press  . To conceal the information, press the button again.
enlarge the Teletext display	Press  . Each time you press  , the Teletext display changes as follows: Enlarge upper half → Enlarge lower half → Normal size.
stand by for a Teletext page while watching a TV program	1 Enter the Teletext page number that you want to refer to, then press  . 2 When the page number is displayed, press  to show the text.

* You can also select a Teletext page of any page number that appears in the colored column at the bottom of the screen using the corresponding color-coded button on the remote.

Using FASTEXT

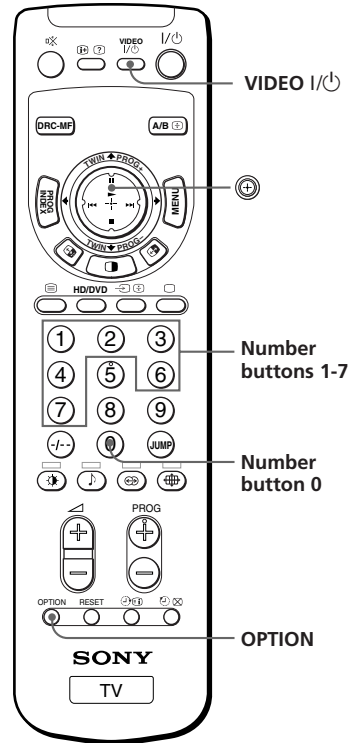
This feature allows you to quickly access a Teletext page that uses FASTEXT. When a FASTEXT program is broadcast, colored menus appear at the bottom of the screen. The color of each menu corresponds to the color-coded buttons on the remote (red , green , yellow , and blue ).

To access a FASTEXT menu

Press the color-coded button on the remote corresponding to the menu you want. The menu page appears on the screen after a few seconds.

Operating optional components

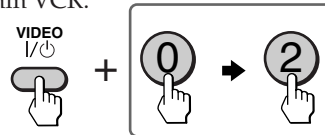
You can use the supplied remote to operate Sony video equipment such as Beta, 8 mm, VHS or DVD.



Setting up the remote to work with other connected equipment

While keeping VIDEO I/⏻ pressed, press the number button 0, then the corresponding number button for the desired equipment (see the table below).

For example, to operate a Sony 8 mm VCR:



To control	While holding down	First press the number button	Next press the number button
DVD	VIDEO I/⏻	0	0
VTR1 (Beta)	VIDEO I/⏻	0	1
VTR2 (8 mm)	VIDEO I/⏻	0	2
VTR3 (VHS)	VIDEO I/⏻	0	3
MDP	VIDEO I/⏻	0	4
CD	VIDEO I/⏻	0	6
MD	VIDEO I/⏻	0	7

Note

- If the equipment does not have a certain function, the corresponding button on the remote will not operate.

Operating video equipment

Press VIDEO I/⏻, or while keeping OPTION pressed, press ⏪ (▶) or move ⏪ up (⏮), down (⏭), left (⏪) or right (⏩) (see the table below).



Operating a VCR using the remote

To	Press/Move
turn on/off	VIDEO I / ⏻
play	▶ while keeping OPTION pressed.
stop	■ while keeping OPTION pressed.
fast forward (▶▶)	▶▶ while keeping OPTION pressed.
rewind the tape (◀◀)	◀◀ while keeping OPTION pressed.
pause	⏮ while keeping OPTION pressed. Press again to resume normal playback.
search the picture forward (▶▶) or backward (◀◀)	▶▶ or ◀◀ during playback while keeping OPTION pressed. Release to resume normal playback.

Operating a DVD player using the remote

To	Press/Move
turn on/off	VIDEO I / ⏻
play	▶ while keeping OPTION pressed.
stop	■ while keeping OPTION pressed.
pause	⏮ while keeping OPTION pressed. Press again to resume normal playback.
step through different tracks of an audio disc	▶▶ to step forward or ◀◀ to step backward while keeping OPTION pressed.

continued

Operating optional components (continued)

Operating an MDP using the remote

To	Press/Move
turn on/off	VIDEO I / ⏻
play	▶ while keeping OPTION pressed.
stop	■ while keeping OPTION pressed.
pause	⏸ while keeping OPTION pressed. Press again to resume normal playback.
search the picture forward or backward	▶▶ or ◀◀ during playback while keeping OPTION pressed. Release to resume normal playback.

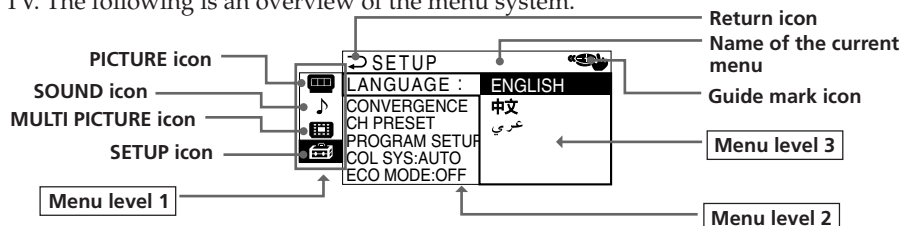
Operating a CD or MD player using the remote

To	Press/Move
turn on/off	VIDEO I / ⏻
play	▶ while keeping OPTION pressed.
stop	■ while keeping OPTION pressed.
pause	⏸ while keeping OPTION pressed. Press again to resume normal playback.
step through different tracks	▶▶ to step forward or ◀◀ to step backward while keeping OPTION pressed.

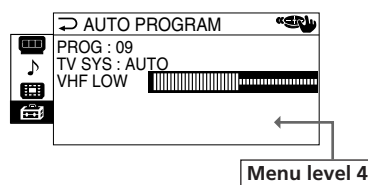
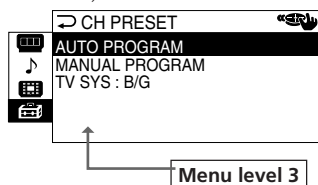
Adjusting Your Setup (MENU)

Introducing the menu system

The MENU button lets you open a menu and change the settings of your projection TV. The following is an overview of the menu system.



Selecting some items in Menu level 2 of SETUP menu displays another menu (Menu level 3), and selecting some options in this menu also displays the adjustment menu (Menu level 4).





Level 1	Level 2/Level 3	Level 3/Level 4/Function
"PICTURE" 	"DRC-MF"	Select the "DRC-MF" mode: "DRC1250" → "DRC100" → "PROGRESSIVE"
	"PICTURE MODE"	Select the picture mode: "DYNAMIC" → "STANDARD" → "HI-FINE" → "PERSONAL" → "ADJUST"
	"ADJUST"	Adjust the "PERSONAL" option: "PICTURE" → "COLOR" → "BRIGHT" → "HUE" → "SHARP"
	"3D-NR"	Activate or deactivate picture noise reduction mode.
	"WIDE MODE"	Activate or deactivate "WIDE MODE" feature.
	"GAME MODE"	Activate or deactivate "GAME MODE" feature.
"SOUND" 	"SOUND MODE"	Select the sound mode: "DYNAMIC" → "DRAMA" → "SOFT" → "PERSONAL" → "ADJUST"
	"ADJUST"	Adjust the "PERSONAL" option: "BASS" → "TREBLE" → "BALANCE" → "BBE"*
	"SURROUND"	Select the "SURROUND" mode: "TruSurround" → "SIMULATED" → "OFF"
	"INTELLIGENT VOL"	Adjust the volume automatically.

* The BBE is manufactured by Sony Corporation under license from BBE Sound, Inc. It is covered by U.S. Patent No. 4,638,258 and No. 4,482,866. The word "BBE" and the BBE symbol are the trademarks of BBE Sound, Inc.

continued

Introducing the menu system (continued)

Level 1	Level 2/Level 3	Level 3/Level 4/Function
"MULTI PICTURE" 	"TWIN"	Display a TV program beside the main screen.
	"SWAP"	Swap the pictures between the left and right screens.
	"PROGRAM INDEX"	Display all the preset TV programs at the same time.
"SETUP" 	"LANGUAGE"	Change the menu language: "ENGLISH" → "中文" (Chinese) → "عربي" (Arabic)
	"CONVERGENCE" "DIGITAL QUICK FOCUS" "MANUAL ADJUST"	Adjust the convergence.
		Adjust the convergence automatically.
		The manual adjustment screen appears. Adjust the convergence manually.
	"CH PRESET" "AUTO PROGRAM" "MANUAL PROGRAM" "TV SYS"	Preset channels, or select the TV system.
		The "AUTO PROGRAM" menu is displayed. Preset channels automatically.
		The "MANUAL PROGRAM" menu is displayed. Preset channels manually.
		Select the TV system: "B/G" → "I" → "D/K" → "M"
	"PROGRAM SETUP" "PROG" "SKIP" "CHILD LOCK"	Skip unwanted program numbers, or block specific channels.
		Select a program number you want to skip or block.
Skip unwanted or unused program numbers.		
Lock out specific channels.		
"COL SYS"	Select the color system: "AUTO" → "PAL" → "SECAM" → "NTSC3.58" → "NTSC4.43"	
"ECO MODE"	Activate or deactivate ECO MODE feature.	

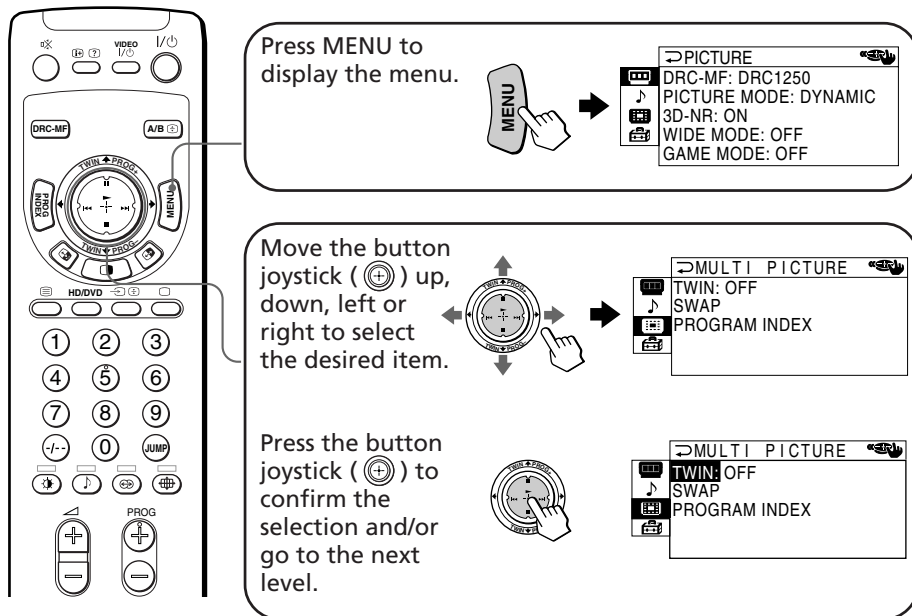
To restore the factory settings

Press the RESET button.

The settings other than the following items in the menu can be reset by using the RESET button:

- "LANGUAGE"
- "CONVERGENCE"
- "PROG" in "MANUAL PROGRAM" and "PROGRAM SETUP"
- "FINE" in "MANUAL PROGRAM"
- "TV SYS"
- "SKIP"

How to use the menu



Other menu operations

To	Press/Move
Adjust the setting value	Move ⊕ up, down, left or right.
Move to the next/previous menu level	Move ⊕ left or right.
Cancel the menu	Press MENU.

Tips

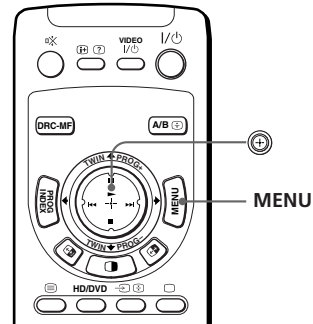
- If you want to exit from Menu level 2 to Menu level 1, move ⊕ up or down until the return icon (↵) is highlighted, then press ⊕.
- The MENU, ENTER, and ↵ +/- (up/down) buttons on the projection TV can also be used for the operations above.

Note

- If more than 60 seconds elapse between entries, the menu screen automatically disappears.

Changing the "PICTURE" setting

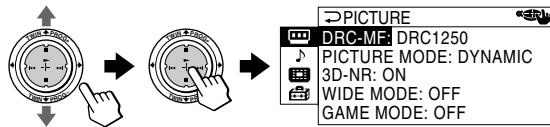
The "PICTURE" menu allows you to adjust the picture setting, view higher quality pictures, reduce picture noise, and adjust the picture setting that is suitable for viewing video games. You can also change the size of the picture on the screen when you receive wide mode (16:9) picture signals.



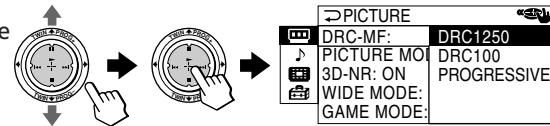
1 Press MENU.



2 Move up or down to select , then press .



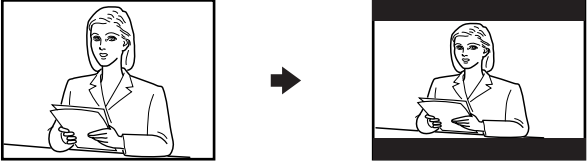







3 Move up or down to select the desired option (see the table below), then press .






Select	To
"DRC-MF"	activate the Digital Reality Creation-Multi Function feature to display higher quality pictures. Move up or down to select "DRC1250", "DRC100" or "PROGRESSIVE"*, then press .
"PICTURE MODE"	receive suitable picture mode. Move up or down to select "DYNAMIC", "STANDARD", "HI-FINE", "PERSONAL"* or "ADJUST", then press .
"3D-NR"	improve the picture quality of TV or video if a signal received is weak. Move up or down to select "ON", then press .
	To cancel, select "OFF", then press .

* When the "PERSONAL" mode is selected, the last adjusted picture setting from the "ADJUST" option is received (see page 38).

Select	To
"WIDE MODE"	<p>change the size of the picture when receiving wide-mode (16:9) picture signal.</p> <p>Move  up or down to select "ON", then press .</p> <div style="text-align: center;">  </div> <p>You can also change to wide-mode picture size by using the  button.</p> <p>To restore the normal picture size, select "OFF" then press .</p>
"GAME MODE"	<p>adjust the picture setting that is suitable to view video games.</p> <p>Move  up or down to select "ON", then press .</p> <p>To cancel, select "OFF", then press .</p>

Tips

- For details on the options under the "DRC-MF" and "PICTURE MODE" modes, see pages 19 and 18, respectively.
- "GAME MODE" is available only when receiving signals through the  (video input),  (S video input), or  (component video input) jacks.
- When high-definition (HD) signals are input, "WIDE MODE", "GAME MODE", "3D-NR" and "DRC-MF" do not function. When you receive wide mode picture signal, 16:9 picture with black bands will be displayed.
- When progressive signals are input, "GAME MODE", "3D-NR" and "DRC-MF" do not function.

To return to the normal screen



Press MENU.

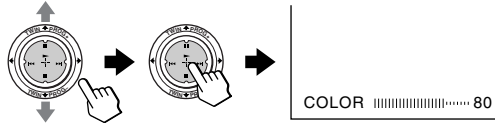
continued


Adjusting Your Setup (MENU) | 37



Changing the "PICTURE" setting (continued)

Adjusting the "ADJUST" options under "PICTURE MODE"

- 1 Move  up or down to select the desired item (e.g., "COLOR"), then press .



- 2 Adjust the value according to the following table, then press .

For	Move  down or left to	Move  up or right to
"PICTURE"	decrease picture contrast	increase picture contrast
"COLOR"	decrease color intensity	increase color intensity
"BRIGHT"	darken the picture	brighten the picture
"HUE"*	increase red picture tones	increase green picture tones
"SHARP"	soften the picture	sharpen the picture

* You can adjust "HUE" for the NTSC color system only.

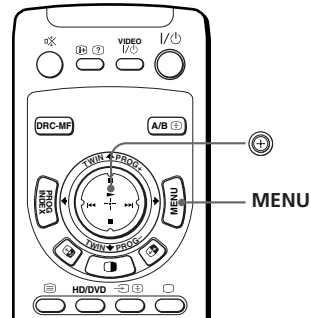
- 3 Repeat the above steps to adjust other items.
The adjusted settings will be received when you select "PERSONAL".

Tip

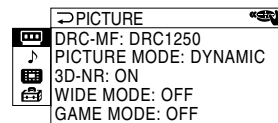
- For details on the menu system and how to use the menu, refer to "Introducing the menu system" on page 33.

Changing the "SOUND" setting

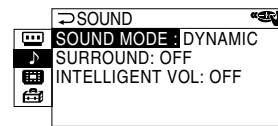
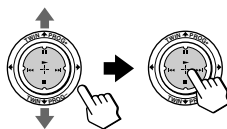
The "SOUND" menu allows you to adjust the sound setting and adjust the volume automatically. You can also listen to the sound with surround effect.



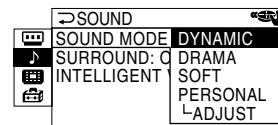
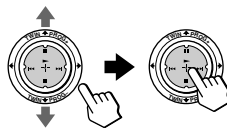
1 Press MENU.



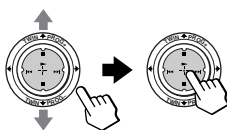
2 Move \odot up or down to select M , then press \odot .



3 Move \odot up or down to select either "SOUND MODE", "SURROUND", or "INTELLIGENT VOL", then press \odot .



4 Move \odot up or down to select the desired option, then press \odot .



For	Select
"SOUND MODE"	either "DYNAMIC", "DRAMA", "SOFT", "PERSONAL"* or "ADJUST".
"SURROUND"	either "TruSurround", "SIMULATED", or "OFF".
"INTELLIGENT VOL"	"ON" to adjust the volume of all TV programs automatically. To cancel, select "OFF".

* When the "PERSONAL" mode is selected, the last adjusted sound setting from the "ADJUST" option is received (see page 40).

continued

Changing the "SOUND" setting (continued)



Tip

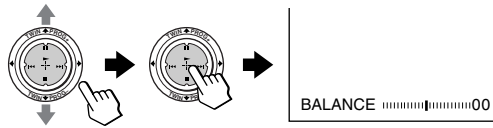
- For details on the options under the "SOUND MODE" and "SURROUND" modes, see pages 18 and 25, respectively.


To return to the normal screen


Press MENU.

Adjusting the "ADJUST" options under "SOUND MODE"

- 1 Move  up or down to select the desired item (e.g., "BALANCE"), then press .



- 2 Adjust the value according to the following table, then press .

For	Move 
"BASS"	down or left to decrease the bass, up or right to increase the bass.
"TREBLE"	down or left to decrease the treble, up or right to increase the treble.
"BALANCE"	down or left to increase the left speaker's volume, up or right to increase the right speaker's volume.
"BBE"	up or down to select "HIGH", "LOW" or "OFF". "BBE" can produce clear sound.

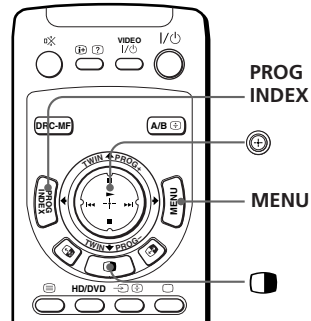
- 3 Repeat the above steps to adjust other items.
The adjusted settings will be received when you select "PERSONAL".

Tip

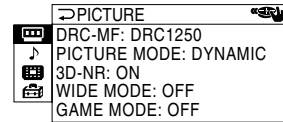
- For details on the menu system and how to use the menu, refer to "Introducing the menu system" on page 33.

Changing the “MULTI PICTURE” setting

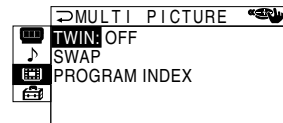
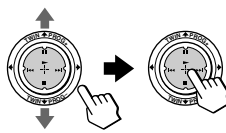
The “MULTI PICTURE” menu allows you to use the TWIN pictures, or PROGRAM INDEX feature.



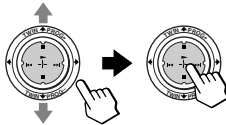
1 Press MENU.



2 Move \odot up or down to select MENU , then press \odot .



3 Move \odot up or down to select the desired option (see the table below), then press \odot .



Select	To
“TWIN”	display a different TV program beside the main picture. Move \odot up or down to select “ON”, then press \odot . To cancel, press \blacksquare or select “OFF”, then press \odot .
“SWAP”	swap the left and right pictures of the TWIN screen.
“PROGRAM INDEX”	view multiple programs on the sub-screens. To cancel, press PROG INDEX.

To return to the normal screen

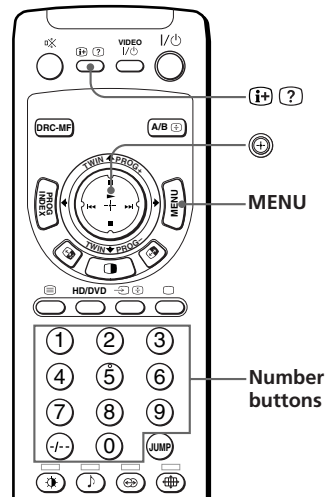
Press MENU.

Tip

- For details on the menu system and how to use the menu, see “Introducing the menu system” on page 33.

Changing the "SETUP" setting

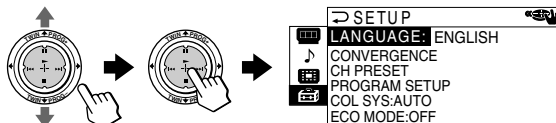
The "SETUP" menu allows you to adjust the setup of your projection TV. For example, you can change the menu language, adjust the convergence, preset channels, etc.



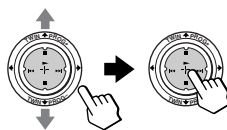
1 Press MENU.



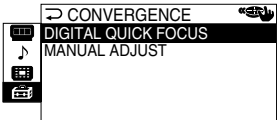
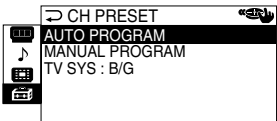
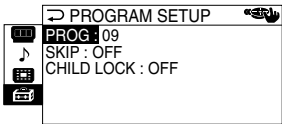



2 Move **+** up or down to select **SETUP**, then press **+**.





3 Move **+** up or down to select the desired option (see the table below), then press **+**.



Select	To
"LANGUAGE"	change the menu language. Move + up or down to select "English", "中文" (Chinese), or "عربي" (Arabic), then press + .

Select	To
"CONVERGENCE"	adjust the convergence.  <p>You can select automatic or manual convergence adjustment. See "Adjusting the convergence manually" on page 44.</p>
"CH PRESET"	preset channels.  <p>You can select automatic or manual channel presetting. See "Presetting channels manually" on page 45. You can change the TV system by selecting "TV SYS".</p>
"PROGRAM SETUP"	skip unwanted channels, or block channels.  <p>See "Skipping unwanted or unused channels" and "Blocking channels", respectively.</p>
"COL SYS"	select the color system. Normally, set this to "AUTO". You can select the color system for each channel or each video input.
"ECO MODE"	reduce power consumption of your projection TV to save energy. Move  up or down to select "ON", then press  . To cancel, select "OFF", then press  .

Note

- If "ECO MODE" is on, the ECO MODE () icon will appear at the bottom right corner of the screen when you turn on the projection TV or when you press  on the remote.



To return to the normal screen

Press MENU.

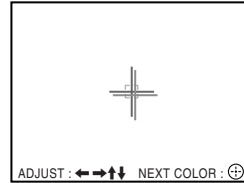
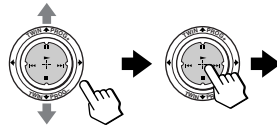
continued



Changing the "SETUP" setting (continued)

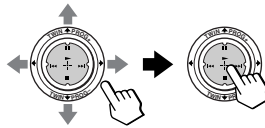
Adjusting the convergence manually



- 1 After selecting "CONVERGENCE", move  up or down to select "MANUAL ADJUST", then press .

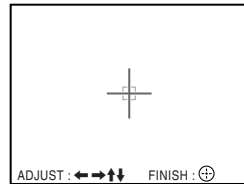
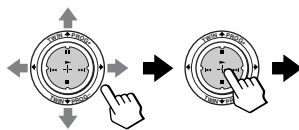
The cross pattern appears on the screen.



- 2 Move  up, down, left or right to adjust the red lines until they converge with the green lines, then press .



- 3 Move  up, down, left or right to adjust the blue lines until they converge with the center cross pattern, then press .




To return to the normal screen

Press MENU.

Tip

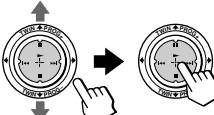
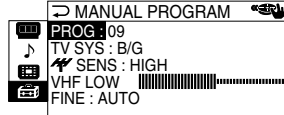
- Selecting "DIGITAL QUICK FOCUS" under "CONVERGENCE" allows you to adjust the convergence automatically. When the Digital Quick Focus feature is performed, manual adjustment values are erased.

Notes

- Adjust convergence about 20 – 30 minutes after the projection TV is first turned on.
- You cannot use the  +/- buttons on the projection TV for manual convergence adjustment.


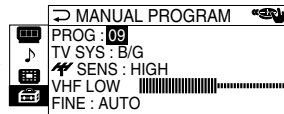
Presetting channels manually

1 After selecting "CH PRESET", move \oplus up or down to select "MANUAL PROGRAM", then press \oplus .

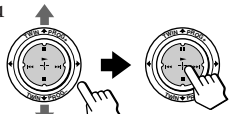
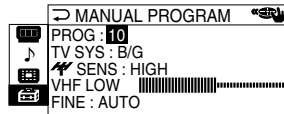



2 Select the program number to which you want to preset a channel.

(1) Make sure "PROG" is selected, then press \oplus .

(2) Move \oplus up or down until the program number you want to preset (e.g., program number "10") appears on the menu, then press \oplus .

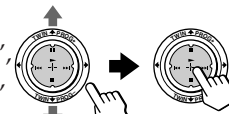
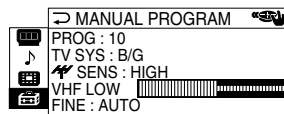



Tip

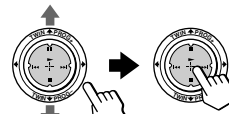
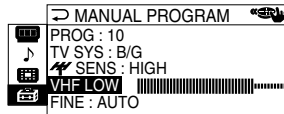
- You can also select the program number with the PROG +/- or number buttons.

3 Select the desired channel.

(1) Move \oplus up or down to select either "VHF LOW", "VHF HIGH", or "UHF", then press \oplus .

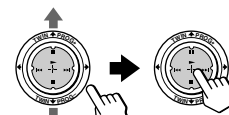
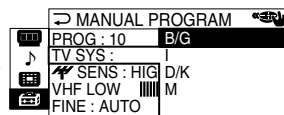



(2) Move \oplus up or down until the desired channel's broadcast appears on the TV screen, then press \oplus .

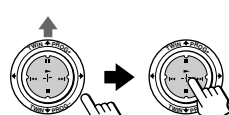
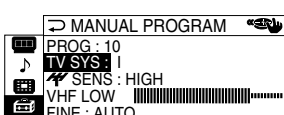



4 If the sound of the desired channel is abnormal, select the appropriate TV system.

(1) Move \oplus up or down to select "TV SYS", then press \oplus .

(2) Move \oplus up or down until the sound becomes normal, then press \oplus .

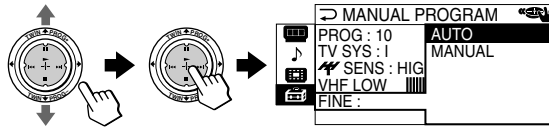



continued

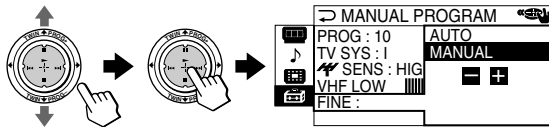
Changing the "SETUP" setting (continued)

5 If you are not satisfied with the picture and sound quality, you may be able to improve them by using the "FINE" tuning feature.

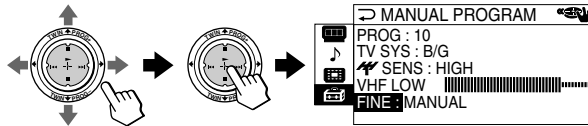
- (1) Move up or down to select "FINE", then press .



- (2) Move up or down to select "MANUAL", then press .

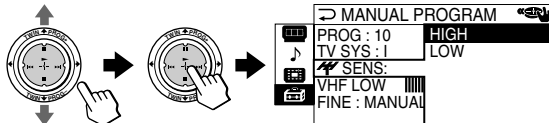


- (3) Move either up, down, left or right until the picture and sound quality are optimal, then press . The + or - icon on the menu flashes while tuning.

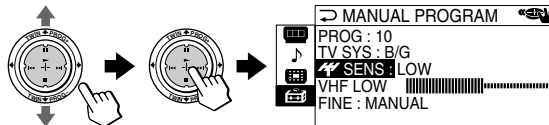


6 If the TV signal is too strong and the picture is distorted, you can adjust the TV reception sensitivity.

- (1) Move up or down to select "SENS", then press .



- (2) Move up or down to select "LOW", then press .




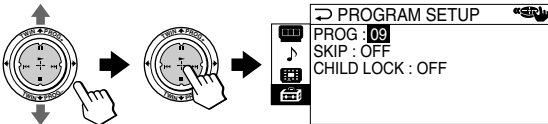
Notes



- The TV system ("TV SYS") and the TV reception sensitivity ("SENS") settings are memorized for each program number.
- If the channel you are presetting is a locked channel (page 48), that channel will be unlocked automatically.

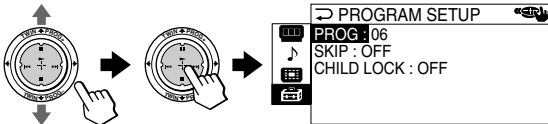
Skipping unwanted or unused channels ("SKIP")



After performing automatic channel presetting, you can erase unwanted or unused channels.

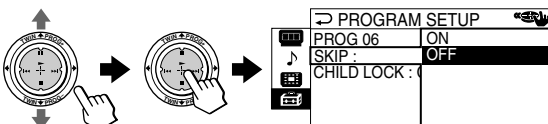
- 1 After selecting "PROGRAM SETUP", make sure "PROG" is selected, then press .





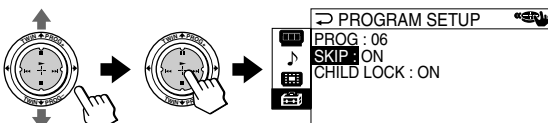
PROGRAM SETUP	
PROG: 09	
SKIP: OFF	
CHILD LOCK: OFF	
- 2 Move  up or down until the unused or unwanted channel number appears, then press .



PROGRAM SETUP	
PROG: 06	
SKIP: OFF	
CHILD LOCK: OFF	
- 3 Move  up or down to select "SKIP", then press .



PROGRAM SETUP	
PROG: 06	ON
SKIP:	OFF
CHILD LOCK:	
- 4 Move  up or down to select "ON", then press .



PROGRAM SETUP	
PROG: 06	
SKIP: ON	
CHILD LOCK: ON	
- 5 To disable other channels, select "PROG", then repeat steps 2 to 4.

To restore the skipped channel

Select "OFF" in step 4.


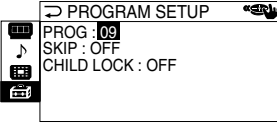



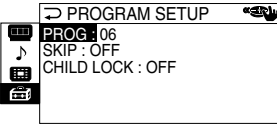
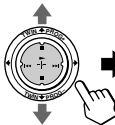


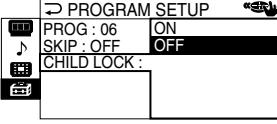
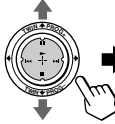



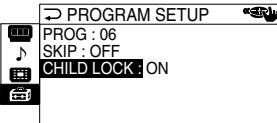
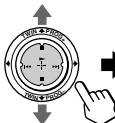

To return to the normal screen

Press MENU.

continued

Changing the "SETUP" setting (continued)

Blocking channels ("CHILD LOCK")

- 1 After selecting "PROGRAM SETUP" make sure "PROG" is selected, then press .

- 2 Move  up or down to select the desired channel (e.g. PR 06), then press .

- 3 Move  up or down to select "CHILD LOCK", then press .

- 4 Move  up or down to select "ON", then press .
To unlock the channel, select "OFF".
The lock symbol () appears on the screen when "ON" is selected.

If a locked channel is selected, the lock symbol appears on the screen.

- 5 To lock other channels, select "PROG", then repeat steps 2 to 4.

To return to the normal screen

Press MENU.

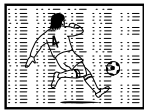





Note

- If you preset a locked channel manually (page 45), that channel will be unlocked automatically.

Additional Information








Troubleshooting



If you have any problem while viewing your projection TV, please check the following troubleshooting guide. If the problem persists, contact your Sony dealer.

Symptom	Possible cause	Solutions	Page
Snowy picture 	<ul style="list-style-type: none"> The connection is loose or the cable is damaged. 	<ul style="list-style-type: none"> Check the antenna cable and connection on the projection TV, VCR and on the wall. 	6
	<ul style="list-style-type: none"> Channel presetting is inappropriate or incomplete. 	<ul style="list-style-type: none"> Display the "CH PRESET" menu under the "SETUP" menu and select "MANUAL PROGRAM" to preset the channel again. 	45
Noisy sound 	<ul style="list-style-type: none"> The antenna type is inappropriate. 	<ul style="list-style-type: none"> Check the antenna type (VHF/UHF). Contact a Sony dealer for advice. 	-
	<ul style="list-style-type: none"> The antenna direction needs adjustment. 	<ul style="list-style-type: none"> Adjust the antenna direction. Contact a Sony dealer for advice. 	-
	<ul style="list-style-type: none"> Signal transmission is low. 	<ul style="list-style-type: none"> Try using a booster. 	-
Distorted picture 	<ul style="list-style-type: none"> Broadcast signals are too strong. 	<ul style="list-style-type: none"> Display the "CH PRESET" menu under the "SETUP" menu and select "MANUAL PROGRAM". Then, select "SENS: LOW". Turn off or disconnect the booster if it is in use. 	46
	<ul style="list-style-type: none"> The TV system setting is inappropriate. 	<ul style="list-style-type: none"> If the sound of all the channels are noisy, display the "CH PRESET" menu under the "SETUP" menu and select "AUTO PROGRAM" to preset the channels again. If the sound of some channels is noisy, select the channel, then display the "CH PRESET" menu under the "SETUP" menu and select the appropriate TV system ("TV SYS"). 	43 45
Good picture 	<ul style="list-style-type: none"> The sound of the right picture is selected when TWIN pictures are displayed. 	<ul style="list-style-type: none"> Press  or . 	21

continued

Troubleshooting (continued)

Symptom	Possible cause	Solutions	Page
No picture 	<ul style="list-style-type: none"> The power cord, antenna or VCR is not connected. 	<ul style="list-style-type: none"> Check the power cord, antenna and the VCR connections. 	6
	<ul style="list-style-type: none"> The projection TV is not turned on. 	<ul style="list-style-type: none"> Press I/⏻ on the remote. Press ⏻ on the projection TV to turn off the projection TV for about five seconds, then turn it on again. 	15 16
No sound 			
Good picture 	<ul style="list-style-type: none"> The volume level is too low. 	<ul style="list-style-type: none"> Press ▲ + to increase the volume level. 	16
	<ul style="list-style-type: none"> The sound is muted. 	<ul style="list-style-type: none"> Press ⏻ to cancel the muting. 	16
	<ul style="list-style-type: none"> The broadcast signal has a transmission problem. 	<ul style="list-style-type: none"> Press A/B until a better sound is heard. 	26
No sound 	<ul style="list-style-type: none"> The sound of the right picture is selected when TWIN pictures are displayed. 	<ul style="list-style-type: none"> Press ⏻ or ⏻. 	21
Dotted lines or stripes 	<ul style="list-style-type: none"> There is local interference from cars, neon signs, hair dryers, power generators, etc. 	<ul style="list-style-type: none"> Do not use a hair dryer or other equipment near the projection TV. Adjust the antenna direction for minimum interference. Contact a Sony dealer for advice. 	– –
	Double images or "ghosts" 	<ul style="list-style-type: none"> Broadcast signals are reflected by nearby mountains or buildings. The antenna direction needs adjustment. Use of a booster is inappropriate. 	<ul style="list-style-type: none"> Use a highly directional antenna. Use the fine tuning ("FINE") function. Adjust the antenna direction. Contact a Sony dealer for advice. Turn off or disconnect the booster if it is in use.
No color 	<ul style="list-style-type: none"> The color level setting is too low. 	<ul style="list-style-type: none"> Display the "PICTURE" menu and select "ADJUST" of "PICTURE MODE", then adjust the "COLOR" level. 	38
	<ul style="list-style-type: none"> The color system setting is inappropriate. 	<ul style="list-style-type: none"> Display the "SETUP" menu and check the color system ("COL SYS") setting (usually set this to "AUTO"). 	43
	<ul style="list-style-type: none"> The antenna direction needs adjustment. 	<ul style="list-style-type: none"> Adjust the antenna direction. Contact a Sony dealer for advice. 	–



Symptom	Possible cause	Solutions	Page
Projection TV cannot receive stereo broadcast signal.	• The stereo reception setting is inappropriate.	• Press A/B until "AUTO" appears on the screen.	27
	• The sound of the right picture is selected when TWIN pictures are displayed.	• Press  or  .	21
Stereo broadcast sound switches on and off or is distorted. Or The sound switches between stereo and monaural frequently.	• The connection is loose or the cable is damaged.	• Check the antenna cable and connection on the projection TV, VCR and on the wall.	6
	• The antenna direction needs adjustment.	• Adjust the antenna direction. Contact a Sony dealer for advice.	-
	• The broadcast signal has a transmission problem.	• Press A/B until a better sound is heard.	26
"100?" appears at the top of the screen after approximately 10 seconds and there is no Teletext display.	• The channel carries no Teletext broadcast.	—	28
Teletext display is incomplete (snowy picture or double images).	• Connection is loose or the cable is damaged.	• Check the antenna cable and connection on the projection TV, VCR, and at the wall.	6
	• The antenna direction is inappropriate.	• Adjust the antenna direction. Contact a Sony dealer for advice.	-
	• Signal transmission is too low.	• Try using a booster. • Use the fine tuning ("FINE") function.	- 46
Lines moving across the TV screen.	• There is interference from external sources, e.g., heavy machineries, nearby broadcast station.	• Use the fine tuning ("FINE") function.	46
Cannot play shooting games.	• Some shooting games which involve pointing a light beam at the projection TV screen with an electronic gun or rifle cannot be used with your projection TV. For detail, see the instruction manual supplied with the video game software.	—	-

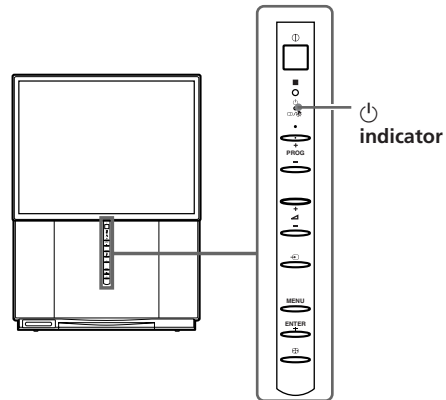
continued





Troubleshooting (continued)

Symptom	Possible cause	Solutions	Page
Projection TV cabinet creaks.	<ul style="list-style-type: none">• Changes in room temperature sometimes make the projection TV cabinet expand or contract, causing a noise. This does not indicate a malfunction.	—	—
Static discharge is felt when touching the TV cabinet.	<ul style="list-style-type: none">• This is the same static discharge that is felt when touching metal door handles or car doors especially when the air is dry, for example in winter. This does not indicate a malfunction.	—	—

Self-diagnosis function

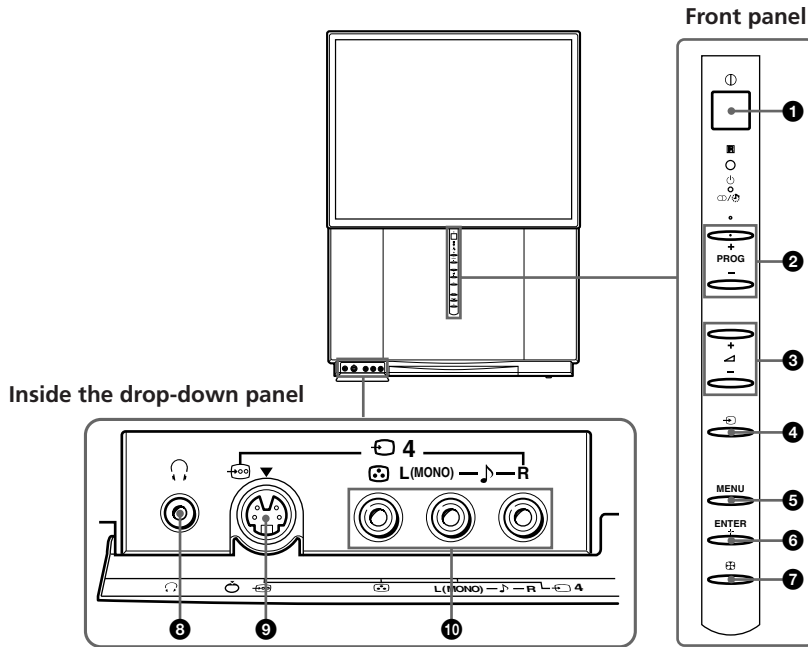
Your projection TV is equipped with a self-diagnosis function. If there is a problem with your projection TV, the  (standby) indicator flashes red. The number of times the  indicator flashes indicates the possible causes.



- 1** Check that the  indicator flashes red a number of times between 3-second intervals.
- 2** Count the number of times the  indicator flashes.
- 3** Press  (main power) to turn off your projection TV.
- 4** Inform your nearest Sony service center about the number of times the  indicator flashed.
Be sure to note the model name and serial number located on the rear of your projection TV.

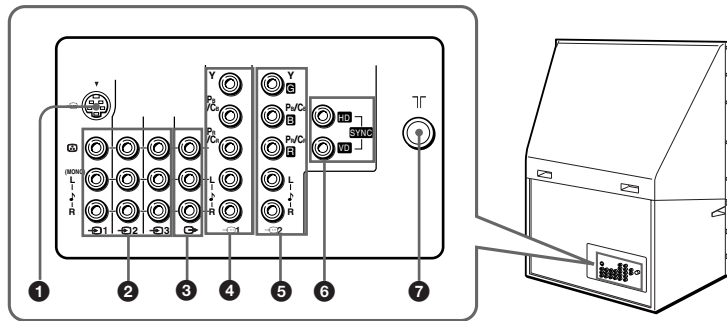
Identifying parts and controls

Front and inside the drop-down panel



Button	Function	Page
① ①	Turn off completely or turn on the projection TV.	15
② PROG +/-	<ul style="list-style-type: none"> Select program number. View next/previous 12 TV programs in PROGRAM INDEX. 	15 15
③ \triangle +/-	<ul style="list-style-type: none"> Adjust volume. Select items in the menu. 	16 35
④ \square	Select TV or video input.	16
⑤ MENU	Display the menu.	35
⑥ ENTER \rightarrow	Confirm selected items.	35
⑦ \oplus	Adjust convergence automatically.	9
⑧ H	Headphone jack	-
⑨ S	Connect to S video output of video equipment.	10
⑩ V 4	Connect to video/audio outputs of equipment.	10

Rear



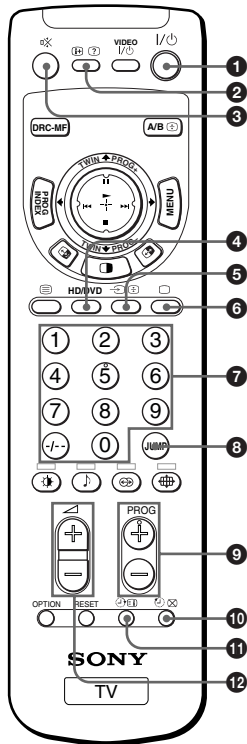
Button	Function	Page
1	Connect to S video output of video equipment.	7
2	Connect to video/audio outputs of video equipment.	7
3	Connect to video/audio inputs of audio/video equipment.	11
4	Connect to component video outputs on a DVD player.	12, 14
5	Connect to component video outputs on a DVD player. Connect to a digital TV receiver equipped with the G/B/R/HD/VD outputs.	12, 14
6 SYNC HD/VD	Connect to HD/VD outputs on a digital TV receiver.	14
7	Connect the antenna cable.	6

continued

Additional Information | 55

Identifying parts and controls (continued)

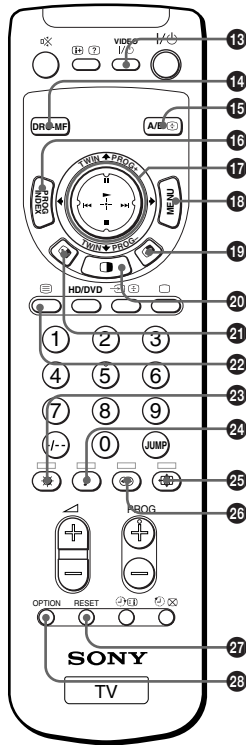
Remote control



The names/symbols of buttons on the remote are indicated in different colors to represent the available functions.

Label color	Button function
White	For general TV operations
Green	For Teletext operations
Yellow	For TWIN picture operations
Pink	For optional components operations







Button	Function	Page
1 I/⏻	Turn off temporarily or turn on the projection TV.	15
2 ⓘ ⓘ	<ul style="list-style-type: none"> • Display on-screen information. • Reveal Teletext concealed information. 	16 29
3 🔇	Mute the sound.	16
4 HD/DVD	Select component input.	16
5 ↵ ⏪ ⏩	<ul style="list-style-type: none"> • Select TV or video input. • Stop Teletext page from scrolling. 	16 29
6 □	<ul style="list-style-type: none"> • Display the TV program. • Turn off Teletext 	16 28
7 0 - 9, +/-	Input numbers.	15
8 JUMP	Jump to previous channel.	16
9 PROG +/-	<ul style="list-style-type: none"> • Select program number. • View next/previous 12 TV programs in PROGRAM INDEX. 	15 23
10 ⏻ ⊗	<ul style="list-style-type: none"> • Set projection TV to turn off automatically. • Show TV screen while waiting for Teletext page. 	17 29
11 ⏻ ⓘ	<ul style="list-style-type: none"> • Set projection TV to turn on automatically. • Display Teletext service contents. 	17 29
12 🔊 +/-	Adjust volume.	16



Button	Function	Page
13 VIDEO I /	<ul style="list-style-type: none"> Power. Use with the number buttons to set up the remote. 	31 30
14 DRC-MF	Select DRC-MF mode.	19
15 A/B	<ul style="list-style-type: none"> Select stereo/bilingual mode. Enlarge the Teletext display. 	26 29
16 PROG INDEX	Display all preset TV programs.	23
17	<ul style="list-style-type: none"> Select, adjust and confirm selected items in the menu. Adjust twin picture size. Display TWIN pictures. Select a program of the right picture. Select desired program in PROGRAM INDEX. Operate optional components. 	35 21 22 22 24 31
18 MENU	Display the menu.	35
19	Swap the left and right pictures.	21
20	Display TWIN pictures.	20
21	Swap sound between the left and right pictures.	21
22	Display a Teletext page.	28
23 (red)	<ul style="list-style-type: none"> Select picture mode. Access a FASTEXT menu. 	18 29
24 (green)	<ul style="list-style-type: none"> Select sound mode. Access a FASTEXT menu. 	18 29
25 (blue)	<ul style="list-style-type: none"> Select wide mode. Access a FASTEXT menu. 	37 29
26 (yellow)	<ul style="list-style-type: none"> Select surround mode. Access a FASTEXT menu. 	25 29
27 RESET	Reset items in the menu to the factory preset values.	34
28 OPTION	Use with to operate optional components.	31



Specifications

	KP-FX53M61	KP-FX43M61
Projection system	3 picture tubes, 3 lenses, horizontal inline system	
Picture tube	7 inch high-brightness monochrome tubes, with optical coupling and liquid cooling system	
Projection lenses	High performance, large-diameter highbrid lens F1.0	
Screen size	53 inches	43 inches
Television system	B/G, I, D/K, M	
Color system	PAL, PAL 60, SECAM, NTSC4.43, NTSC3.58	
Stereo/Bilingual system	NICAM Stereo/Bilingual B/G, I; A2 Stereo/Bilingual (German) B/G	
Channel coverage	VHF : E2 to E12 / UHF : E21 to E69 / CATV : S01 to S03, S1 to S41	
B/G	UHF : B21 to B68 / CATV : S01 to S03, S1 to S41	
I	VHF : C1 to C12, R1 to R12 / UHF : C13 to C57, R21 to R60 / CATV : S01 to S03, S1 to S41, Z1 to Z39	
D/K	VHF : A2 to A13 / UHF : A14 to A79 / CATV : A-8 to A-2, A to W+4, W+6 to W+84	
M		
Antenna	75-ohm external terminal	
Audio output (Speaker)	12W + 12W (7% distortion)	
Number of terminal		
 (Video)	Input: 4 Output: 1	Phono jacks; 1 Vp-p, 75 ohms
 (Audio)	Input: 4 Output: 1	Phono jacks; 500 mVrms
 (S Video)	Input: 2	Y: 1 Vp-p, 75 ohms, unbalanced, sync negative C: 0.286 Vp-p, 75 ohms
 (Component Video)	Input: 2	Phono jacks Y: 1 Vp-p, 75 ohms, sync negative P _B /C _B : 0.7 Vp-p, 75 ohms P _R /C _R : 0.7 Vp-p, 75 ohms Audio: 500 mVrms
 (G/B/R/HD/VD Video)	Input: 1	Phono jacks G: 0.7 Vp-p, 75 ohms B: 0.7 Vp-p, 75 ohms R: 0.7 Vp-p, 75 ohms HD: 0.7 Vp-p, 75 ohms VD: 0.7 Vp-p, 75 ohms
 (Headphones)	Output: 1	Stereo minijack
Power requirements	110-240 V AC, 50/60Hz	
Power consumption (W)	260 W	
Dimensions (w/h/d, mm)	1136 × 1438 × 666	926 × 1255 × 534
Mass (kg)	86	65.5

Design and specifications are subject to change without notice.

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