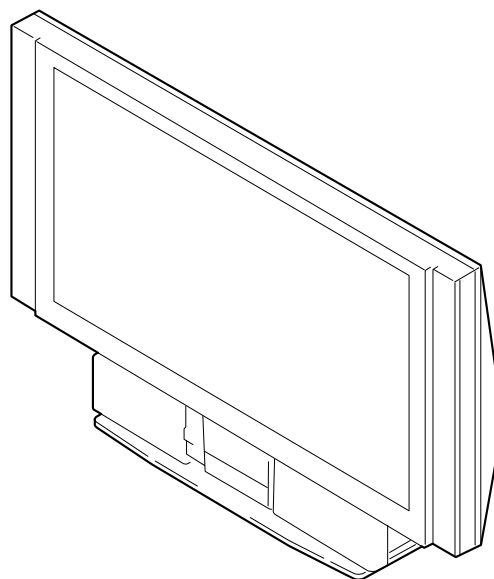


SERVICE MANUAL

LE-3A CHASSIS

<u>MODEL</u>	<u>COMMANDER</u>	<u>DEST.</u>
KF-42SX200	RM-905	AEP
KF-42SX200K	RM-905	OIRT
KF-42SX200U	RM-905	UK



LCD PROJECTION TV
SONY®

SPECIFICATIONS

TV system

B/G/H, D/K, I, L

Colour system

PAL, SECAM

NTSC 3.58, 4.43 (only Video In)

Channel coverage

VHF: E2-E12

UHF: E21-E69

CATV: S1-S20

HYPER: S21-S41

D/K: R1-R12, R21-R69

I: UHF B21-B69

L: F2-F10, B-Q, F21-F69

Projected picture size

42 inches (approx. 107 cm measured diagonally).

Rear Terminals

-  **←C-** Centre speaker input terminals (2 terminals)
-  (L, R) audio outputs (phono jacks)
-  1/  1 21-pin Euro connector (CENELEC standard) including TV audio/video input, RGB input, TV audio/video output.
-  2/  2 21-pin Euro connector (CENELEC standard) including audio/video input, RGB input, audio/video output (monitor out).
-  3/  3 (SMARTLINK) 21-pin Euro connector (CENELEC standard) including audio/video input, S video input, selectable audio/video output and Smartlink interface.

Front Terminals

-  4 S video input - 4 pin DIN
-  4 video input - phono jack
-  4 audio inputs - phono jacks
-  Headphones jack - minijack stereo

Sound output

2 x 20 W (music power)

2 x 15 W (RMS)

Centre SP input

30 W (RMS) (using as the centre speaker)

Power consumption

210 W

Standby Power consumption

≤ 1 W

Dimensions (w x h x d)

Approx. 1200 x 790 x 343 mm

Weight

Approx. 37 kg

Accessories supplied

- 1 Remote Control (RM-905)
- 2 Batteries (IEC designated, AAA size)
- 1 Hexagon key
- 2 Brackets
- 2 Screws
- 1 Cleaning Cloth

Other features

- Digital Comb filter (High resolution)
- TELETEXT, Fastext, TOPtext (2000 page TEXT memory)
- NexTVView
- NICAM
- Sleep Timer
- Smartlink
- Noise Reduction
- Graphic Equaliser
- Personal ID
- Dolby Virtual
- BBE

Design and specifications are subject to change without notice.

Ecological Paper - Totally Chlorine Free 

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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 AP-
PEAR AS SHOWN IN THIS MANUAL OR IN SUPPLE-
MENTS PUBLISHED BY SONY.

SECTION 1

SELF DIAGNOSIS FUNCTION

1-1. LE-3A SELF DIAGNOSTIC SOFTWARE

The identification of errors within the LE-3A chassis is triggered in one of two ways : - 1: Busy or 2: Device failure to respond to IIC. In the event of one of these situations arising the software will first try to release the bus if busy (Failure to do so will report with continuous flashing LED) and then communicate with each device in turn to establish if a device is faulty. If a device is found to be faulty the relevant device number will be displayed through the LED (Series of flashes which must be counted) See table 1., non fatal errors are reported using this method.

Diagnostic Item Description	No. of times Standby LED Flashes	Probable cause Location	Detected Symptoms
Power does not turn on	Does not light	Power cord is not plugged in Fuse is Burned out	Power does not come on No power is supplied to the TV AC power supply is faulty
SET 5V Down	2 times	Q1606, 1607 Power FET is shorted (G Board)	Power does not come on Load on power line has shorted

ERROR	STBY LED ERROR COUNT
No error	00
Not allowed (may be confused with Sircs response flash)	01
SET 5V Down	02
Lamp Cover error	03
Fan error	04
Lamp Driver error	05
Not used	06
Speaker Protection	07
General IIC Line 0 error	08
MEGATEXT (IC9502)	09
NVM (IC9108)	10
Main colour decoder (IC8301)	11
MCP (IC701)	14
Multi sound processor (IC4702)	15
Auto Wide (IC8700)	16
External RAM (IC9107)	17
Lamp error	Lamp LED continually on

Flash Timing Example : e.g. error number 3



1-2. ERROR DETECTION MONITOR

Device acknowledge is used to check IIC errors.

Each device is checked three times, if there is no acknowledge after every attempt, it will be regarded as an error.

There are three step to check errors.

1. IIC line 0
If all devices except the NVM have errors, IIC line 0 error is displayed.
2. Each device check
if IIC line error and board error are not detected then the device with an error is displayed.

The detected errors can be displayed as follows:

1. Error Monitor Menu
2. Error Reader

1-2-1. Error Monitor Menu

The error monitor menu is displayed by selecting Service mode : Monitoring. The following menu will be displayed:

Error Monitor				
1	Ignore Errors	OFF	ON	ON
Operating Time :		000021 h 40 min		
Stored Errors :				
1.	J-B MSP3411G			
2.	B3-B CXA2101 MCP			
3.	J-B CXA2123 Main Col Dec			
4.	Error Code Not Valid			
5.	Error Code Not Valid			
Current Error :				
Start Error Sequence				

Error Monitor

Error Monitor		
1	LAMP	:0
5	LAMP DRIVER	:0
4	FAM	:0
3	LAMP COVER	:1
	WDT-E	:0

LCD-Engine error menu

1-2-2. Error Reader Display

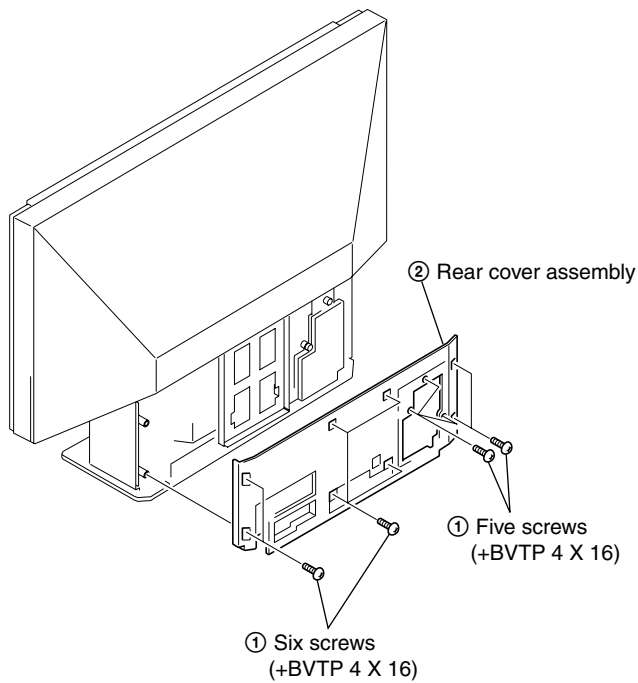
The error reader display is connected to the service connector to read actual error codes. The part number for the error reader display is S-188-900-10.

Once an error has been detected it will then be displayed on the two digit error reader. The errors displayed refer to the following table:

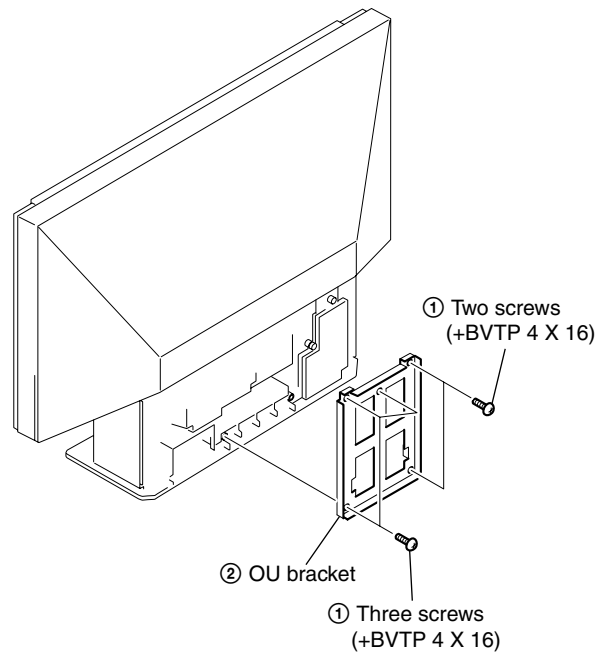
Send Data to Error Reader				
Error Code	Data High	Data Low	Error Type	Function
00 00h	–	f0h	no device	
Gen. IIC Error				
00 01h	f0h	01h	IIC 0 line	
00 02h	f0h	02h	IIC 1 line	not used
Device Error				
A Board				
01 01h	f1h	01h	CXA1875	Port Expander
01 02h	f1h	02h	TU1301	Main Tuner
01 03h	f1h	03h	TU1302	Sub Tuner
BB Board				
04 01h	f4h	01h	CXD9509	MID-X
BB Board				
06 01h	f6h	01h	CXA2101	MCP
J Board				
04 04h	f4h	04h	TDA9178	Picture Booster
07 03h	f7h	03h	CXA2123	Sub Colour
07 04h	f7h	04h	CXA2123	Main Colour
07 0Ah	f7h	0Ah	CXA2149	AV SW
S Board				
07 08h	f7h	08h	MSP3411G	Sound Proc
M Board				
08 01h	f8h	01h	M24C32	NVM

SECTION 2 DISASSEMBLY

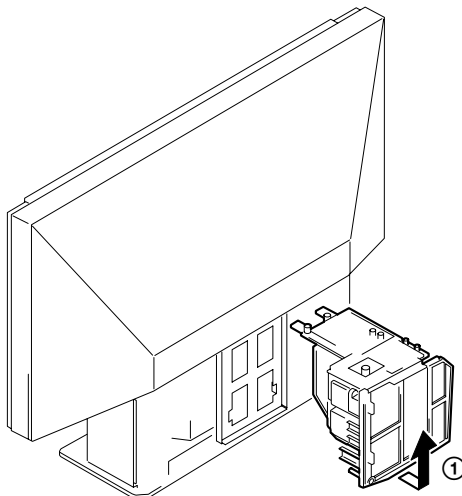
2-1. REAR COVER ASSEMBLY



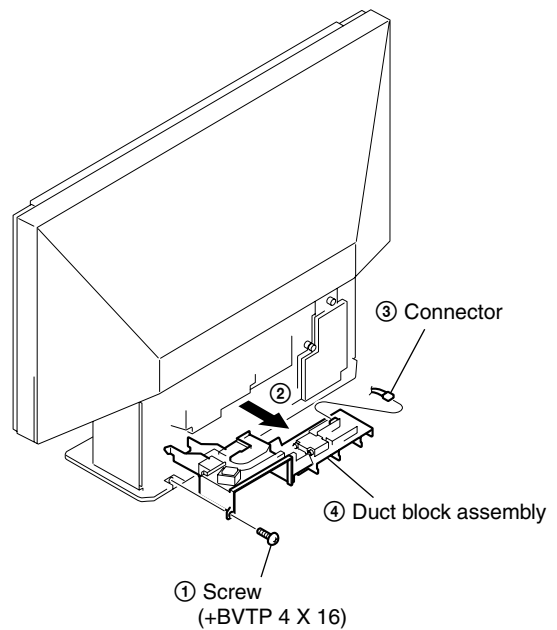
2-3. OU BRACKET REMOVAL



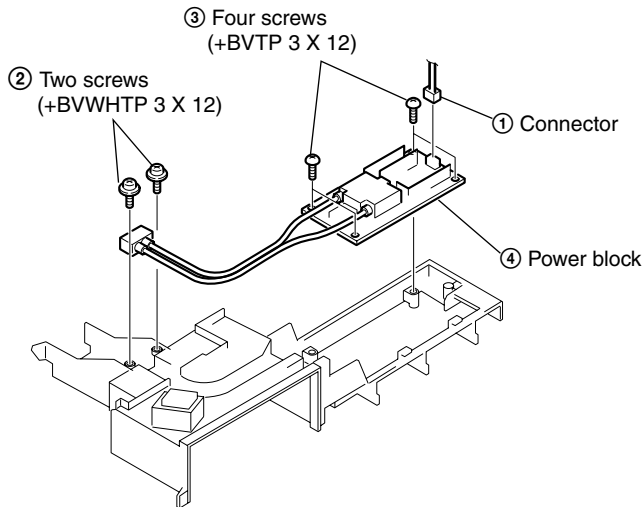
2-2. SERVICE POSITION



2-4. DUCT BLOCK ASSEMBLY



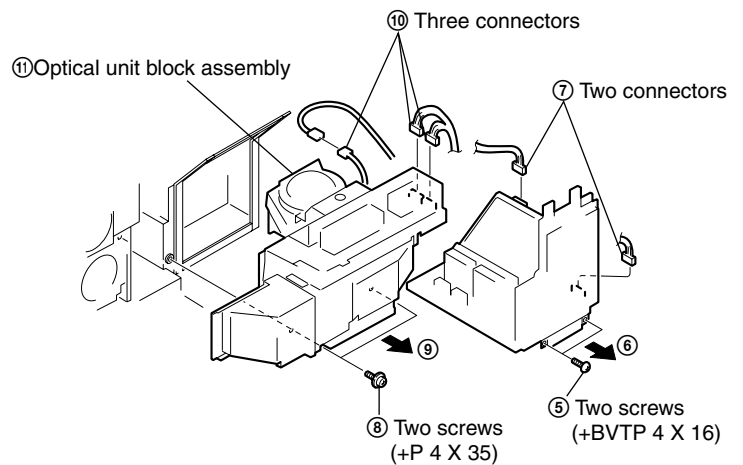
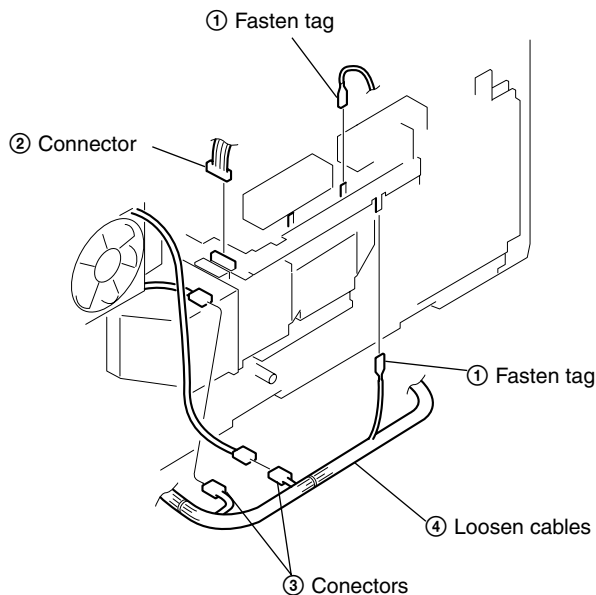
2-5. POWER BLOCK



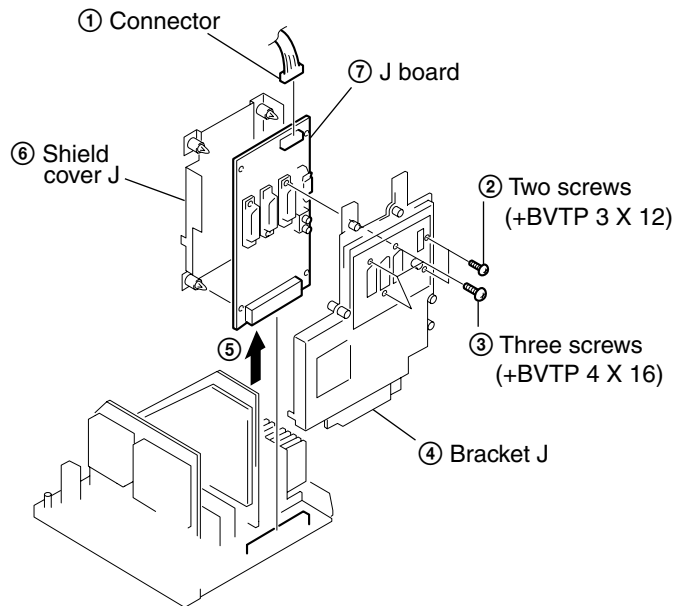
2-6. OPTICAL UNIT BLOCK ASSEMBLY

Note: Be careful about the no dust or dirt are on the surface contacts the optical unit block assembly.

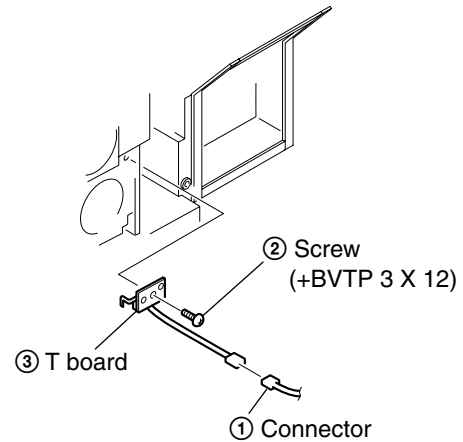
- Clean the periphery of the set.
- Clean the periphery of the optical unit block assembly in the set (the inside of the control panel, the surface contacts between the optical unit block assembly and the bottom cabinet and periphery).



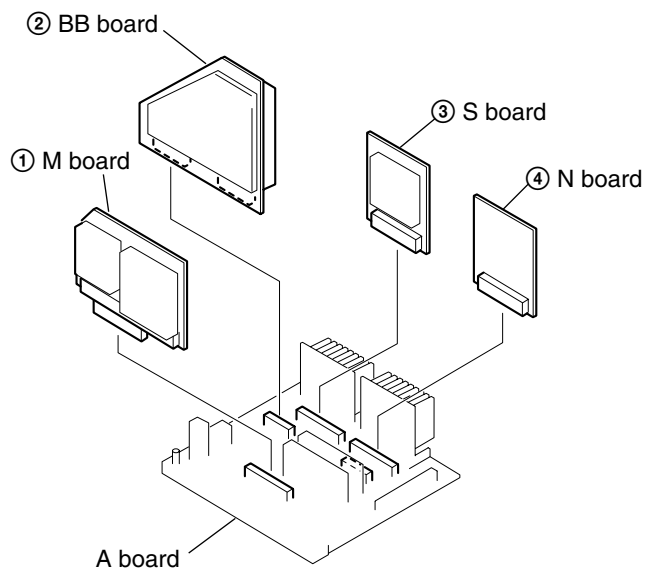
2-7. J BOARD REMOVAL



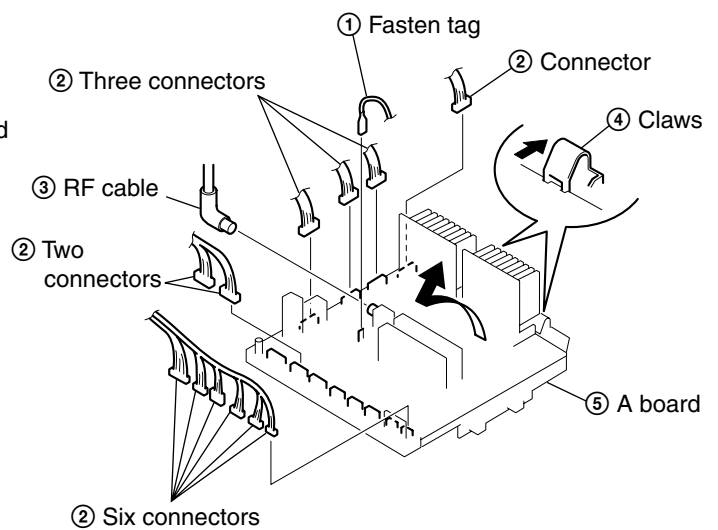
2-9. T BOARD REMOVAL



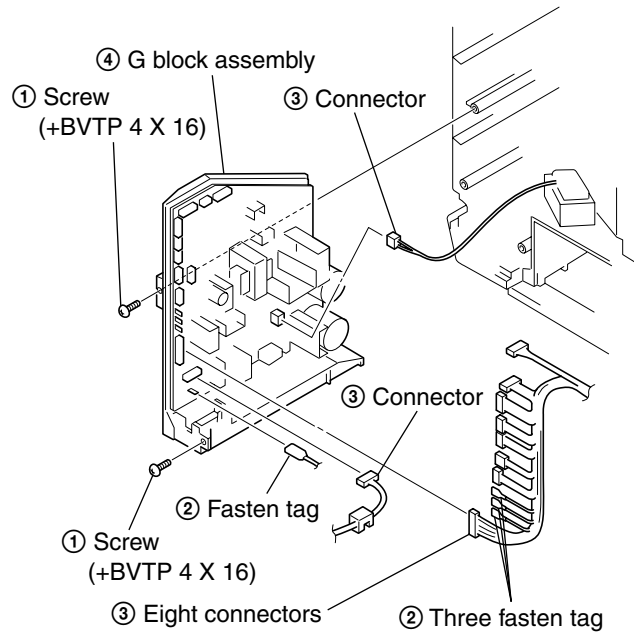
2-8. M, BD, S, N BOARDS REMOVAL



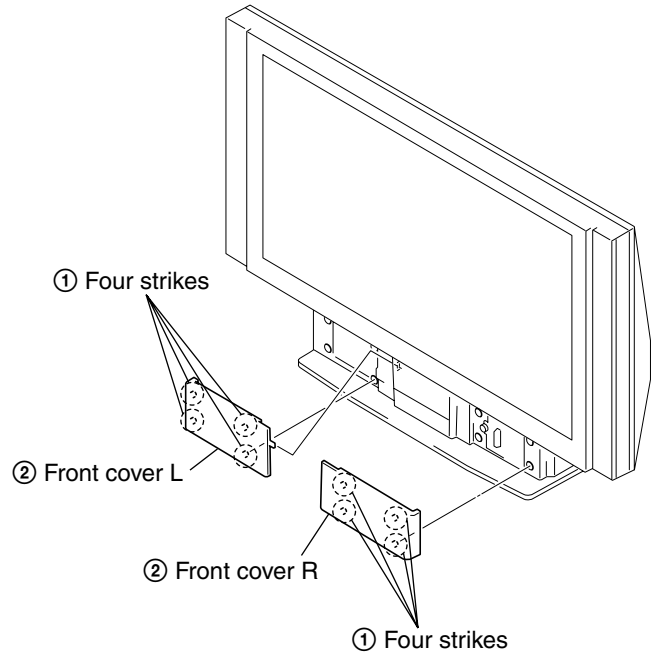
2-10. A BOARD REMOVAL



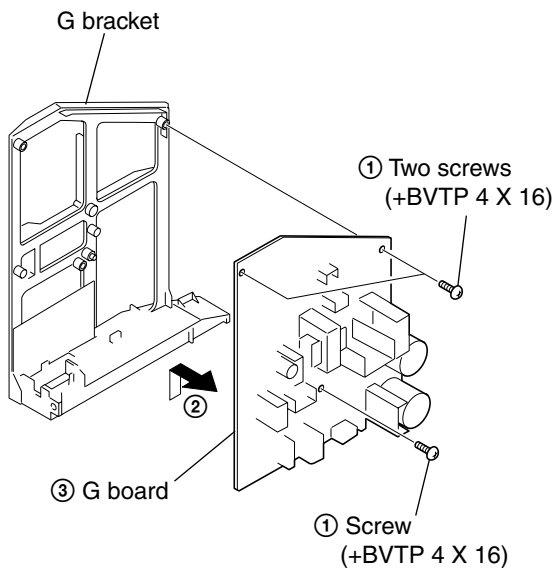
2-11. G BLOCK ASSEMBLY REMOVAL



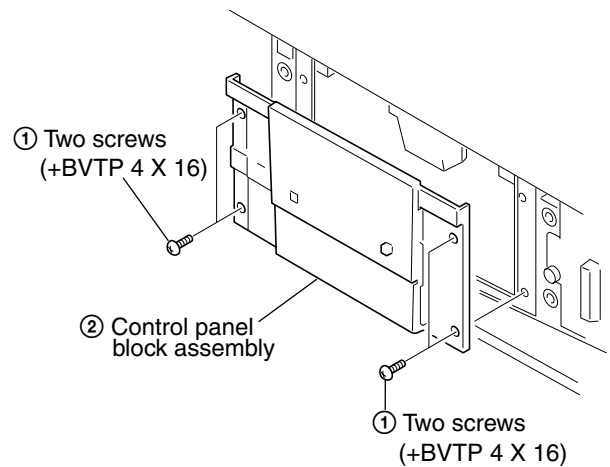
2-13. FRONT COVERS REMOVAL



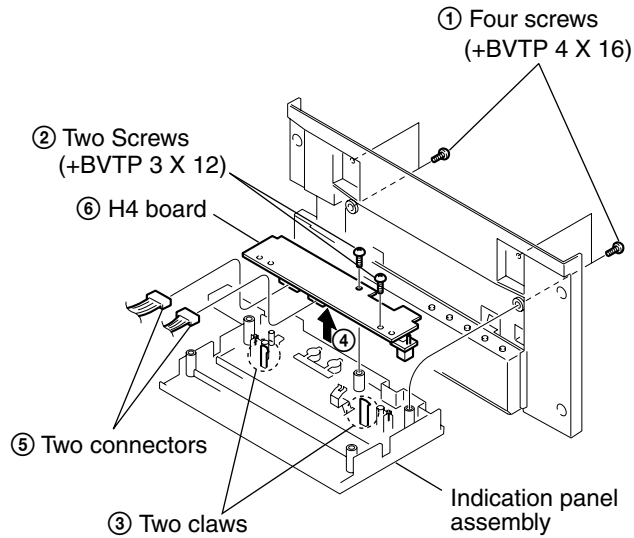
2-12. G BOARD REMOVAL



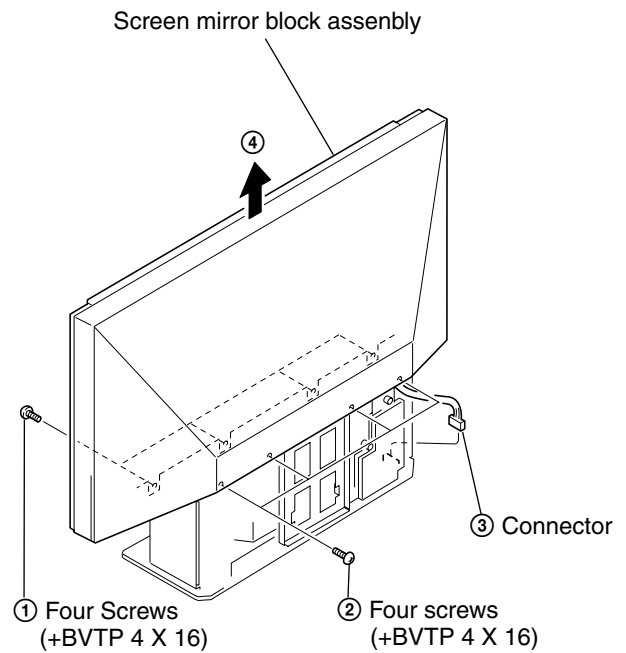
2-14. CONTROL PANEL BLOCK ASSEMBLY REMOVAL



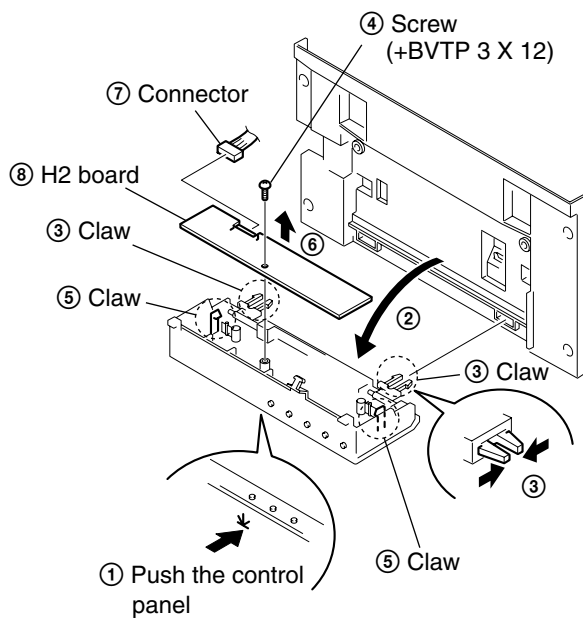
2-15. H4 BOARD REMOVAL



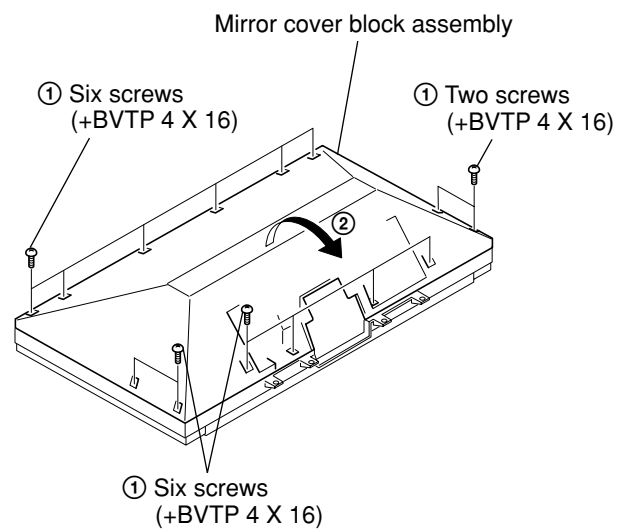
2-17. SCREEN MIRROR BLOCK ASSEMBLY



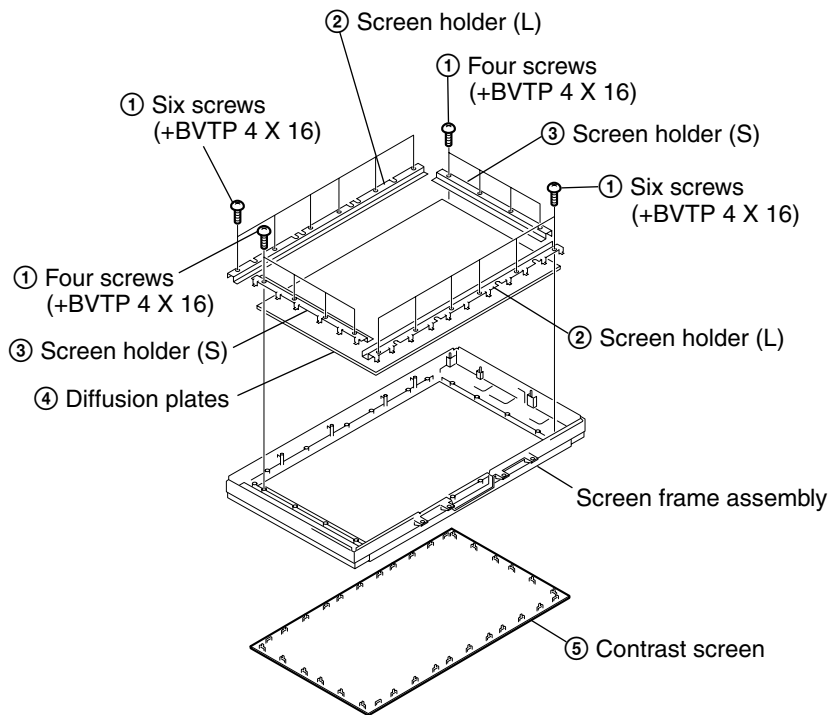
2-16. H2 BOARD REMOVAL



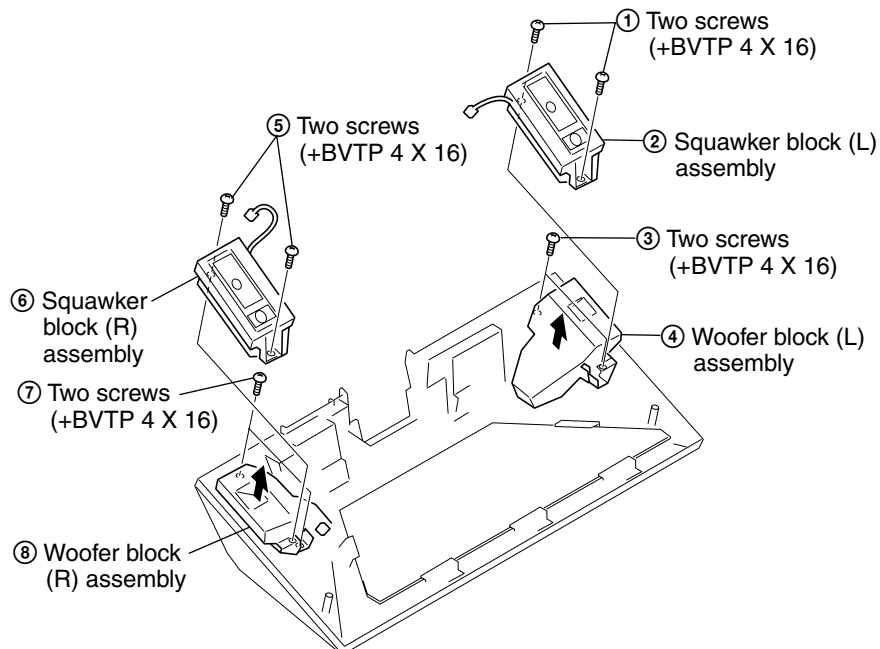
2-18. MIRROR COVER BLOCK ASSEMBLY REMOVAL



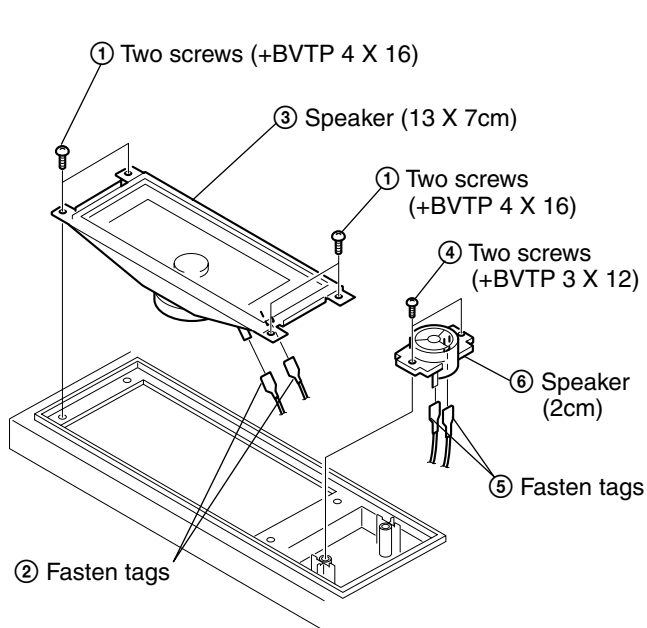
2-19. CONTRAST SCREEN, DIFFUSION PLATES REMOVAL



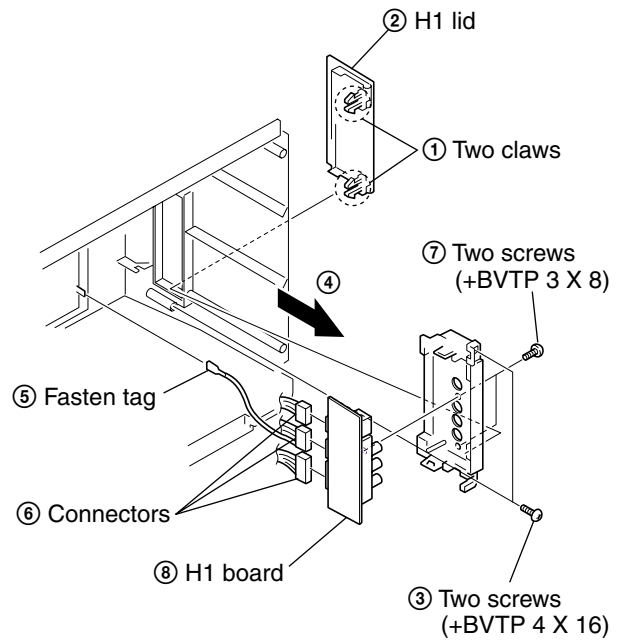
2-20. SQUAWKER BLOCK ASSEMBLIES, WOOFER BLOCK ASSEMBLY REMOVAL



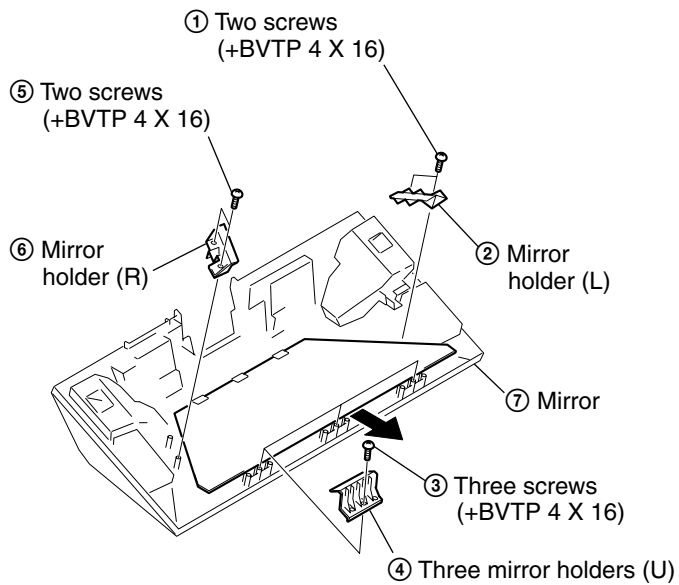
2-21. SPEAKERS REMOVAL



2-23. H1 BOARD REMOVAL



2-22. MIRROR REMOVAL

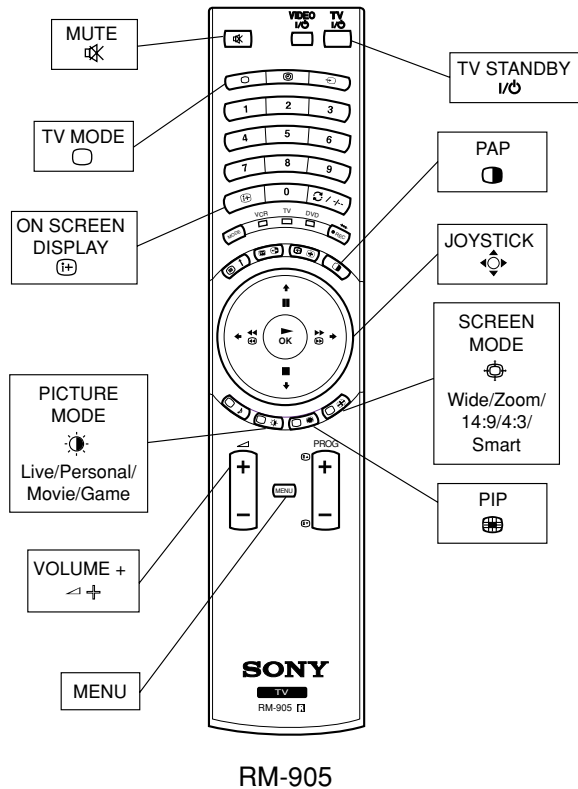


SECTION 3

ELECTRICAL ADJUSTMENTS

3-1. ADJUSTMENTS WITH COMMANDER

Service adjustment to this model can be performed with the supplied remote commander RM-905.



RM-905

3-1-1. How to Select Each Mode

1. Selection of Mode between PAL and NTSC

PAL mode : Enter PAL signal with color burst.

NTSC mode: Enter NTSC signal with color burst. (VIDEO input only)

2. Selection of Picture Mode

- 1) Press "GREEN" button on the commander.
- 2) Press ▲ or ▼ key on the joystick to select picture mode and press "OK" button. At this time, normal screen comes back. (In the TT mode, the menu is switched to the Service menu.)

3. Selection of Screen Mode

- 1) Press "BLUE" button on the commander.
- 2) Press ▲ or ▼ key on the joystick to select screen mode and press "OK" button. At this time, normal screen comes back. (In the TT mode, the menu is switched to the Service menu.)

4. Displaying Multi PIP Mode

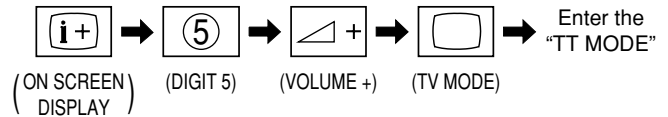
- 1) Press "YELLOW" button on the commander.
- 2) Press it once more, normal screen comes back. (In the TT mode, the menu is switched to the Service menu.)

5. Displaying PAP Mode

- 1) Press "P" button on the commander.
- 2) Press it once more, normal screen comes back. (In the TT mode, the menu is switched to the Service menu.)

3-1-2. How to Enter TT 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 commander as follows, and the TT mode will be selected.



"TT - -" will appear in the top right corner of the screen.

Other status information will also be displayed.

3. If "TV MODE" button or "0" + "0" button is pressed, the set exits from the TT mode and returns to normal TV mode.

3-1-3. How to Enter Service Menu

1. Select TT mode.
2. Press "MENU" button on the commander once, and normal menu screen will appear, or press it once more, and the following service menu screen will appear.

```
Service AE5 (A)

Initialising
Reset Devices
Monitoring
Device Register Setting
Special Adjustment

Select : ▲▼ Next menu : ►
```

3. Following the screen, press ▲ or ▼ key on the joystick to select the desired item, and press ► key to enter the selected item.
4. Press ▲ or ▼ key on the joystick to change data of each item, and press "OK" button to write changed data. (Except Projector Engine mode)
5. To return from each item, press ◀ key on the joystick. Or, to return to the TT mode, press the "MENU" button. (Except Projector Engine mode)

3-1-4. Screen Display for Service Menu

If each item of service menu is selected, the following screen is displayed.

• Initialising

```

Initialising

Model Setting
Destination Setting
Basic Setting
Feature Setting

Select : ▲▼ Next menu : ►

```

• Initialising ➔ Model Setting

```

Model Setting

1 KV-29FX60
2 KV-29FC60
3 KV-29FS60
4 KV-28FX60
5 KV-32FX60
6 KV-32FS60
7 KV-28FC60
8 KV-32FC60
9 KP-44PS3
10 KP-51PS3
11 KF-50SX200
12 KDP-44NX1U
13 KDP-51NX1U
14 KP-48PS1/PS2
15 KP-53PS1/PS2
16 KP-61PS1/PS2
17 KP-44PS2
18 KP-51PS2
19 KF-50SX100

BLACK = No conformity
GREEN = Compatible Model
RED = Conformity for all data

Select : ▲▼ Last menu : ◀ Set Model : ►

```

• Initialising ➔ Destination Setting

```

Destination Setting

Multi
A
B
D
E
K
R
U
GA

BLACK = No conformity
GREEN = Compatible Destination
RED = Conformity for all data

Select : ▲▼ Last menu : ◀ Set Dest. : ►

```

• Initialising ➔ Basic Setting

```

Basic Setting

No  Descr.           Min    Max    Data

1  Sys. B/G         OFF    ON     ON
2  Sys. D/K         OFF    ON     ON
3  Sys. L           OFF    ON     ON
4  Sys. I (UK)      OFF    ON     ON
5  Sys. I (IRL)     OFF    ON     OFF
6  TXT Nat.Option   1      4      3
7  Simple PAT       OFF    ON     ON
8  16 : 9 CRT       OFF    ON     ON
9  Sub-Woofer       OFF    ON     ON
10 Auto Stand-By    OFF    ON     ON
11 Comb-Filter      OFF    ON     ON
12 Auto YC det      OFF    ON     ON
13 Auto Comb det    OFF    ON     ON
14 AV2 Available    OFF    ON     ON
15 AV3 Available    OFF    ON     ON
16 AV4 Available    OFF    ON     ON
17 AV3 Front&Rear   OFF    ON     OFF
18 SECAM Tape       OFF    ON     ON
19 AV1 SoundMute    OFF    ON     OFF

Select : ▲▼ Last menu : ◀ Enter Item : ►

```

• Initialising ➔ Feature Setting

```

Feature Setting

No  Descr.           Min    Max    Data

1  PAP              OFF    ON     ON
2  PAT              OFF    ON     ON
3  INDEX            OFF    ON     ON
4  EPG              OFF    ON     ON
5  Full EPG         OFF    ON     ON
6  PictBoostBypass  OFF    ON     OFF

Select : ▲▼ Last menu : ◀ Enter Item : ►

```

• Reset Devices

```

Reset Devices

Colour Decoder 1
Colour Decoder 2
Audio/Video Switch
MID-X
External PLL MID-X
Gate Array Chip
AutoWide
Sound
Picture Booster
MCP
Analog NR

Select : ▲▼ Last menu : ◀ Reset Dev. : ►

```

• Monitoring

Monitoring

Device Status Monitor
Error Monitor
LCD-Engine error menu
Production Monitor
NVM Monitor
Format Monitor
CNI Monitor

Select : ▲▼ Next menu : ►

• Device Register Setting

Device Register Setting

Colour Decoder 1
Colour Decoder 2
Audio/Video Switch
MID-X
External PLL MID-X
Gate Array Chip
Autowide
Sound
Projector Engine
Picture Booster
MCP
Analog NR

Select : ▲▼ Next menu : ►

• Device Register Setting ➔ Colour Decoder 1

Colour Decoder 1

No	Descr.	Def.	Min	Max	Data
1	TINT	31	0	63	31
2	SUB COLOUR	7	0	15	7
3	SUB CONTR	7	0	15	7
4	SHARP GAIN	8	0	15	8
5	Y-OUT LEV.	35	0	63	35
6	C-OUT LEV.	45	0	63	45
7	Y-DL	8	0	10	8
8	Cr OFF.1	7	0	15	7
9	Cb OFF.1	7	0	15	7
10	Cr OFF.2	7	0	15	7
11	Cb OFF.2	7	0	15	7
12	V CD FREQ	3	0	7	3
13	V CD MODE	1	0	3	1
14	MVM	OFF	OFF	ON	OFF
15	S R-Y ADJ	7	0	15	7
16	S B-Y ADJ	2	0	15	2
17	BELL/HPF	2	0	3	2
18	BELL F0	OFF	OFF	ON	OFF
19	S GP	0	0	3	0

Select : ▲▼ Last menu : ◀ Enter Item : ►

• Device Register Setting ➔ Colour Decoder 2

Colour Decoder 2

No	Descr.	Def.	Min	Max	Data
1	TINT	31	0	63	31
2	SUB COLOUR	7	0	15	7
3	SUB CONTR	7	0	15	7
4	SHARP GAIN	8	0	15	8
5	Y-OUT LEV.	35	0	63	35
6	C-OUT LEV.	45	0	63	45
7	Y-DL	8	0	10	8
8	Cr OFF. 1	7	0	15	7
9	Cb OFF. 1	7	0	15	7
10	Cr OFF. 2	7	0	15	7
11	Cb OFF. 2	7	0	15	7
12	V CD FREQ	3	0	7	3
13	V CD MODE	1	0	3	1
14	MVM	OFF	OFF	ON	OFF
15	S R-Y ADJ	7	0	15	7
16	S B-Y ADJ	2	0	15	2
17	BELL/HPF	2	0	3	2
18	BELL F0	OFF	OFF	ON	OFF
19	S GP	0	0	3	0

Select : ▲▼ Last menu : ◀ Enter Item : ►

• Device Register Setting ➔ Audio/Video Switch

Audio/Video Switch

No	Descr.	Def.	Min	Max	Data
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• Device Register Setting ➔ MID-X

MID-X

No	Descr.	Def.	Min	Max	Data
1	M H POS	8	-31	31	8
2	S H POS	2	-8	8	2
3	D YS SEL	1	0	3	1
4	D YS DELAY	7	0	7	7
5	D SYNC MOD	ON	OFF	ON	ON
6	Text Sharp	OFF	OFF	ON	OFF

Select : ▲▼ Last menu : ◀ Enter Item : ►

• Device Register Setting ➔ External PLL MID-X

External PLL MID-X					
No	Descr.	Def.	Min	Max	Data
1	VCO7-0PAL	184	0	255	184
2	VCO7-0NTSC	172	0	255	172
3	VCO11-8	6	0	15	6
4	DIV1,2,4,8	2	0	3	2
5	Fine Delay	0	0	63	0
6	Coar.Delay	0	0	3	0
7	Ch. Pump	0	0	3	0
8	PD Pol.	ON	OFF	ON	ON
9	DSync Wdth	3	0	3	3
10	DSync Del	OFF	OFF	ON	OFF
11	Sync Pol	ON	OFF	ON	ON
12	DSync Pol	ON	OFF	ON	ON
13	Clk En	ON	OFF	ON	ON
14	NClk En	OFF	OFF	ON	OFF
15	Clk/2 En	OFF	OFF	ON	OFF
16	NClk/2 En	OFF	OFF	ON	OFF
17	DSync En	ON	OFF	ON	ON
18	Unlock En	OFF	OFF	ON	OFF
19	VCO Bypass	ON	OFF	ON	ON
20	Synth Pwr	ON	OFF	ON	ON
21	Rdout Pwr	OFF	OFF	ON	OFF
22	DIVOUT En	ON	OFF	ON	ON
23	DSync Byp	OFF	OFF	ON	OFF
24	DSync Hold	OFF	OFF	ON	OFF

Select : ▲▼ Last menu : ◀ Enter Item : ▶

• Device Register Setting ➔ Gate Array Chip

Gate Array Chip					
No	Descr.	Def.	Min	Max	Data
1	SMART	OFF	OFF	ON	OFF
2	ROM Curve	0	0	1	0
3	H Offset	0	-15	15	0

Select : ▲▼ Last menu : ◀ Enter Item : ▶

• Device Register Setting ➔ Auto wide

Auto wide					
No	Descr.	Def.	Min	Max	Data
1	Upaara	ON	OFF	ON	ON
2	Upthin	OFF	OFF	ON	OFF
3	Enjtoz	OFF	OFF	ON	OFF
4	X149j	ON	OFF	ON	ON
5	Syncslc	OFF	OFF	ON	OFF
6	Tm	1	0	3	1
7	Uprlv1	OFF	OFF	ON	OFF
8	Ofslv1	OFF	OFF	ON	OFF
9	Alpf	3	0	3	3
10	eddec2	3	0	3	3
11	Lnstblz	ON	OFF	ON	ON
12	Lnhys	OFF	OFF	ON	OFF
13	Drkpri	ON	OFF	ON	ON

Select : ▲▼ Last menu : ◀ Enter Item : ▶

• Device Register Setting ➔ Sound

Sound					
No	Descr.	Def.	Min	Max	Data
1	Carr.-Mute	ON	OFF	ON	ON
2	SCART1 Vol	79	0	127	79
3	SCART2 Vol	79	0	127	79
4	SCART-Pr.	27	0	127	27
5	I2S1-Pr.	16	0	127	16
6	I2S2-Pr.	16	0	127	16
7	FM Pr.	27	0	127	27
8	BG Nic.Pr.	53	0	127	53
9	L Nic. Pr.	59	0	127	59
10	DK Nic.Pr.	53	0	127	53
11	I Nic. Pr.	97	0	127	97
12	Irl NicPr.	97	0	127	97
13	Subw. Vol.	-2	-127	0	-2
14	Bass Offs	0	-3	3	0
15	TrebleOffs	0	-3	3	0
16	Loudn.Offs	0	0	9	0
17	HP-VolOffs	-2	-5	5	-2
18	M-S Limit	30	-128	127	30
19	M-B Limit	-30	-128	127	-30
20	S-M Limit	12	-128	127	12
21	S-B Limit	-20	-128	127	-20
22	B-M Limit	-12	-128	127	-12
23	B-S Limit	20	-128	127	20
24	Err. Max	40	0	255	40
25	Err. Min	18	0	255	18
26	Vol.Offset	0	-6	0	0
27	High Dev.	OFF	OFF	ON	OFF
28	FIR2 500k	ON	OFF	ON	ON
29	Loud.Gain	0	0	68	29
30	Loud.Mode	50	0	8	8
31	Virt.Surr.	OFF	OFF	ON	OFF
32	Spat.Eff.	64	0	127	0
33	Virt.Eff.	90	0	127	90
34	Virt.Mode	6	5	6	6
35	Noise Gen.	OFF	OFF	ON	OFF
36	Channel	10	10	13	10

Select : ▲▼ Last menu : ◀ Enter Item : ▶

• Device Register Setting ➔ Picture Booster

Picture Booster					
No	Descr.	Def.	Min	Max	Data
1	DEM	OFF	OFF	ON	OFF

Select : ▲▼ Last menu : ◀ Enter Item : ▶

• Device Register Setting ➔ MCP

MCP					
No	Descr.	Def.	Min	Max	Data
1	Contrast	46	0	63	46
2	Hue	32	0	63	32
3	System	1	0	3	1
4	Colour	29	0	63	24
5	Brightness	55	0	63	55
6	Sharpness	31	0	63	29
7	R-Drive	42	0	63	42
8	D-Col	OFF	OFF	ON	OFF
9	G-Drive	42	0	63	42
10	B-Drive	42	0	63	42
11	R-Cutoff	20	0	63	20
12	G-Cutoff	20	0	63	20
13	B-Cutoff	20	0	63	20
14	H-Width	0	0	3	0
15	CR-Offset 1	2	0	15	11
16	CB-Offset 1	2	0	15	11
17	Sub-Contr.	7	0	15	7
18	Sub-Colour	7	0	15	7
19	Sub-Hue	7	0	15	7
20	CTI-Level	1	0	3	1
21	R-Y/R	10	0	15	10
22	R-Y/B	15	0	15	15
23	G-Y/R	10	0	15	10
24	G-Y/B	7	0	15	7
25	Gamma	3	0	15	3
26	P-Abl	15	0	15	15
27	BLK-Bottom	5	0	15	5
28	Sub-Sharp	1	0	3	1
29	Sharp.F0	2	0	3	2
30	Pre/Over	1	0	3	1
31	LTI-Level	1	0	3	1
32	DC-Tran	0	0	3	0
33	DPIC-Level	0	0	3	0

Select : ▲▼ Last menu : ◀ Enter Item : ▶

• Special Adjustment

Special Adjustment				
No	Descr.	Min	Max	Data
1	RGB Level	0	7	0
2	RGB Gain	0	31	23
3	RGB PAT Level	0	7	0
4	RGB PAT Gain	0	31	18
5	Extra FW	0	255	255
6	EPG ChkS Check	OFF	ON	ON
7	Slicer High	OFF	ON	ON
8	FCW Wide	OFF	ON	ON
9	Mpeg NR	OFF	ON	OFF
10	Notch Filter	OFF	ON	OFF
11	NLD step	-7	0	-1
12	PKD step	-15	0	-5
13	CRD step	0	15	3
14	SHP step	-7	0	-3
15	COL step	-7	0	-1
16	NTSC AutoYc AV2	OFF	ON	OFF
17	NTSC AutoYc AV3	OFF	ON	OFF
18	RGB Disable	OFF	ON	OFF
19	Telop C/M	OFF	ON	ON
20	Intern GD	OFF	ON	ON
21	AV2 YC mix out	OFF	ON	OFF
22	Line 318 TXT	OFF	ON	ON
23	L Gating Main	OFF	ON	OFF
24	L Gating Sub	OFF	ON	OFF
25	Audio Gain Sub	OFF	ON	OFF
26	Auto Mute Sub	OFF	ON	ON

Select : ▲▼ Last menu : ◀ Enter Item : ▶

• Device Register Setting ➔ Analog NR

Analog NR					
No	Descr.	Def.	Min	Max	Data

3-1-5. Service List (Projector Engine) : Fixed data

D9512 TG

Category	Item number	Adjustment item	Standard data	Data range	Note	Device
D9512 TG	0	INV CTL	0	0, 1	INVERT CONTROL	CXD9512
	1	POS CTL	13	0-15	POSITION CONTROL	
	2	H POS	9	0-255	TG H POSITION	
	3	V POS H	4	0-255	TG V POSITION H	
	4	V POS D	30	0-255	TG V POSITION DOT	
	5	HST POL	0	0, 1	HST POLARITY	
	6	HCK W	0	0, 1	HCK WIDTH	
	7	HST POS	15	0-63	HST POSITION	
	8	HCK POL	1	0, 1	HCK POLARITY	
	9	HCK A-INVT	0	0, 1	HCK AUTO INVERT	
	10	VST POL	0	0, 1	VST POLARITY	
	11	VST A-INVT	0	0, 1	VST AUTO INVERT	
	12	HST PHA	1	0-15	HST PHASE	
	13	VCK POL	0	0, 1	VCK POLARITY	
	14	VST POS	0	0-127	VST POSITION	
	15	ENB POS	23	0-255	ENB POSITION	
	16	ENB W	40	0-255	ENB POSITION	
	17	BLK ON	0	0, 1	BLK ON	
	18	BLK POL	0	0, 1	BLK POLARITY	
	19	PCG POS	2	0-63	PCG POSITION	
	20	PCG B-OR	0	0, 1	PCG BLK OR	
	21	PCG B-SEL	0	0, 1	PCG BLK SELECT	
	22	PCG W	3	0-63	PCG WIDTH	
	23	PRG POS	2	0-63	PRG POSITION	
	24	PRG B-OR	0	0, 1	PRG BLK OR	
	25	PRG B-SEL	0	0, 1	PRG BLK SELECT	
	26	PRG W	9	0-63	PRG WIDTH	
	27	BLK POS	0	0-255	BLK POSITION	
	28	BLK W	0	0-255	BLK WIDTH	
	29	CLR W	0	0-255	CLR WIDTH	

D9512 IM

Category	Item number	Adjustment item	Standard data	Data range	Note	Device	
D9512 IM	0	V-ST-POS	9	0-255	V START POSITION	CXD9512	
	1	H-ST-POS	97	0-255	H START POSITION		
	2	SUB CON	32	0-63	SUB CONTRAST LEVEL		
	3	SUB BRT	12	0-63	SUB BRIGHT LEVEL		
	4	V BLKT H	0	0-255	V BLANKING POSITION TOP		
	5	V BLKT L	0	0-3	V BLANKING POSITION TOP2		
	6	V BLKB H	0	0-255	V BLANKING POSITION BOTTOM		
	7	V BLKB L	0	0-3	V BLANKING POSITION BOTTOM 2		
	8	H BLKL H	0	0-255	H BLANKING POSITION LEFT		
	9	H BLKL L	0	0-3	H BLANKING POSITION LEFT 2		
	10	H BLKR H	0	0-255	H BLANKING POSITION RIGHT		
	11	H BLKR L	0	0-3	H BLANKING POSITION RIGHT 2		
	12	ASL SW	0	0, 1	ASL SWITCH		
	13	ASL SEL	0	0-3	ASL SELECT		
	14	B PIC LV	0	0-15	BLUE PICASL LEVEL		
	15	B BRT LV	15	0-15	BLUE BRTASL LEVEL		
	16	G PIC LV	0	0-15	GREEN PICASL LEVEL		
	17	G BRT LV	15	0-15	GREEN BRTASL LEVEL		
	18	R PIC LV	0	0-15	RED PICASL LEVEL		
	19	R BRT LV	15	0-15	RED BRTASL LEVEL		
	20	PIC AREA	7	0-7	PICASL AREA		
	21	BRT AREA	7	0-7	BRTASL AREA		
	22	PIC ST	0	0-3	PICASL START TIMING		
	23	BRT ST	0	0-3	BRTASL START TIMING		
	24	PRE SL	3	0-3	PRE SLOPE		
	25	POST SL	3	0-3	POST SLOPE		
	26	APC MODE	2	0-2	APC MODE		
	27	APC SW	1	0, 1	APC SWITCH		
	28	APC TH	10	0-255	APC THRESHOLD		
	29	APC LIMIT	30	0-63	APC LIMITER		
30	APC LEV	60	0-255	APC LEVEL			
		LIVE	PERSONAL	MOVIE	GAME		
	31	G-PICT	100	69	66	0-100	PICTURE
	32	G-BRIGHT	51	51	51	0-100	BRIGHT

D9512 WB

Category	Item number	Adjustment item	Standard data	Data range	Note	Device
D9512 WB	0	B GAIN	127	0-255	W/B GAIN BLUE	CXD9512
	1	G GAIN	127	0-255	W/B GAIN GREEN	
	2	R GAIN	127	0-255	W/B GAIN RED	
	3	B BIAS	85	0-255	W/B BIAS BLUE	
	4	G BIAS	85	0-255	W/B BIAS GREEN	
	5	R BIAS	85	0-255	W/B BIAS RED	
	6	B GAIN H	143	0-255	W/B GAIN BLUE	
	7	G GAIN H	125	0-255	W/B GAIN GREEN	
	8	R GAIN H	130	0-255	W/B GAIN RED	
	9	B BIAS H	127	0-255	W/B BIAS BLUE	
	10	G BIAS H	130	0-255	W/B BIAS GREEN	
	11	R BIAS H	128	0-255	W/B BIAS RED	
	12	B GAIN L	115	0-255	W/B GAIN BLUE	
	13	G GAIN L	125	0-255	W/B GAIN GREEN	
	14	R GAIN L	144	0-255	W/B GAIN RED	
	15	B BIAS L	128	0-255	W/B BIAS BLUE	
	16	G BIAS L	127	0-255	W/B BIAS GREEN	
	17	R BIAS L	120	0-255	W/B BIAS RED	

D9512 TES

Category	Item number	Adjustment item	Standard data	Data range	Note	Device
D9512 TES	0	REF PER	1	0, 1	REFRESH PERMISSION	CXD9512
	1	REF LENG	0	0-7	REFRESH LENGTH	
	2	G-LUT SW	0	0, 1	GAMMA LUT THROUGH	
	3	CORR WGT	2	0-3	CORRECT WEIGHT	
	4	SHAD SW	0	0, 1	SHADING SWITCH	
	5	3D-G SW	1	0, 1	3D GAMMA SWITCH	
	6	3D-G Z	0	0, 1	3D GAMMA MODE Z	
	7	3D-G VH	0	0, 1	3D GAMMA MODE VH	
	8	3D-G BS	1	0, 1	3D GAMMA BLOCK SIZE	
	9	AGC P SW	1	0, 1	AGC PULSE SWITCH	
	10	AGC SHP POS	43	0-127	AGC SH PULSE POSITION	
	11	AGC SHP SEL	1	0-3	AGC SH PULSE SELECT	
	12	AGC SHP W	2	0-63	AGC SH PULSE WIDTH	

D9512 TPN

Category	Item number	Adjustment item	Standard data	Data range	Note	Device
D9512 TPN	0	T-PATN SW	0	0, 1	TEST PATTERN SWITCH	CXD9512
	1	T-SIG SEL	1	0-7	TEST SIGNAL SELECT	
	2	PATN DIR	1	0, 1	PATTERN DIRECTION	
	3	SIG LV DIR	0	0, 1	SIGNAL LEVEL DIRECTION	
	4	T-PATN PIT	144	0-255	TEST PATTERN PITCH	
	5	B-LV	25	0-63	BLUE TEST PATTERN LEVEL	
	6	G-LV	25	0-63	GREEN TEST PATTERN LEVEL	
	7	R-LV	25	0-63	RED TEST PATTERN LEVEL	
	8	T-PATN RGB	4	0-7	RGB TEST ENABLE	

D9512 TFR

Category	Item number	Adjustment item	Standard data	Data range	Note	Device
D9512 TFR	0	CRIP	1	0, 1	FRAME CRIP	CXD9512
	1	CUR TOP	0	0, 1	FRAME CURSOR TOP	
	2	CUR BOT	0	0, 1	FRAME CURSOR BOTTOM	
	3	CUR L	0	0, 1	FRAME CURSOR LEFT	
	4	CUR R	0	0, 1	FRAME CURSOR RIGHT	
	5	POS TOP	0	0-255	FRAME POSITION TOP	
	6	POS BOT	255	0-255	FRAME POSITION BOTTOM	
	7	POS L	0	0-255	FRAME POSITION LEFT	
	8	POS R	255	0-255	FRAME POSITION RIGHT	
	9	OSD B	25	0-31	BLUE OSD LEVEL	
	10	OSD G	25	0-31	GREEN OSD LEVEL	
	11	OSD R	25	0-31	RED OSD LEVEL	
	12	OSD YM	0	0-7	PICTURE HALF TONE LEVEL	
	13	OSD I	3	0-7	OSD HALF TONE LEVEL	

GPLL-C-JPN

Category	Item number	Adjustment item	Standard data	Data range	Note	Device
GPLL-C-JPN	0	VCOL	248	0-255	COUNTER L	
	1	VCOH	5	0-15	COUNTER H	
	2	DIV	2	0-3	DIVIDER	
	3	CODL	0	0-3	DELAY	
	4	FIDL	15	0-31	FINE DELAY	
	5	PPOL	1	0, 1	PHASE COMP. INPUT POLARITY SET	
	6	CPMP	2	0-3	CHARGE PUMP	
	7	UNLO	1	0, 1	UNLOCK OUT ON/OFF	
	8	DSYN	1	0, 1	DELAY SYNC ON/OFF	
	9	CL2	1	0, 1	1/2 TTL CLOCK ON/OFF	
	10	DSYP	0	0, 1	DELAY SYNC OUTPUT POLARITY	
	11	SYP	0	0, 1	INPUT SYNC POLARITY	

PLL-C-N/P

Category	Item number	Adjustment item	Standard data	Data range	Note	Device
PLL-C-N/P	0	VCOL	248	0-255	COUNTER L	
	1	VCOH	5	0-15	COUNTER H	
	2	DIV	2	0-3	DIVIDER	
	3	CODL	0	0-3	DELAY	
	4	FIDL	15	0-31	FINE DELAY	
	5	PPOL	1	0, 1	PHASE COMP. INPUT POLARITY SET	
	6	CPMP	2	0-3	CHARGE PUMP	
	7	UNLO	1	0, 1	UNLOCK OUT ON/OFF	
	8	DSYN	1	0, 1	DELAY SYNC ON/OFF	
	9	CL2	1	0, 1	1/2 TTL CLOCK ON/OFF	
	10	DSYP	0	0, 1	DELAY SYNC OUTPUT POLARITY	
	11	SYP	0	0, 1	INPUT SYNC POLARITY	

GAMMA

Category	Item number	Adjustment item	Standard data	Data range	Note	Device
GAMMA	0	ADJ ON	0	0, 1	INVERT CONTROL	
	1	GAMMA R0	255	0-255	GAMME ADJ (R)	
	2	GAMMA R1	255	0-255	GAMME ADJ (R)	
	3	GAMMA R2	255	0-255	GAMME ADJ (R)	
	4	GAMMA R3	255	0-255	GAMME ADJ (R)	
	5	GAMMA R4	255	0-255	GAMME ADJ (R)	
	6	GAMMA R5	255	0-255	GAMME ADJ (R)	
	7	GAMMA R6	255	0-255	GAMME ADJ (R)	
	8	GAMMA R7	255	0-255	GAMME ADJ (R)	
	9	GAMMA G0	255	0-255	GAMME ADJ (G)	
	10	GAMMA G1	255	0-255	GAMME ADJ (G)	
	11	GAMMA G2	255	0-255	GAMME ADJ (G)	
	12	GAMMA G3	255	0-255	GAMME ADJ (G)	
	13	GAMMA G4	255	0-255	GAMME ADJ (G)	
	14	GAMMA G5	255	0-255	GAMME ADJ (G)	
	15	GAMMA G6	255	0-255	GAMME ADJ (G)	
	16	GAMMA G7	255	0-255	GAMME ADJ (G)	
	17	GAMMA B0	255	0-255	GAMME ADJ (B)	
	18	GAMMA B1	255	0-255	GAMME ADJ (B)	
	19	GAMMA B2	255	0-255	GAMME ADJ (B)	
	20	GAMMA B3	255	0-255	GAMME ADJ (B)	
	21	GAMMA B4	255	0-255	GAMME ADJ (B)	
	22	GAMMA B5	255	0-255	GAMME ADJ (B)	
	23	GAMMA B6	255	0-255	GAMME ADJ (B)	
	24	GAMMA B7	255	0-255	GAMME ADJ (B)	

LCD-DR

Category	Item number	Adjustment item	Standard data	Data range	Note	Device
LCD-DR	0	FRP CNT	0	0, 1	FR PULSE CONT	
	1	R VCOM	127	0-255	V COM ADJ (R)	
	2	R ODD VR	24	0-255	ODD ADJ (R)	
	3	R EVEN VR	24	0-255	EVEN ADJ (R)	
	4	R DLY CNT	127	0-255	DLY CONT (R)	
	5	R DA VSET	44	0-255	D/A VOLTAGE SET (R)	
	6	G VCOM	127	0-255	V COM ADJ (G)	
	7	G ODD VR	194	0-255	ODD ADJ (G)	
	8	G EVEN VR	24	0-255	EVEN ADJ (G)	
	9	G DLY CNT	127	0-255	DLY CONT (G)	
	10	G DA VSET	109	0-255	D/A VOLTAGE SET (G)	
	11	B VCOM	127	0-255	V COM ADJ (B)	
	12	B ODD VR	245	0-255	ODD ADJ (B)	
	13	B EVEN VR	97	0-255	EVEN ADJ (B)	
	14	B DLY CNT	127	0-255	DLY CONT (B)	
	15	B DA VSET	11	0-255	D/A VOLTAGE SET (B)	
	16	R VREF SEL	0	0, 1	VOLTAGE REF SELECT (R)	
	17	G VREF SEL	0	0, 1	VOLTAGE REF SELECT (G)	
	18	B VREF SEL	0	0, 1	VOLTAGE REF SELECT (B)	

IP00C741A						No mark : PAL or commom, () : NTSC					
Category	Item number	Adjustment item	Standard data	Data range	Note	Device					
IP00C741A	0	CALCULATION	0	0, 1							
	1	OACTHST-L	92 (95)	0-255	OUTPUT PORT ACT HORIZONTAL START POINT						
	2	OACTHST-H	0	0-15	OUTPUT PORT ACT HORIZONTAL START POINT						
	3	SYRDLY	22 (11)	0-255	FORCED SYNC RESET DELAY						
	4	HZOOM-L	30	0-255	HORIZONTAL ENLARGEMENT						
	5	HZOOM-H	14	0-15	CONTROL						
	6	VZOOM-L	0 (10)	0-15	HORIZONTAL ENLARGEMENT CONTROL						
	7	VZOOM-H	192 (160)	0-255	VERTICAL ENLARGEMENT CONTROL						
	8	OHCYCL-L	127 (16)	0-255	OUTPUT PORT HORIZONTAL SYNC SIGNAL CYCLE						
	9	OHCYCL-H	3	0-15	OUTPUT PORT HORIZONTAL SYNC SIGNAL CYCLE						
	10	OVCYCL-L	232	0-255	OUTPUT PORT VERTICAL SYNC SIGNAL CYCLE						
	11	OVCYCL-H	3	0-15	OUTPUT PORT VERTICAL SYNC SIGNAL CYCLE						
	12	OACTHW-L	168	0-255	OUTPUT PORT ACT HORIZONTAL WIDTH						
	13	OACTHW-H	2	0-15	OUTPUT PORT ACT HORIZONTAL WIDTH						
	14	OACTVST-L	0	0-255	OUTPUT PORT ACT VERTICAL DIRECTION START POINT						
	15	OACTVST-H	0	0-15	OUTPUT PORT ACT VERTICAL DIRECTION START POINT						
	16	OACTVW-L	0	0-255	OUTPUT PORT ACT VERTICAL WIDTH						
	17	OACTVW-H	3	0-15	OUTPUT PORT ACT VERTICAL WIDTH						
	18	IACTHST-L	111 (116)	0-255	INPUT PORT ACT HORIZONTAL START POINT						
	19	IACTHST-H	0	0-15	INPUT PORT ACT HORIZONTAL START POINT						
	20	IACTHW-L	88	0-255	INPUT PORT ACT HORIZONTAL WIDTH						
	21	IACTHW-H	2	0-15	INPUT PORT ACT HORIZONTAL WIDTH						
	22	IACTVST-L	23 (4)	4-255	INPUT PORT ACT VERTICAL START POINT						

Category	Item number	Adjustment item	Standard data	Data range	Note	Device
	23	IACTVST-H	0	0-15	INPUT PORT ACT VERTICAL START POINT	
	24	IACTVW-L	64 (226)	0-255	INPUT PORT ACT VERTICAL WIDTH	
	25	IACTVW-H	2 (1)	0-15	INPUT PORT ACT VERTICAL WIDTH	

IP00C741E

Category	Item number	Adjustment item	Standard data	Data range	Note	Device
IP00C741E	0	OHSCT	8	0-31	OUTPUT PORT HORIZONTAL SYNC SIGNAL CONTROL	
	1	OVPH	0	0-7	OUTPUT PORT VERTICAL SYNC SIGNAL CONTROL	
	2	OVSCT	7	0-15	OUTPUT PORT VERTICAL SYNC SIGNAL CONTROL	
	3	IMGCT	0	0, 1	INPUT IMAGE CONTROL SIGNAL	
	4	IBIE	0	0, 1	BUSY/INT ENABLE BIT	
	5	BI	0	0, 1	BUSY/INT SPECIFICATION BIT	
	6	ICMD	1	0, 1	IMAGE INPUT COMMAND	
	7	OCMD	1	0, 1	IMAGE OUTPUT COMMAND	
	8	SYREN	1	0, 1	FORCED SYNCHRONIZATION ENABLE	
	9	SYRMOD	1	0, 1	FORCED SYNCHRONIZATION TIMING CONTROL	
	10	ACTPOL	0	0, 1	POACT OUTPUT POLARITY SELECT	
	11	ACTS	0	0-3	POACT SELECT	
	12	OGEN	1	0, 1	IMAGE OUTPUT PORT SYNC SIGNAL GENERATION ENABLE	
	13	OHPOL	0	0, 1	POLARITY OF THE POHS SIGNAL	
	14	OVPOL	0	0, 1	OUTPUT PORT VERTICAL SYNC SIGNAL CONTROL	
	15	OACT-MOD	1	0, 1	OUTPUT PORT ACT MODE SELECT	
	16	OACT-DL	0	0-3	OUTPUT PORT ACT START TIMING	
	17	OACT-HMK	0	0, 1	OUTPUT PORT ACT START POHS MARK	
	18	OMOD	0	0, 1	IMAGE OUTPUT MODE	
	19	OBKSL	0	0, 1	IMAGE OUTPUT SELECT	
	20	OFILLEN	0	0, 1	OUTPUT FILL	
	21	OPXDLY	0	0, 1	OUTPUT 1 PIXEL DELAY	
	22	IAPOL	0	0, 1	PIACT SIGNAL POLARITY SELECT	
	23	IVPOL	1	0, 1	V SYNC SIGNAL POLARITY SELECT	

IP00C741L

Category	Item number	Adjustment item	Standard data	Data range	Note	Device
IP00C741L	0	HZAS	0	0, 1	H ZOOM AS	
	1	HZLE	0	0, 1	HORIZONTAL ENLARGEMENT INTERPOLATION COEFFICIENT LOOKUP TABLE ENABLE	
	2	HZMD	1	0, 1	HORIZONTAL ENLARGEMENT MODE	
	3	HZIP	1	0, 1	HORIZONTAL ENLARGEMENT INTERPOLATION ENABLE	
	4	VZAS	0	0, 1	V ZOOM AS	
	5	VZLE	0	0, 1	VERTICAL ENLARGEMENT INTERPOLATION COEFFICIENT LOOKUP TABLE ENABLE	
	6	VZMD	1	0, 1	VERTICAL ENLARGEMENT MODE	
	7	VZIP	1	0, 1	VERTICAL ENLARGEMENT INTERPOLATION ENABLE	
	8	COLUTH0	0	0-63	HORIZONTAL INTERPOLATION COEFFICIENT LOOKUP TABLE REGISTER	
	9	COLUTH1	0	0-63	HORIZONTAL INTERPOLATION COEFFICIENT LOOKUP TABLE REGISTER	
	10	COLUTH2	0	0-63	HORIZONTAL INTERPOLATION COEFFICIENT LOOKUP TABLE REGISTER	
	11	COLUTH3	0	0-63	HORIZONTAL INTERPOLATION COEFFICIENT LOOKUP TABLE REGISTER	
	12	COLUTH4	0	0-63	HORIZONTAL INTERPOLATION COEFFICIENT LOOKUP TABLE REGISTER	
	13	COLUTH5	0	0-63	HORIZONTAL INTERPOLATION COEFFICIENT LOOKUP TABLE REGISTER	
	14	COLUTH6	0	0-63	HORIZONTAL INTERPOLATION COEFFICIENT LOOKUP TABLE REGISTER	
	15	COLUTH7	0	0-63	HORIZONTAL INTERPOLATION COEFFICIENT LOOKUP TABLE REGISTER	
	16	COLUTV0	0	0-63	VERTICAL INTERPOLATION COEFFICIENT LOOKUP TABLE REGISTER	
	17	COLUTV1	0	0-63	VERTICAL INTERPOLATION COEFFICIENT LOOKUP TABLE REGISTER	

Category	Item number	Adjustment item	Standard data	Data range	Note	Device
	24	IHPOL	0	0, 1	H SYNC SIGNAL POLARITY SELECT	
	25	IVSSEL	0	0-3	V SYNC SIGNAL SELECT	
	26	IHSSEL	0	0, 1	H SYNC SIGNAL SELECT	
	27	IMOD	0	0, 1	IMAGE INPUT MODE	
	28	VAL	0	0-3	PIXEL VALUE MEASUREMENT MODE	
	29	UPSEL	0	0, 1	PIXEL SELECTION DURING INTERLEAVED INPUT	
	30	MONSTV-L	5	0-255	IMAGE MONITOR VERTICAL START POINT	
	31	MONSTV-H	0	0-7	IMAGE MONITOR VERTICAL START POINT	
	32	MONEDV-L	5	0-255	IMAGE MONITOR VERTICAL END POINT	
	33	MONEDV-H	1	0-7	IMAGE MONITOR VERTICAL END POINT	
	34	MONSTH-L	0	0-255	IMAGE MONITOR HORIZONTAL START POINT	
	35	MONSTH-H	0	0-7	IMAGE MONITOR HORIZONTAL START POINT	
	36	MONVW	0	0-255	IMAGE MONITOR VERTICAL WIDTH	
	37	MONHW	0	0-255	IMAGE MONITOR HORIZONTAL WIDTH	
	38	ECLP	0	0, 1	ERROR PROPAGATION OVERFLOW PROTECTION ENABLE	
	39	EDMOD0	0	0, 1	ERROR DIFFUSION MODE	
	40	EDEN	0	0, 1	ERROR DIFFUSION ENABLE	
	41	GOHSW-L	0	0-255	VERTICAL SYNC SIGNAL JUDGE COUNTER VALUE	
	42	GOHSW-H	0	0-15	VERTICAL SYNC SIGNAL JUDGE COUNTER VALUE	
	43	RTG1	2	0-3	REGISTER TRANSFER CONTROL	
	44	RTG0	2	0-3	REGISTER TRANSFER CONTROL	
	45	POSNEG	0	0, 1	IMAGE OUTPUT SYNC CLOCK SELECT	
	46	OBTSWP	0	0, 1	INPUT/OUTPUT SIGNAL SELECTION	
	47	OBYSWP	0	0, 1	INPUT/OUTPUT SIGNAL SELECTION	
	48	IBTSWP	0	0, 1	INPUT/OUTPUT SIGNAL SELECTION	
	49	IBYSWP	0	0, 1	INPUT/OUTPUT SIGNAL SELECTION	
	50	ISMPMD	0	0-3	INPUT/OUTPUT SIGNAL SELECTION	

Category	Item number	Adjustment item	Standard data	Data range	Note	Device
	7	IPX02	0	0-255	INPUT SCREEN SPECIFIED POSITION PIXEL VALUE MONITOR	
	8	IPX03	0	0-255	INPUT SCREEN SPECIFIED POSITION PIXEL VALUE MONITOR	
	9	IPX10	0	0-255	INPUT SCREEN SPECIFIED POSITION PIXEL VALUE MONITOR	
	10	IPX11	0	0-255	INPUT SCREEN SPECIFIED POSITION PIXEL VALUE MONITOR	
	11	IPX12	0	0-255	INPUT SCREEN SPECIFIED POSITION PIXEL VALUE MONITOR	
	12	IPX13	0	0-255	INPUT SCREEN SPECIFIED POSITION PIXEL VALUE MONITOR	
	13	IPX20	0	0-255	INPUT SCREEN SPECIFIED POSITION PIXEL VALUE MONITOR	
	14	IPX21	0	0-255	INPUT SCREEN SPECIFIED POSITION PIXEL VALUE MONITOR	
	15	IPX22	0	0-255	INPUT SCREEN SPECIFIED POSITION PIXEL VALUE MONITOR	
	16	IPX23	0	0-255	INPUT SCREEN SPECIFIED POSITION PIXEL VALUE MONITOR	
	17	IPX30	0	0-255	INPUT SCREEN SPECIFIED POSITION PIXEL VALUE MONITOR	
	18	IPX31	0	0-255	INPUT SCREEN SPECIFIED POSITION PIXEL VALUE MONITOR	
	19	IPX32	0	0-255	INPUT SCREEN SPECIFIED POSITION PIXEL VALUE MONITOR	
	20	IPX33	0	0-255	INPUT SCREEN SPECIFIED POSITION PIXEL VALUE MONITOR	

Category	Item number	Adjustment item	Standard data	Data range	Note	Device
	18	COLUTV2	0	0-63	VERTICAL INTERPOLATION COEFFICIENT LOOKUP TABLE REGISTER	
	19	COLUTV3	0	0-63	VERTICAL INTERPOLATION COEFFICIENT LOOKUP TABLE REGISTER	
	20	COLUTV4	0	0-63	VERTICAL INTERPOLATION COEFFICIENT LOOKUP TABLE REGISTER	
	21	COLUTV5	0	0-63	VERTICAL INTERPOLATION COEFFICIENT LOOKUP TABLE REGISTER	
	22	COLUTV6	0	0-63	VERTICAL INTERPOLATION COEFFICIENT LOOKUP TABLE REGISTER	
	23	COLUTV7	0	0-63	VERTICAL INTERPOLATION COEFFICIENT LOOKUP TABLE REGISTER	

IP00C741R

Category	Item number	Adjustment item	Standard data	Data range	Note	Device
IP00C741R	0	IFV L	0	0-255	NUMBER OF H SYNC SIGNALS ON INPUT PORT DURING V SYNC PERIOD	
	1	IFV H	0	0-3	NUMBER OF H SYNC SIGNALS ON INPUT PORT DURING V SYNC PERIOD	
	2	IPXCNT L	0	0-255	NUMBER OF IMAGE OUTPUT CLOCKS FOR ARBITRARY INPUT IMAGE LINES	
	3	IPXCNT M	0	0-255	NUMBER OF IMAGE OUTPUT CLOCKS FOR ARBITRARY INPUT IMAGE LINES	
	4	IPXCNT H	0	0-31	NUMBER OF IMAGE OUTPUT CLOCKS FOR ARBITRARY INPUT IMAGE LINES	
	5	IPX00	0	0-255	INPUT SCREEN SPECIFIED POSITION PIXEL VALUE MONITOR	
	6	IPX01	0	0-255	INPUT SCREEN SPECIFIED POSITION PIXEL VALUE MONITOR	

OSD E

Category	Item number	Adjustment item	Standard data	Data range	Note	Device
IOSD E	0	VPOS	8	0-31	ENGINE SERVICE INDICATION V POSITION	
	1	HPOS	15	0-63	ENGINE SERVICE INDICATION H POSITION	
	2	OUT SYNC	0	0, 1	NOT USED ON SERVICE	
	3	OUT TIME	1	0, 1	NOT USED ON SERVICE	
	4	OUT PHAS	0	0, 1	NOT USED ON SERVICE	
	5	OUT SEL	1	0, 1	NOT USED ON SERVICE	

OPTION E

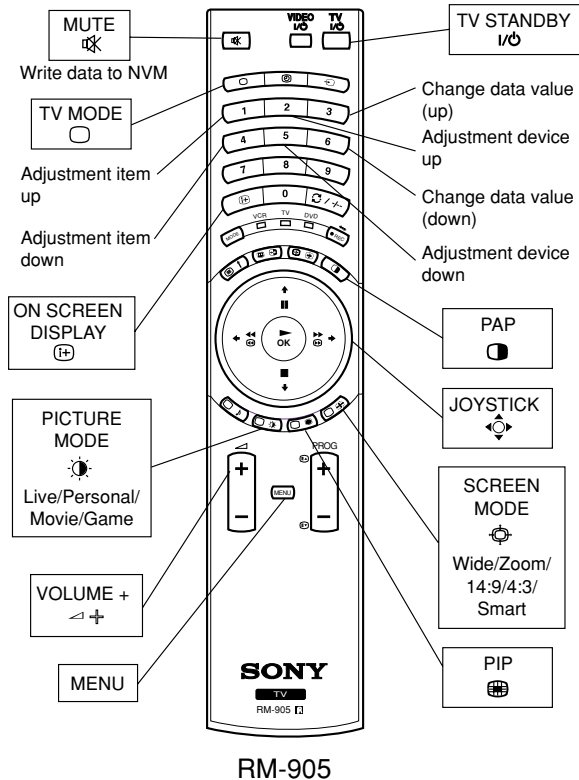
Category	Item number	Adjustment item	Standard data	Data range	Note	Device
OPTION E	0	LAMP TIME	0	0, 1	LAMP LIGHTING TIME	
	1	LAMP OFF	0	0, 1	TIME FROM POWER OFF TO LAMP OFF (0: 0sec., 1: 5sec.)	
	2	FAN OFF	1	0, 1	TIME TO FAN STOP (0: 2min., 1: 2min.)	
	3	FAN1 RPM1	2	0-3	ROTATING SPEED OF FAN FOR OPTICS ON NORMAL CONDITION	
	4	FAN1 RPM2	2	0-3	ROTATING SPEED OF FAN FOR OPTICS AFTER POWER OFF	
	5	FAN2 RPM1	1	0-3	ROTATING SPEED OF FAN FOR LAMP ON NORMAL CONDITION	
	6	FAN2 RPM2	1	0-3	ROTATING SPEED OF FAN FOR LAMP AFTER POWER OFF	
	7	FLAG1	8	0-15	NOT USED ON SERVICE	
	8	AGING PT	1	0, 1	NOT USED ON SERVICE	
	9	TEMP SHIFT	1	0, 1	TEMPERATURE CORRECTION ON/OFF (0: OFF, 1: ON)	

LM75

Category	Item number	Adjustment item	Standard data	Data range	Note	Device
LM75	0	SET	41DEG	0-99DG	TEMPERATURE SWITCHING TO MAXIMUM VELOCITY OF WIND	
	1	TIME	10MIN	0-99MIN	TIME TO KEEP MAXIMUM VELOCITY OF WIND AND TO DETECT	

3-2. LCD PROJECTOR ENGINE

3-2-1. Operation Method for Projector Engine Mode

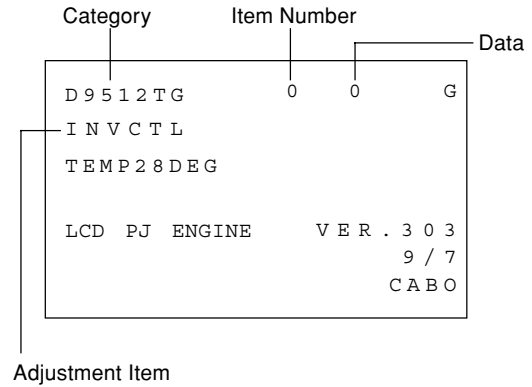


1. Functions of Keys on Commander

- ① : Changes adjustment item. (item No. moves up)
- ④ : Changes adjustment item. (item No. moves down)
- ③ : Changes data value. (up)
- ⑥ : Changes data value. (down)
- ② : Changes adjustment device. (up)
- ⑤ : Changes adjustment device. (down)
- MUTE + ⑩ : Writes data to NVM.
- ⑦ + ⑩ : Reads data from NVM.
- ⑧ + ⑩ : Initialize NVM data.

2. Operation Method for Projector Engine Adjustment

- 1) Enter the Service menu, and select "Device Register Setting" → "Projector Engine".
- 2) Press "①" or "④" button on the commander to select the item, and press "③" or "⑥" on the commander to change the data.



- 3) Before returning to the Service menu, press "MUTE" + "⑩" buttons on the commander to write the data. (Omission of this operation causes the set data to be returned to the data before adjustment)
- 4) Press "MENU" button on the commander to return to the Service menu.

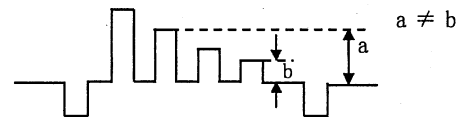
3-3. SUB COLOUR ADJUSTMENT

1. Input the colour bar (100% white) signal to AV4 and select AV4.
2. Setting

MCP 4	Colour	23
MCP 8	D-Col	OFF
MCP 26	Gamma	0
MCP 33	DC Tran	0
MCP 34	DPIC-Level	0

 Initialising → Feature setting
 6 Pict Boost Bypass ON
3. Connect an oscilloscope to pin 1 of CN702 on BB board.
4. Adjust by changing data of "MCP 18 Sub-Colour" as shown in the figure.
5. Write the data into memory.

Before adjustment



After adjustment

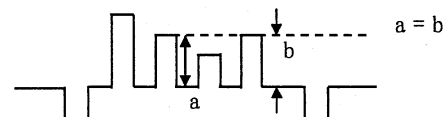


Fig. 3-1

3-4. RGB OUTPUT LEVEL ADJUSTMENT

1. Input the colour bar signal (100% white) to AV4 and select AV4.
2. Setting

MCP 26	Gamma	0
MCP 33	DPIC-Level	0
MCP 34	DC-Tran	0
3. Connect an oscilloscope to pin 5 (R), pin 3 (G) or pin 1 (B) of CN702 on BB board.
4. Initialising ► Feature setting
6 Pict Boost Bypass ON
5. Adjust drive; A and cutoff; B by changing data of followings as shown in the figure.

MCP 7	R-Drive
MCP 9	G-Drive
MCP 10	B-Drive
MCP 11	R-Cutoff
MCP 12	G-Cutoff
MCP 13	B-Cutoff
6. Write the data into memory.

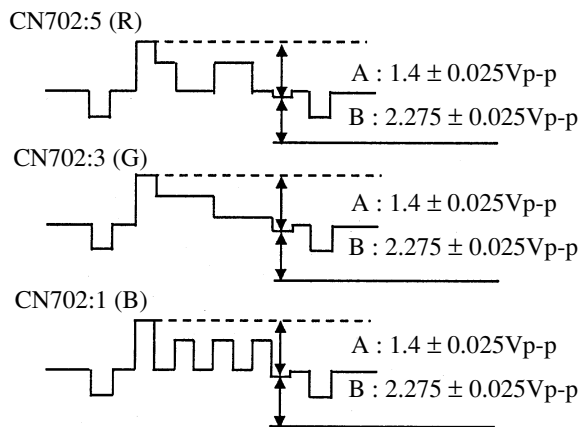
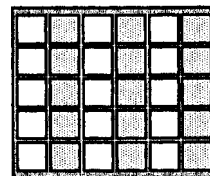


Fig. 3-2

3-5. VERTICAL STRIPE ADJUSTMENT

1. Setting

D9512 TES	2	G-LUT SW	0
D9512 TPN	0	T-PATN SW	1
D9512 TPN	1	T-SIG SEL	0
D9512 TPN	2	PATN DIR	1
D9512 TPN	3	SIG LV DIR	0
D9512 TPN	5	B-LV	15
D9512 TPN	6	G-LV	15
D9512 TPN	7	R-LV	15
2. Check the middle luminance of mono flat field on the screen.
3. R adjustment
 - 1) Set "D9512 TPN 8 T-PATN RGB" to 1.
 - 2) Adjust by changing data of "LCD-DR 3 R EVEN VR" to the vertical stripe (brightness difference every two dots) to minimum.
 - 3) Write the data into memory.
4. G adjustment
 - 1) Set "D9512 TPN 8 T-PATN RGB" to 2.
 - 2) Adjust by changing data of "LCD-DR 8 G EVEN VR" to the vertical stripe (brightness difference every two dots) to minimum.
 - 3) Write the data into memory.
5. B adjustment
 - 1) Set "D9512 TPN 8 T-PATN RGB" to 4.
 - 2) Adjust by changing data of "LCD-DR 13 B EVEN VR" to the vertical stripe (brightness difference every two dots) to minimum.
 - 3) Write the data into memory.



Screen magnify
Should be minimize bright
difference every two dots.

Fig. 3-3

3-6. SUB BRIGHT ADJUSTMENT

1. Receive the monoscope signal.
2. Mode

PICTURE	Personal
SCREEN	Wide
3. Adjust by changing data of "D9512 IM 3 SUB BRT" so that the border between 0 IRE and 10 IRE becomes distinct.
4. Write the data into memory.

3-7. SCREEN CENTER ADJUSTMENT

3-7-1. Horizontal center adjustment

- (1) 50Hz adjustment
 - 1) Receive the PAL SPCB (RF) and adjust H center by changing data of "IP00C741A 1.OACTHST-L".
 - 2) Write the data into memory.
- (2) 60Hz adjustment
 - 1) Receive the PAL SPCB (RF) and change the picture to PAP (Picture And Picture) mode.
 - 2) Adjust H center by changing data of "IP00C741A 1.OACTHST-L". At the same time confirm no illuminated pattern is visible on the right end of the screen. If you should find one, change the register setting.
 - Register Setting Change

6	VZOOM-L	0
7	VZOOM-H	161
8	OHCYCL-L	19
24	IACTVW-L	227
 - 3) Write the data into memory.

3-7-2. Vertical center adjustment

- (1) 50Hz adjustment
 - 1) Receive the PAL SPCB (RF) and adjust V center by changing data of "IP00C741A 3. SYRDLY".
 - 2) Write the data into memory.
- (2) 60Hz adjustment
 - *Input the NTSC monoscope (VIDEO). Adjust "IP00C741A 3. SYRDLY" to find out the value terrible picture flicker occurs. Note the value for 60Hz adjustment.
 - 1) Receive the PAL SPCB (RF) and change the picture to PIP (Picture In Picture) mode.
 - 2) Adjust V center by changing data of "IP00C741A 3. SYRDLY". (0 is prohibited for this register)
Be sure that ± 1 step area of the noted value is prohibited.
 - 3) Write the data into memory.

3-8. TEST-TEST MODE

Is available by pressing "OSD", "5", "Volume +", "TV" button in the standby mode, OSD "TT--"appears.

The diagnosis menu can be displayed by these methods :

TT mode : Press "33"
 Service Menu : Monitoring → Error Monitor or LCD-Engine Error Menu

For correction of any wrong input (first digit.) by mistake these methods are possible :

Press"- -"
 Press"0"

The Test-Test Mode can be left by these methods :

Press"0" twice.
 Press TV button
 Press standby button

00	TT mode off
01	picture maximum
02	picture minimum
03	volume = 30% (speaker and headphone)
04	volume = 50% (speaker and headphone)
05	volume = 65% (speaker and headphone)
06	volume = 80% (speaker and headphone)
07	Ageing Mode This TT mode is stored in NVM, after power shut down TV starts again in Ageing mode. Ageing Mode can be left by pressing TV button. Volume is set to minimum.
08	Shipping Conditions Note : The u-controller checks all possible IC's and generate an internal list. This list is the base of the error check procedure. Production mode = off Ignore Errors = off Errors = cancelled Standby = off Parental lock = off Ageing white = off Flash = erased Language = English Country = off AV1 = Normal, "AV1" AV2 = Normal, "AV2" AV3 = Normal, "AV3" AV4 = Normal, "AV4" AV In Main = AV1 AV In Sub = AV1 AV3 Out = TV Main program = 1 Sub program = 2

	Picture Mode = Live AI = on Noise reduction = AUTO Colour Tone = Normal volume = 35% (speaker and headphone) All analogue values = reset (picture and sound) Format = Smart Sound mode = DYNAMIC
09	Enter the projector engine menu
10	No action
11	Sub picture adjustment
12	Sub colour adjustment
13	Display of software version and TV set configuration
16	Picture level 50%
17	Audio mute on
19	Sub brightness adjustment
20	No action
21	Destination A includes text settings, display TV status
22	Destination L includes text settings, display TV status
23	Destination E includes text settings, display TV status
24	Destination U includes text settings, display TV status
25	Destination D includes text settings, display TV status
26	Destination B includes text settings, display TV status
27	Destination K includes text settings, display TV status
28	Destination R includes text settings, display TV status
30	No action
32	Main H POS adjustment Horizontal center adjustment for MID-X input. Adjustment is done with left and right joystick button, released by "TV" or "OK" button
33	Error monitor
35	Production monitor
39	No action (AE2 dealer commander)
40	No action
41	Screen Mode Check TV set is toggling automatically screen modes (4:3,14:9,zoom, zoom upwards)
46	Reserved for dealer commander
47	Reinitialize NVM (program 99)
48	Set NVM as non virgin:
49	Set NVM as virgin: After next power on the complete NVM (except channel tables) are overwritten.
50	No action
59	Copy external NVM on service connector to internal NVM
60	No action
61	Service Mode
62	Productions Mode
63	Copy the picture reset from ROM into the picture reset location of NVM.
64	Copy the actual adj. Picture data from NVM into the picture reset location of NVM.

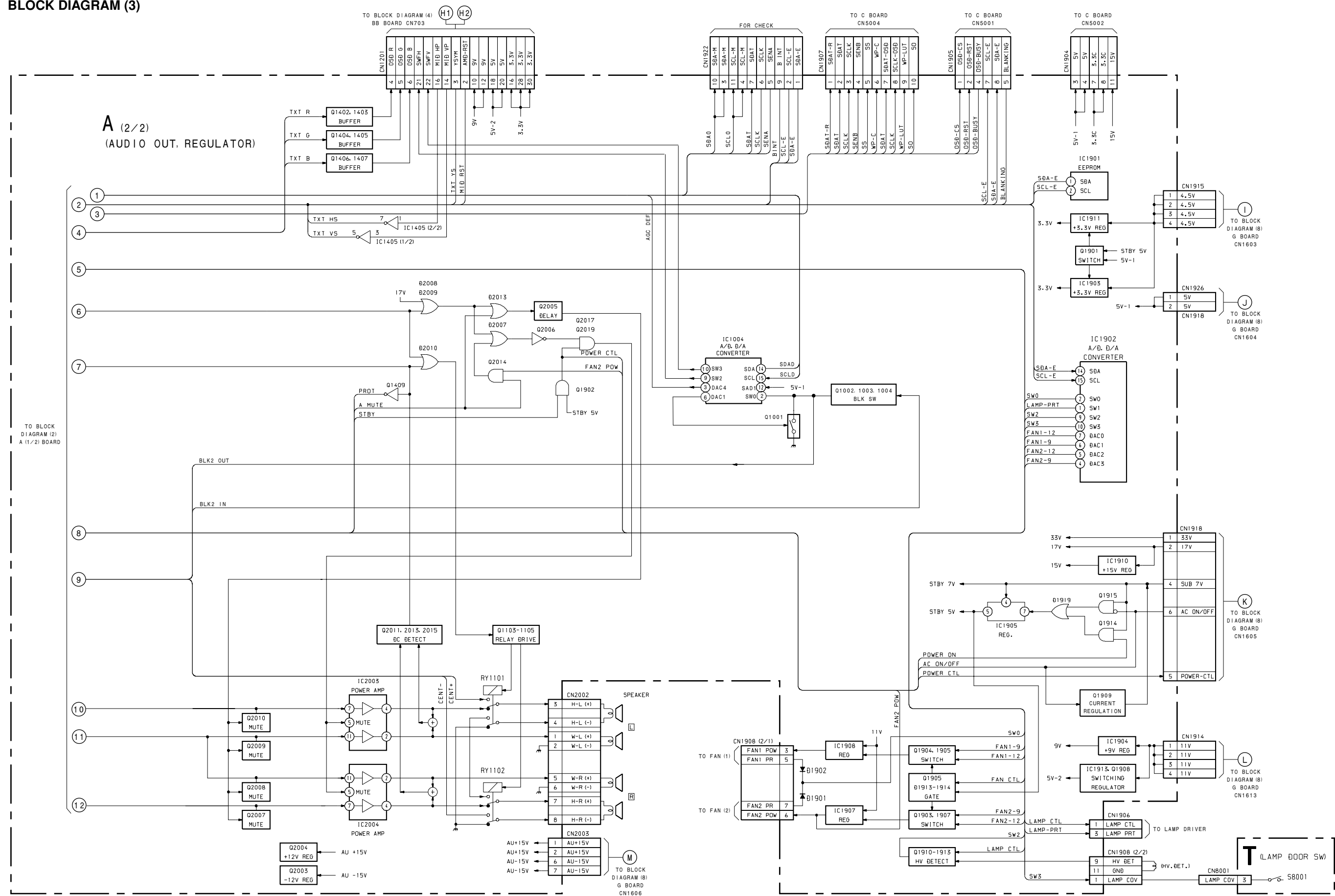
65	Reset error codes
68	Ignore errors on
69	Ignore errors off
70	No action
71	Copy default data of PANORAMA/external PLL/MID/MID-X from ROM into NVM.
73	Clear all programs except program 1-5 and all station labels
77	Picture Booster check
78	No video blanking
80	No action
81	Smart Link test signal on AV3 Pin10
83	Balance left/right
84	Switch Main/Center
85	Special Picture mode (set personal pict. Mode, set brightness to 50%, set picture to 80%)
87	Personal ID reset Personal ID is reset and initialized with "-" (program 99)
88	Parental lock off
89	OSD mute on/off
90	No action
94	PIP mode test command, released by OK or 00.
99	Speaker check, released by OK or 00.

KF-42SX200/42SX200K/42SX200U
RM-905

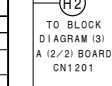
TO BLOCK
DIAGRAM (C)
J BOARD
CN8101

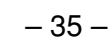


BLOCK DIAGRAM (3)

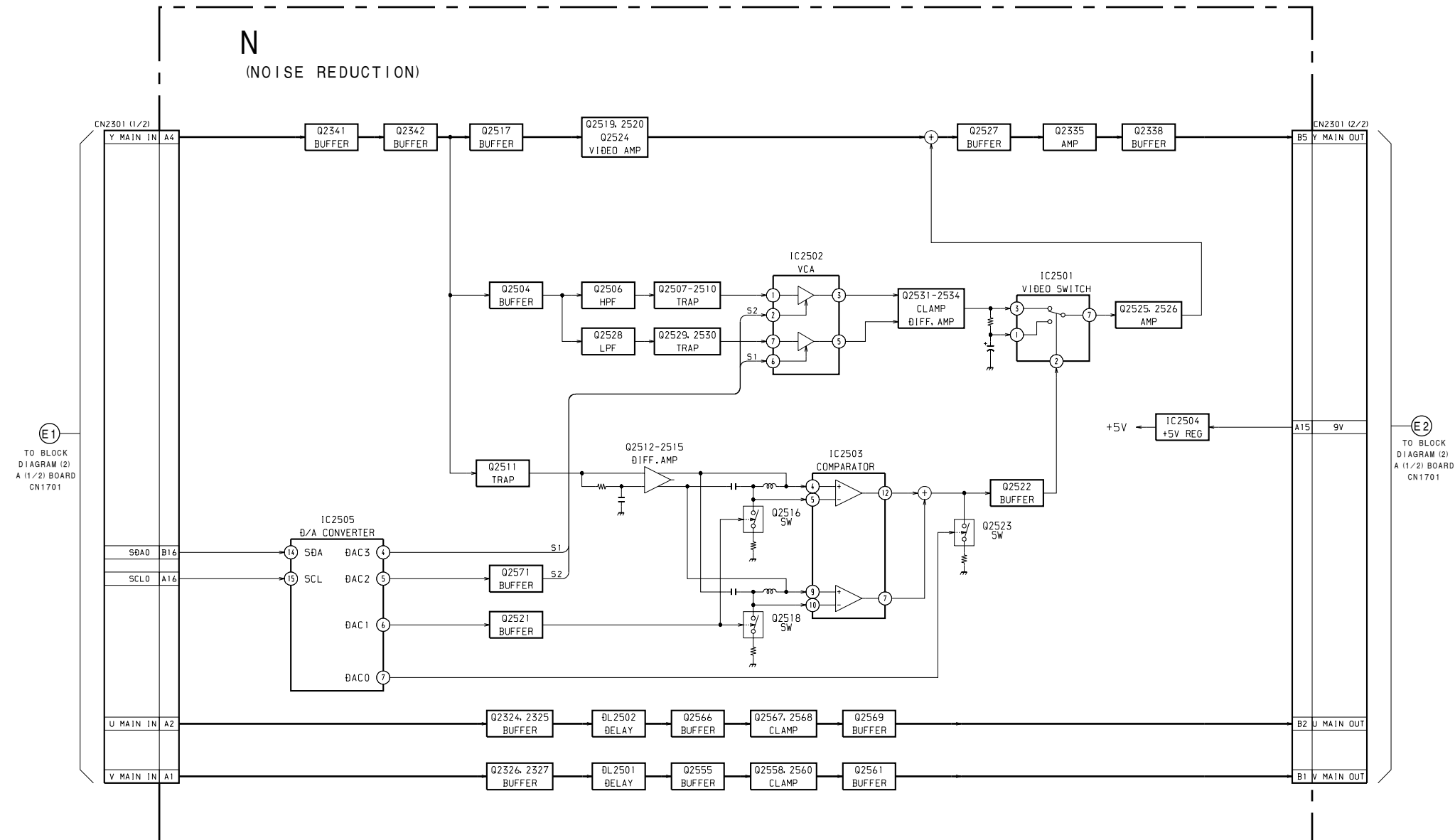


BLOCK DIAGRAM (4)

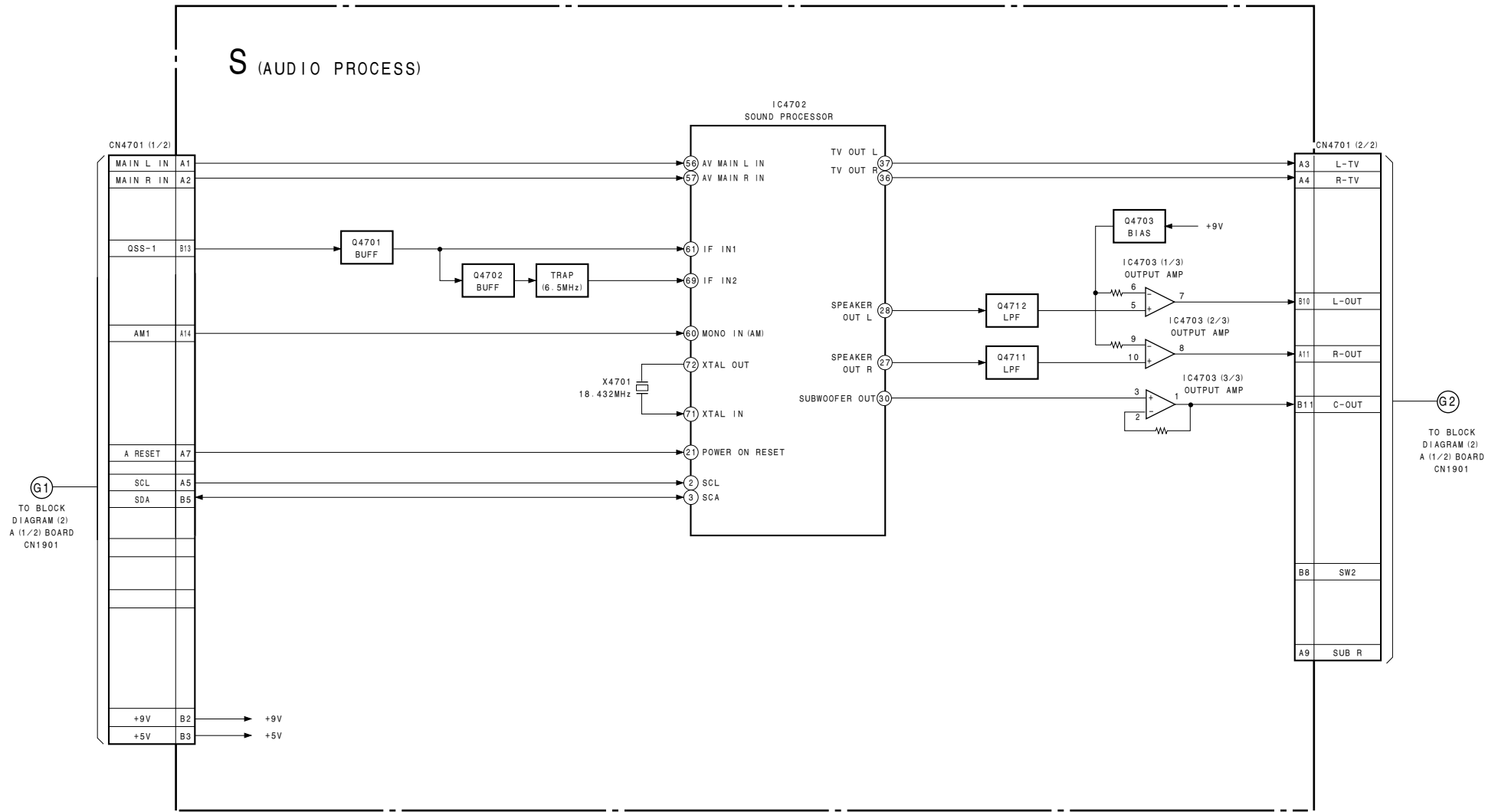




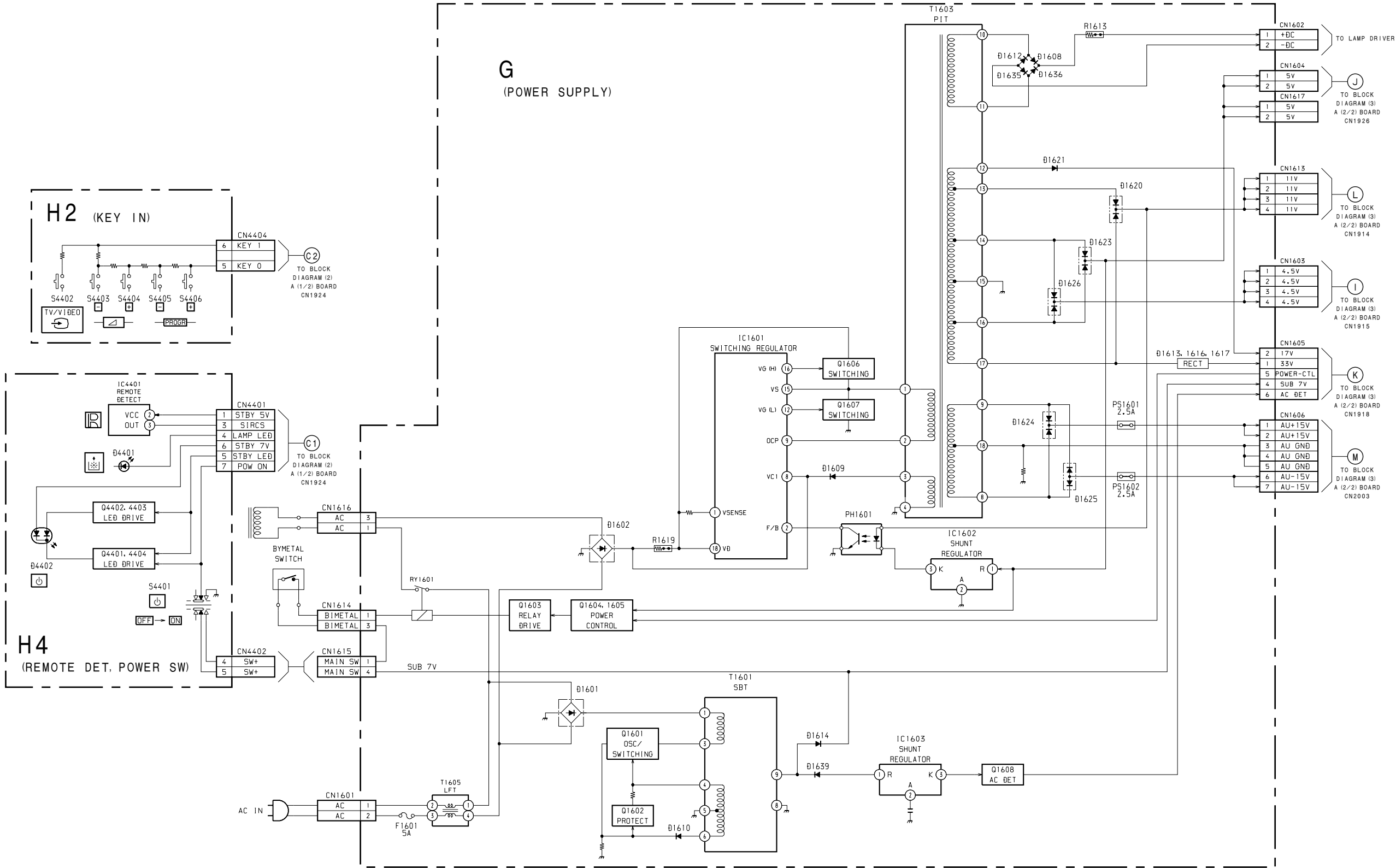
BLOCK DIAGRAM (6)



BLOCK DIAGRAM (7)



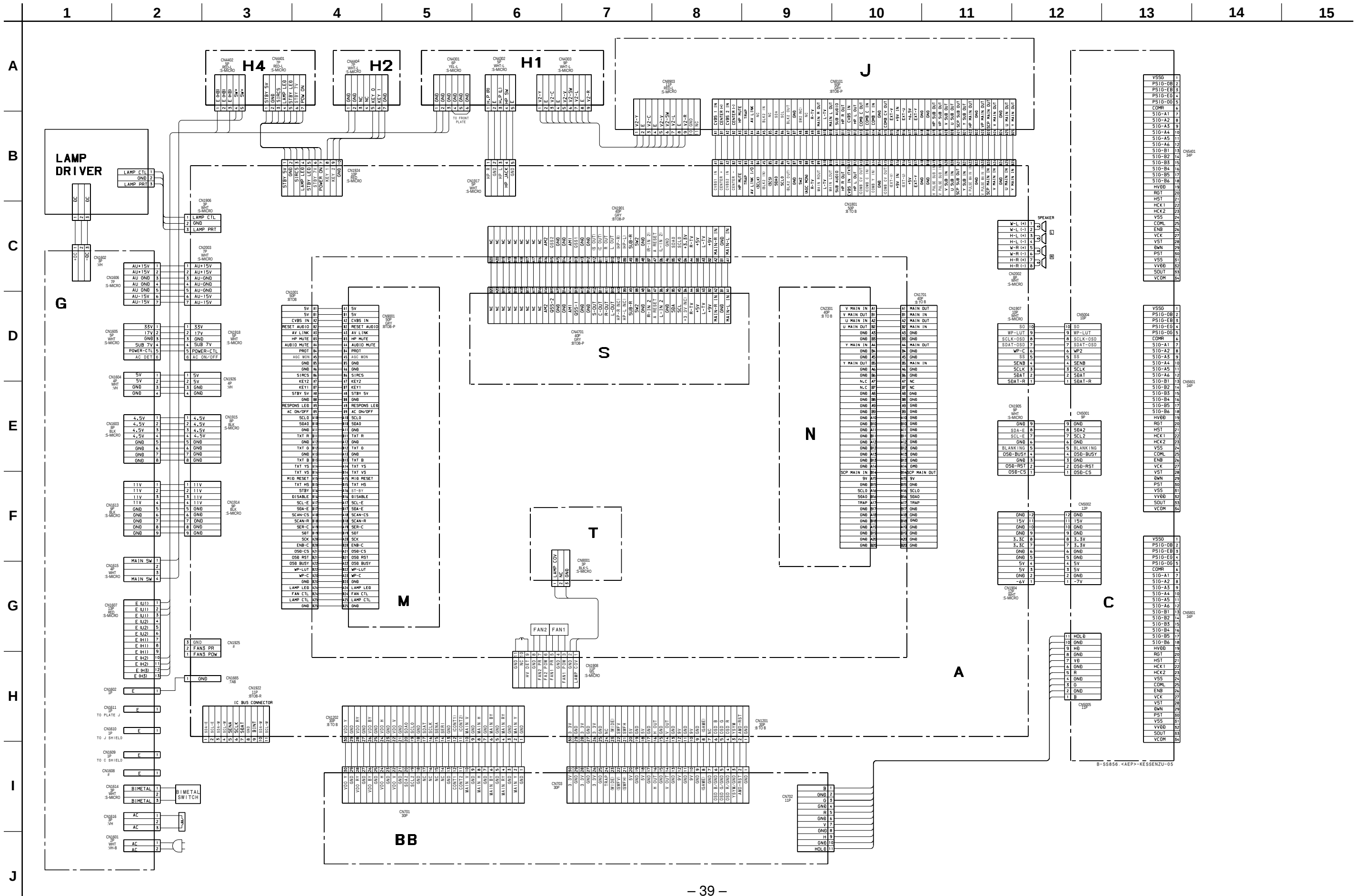
BLOCK DIAGRAM (8)



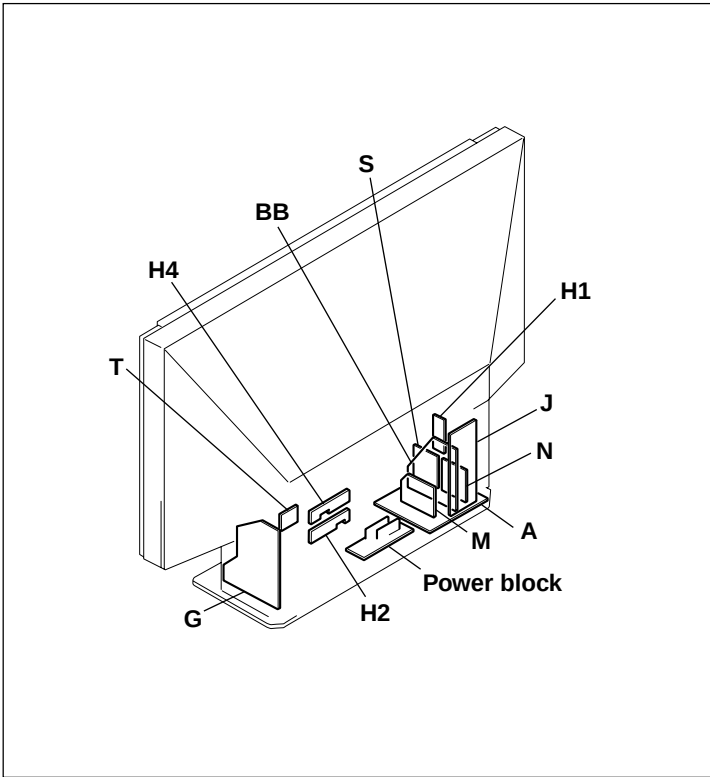
4-2. FRAME SCHEMATIC DIAGRAM

KF-42SX200/42SX200K/42SX200U

RM-905



4-3. CIRCUIT BOARDS LOCATION



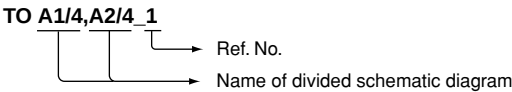
4-4. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

- Note:**
- The parts marked “#” on schematic diagrams are not mounted.
 - All capacitors are in μF unless otherwise noted. (pF: $\mu\mu\text{F}$) 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 Ω 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.
- $\Rightarrow$: Signal path.

- Divided schematic diagram
Schematic diagrams of A, BB, J and M 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 A1/4,A2/4_1] means the line is connected to Ref. No. 1 of A (1/4) and A (2/4) schematic diagrams.



Reference information

RESISTOR	: RN	METAL FILM
	: RC	SOLID
	: FPRD	NONFLAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
	: RW	NONFLAMMABLE WIREWOUND
	: RS	NONFLAMMABLE METAL OXIDE
COIL	: RB	NONFLAMMABLE CEMENT
	: 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 $\triangle$ are critical for safety. Replace only with part number specified.

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

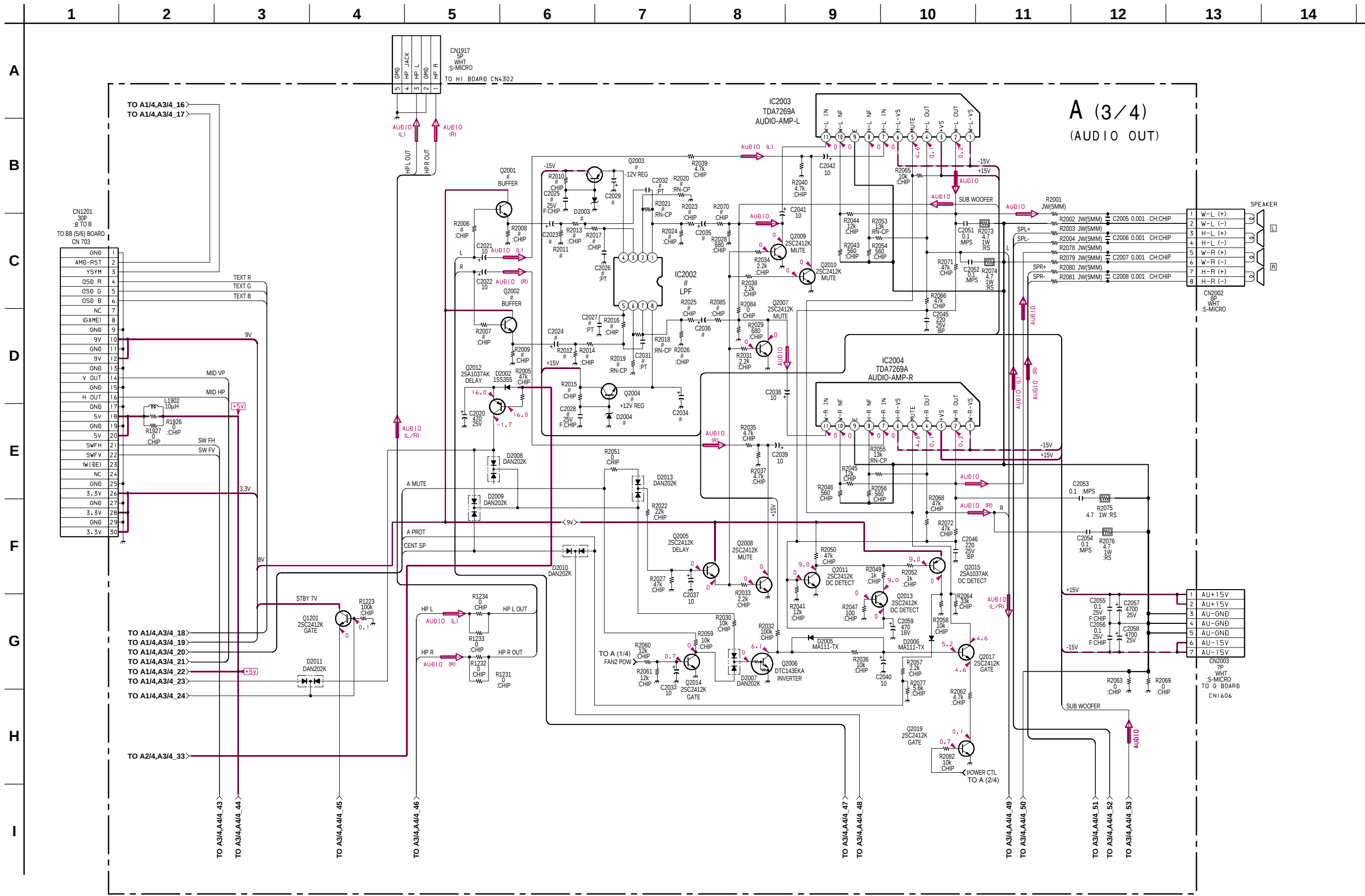
	Device	Printed symbol	Terminal name	Circuit
①	Transistor		Collector Base Emitter	
②	Transistor		Collector Base Emitter	
③	Diode		Cathode Anode	
④	Diode		Cathode Anode (NC)	
⑤	Diode		Cathode Anode (NC)	
⑥	Diode		Common Anode Cathode	
⑦	Diode		Common Anode Cathode	
⑧	Diode		Common Anode Anode	
⑨	Diode		Common Anode Anode	
⑩	Diode		Common Cathode Cathode	
⑪	Diode		Common Cathode Cathode	
⑫	Diode		Anode Anode Cathode Anode	
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 semiconductot			

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

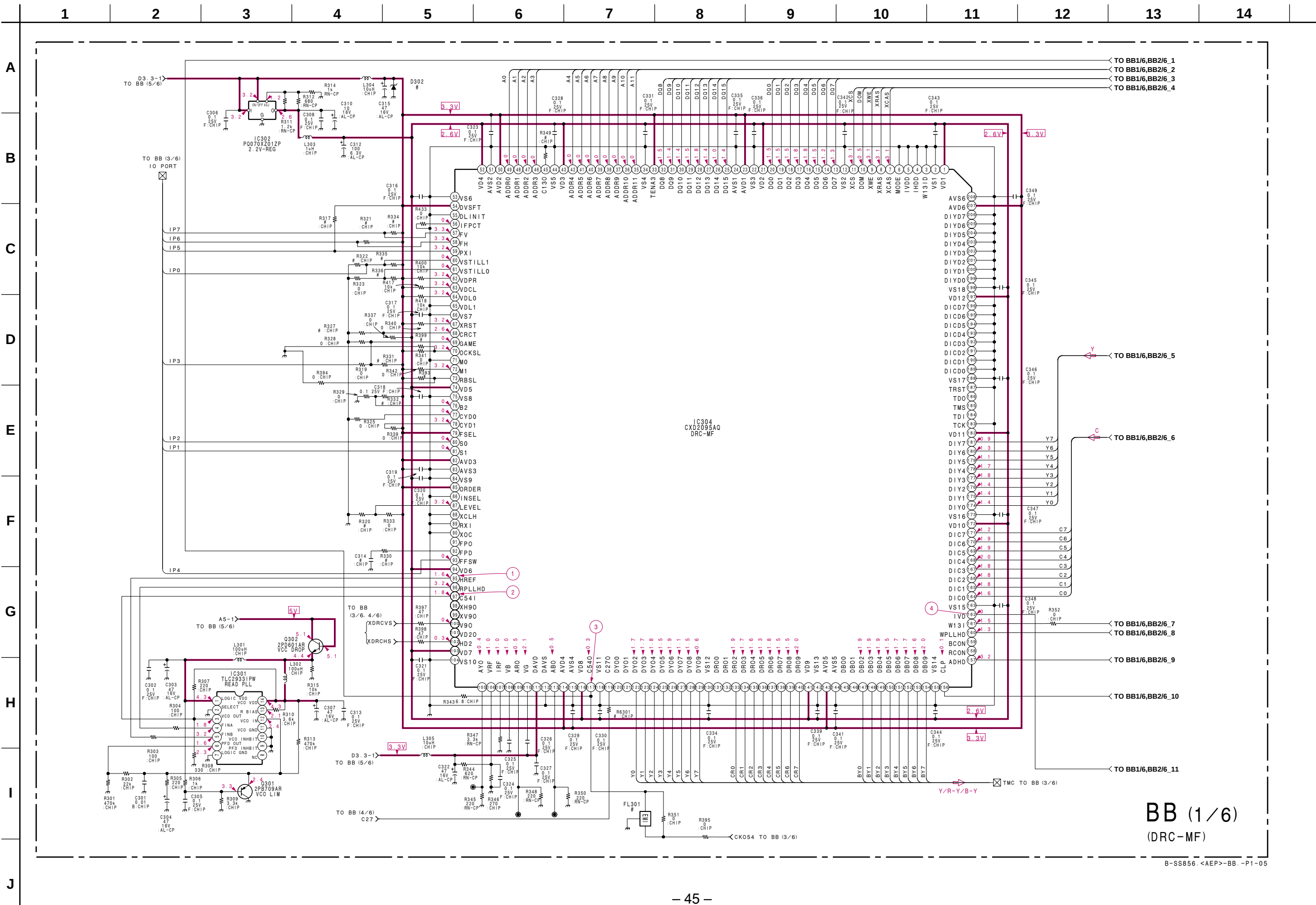
Ver.1.5

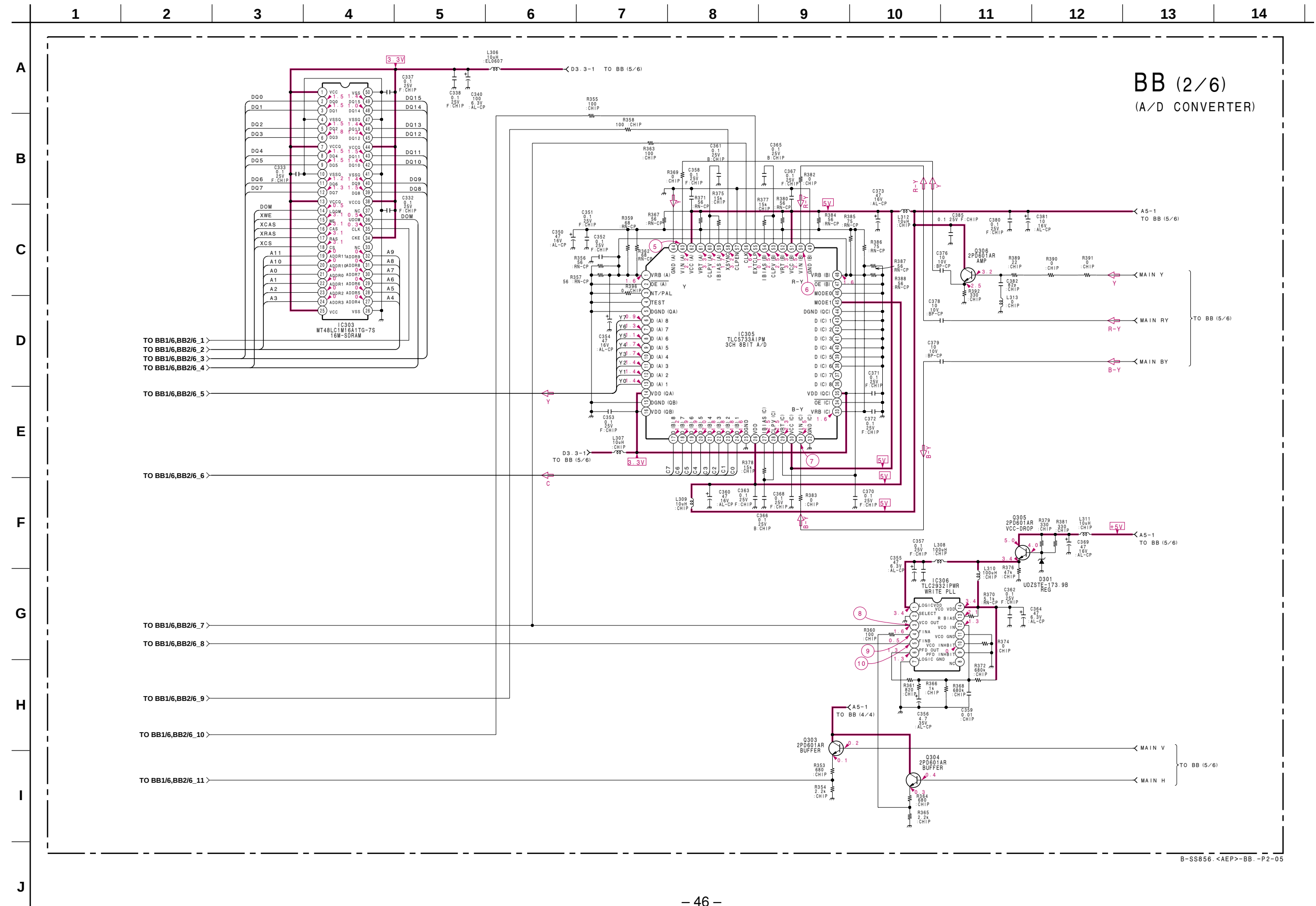
B-SS856, <AEP>-A, -P1-05

(3) Schematic Diagram of A (3/4) Board

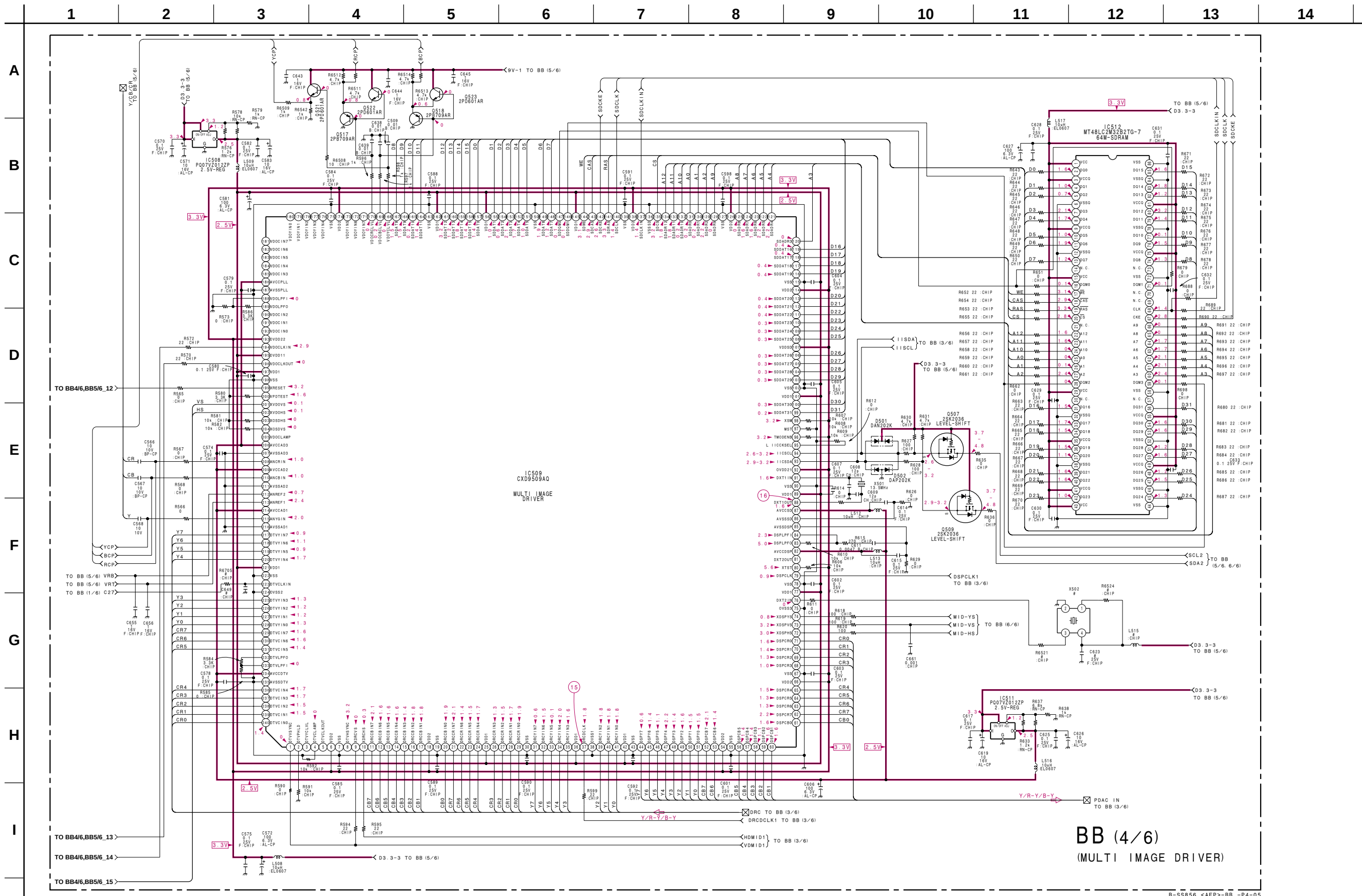


(5) Schematic Diagram of BB (1/6) Board





(8) Schematic Diagram of BB (4/6) Board

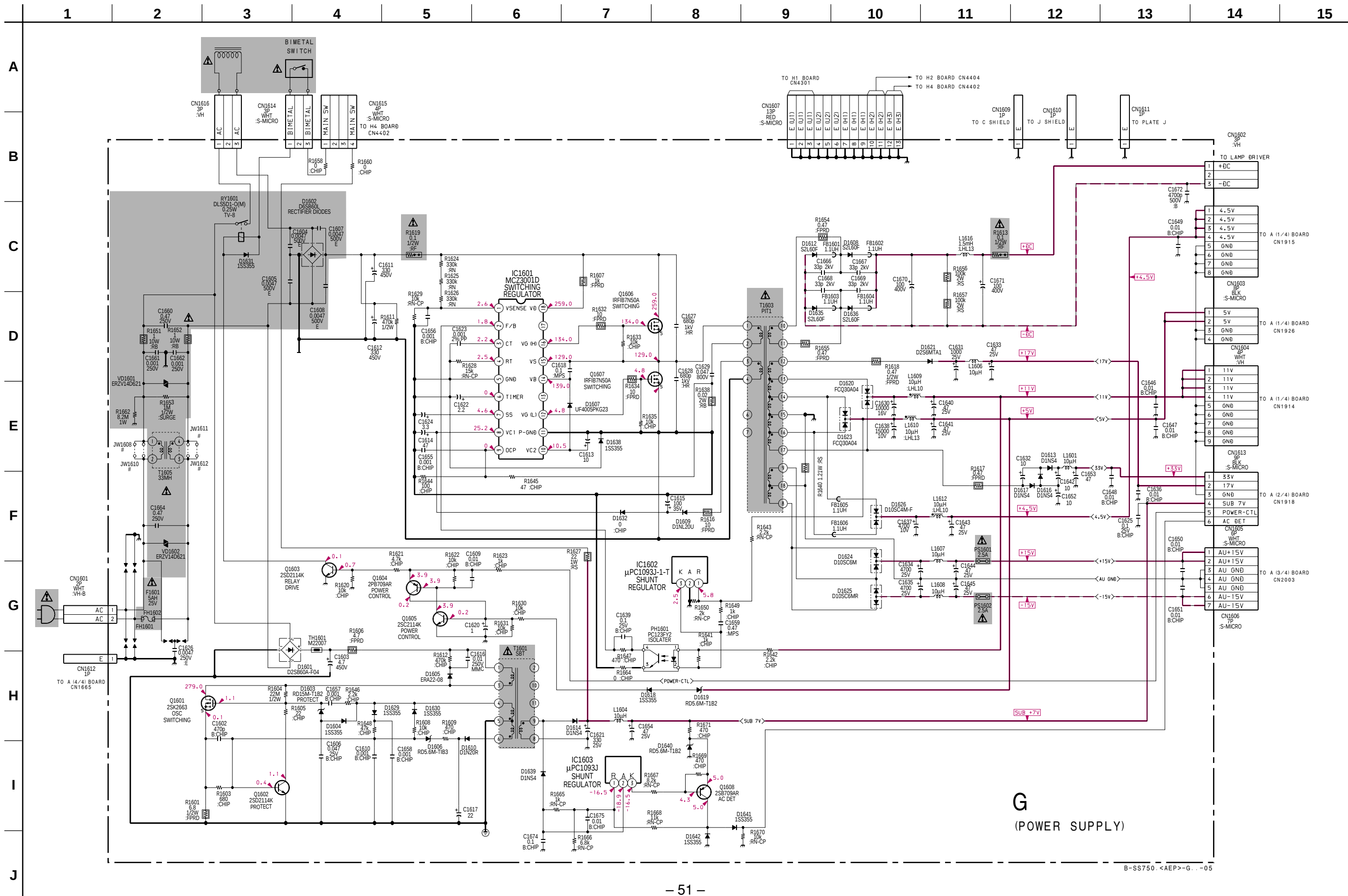


BB (4/6)
(MULTI IMAGE DRIVER)

B-SS856 <AEP>-BB.-P4-05

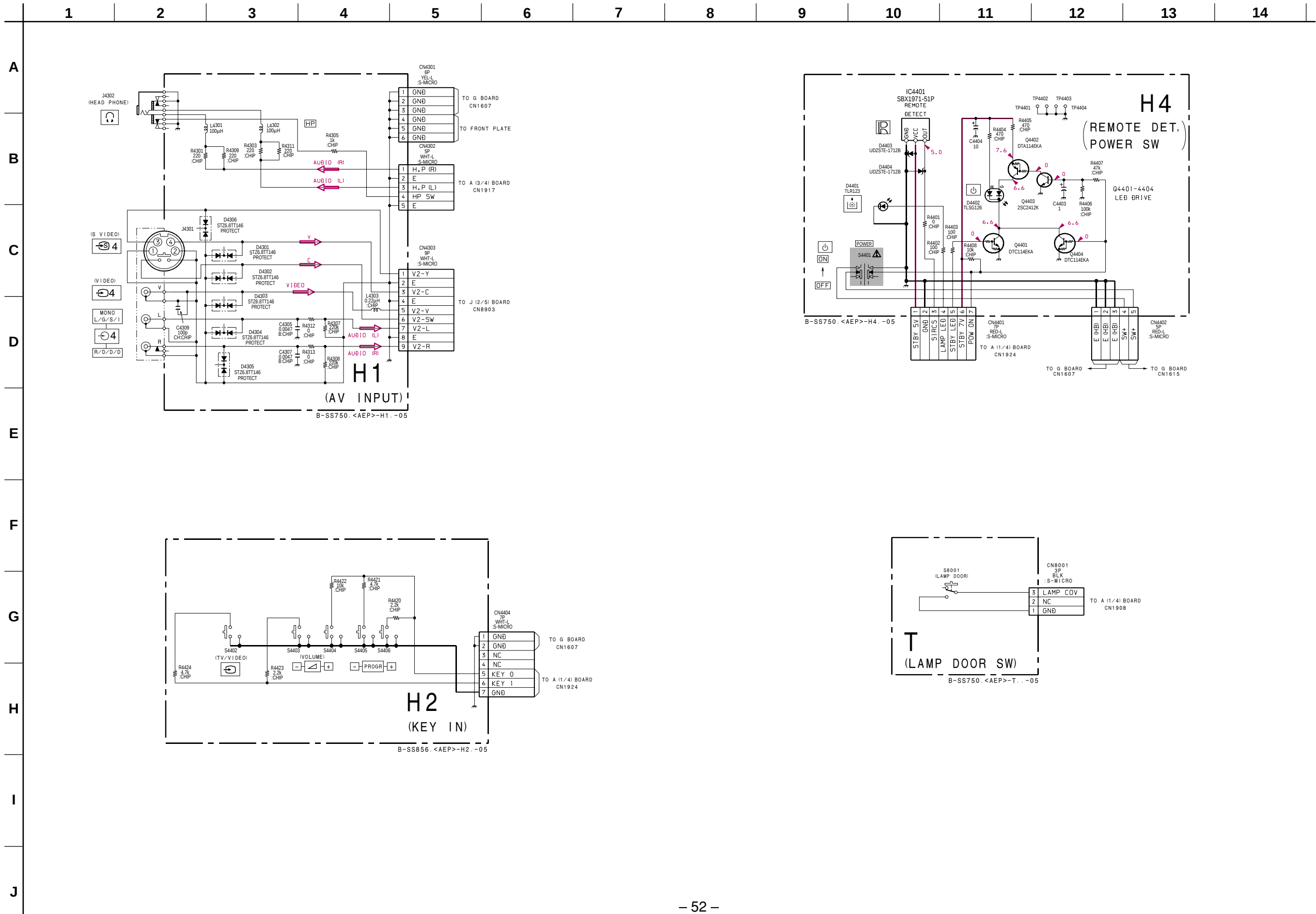
[illegible]

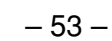
(11) Schematic Diagram of G Board



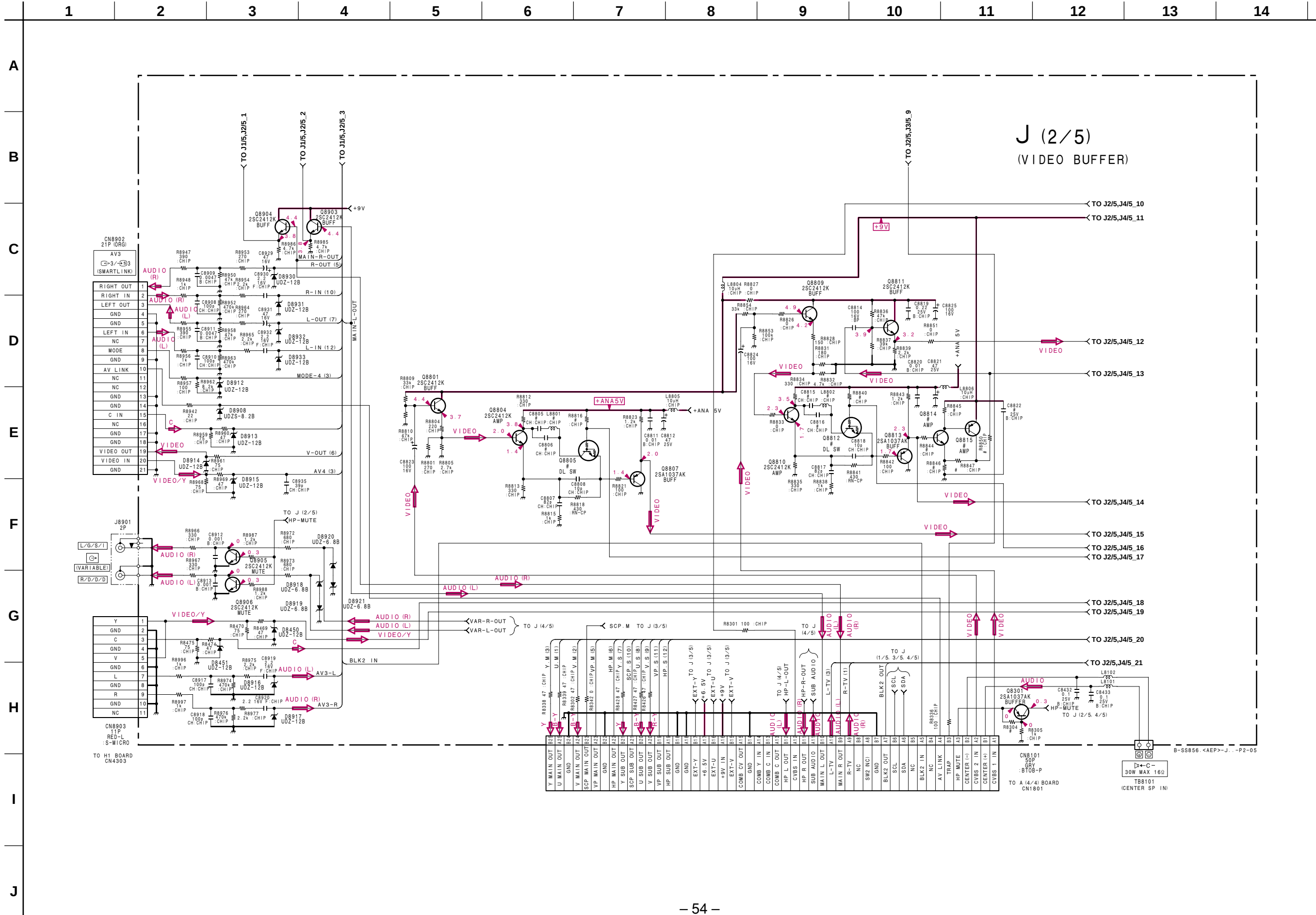
G
(POWER SUPPLY)

(12) Schematic Diagrams of H1, H2, H4 and T Boards





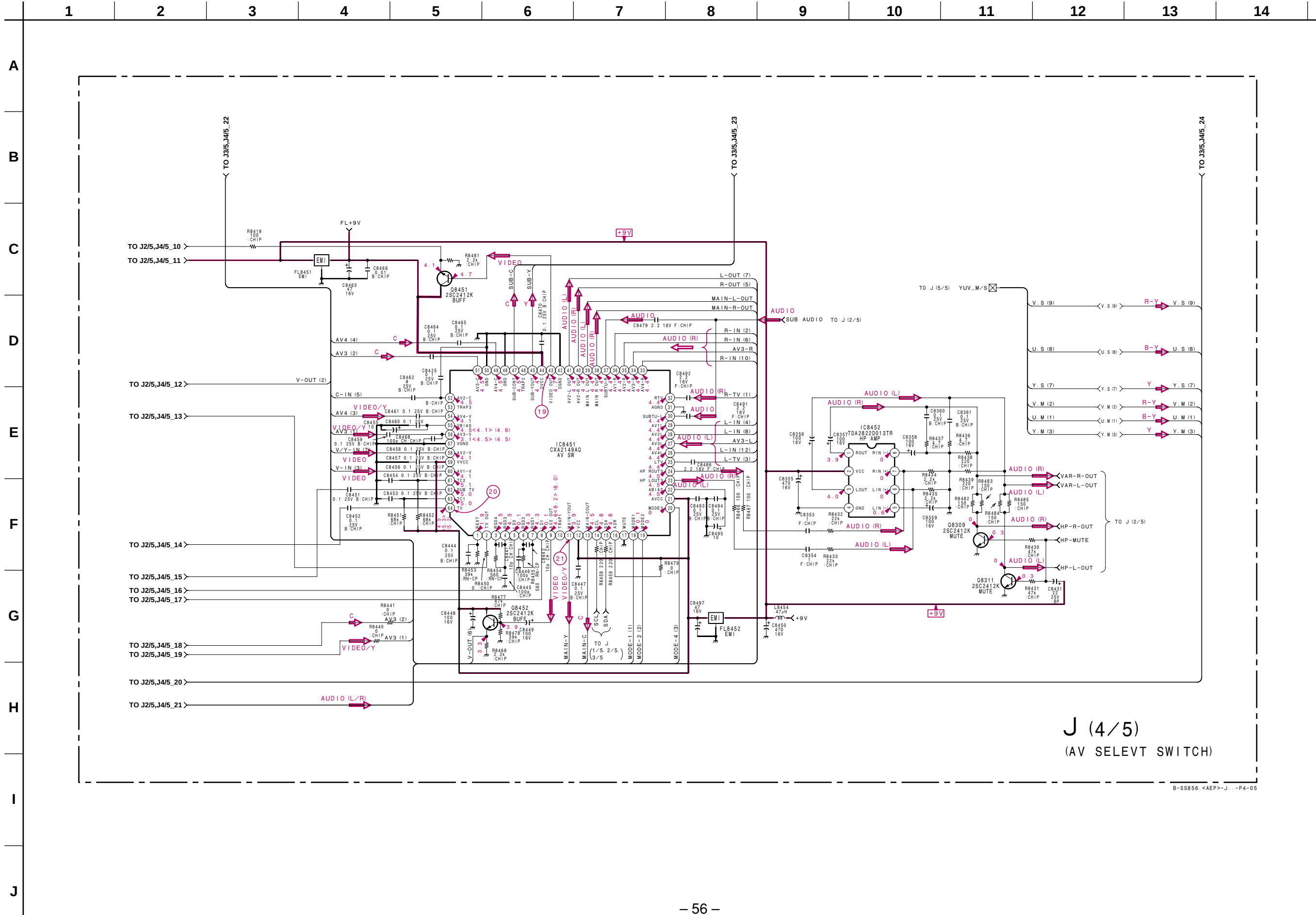
(14) Schematic Diagram of J (2/5) Board

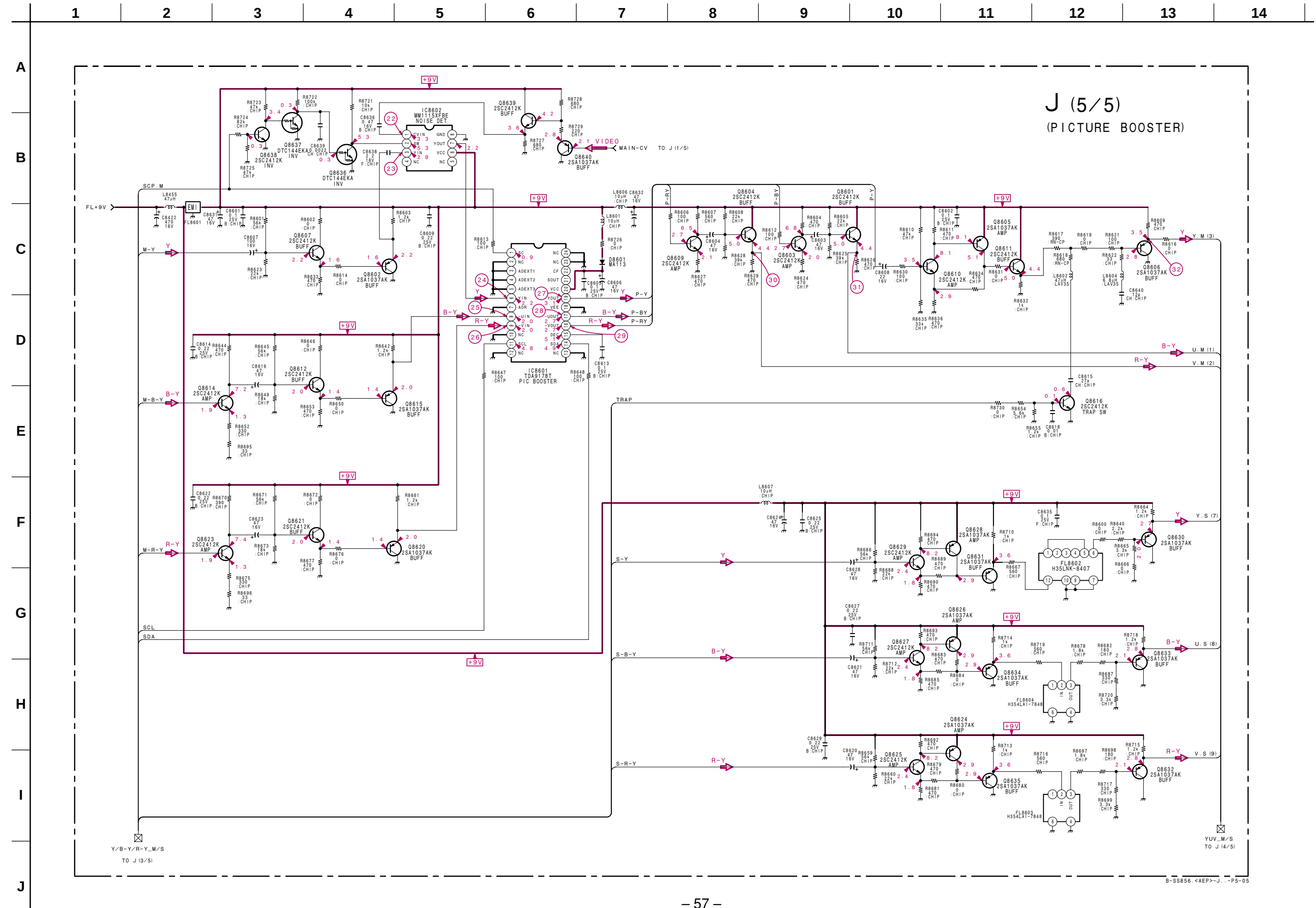


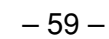
J (3/5)
(COLOR DECODER)

B-S8856 <AEP>-J...-P3-05

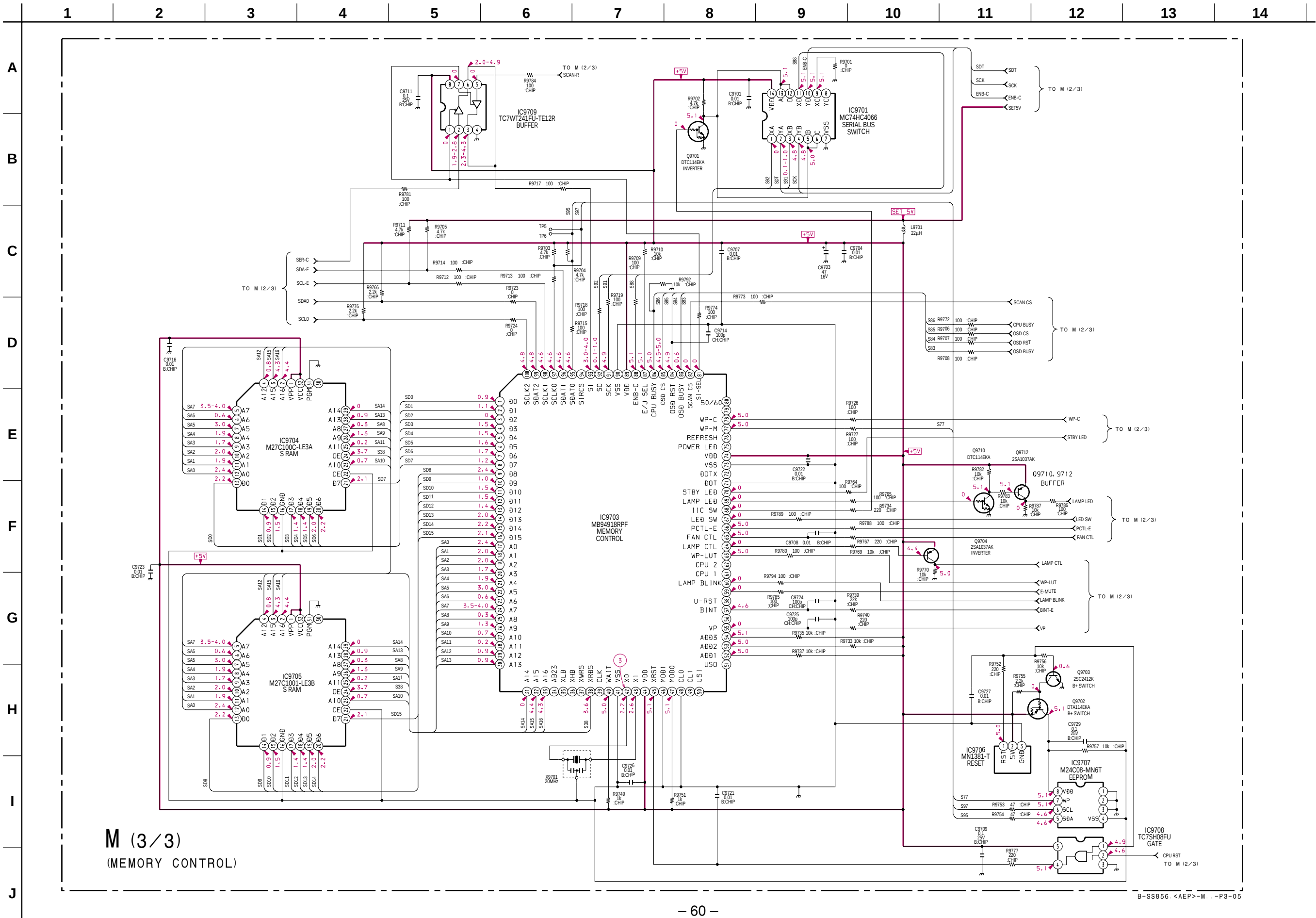
(16) Schematic Diagram of J (4/5) Board



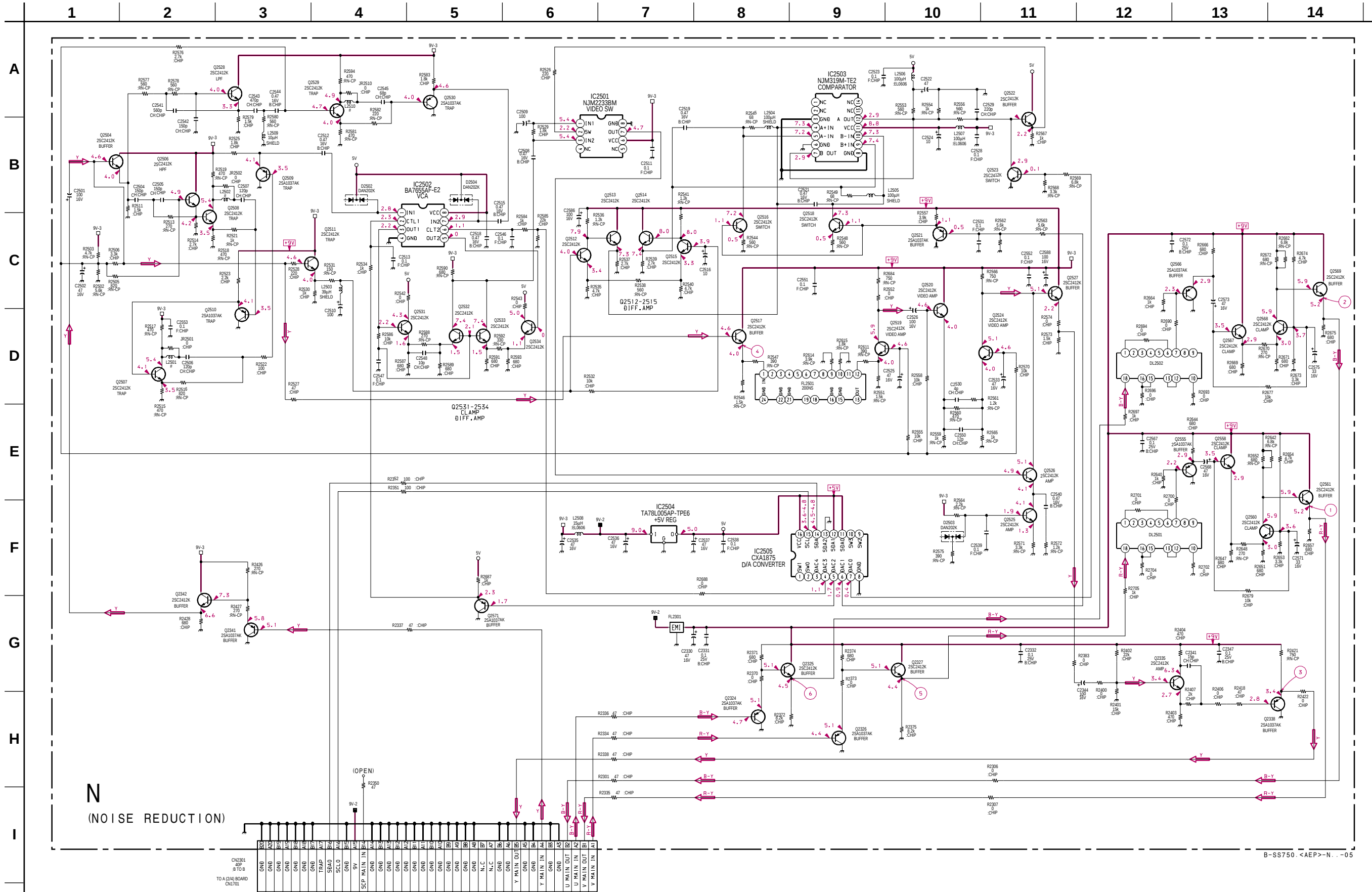




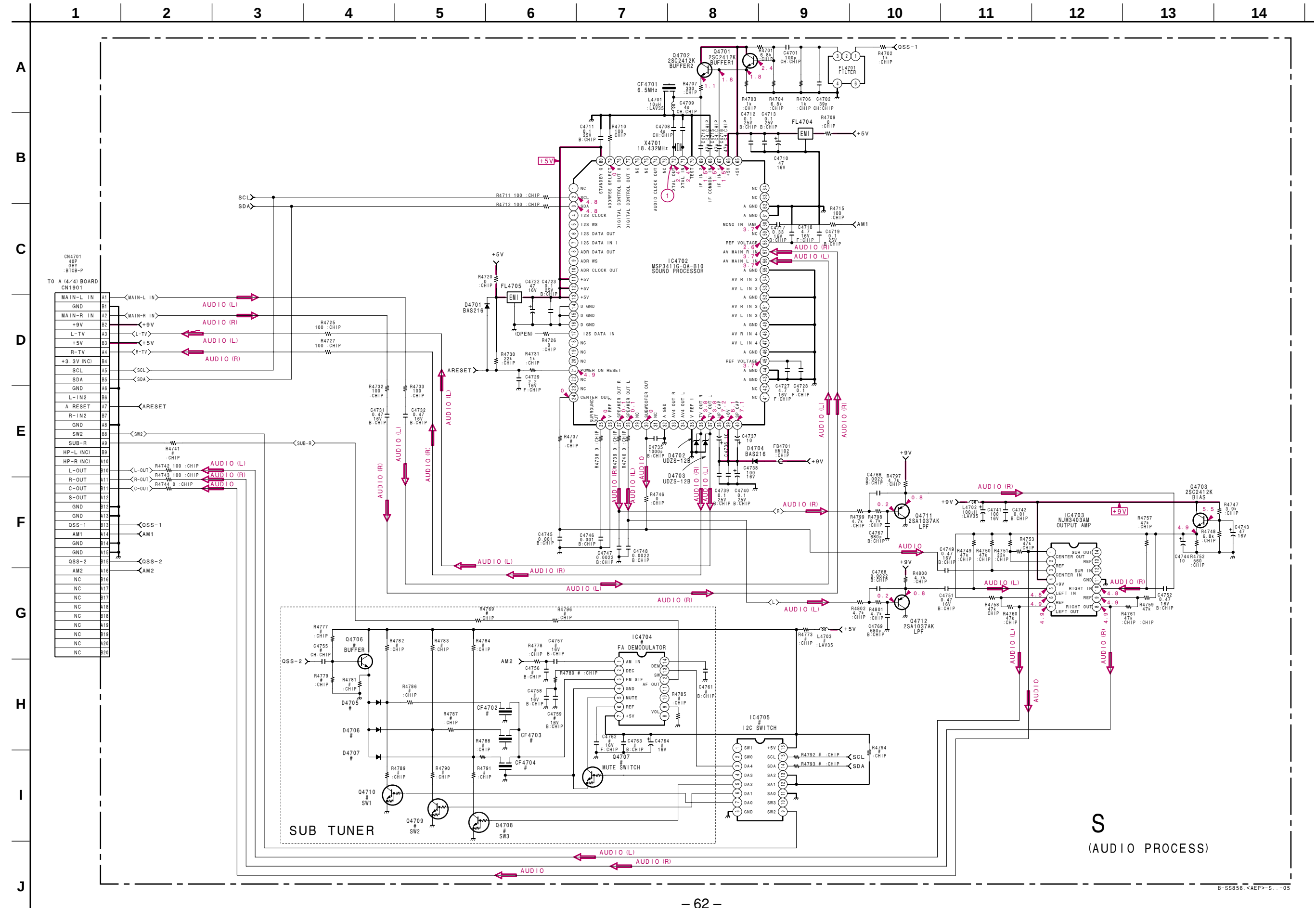
(20) Schematic Diagram of M (3/3) Board

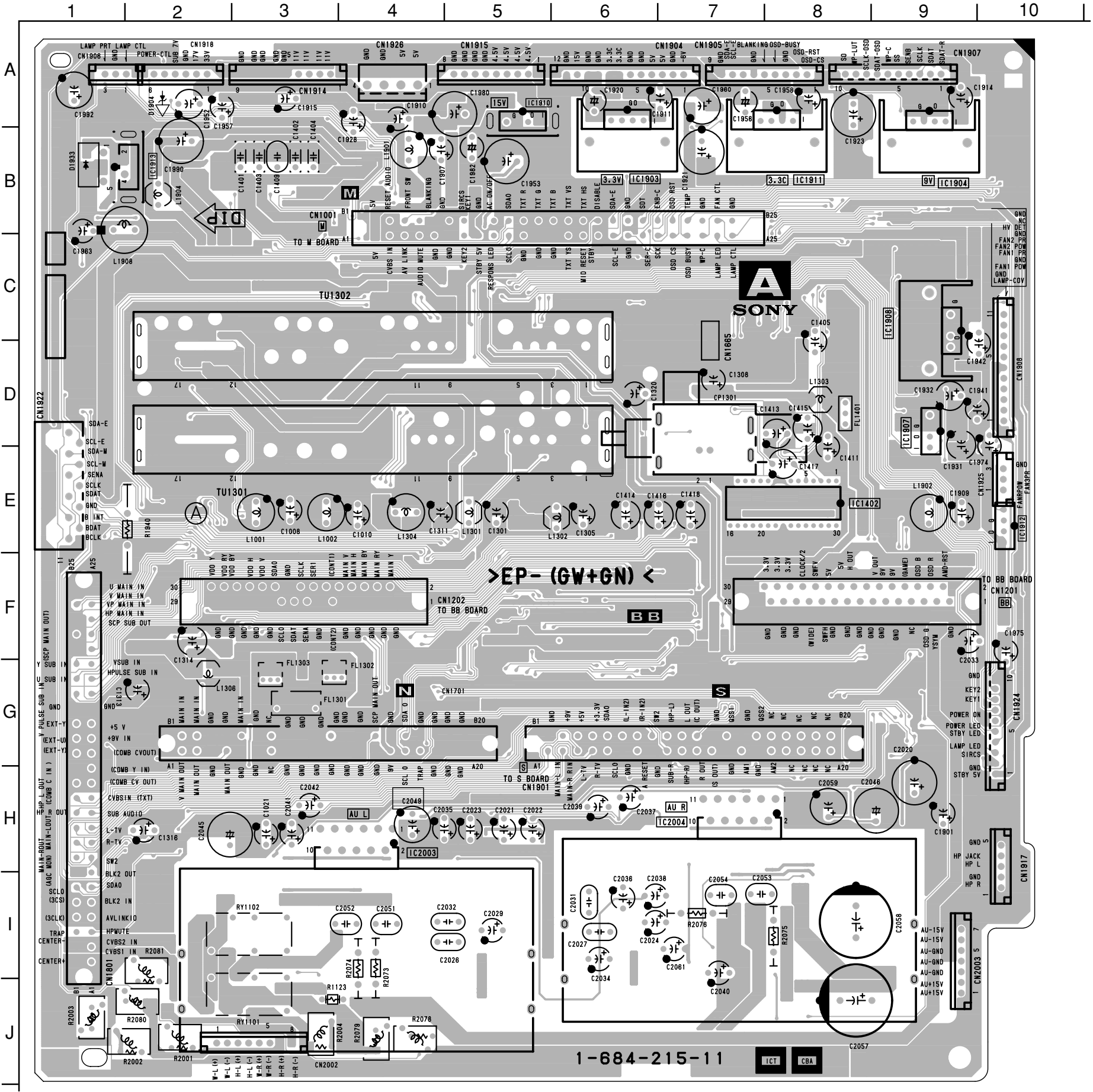


(21) Schematic Diagram of N Board



B-SS750.<AEP>-N...-05





A [TUNER, RGB MATRIX,
AUDIO OUT, REGULATOR]

• A BOARD SEMICONDUCTOR LOCATION
(Component Side)

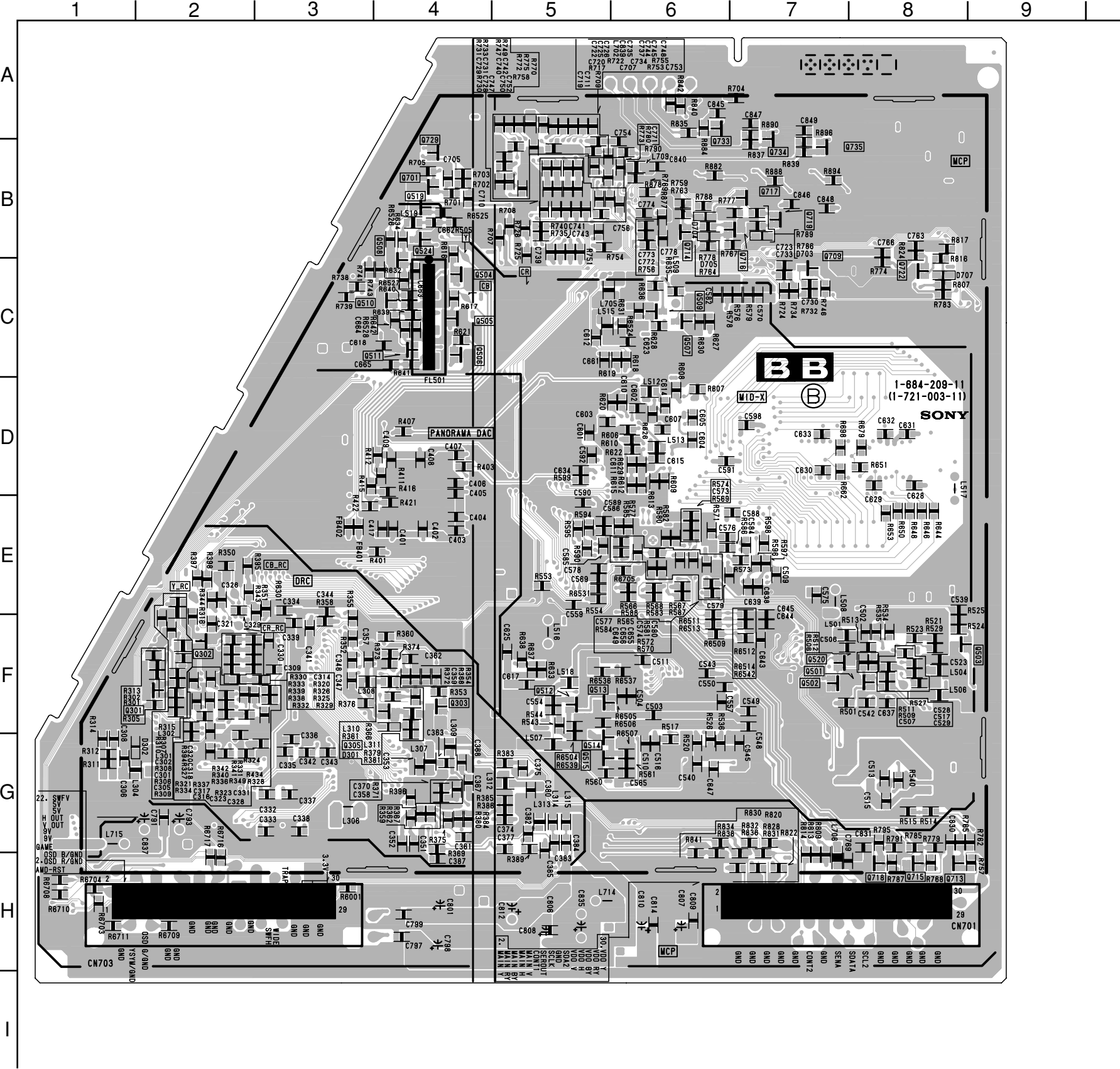
IC	
IC1402	E-8
IC1903	B-6
IC1904	B-9
IC1907	D-9
IC1908	C-9
IC1910	A-5
IC1911	B-8
IC1913	B-2
IC2003	H-4
IC2004	H-7
DIODE	
D1904	A-2
D1933	B-1



***: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 40)**

BB [DRC, AMDP, MID-X]

— BB BOARD (Conductor Side) —

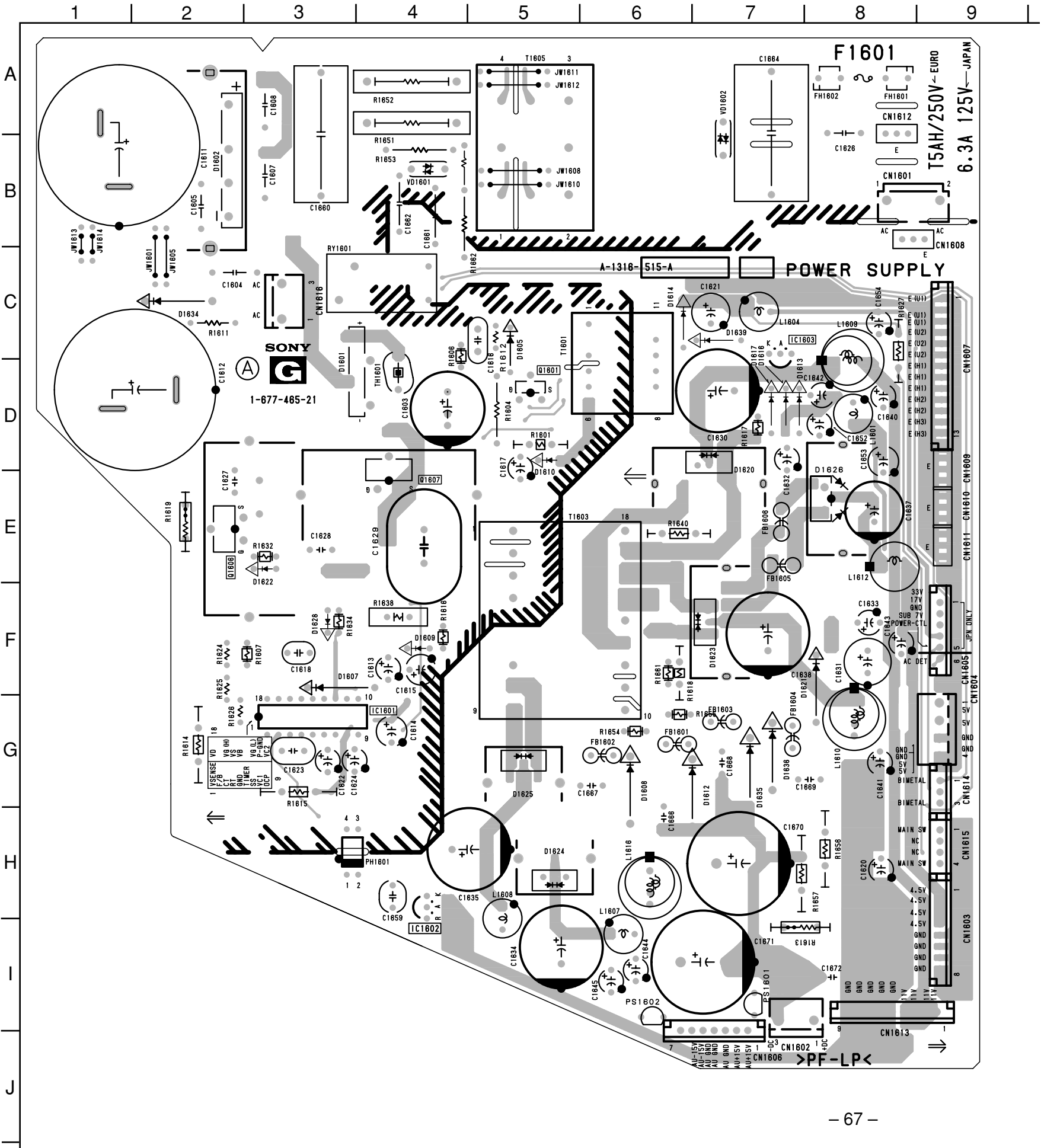


• BB BOARD SEMICONDUCTOR LOCATION
(Conductor Side)

TRANSISTOR			DIODE		
Q301	F-2	①	Q713	H-8	①
Q302	F-2	①	Q714	B-6	①
Q303	F-4	①	Q715	H-8	①
Q305	G-3	①	Q716	B-7	①
Q503	F-8	①	Q717	B-7	①
Q504	C-4	①	Q718	H-7	①
Q505	C-4	①	Q719	B-7	①
Q506	C-4	①	Q722	C-8	①
Q507	C-6	①	Q733	B-6	①
Q508	B-4	①	Q734	B-7	①
Q509	C-6	①	Q735	B-7	①
Q510	C-3	①	DIODE		
Q511	C-4	①	*		
Q512	F-5	①	D301	G-3	③
Q513	F-5	①	D703	B-7	③
Q514	G-5	①	D704	B-6	③
Q515	G-5	①	D705	B-6	③
Q519	B-4	①	D707	C-8	③
Q524	B-4	①			

※: Refer to Terminal name of semiconductors in silk
screen printed circuit (see page 40)

— G BOARD (Component Side) —

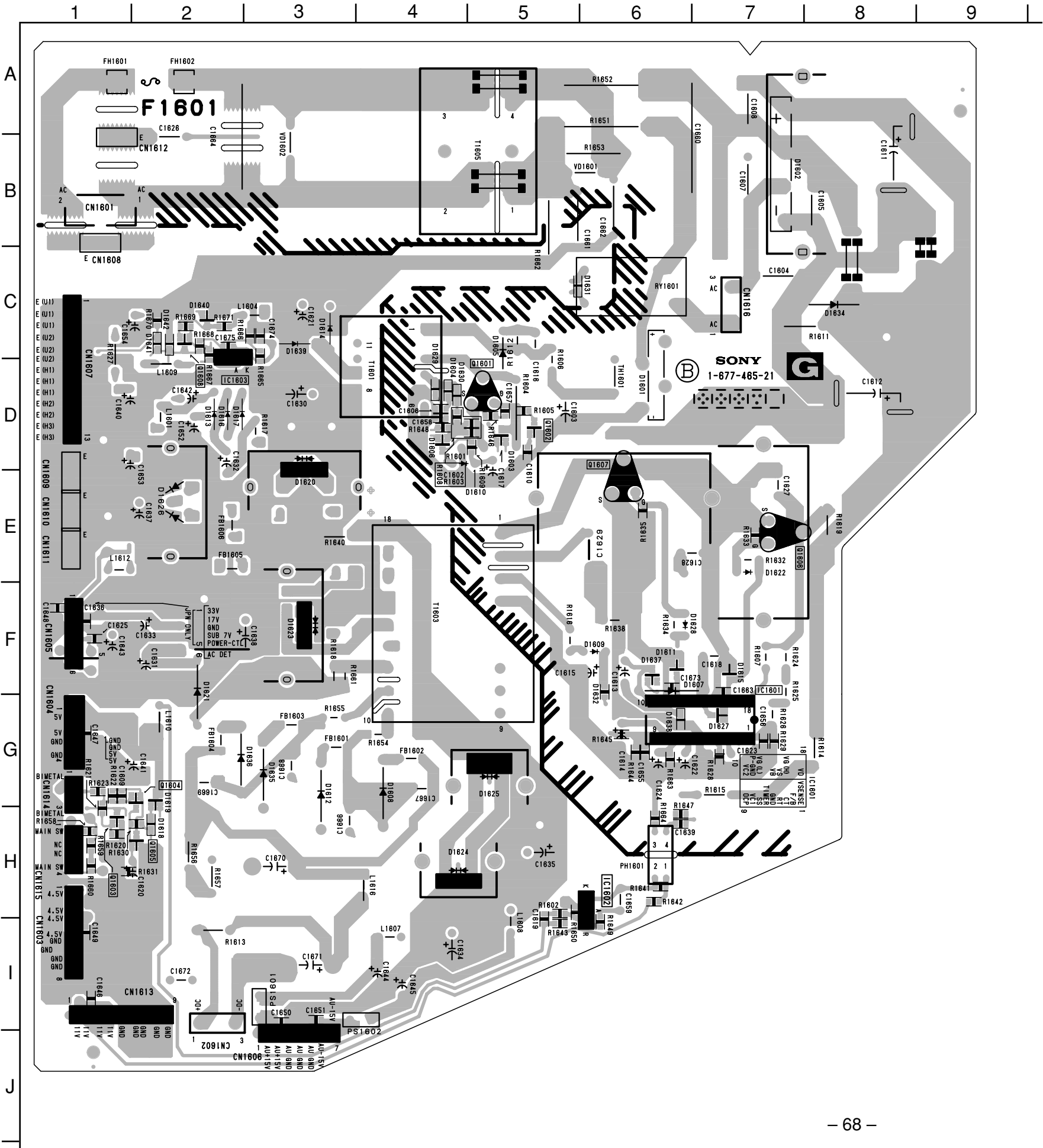


G [POWER SUPPLY]

• G BOARD SEMICONDUCTOR LOCATION
(Component Side)

IC	
IC1601	G-4
IC1602	I-4
IC1603	C-7
TRANSISTOR	
Q1601	D-5
Q1606	E-2
Q1607	E-4
DIODE	
D1601	D-3
D1602	B-2
D1605	C-5
D1607	F-3
D1608	G-6
D1609	F-4
D1610	D-5
D1612	G-7
D1613	D-7
D1614	C-6
D1616	D-7
D1617	D-7
D1620	D-7
D1621	F-8
D1623	F-7
D1624	H-5
D1625	G-5
D1626	E-8
D1635	G-7
D1636	G-7
D1639	C-7

— G BOARD (Conductor Side) —



G

[POWER SUPPLY]

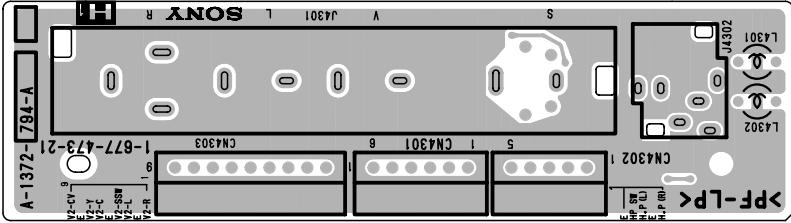
• G BOARD SEMICONDUCTOR LOCATION
(Conductor Side)

IC		D1607 F-6	
IC1601	G-7	D1608 G-4	—
		D1609 F-6	—
		D1610 E-5	—
		D1612 G-3	—
IC1602	H-6	D1613 D-2	—
		D1614 C-3	—
IC1603	D-2	D1616 D-2	—
		D1617 D-2	—
TRANSISTOR		D1618 H-2	
Q1601	D-5	D1619 H-2	④
		D1620 E-3	—
Q1602	D-5	D1621 F-2	—
Q1603	H-1	D1623 F-3	—
Q1604	G-2	D1624 H-4	—
Q1605	H-2	D1625 G-5	—
Q1606	E-7	D1626 E-2	—
Q1607	E-6	D1629 D-4	③
Q1608	D-2	D1630 D-4	③
DIODE		D1631 C-6	
D1601	D-6	D1632 F-6	⑤
		D1635 G-3	—
D1602	B-7	D1636 G-3	—
D1603	D-5	D1638 G-6	③
D1604	D-4	D1639 C-3	—
D1605	C-5	D1640 C-2	③
D1606	D-4	D1641 C-2	③
		D1642 C-2	③

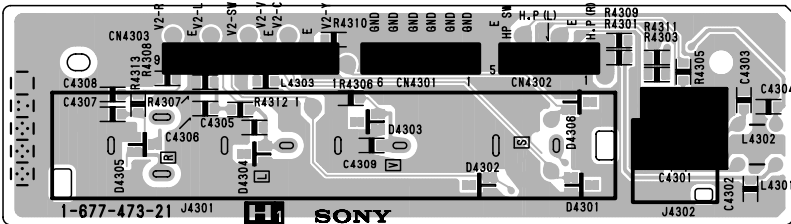
※: Refer to Terminal name of semiconductors in silk
screen printed circuit (see page 40)

[AV INPUT]

— H1 BOARD (Component Side) —

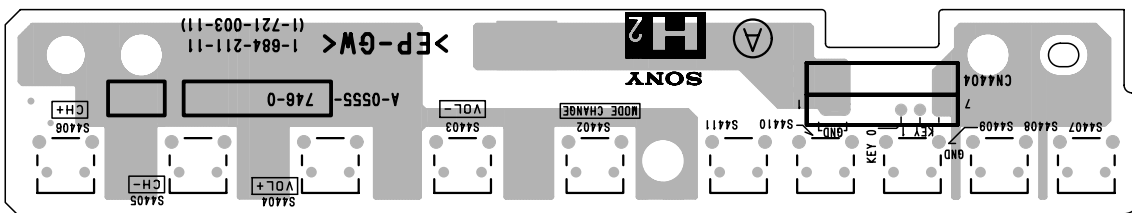


— H1 BOARD (Conductor Side) —

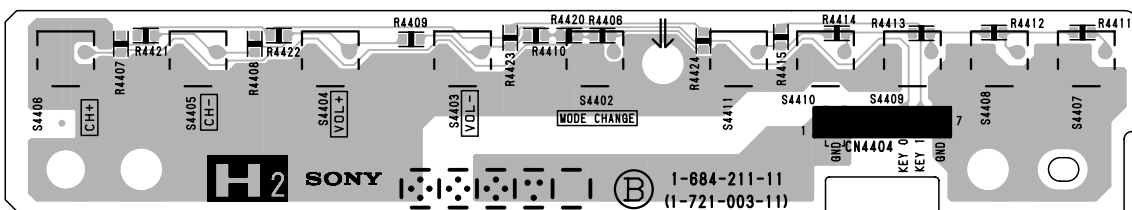


[KEY IN]

— H2 BOARD (Component Side) —

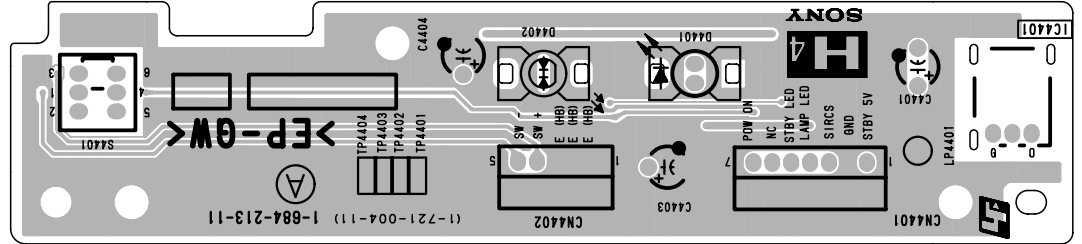


— H2 BOARD (Conductor Side) —

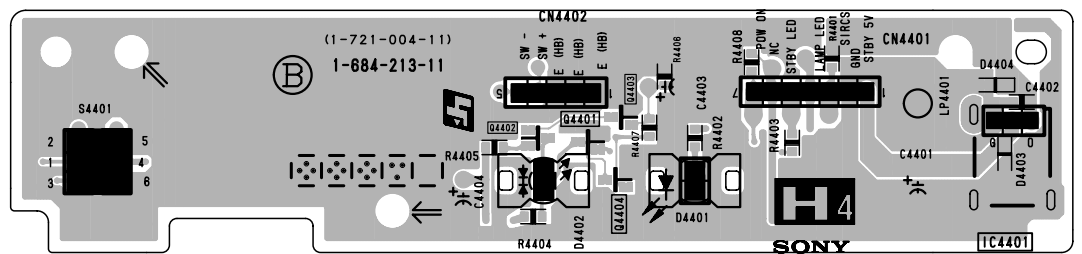


[REMOTE DET, POWER SW]

— H4 BOARD (Component Side) —

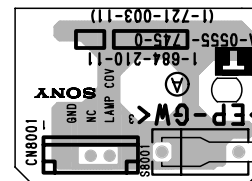


— H4 BOARD (Conductor Side) —

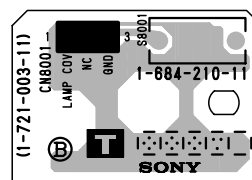


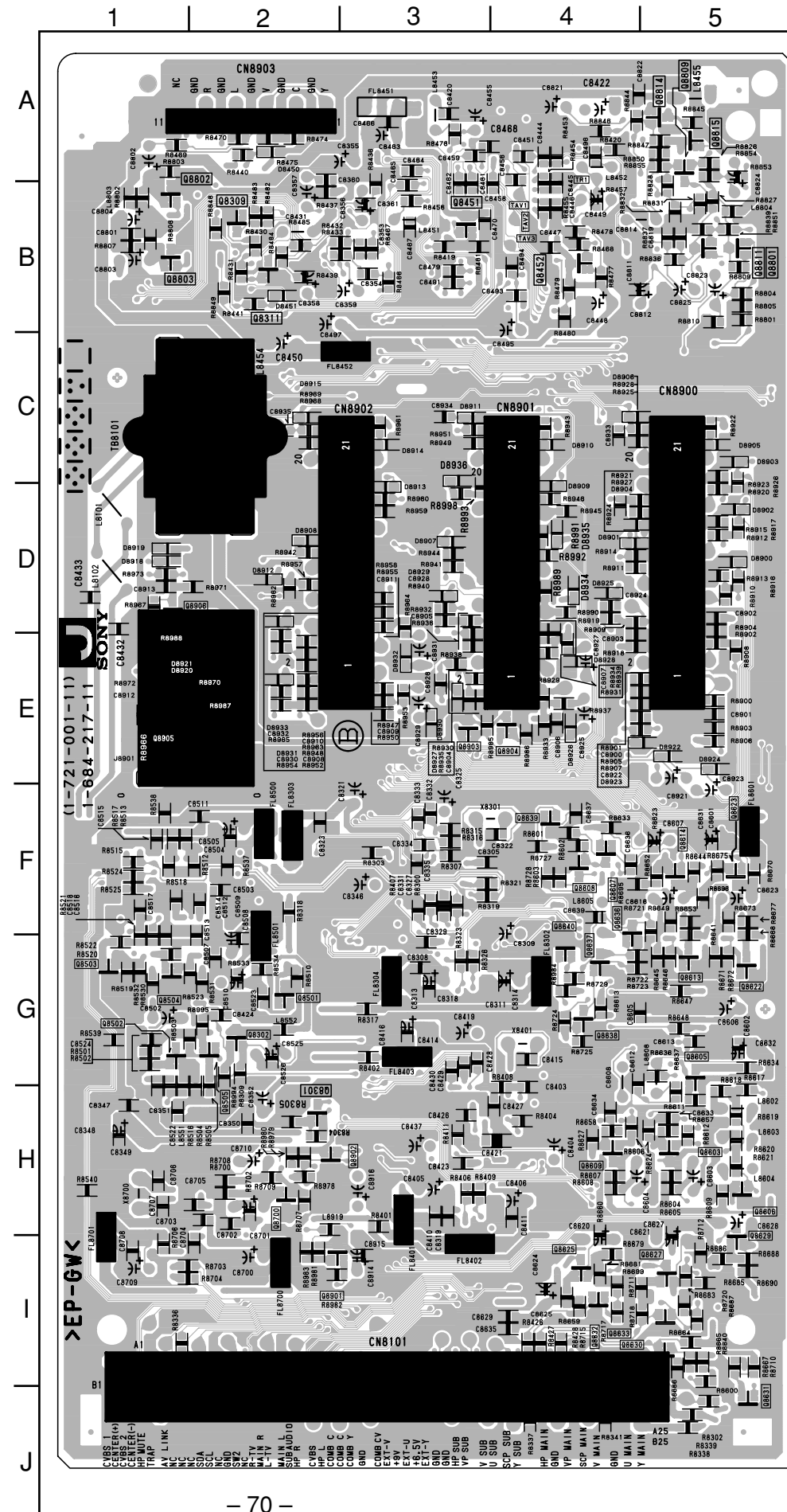
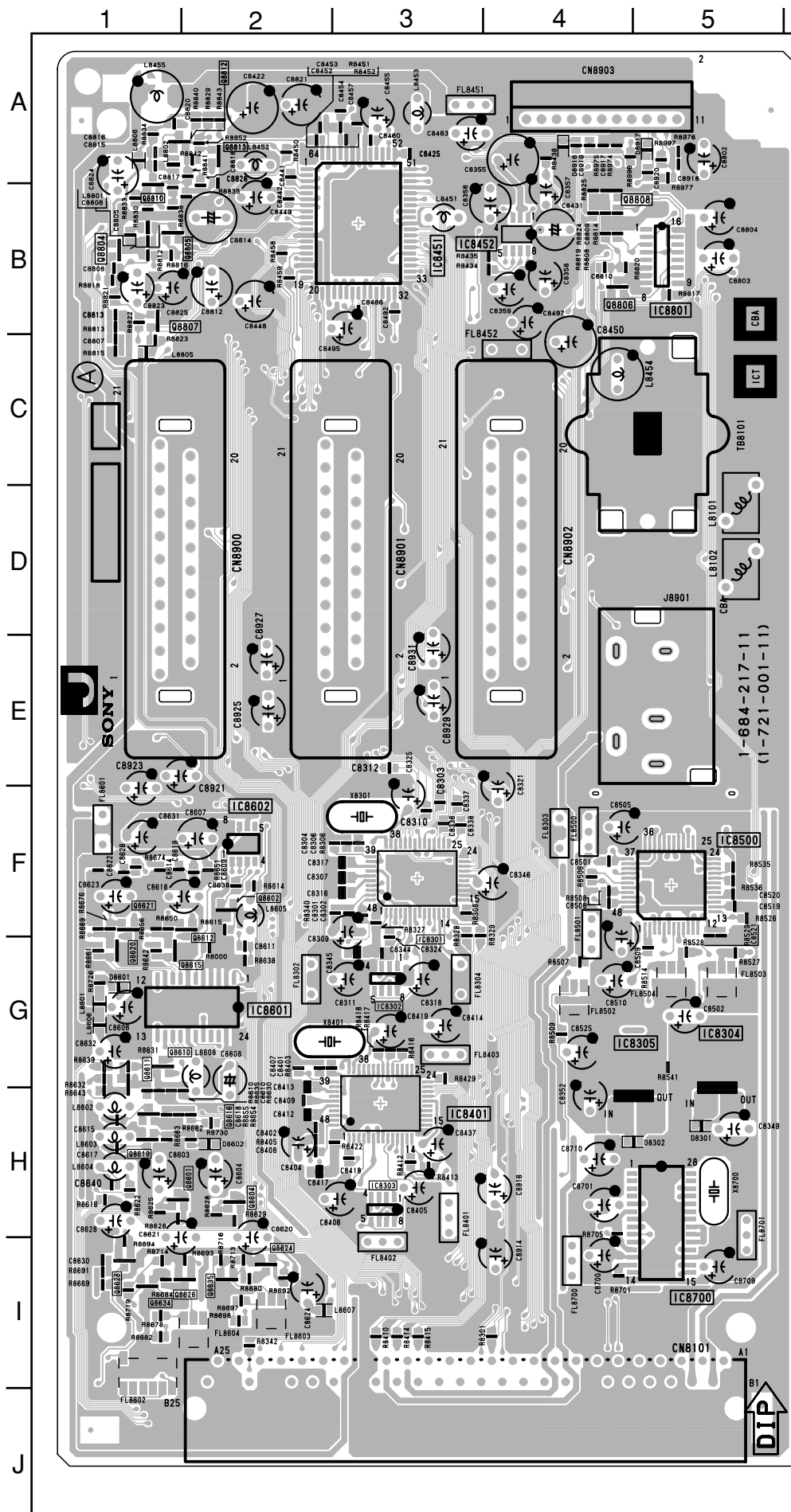
[LAMP DOOR SW]

— T BOARD (Component Side) —



— T BOARD (Conductor Side) —





• J BOARD SEMICONDUCTOR LOCATION

IC		Q8807 B-1		Q8809 B-1		Q8810 B-1		Q8811 B-5		Q8813 A-2		Q8901 I-2		Q8902 H-2		Q8903 E-3		Q8904 E-4		Q8905 E-1		Q8906 D-2	
(Component Side) (Conductor Side)																							
TRANSISTOR																							
(Component Side) (Conductor Side)																							
Q8301	H-2	①		Q8302	G-2	①		Q8309	B-2	①		Q8311	B-2	①		Q8451	B-3	①		Q8452	B-3	①	
Q8302	G-2	①		Q8309	B-2	①		Q8311	B-2	①		Q8451	B-3	①		Q8452	B-3	①		Q8500	F-5	①	
Q8309	B-2	①		Q8311	B-2	①		Q8451	B-3	①		Q8452	B-3	①		Q8500	F-5	①		Q8601	G-2	①	
Q8311	B-2	①		Q8451	B-3	①		Q8452	B-3	①		Q8500	F-5	①		Q8601	G-2	①		Q8602	F-2	①	
Q8451	B-3	①		Q8452	B-3	①		Q8500	F-5	①		Q8601	G-2	①		Q8602	F-2	①		Q8603	H-5	①	
Q8452	B-3	①		Q8500	F-5	①		Q8601	G-2	①		Q8602	F-2	①		Q8603	H-5	①		Q8604	H-2	①	
Q8500	F-5	①		Q8601	G-2	①		Q8602	F-2	①		Q8603	H-5	①		Q8604	H-2	①		Q8605	G-5	①	
Q8601	G-2	①		Q8602	F-2	①		Q8603	H-5	①		Q8604	H-2	①		Q8605	G-5	①		Q8606	H-5	①	
Q8602	F-2	①		Q8603	H-5	①		Q8604	H-2	①		Q8605	G-5	①		Q8606	H-5	①		Q8607	F-4	①	
Q8603	H-5	①		Q8604	H-2	①		Q8605	G-5	①		Q8606	H-5	①		Q8607	F-4	①		Q8609	H-4	①	
Q8604	H-2	①		Q8605	G-5	①		Q8606	H-5	①		Q8607	F-4	①		Q8609	H-4	①		Q8610	G-1	②	
Q8605	G-5	①		Q8606	H-5	①		Q8607	F-4	①		Q8609	H-4	①		Q8610	G-1	②		Q8611	G-1	②	
Q8606	H-5	①		Q8607	F-4	①		Q8609	H-4	①		Q8610	G-1	②		Q8611	G-1	②		Q8612	G-2	②	
Q8607	F-4	①		Q8609	H-4	①		Q8610	G-1	②		Q8611	G-1	②		Q8612	G-2	②		Q8614	F-5	①	
Q8609	H-4	①		Q8610	G-1	②		Q8611	G-1	②		Q8612	G-2	②		Q8614	F-5	①		Q8615	G-2	②	
Q8610	G-1	②		Q8611	G-1	②		Q8612	G-2	②		Q8614	F-5	①		Q8615	G-2	②		Q8616	H-2	②	
Q8611	G-1	②		Q8612	G-2	②		Q8614	F-5	①		Q8615	G-2	②		Q8616	H-2	②		Q8620	G-1	②	
Q8612	G-2	②		Q8614	F-5	①		Q8615	G-2	②		Q8616	H-2	②		Q8620	G-1	②		Q8621	F-1	②	
Q8614	F-5	①		Q8615	G-2	②		Q8616	H-2	②		Q8620	G-1	②		Q8621	F-1	②		Q8623	F-5	①	
Q8615	G-2	②		Q8616	H-2	②		Q8620	G-1	②		Q8621	F-1	②		Q8623	F-5	①		Q8624	I-2	①	
Q8616	H-2	②		Q8620	G-1	②		Q8621	F-1	②		Q8623	F-5	①		Q8624	I-2	①		Q8625	I-4	①	
Q8620	G-1	②		Q8621	F-1	②		Q8623	F-5	①		Q8624	I-2	①		Q8625	I-4	①		Q8626	I-2	②	
Q8621	F-1	②		Q8623	F-5	①		Q8624	I-2	①		Q8625	I-4	①		Q8626	I-2	②		Q8627	I-5	①	
Q8623	F-5	①		Q8624	I-2	①		Q8625	I-4	①		Q8626	I-2	②		Q8627	I-5	①		Q8628	I-1	②	
Q8624	I-2	①		Q8625	I-4	①		Q8626	I-2	②		Q8627	I-5	①		Q8628	I-1	②		Q8629	I-5	①	
Q8625	I-4	①		Q8626	I-2	②		Q8627	I-5	①		Q8628	I-1	②		Q8629	I-5	①		Q8630	I-4	①	
Q8626	I-2	②		Q8627	I-5	①		Q8628	I-1	②		Q8629	I-5	①		Q8630	I-4	①		Q8631	J-5	①	
Q8627	I-5	①		Q8628	I-1	②		Q8629	I-5	①		Q8630	I-4	①		Q8631	J-5	①		Q8632	I-4	①	
Q8628	I-1	②		Q8629	I-5	①		Q8630	I-4	①		Q8631	J-5	①		Q8632	I-4	①		Q8633	I-4	①	
Q8629	I-5	①		Q8630	I-4	①		Q8631	J-5	①		Q8632	I-4	①		Q8633	I-4	①		Q8634	I-1	②	
Q8630	I-4	①		Q8631	J-5	①		Q8632	I-4	①		Q8633	I-4	①		Q8634	I-1	②		Q8635	I-2	②	
Q8631	J-5	①		Q8632	I-4	①		Q8633	I-4	①		Q8634	I-1	②		Q8635	I-2	②		Q8636	F-4	①	
Q8632	I-4	①		Q8633	I-4	①		Q8634	I-1	②		Q8635	I-2	②		Q8636	F-4	①		Q8637	G-4	①	
Q8633	I-4	①		Q8634	I-1	②		Q8635	I-2	②		Q8636	F-4	①		Q8637	G-4	①		Q8638	G-4	①	
Q8634	I-1	②		Q8635	I-2	②		Q8636	F-4	①		Q8637	G-4	①		Q8638	G-4	①		Q8639	F-4	①	
Q8635	I-2	②		Q8636	F-4	①		Q8637	G-4	①		Q8638	G-4	①		Q8639	F-4	①		Q8640	F-4	①	
Q8636	F-4	①		Q8637	G-4	①		Q8638	G-4	①		Q8639	F-4	①		Q8640	F-4	①		Q8700	H-2	①	
Q8637	G-4	①		Q8638	G-4	①		Q8639	F-4	①		Q8640	F-4	①		Q8700	H-2	①		Q8801	B-5	①	
Q8638	G-4	①		Q8639	F-4	①		Q8640	F-4	①		Q8700	H-2	①		Q8801	B-5	①		Q8804	B-1	②	
Q8639	F-4	①		Q8640	F-4	①		Q8700	H-2	①		Q8801	B-5	①		Q8804	B-1	②					
Q8640	F-4	①		Q8700	H-2	①		Q8801	B-5	①		Q8804	B-1	②									
Q8700	H-2	①		Q8801	B-5	①		Q8804	B-1	②													
Q8801	B-5	①		Q8804	B-1	②																	
Q8804	B-1	②																					

※: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 40)

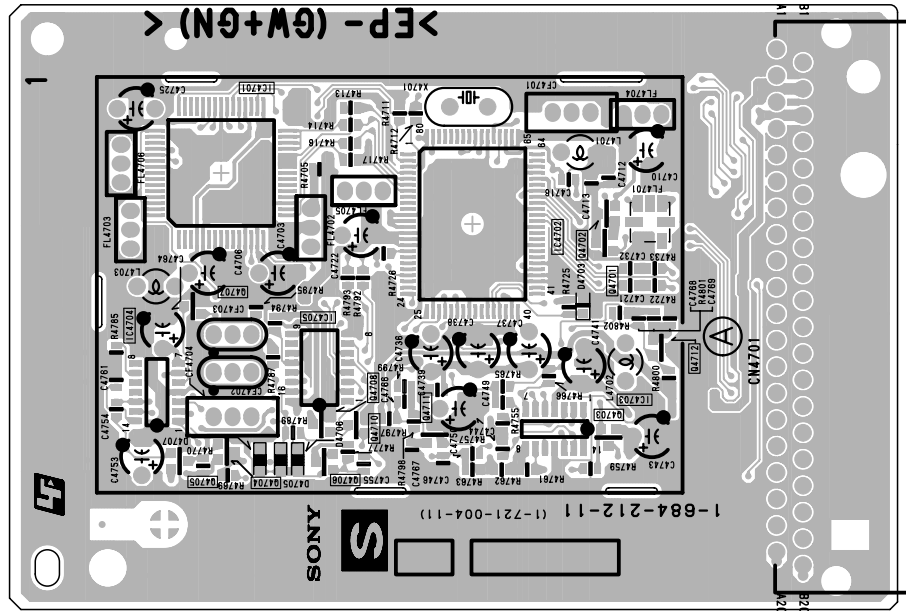
IC			
(Component Side)	(Conductor Side)		
IC9100		D-4	
IC9101	A-2		
IC9102	B-2		
IC9104	E-2		
IC9105	E-3		
IC9107	E-5		
IC9108	E-2		
IC9109	F-5		
IC9110	E-2		
IC9111	D-3	D-3	
IC9400	D-5		
IC9500		F-3	
IC9501	G-4		
IC9502	F-3		
IC9701	C-2		
IC9703	B-4		
IC9704	C-4		
IC9705	B-4		
IC9706	A-3	A-2	
IC9707	A-2		
IC9708	A-3		
IC9709	C-2		
TRANSISTOR			
(Component Side)	(Conductor Side)		*
Q9100	F-4	①	
Q9101	F-4	①	
Q9102	F-4	①	
Q9103	F-4	①	
Q9104	F-4	①	
Q9106	E-2	②	
Q9107	E-2	②	
Q9108	E-2	②	
Q9109	E-2	②	
Q9110	F-2	②	
Q9111	D-2	②	
Q9112		D-3	①
Q9113			
Q9114		C-4	①
Q9115		C-4	①
Q9116		D-4	①
Q9117		C-4	①
Q9500	F-1		②
Q9501	F-1		②
Q9502	F-2		②
Q9503		F-4	①
Q9504		G-3	①
Q9701	B-2		②
Q9702	A-4		②
Q9703	B-4		②
Q9704		B-3	①
Q9710	B-2		②
Q9712	B-2		②
DIODE			
(Component Side)	(Conductor Side)		*
D9100		D-5	③
D9101		D-5	③
D9102		D-5	③
D9103		E-5	③
D9104		F-4	③
D9105		F-4	③
D9107		D-4	③
D9108	E-2		⑪
D9109	D-2		⑤
D9110	D-2		⑤
D9111	D-2		⑤
D9112		E-5	③
D9113	E-1		③
CRYSTAL			
(Component Side)	(Conductor Side)		
X9101	E-2	E-4	
X9500	G-2	G-4	
X9701	B-3	B-3	

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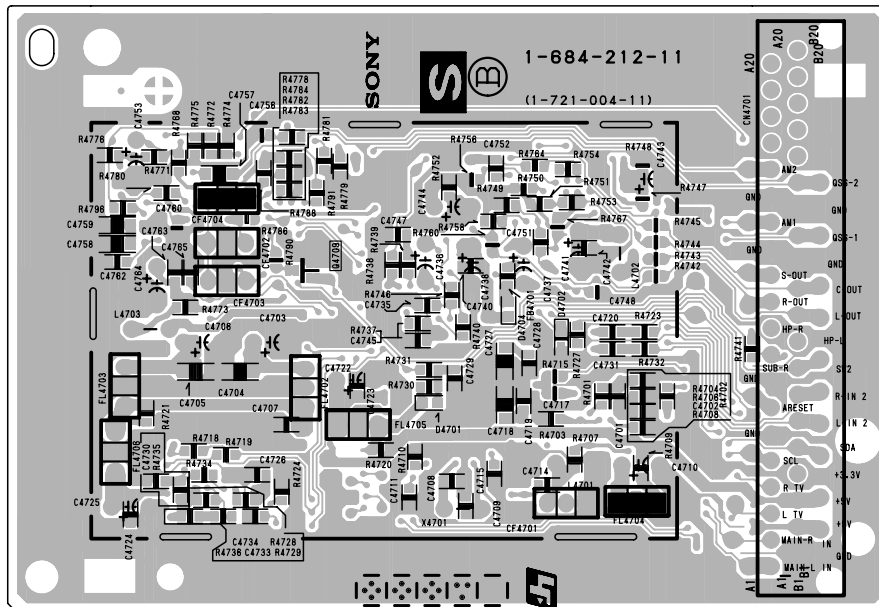
[NOISE REDUCTION]



— S BOARD (Component Side) —

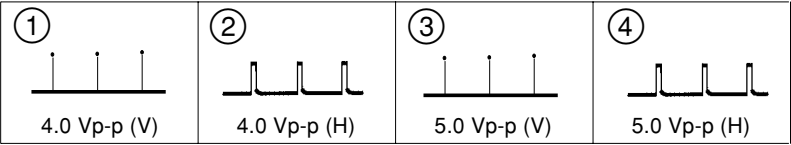


— S BOARD (Conductor Side) —

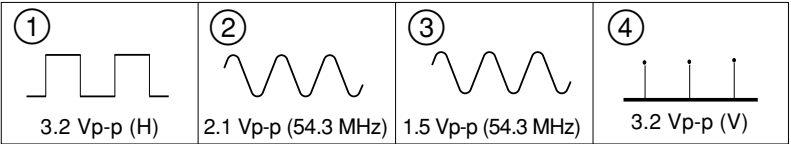


4-5. WAVEFORMS

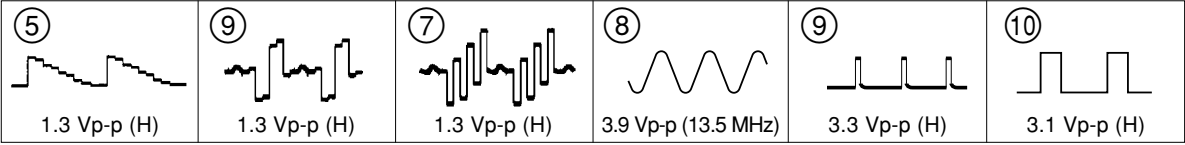
• A (2/4) BOARD WAVEFORMS



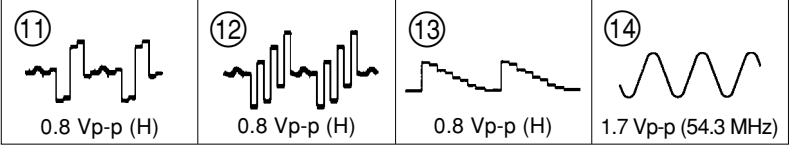
• BB (1/6) BOARD WAVEFORMS



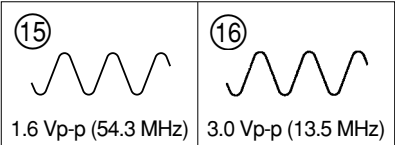
• BB (2/6) BOARD WAVEFORMS



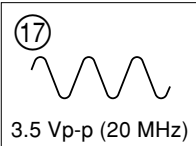
• BB (3/6) BOARD WAVEFORMS



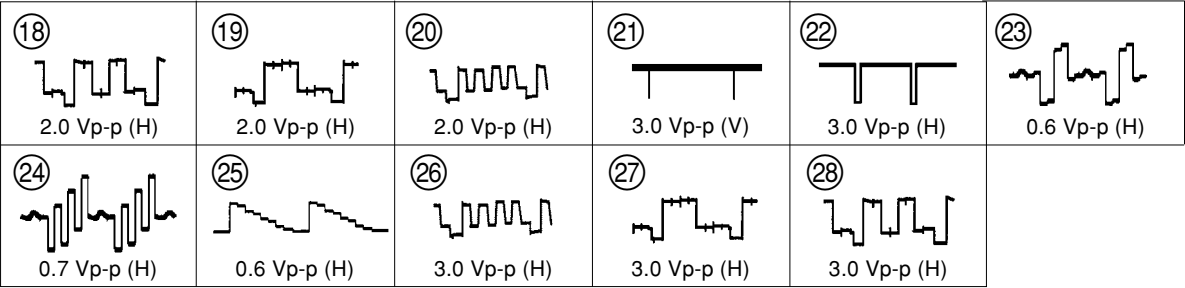
• BB (4/6) BOARD WAVEFORMS



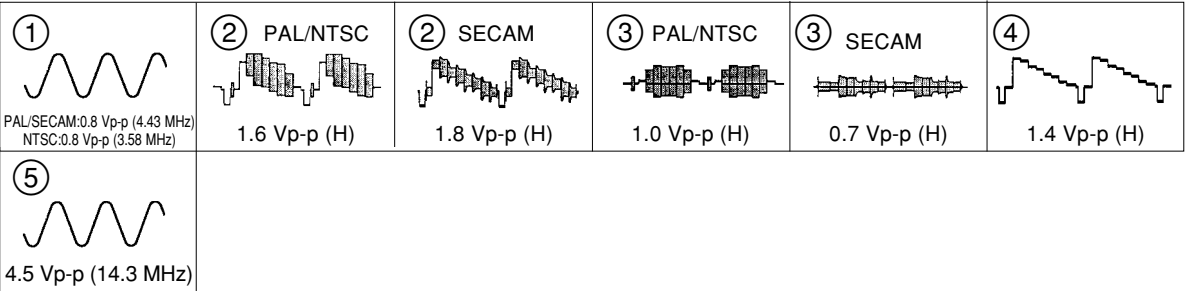
• BB (5/6) BOARD WAVEFORM



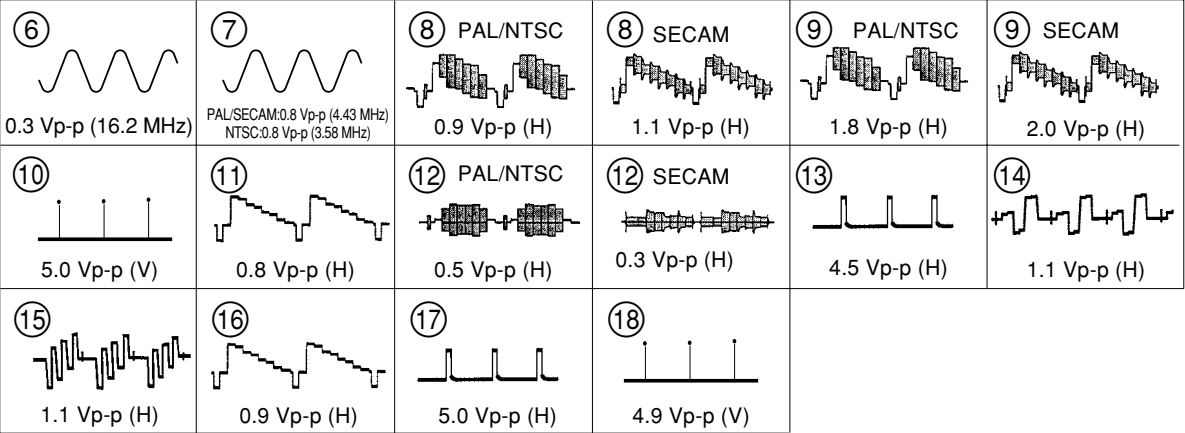
• BB (6/6) BOARD WAVEFORMS



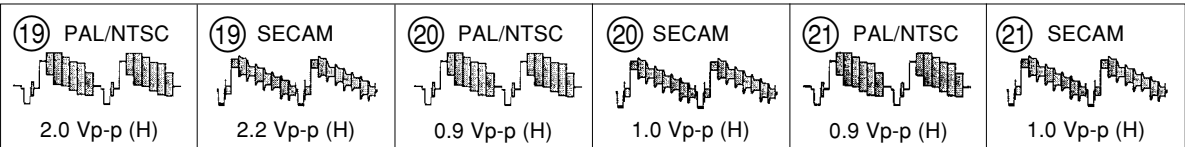
• J (1/5) BOARD WAVEFORMS



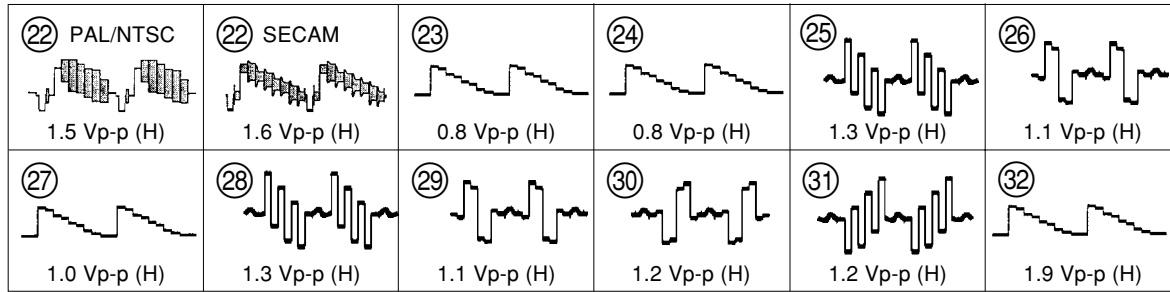
• J (3/5) BOARD WAVEFORMS



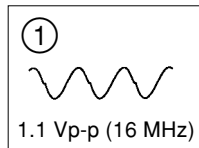
• J (4/5) BOARD WAVEFORMS



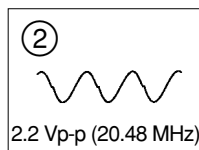
• J (5/5) BOARD WAVEFORMS



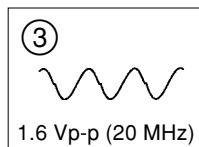
• M (1/3) BOARD WAVEFORM



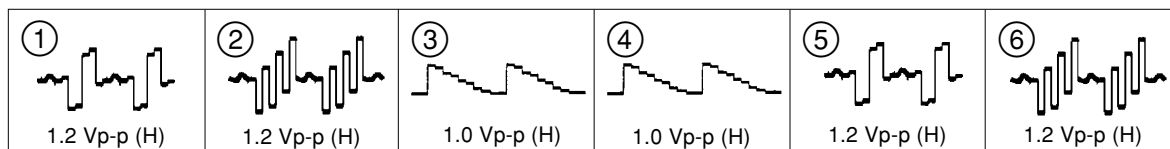
• M (2/3) BOARD WAVEFORM



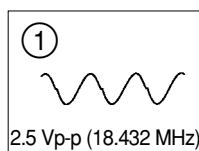
• M (3/3) BOARD WAVEFORM



• N BOARD WAVEFORMS

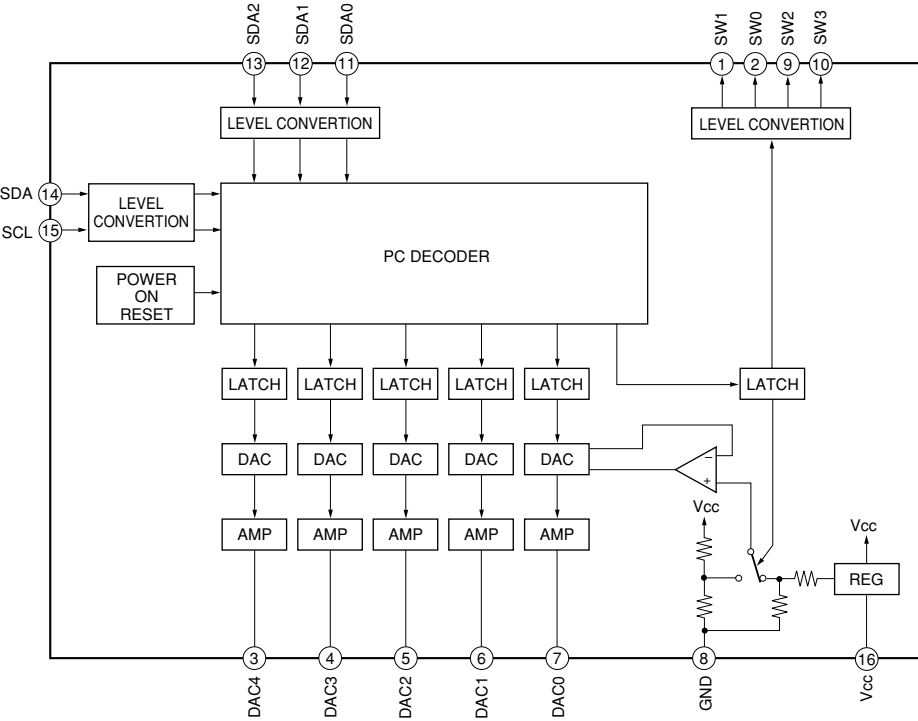


• S BOARD WAVEFORM

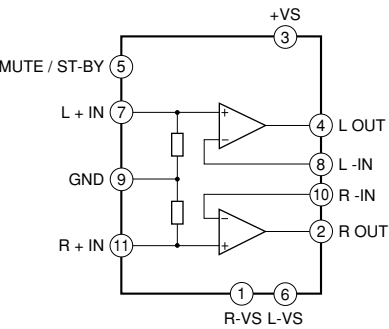


4-6. IC BLOCK DIAGRAMS

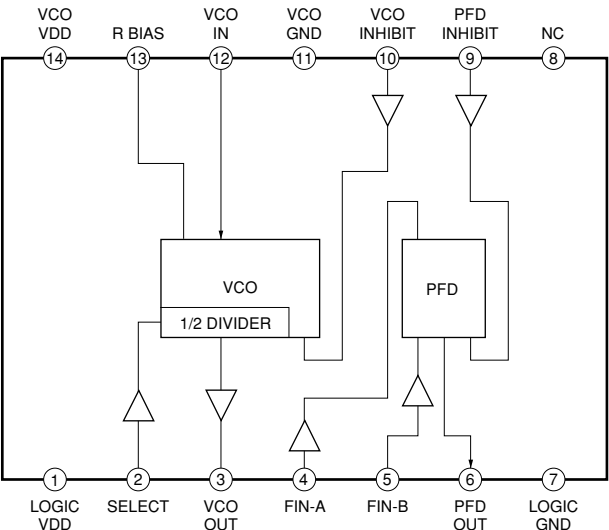
- A (1/4) BOARD IC1401, 1902
- A (4/4) BOARD IC1004
- M (2/3) BOARD IC9101
- N BOARD IC2505
- S BOARD IC4705
CXA1875AM



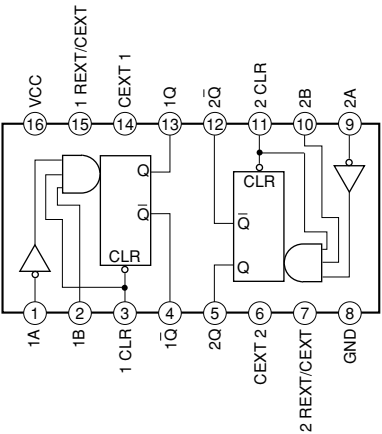
- A (3/4) BOARD IC2003, 2004
TDA7269A



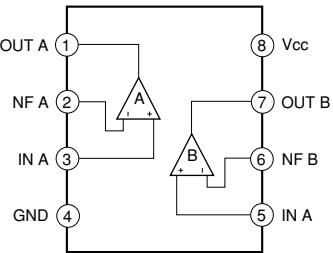
- BB (2/6) BOARD IC306
- BB (5/6) BOARD IC505
TLC2932IPWR



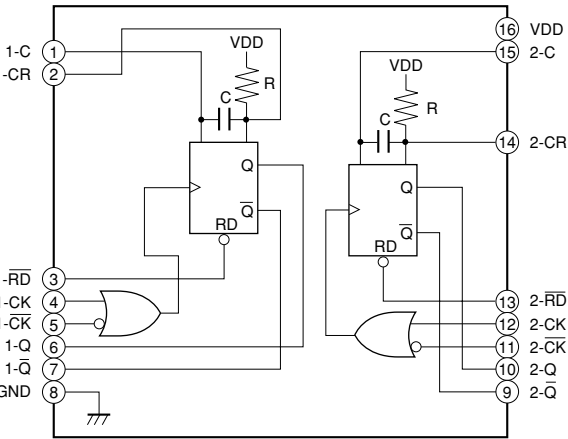
- BB (6/6) BOARD IC707
74VHC123ASJX



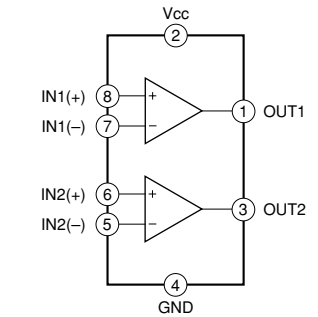
- M (1/3) BOARD IC9100
LM393PS



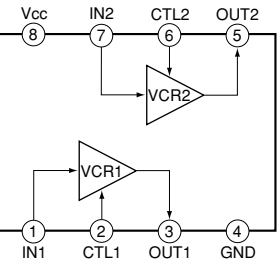
- BB (6/6) BOARD IC703
MC14538BFEL



- J (4/5) BOARD IC8452
TDA2822D013TR

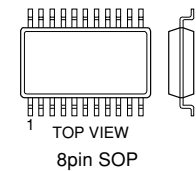


- N BOARD IC2502
BA7655AT

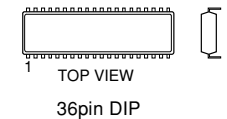


4-7. SEMICONDUCTORS

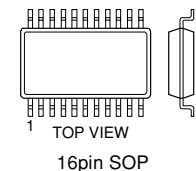
BA7655AF-E2
LM393PS
LM393PS-E20
LM75CIMX-5
MB3793-42PNF
MB3793-42PNF-ER
M24C08-MN6T
M24C08-MN6T(A)
M24C32-MN6T
NJM2233BM
NJM2233BM(Te2)
TC7WT241FU(Te12R)
TC7W00F
TC7W00F(Te12R)
TC7W04F
TC7W04F(Te12R)
TC7W08F
TC7W08F(Te12R)
TDA2822D013TR



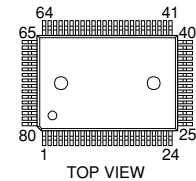
CXA1815S



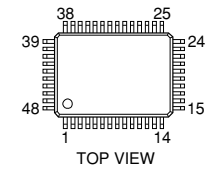
CXA1875AM-T4
MC14094BF
MC14094BFEL
MC14538BF
MC14538BFEL
74VHC123ASJX



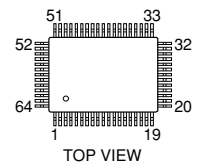
CXA2101AQ
MSP3411G-QA-B10



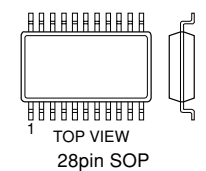
CXA2123BQ-T6



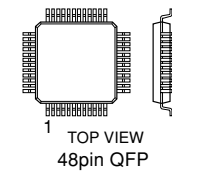
CXA2149Q-TL



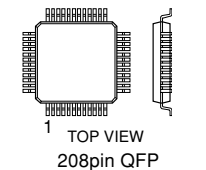
CXD2057M-T6



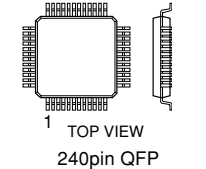
CXD2064Q-T6



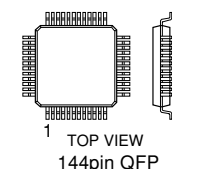
CXD2095AQ



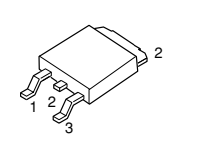
CXD9509AQ



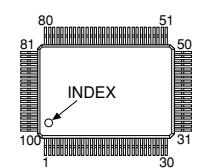
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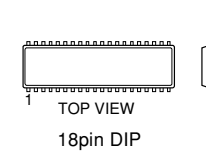
LF50CDT-TR



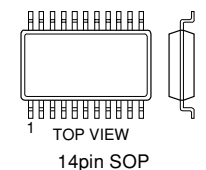
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MB94918RPF-G-102-BND
SAB-C161PI-LM



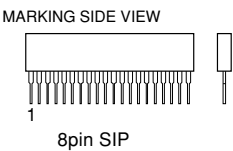
MCZ3001D



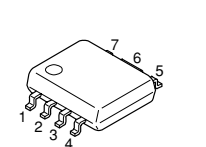
MC74HC4066AFEL
NJM319M
NJM319M-TE2
NJM3403AM
NJM3403AM(Te2)
TLC2932IPWR
TLC2933IPWR-12



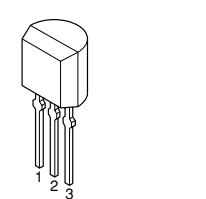
MM115XFBE



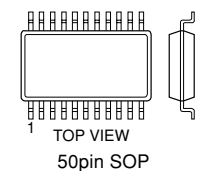
MM1476AF(TP)



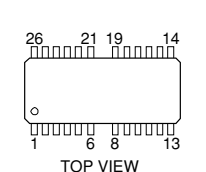
MN1381-T(TA)



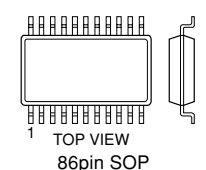
MSM56V16160D-10TS-K
MT48LC1M16A1TG-7S



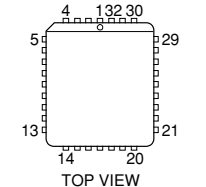
MT4C4M4A1-DJ-6



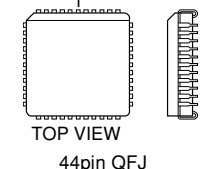
MT48LC2M32B2TG-7



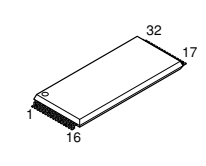
M27C1001-45XC1-LE3A-3
M27C1001-45XC1-LE3B-3



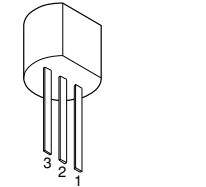
M27C800-100K1-LE3A-1



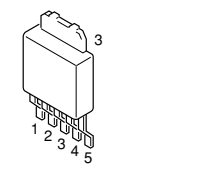
M29F040B-70N1T



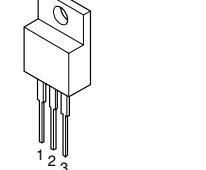
NJM78L05A
TA78L005AP-TPE6



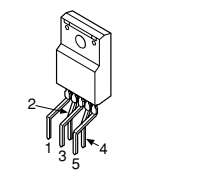
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PQ070XZ01ZP



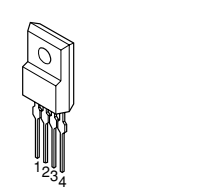
PQ09RF21



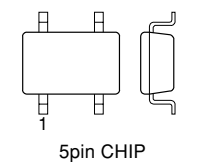
PQ1CG2032FZ



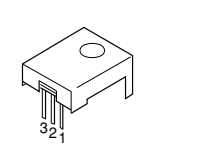
PQ30RV11
PQ30RV31



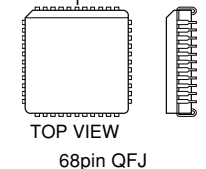
PST9120NL
TC7SET00FU(Te85R)
TC7SET08F(Te85L)
TC7SET08FU(Te85L)
TC7SET08FU(Te85R)
TC7SH08FU-TE85R
TC7S02FU(Te85R)



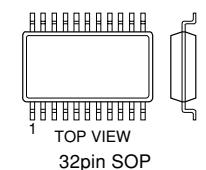
SBX1971-51P



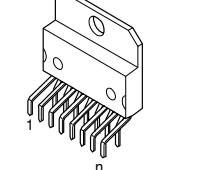
SDA5275-3PC02-22



TC554001AF-70L (EL)

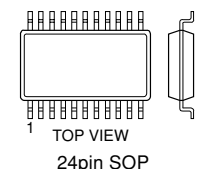


TDA7269A

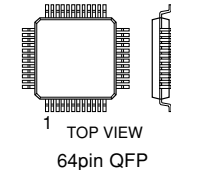


n=11pin

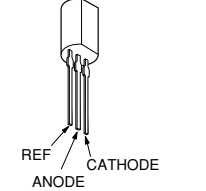
TDA9178T/N1.118



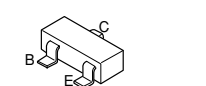
TLC5733AIPM



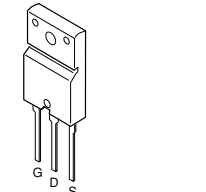
μPC1093J-1-T



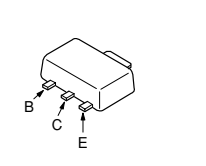
DTA114EKA-T146
DTA144EKA-T146
DTC114EK
DTC114EKA-T146
DTC114YKA-T146
DTC143EKA-T146
DTC144EKA
DTC144EKA-T146
2PB709AR-115
2PD601AR-115
2SA1037AK-T146-QR
2SA1037AK-T146-R
2SA1162-G
2SB624-BV5
2SB624-T1BV5
2SC1623-L5L6
2SC2412K-T-146-QR
2SC2412K-T-146-R
2SD2114K
2SD2114KT146
2SD596-DV5
2SD596-T1DV5
2SD601A-Q-TX



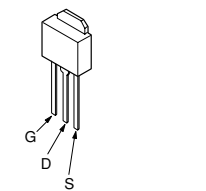
IRFIB7N50A-LF31



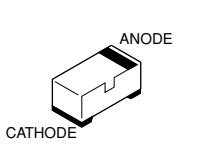
2SK2036(Te85L)



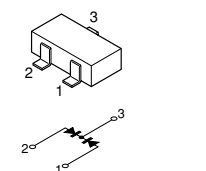
2SK2663



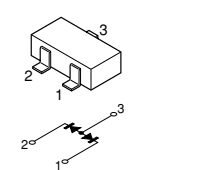
BAS216



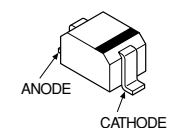
DAN202K
DAN202K-T-146
STZ6.8T
STZ6.8TT146



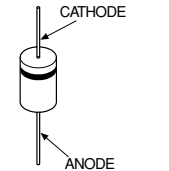
DAP202K
DAP202K-T-146



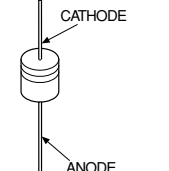
DTZ-TT11-6.8B
MA111-TX
MA113-(TX)
RD12SB2
UDZ-TE-17-12B
UDZ-TE-17-8.2B
UDZS-TE17-12B
UDZSTE-173.9B
UDZSTE-174.7B
UDZSTE-176.8B
UDZSTE-178.2B
1SS355TE-17



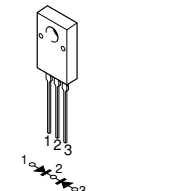
D1NL20U-TR
D1NS4
D1NS4-TA2
ERA22-08
ERA22-08TP3
UF4005PKG23



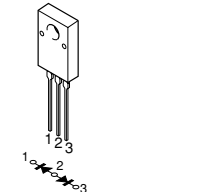
D1N20R
D1N20R-TR
MTZJ-T-77-3.6A
MTZJ-3.6A
S2L60F



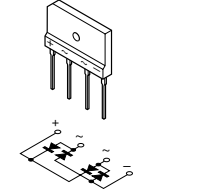
D10SC4M
D10SC4M-F
D10SC6M



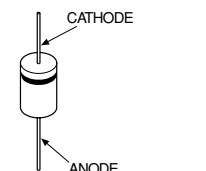
D10SC6MR



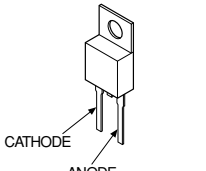
D2SB60A-F04
D6SB60L



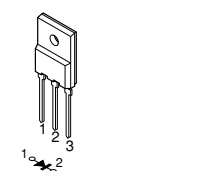
D2S6M
D2S6MTA1



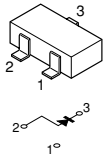
D5S4M



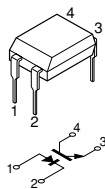
FCQ30A04



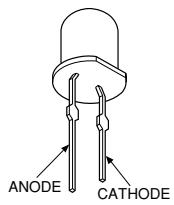
MA3056M-TX
RD15M-T1B2
RD5.6M-B2
RD5.6M-B3
RD5.6M-T1B2
RD5.6M-T1B3
RD6.8M-B2
RD6.8M-T1B2
02CZ5.6-TE85L



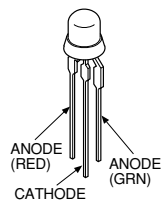
PC123FY2
PC123F2



TLR123



TLSG126



SECTION 5

EXPLODED VIEWS

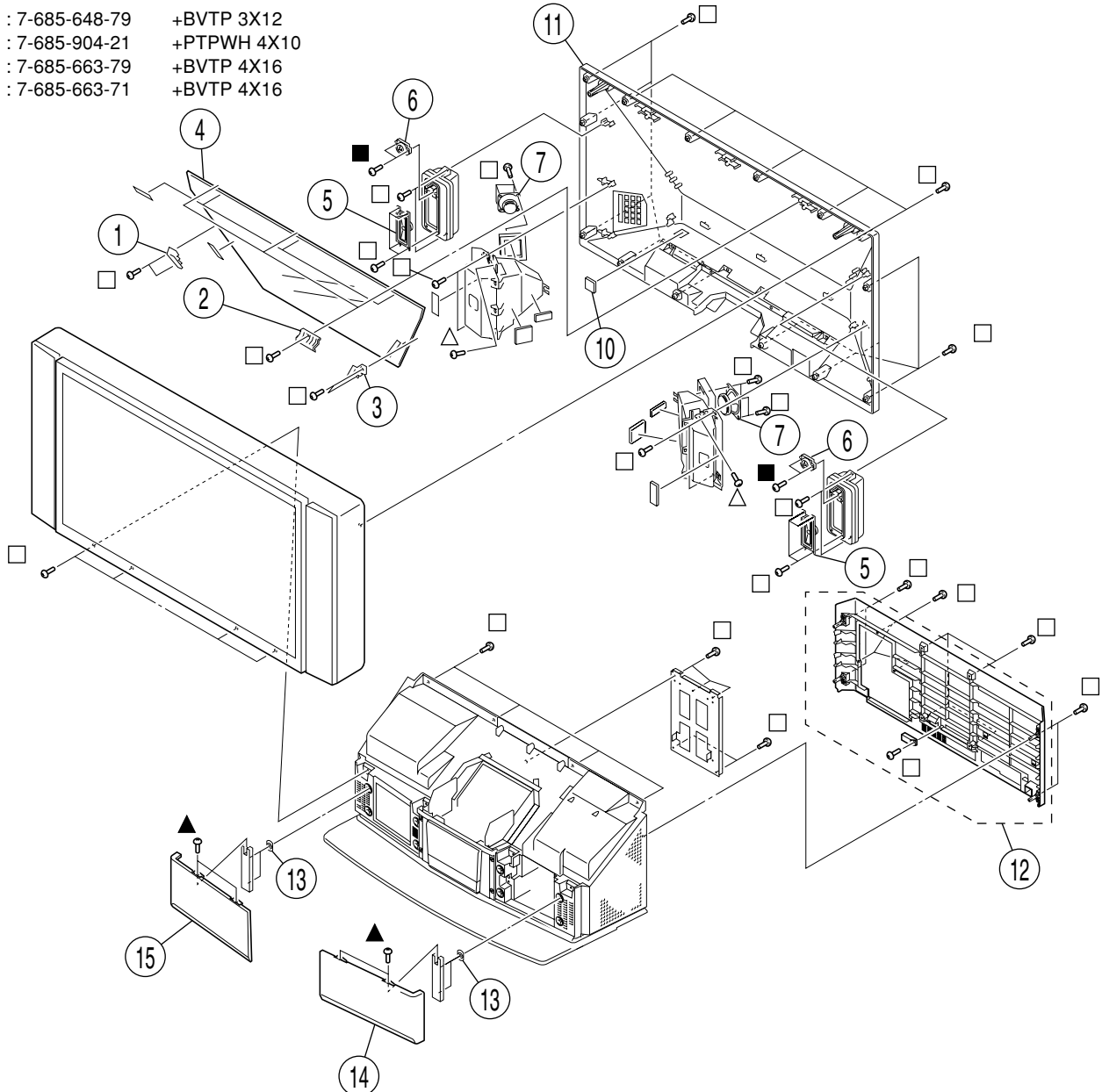
NOTE:

- 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 $\triangle$ are critical for safety. Replace only with part number specified.

5-1. MIRROR SECTION

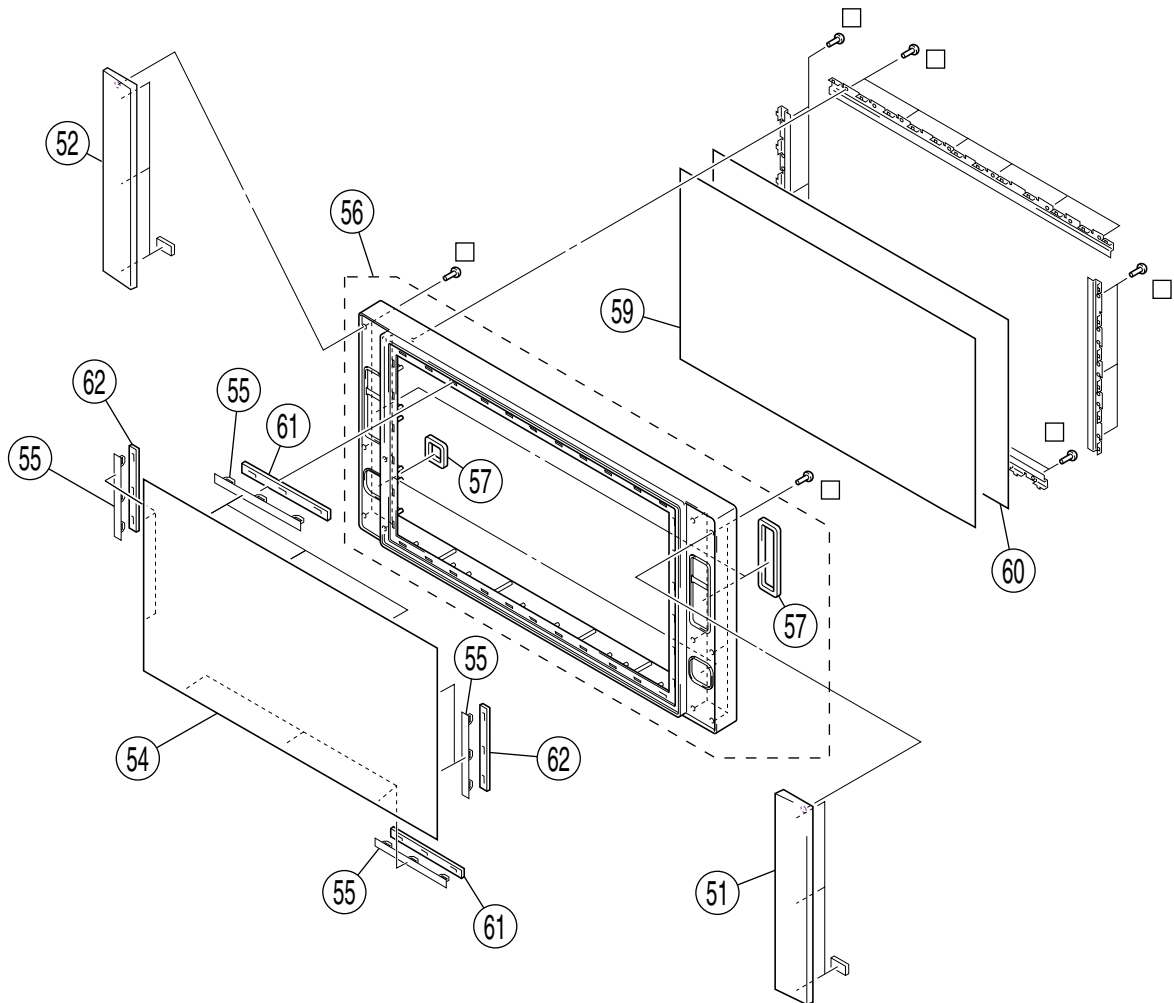
- : 7-685-648-79 +BVTP 3X12
 △ : 7-685-904-21 +PTPWH 4X10
 □ : 7-685-663-79 +BVTP 4X16
 ▲ : 7-685-663-71 +BVTP 4X16



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
1	*4-077-752-02	HOLDER (L), MIRROR		10	4-078-847-02	CUSHION (HARNESS), SHIELD	
2	*4-077-669-01	HOLDER (U), MIRROR		11	X-4034-861-3	COVER (42) ASSY, MIRROR	
3	*4-077-731-02	HOLDER (R), MIRROR		12	X-4039-862-1	COVER ASSY, REAR	
4	4-093-983-01	MIRROR (42)		13	4-838-452-00	STRIKE	
5	1-544-857-11	SPEAKER (13X7cm)		14	4-087-133-01	COVER R (PAINTED), FRONT	
6	1-544-856-11	SPEAKER (2cm)		15	4-087-132-01	COVER L (PAINTED), FRONT	
7	1-544-855-11	SPEAKER (10cm)					

5-2. SCREEN SECTION

□ : 7-685-663-79 +BVTP 4X16

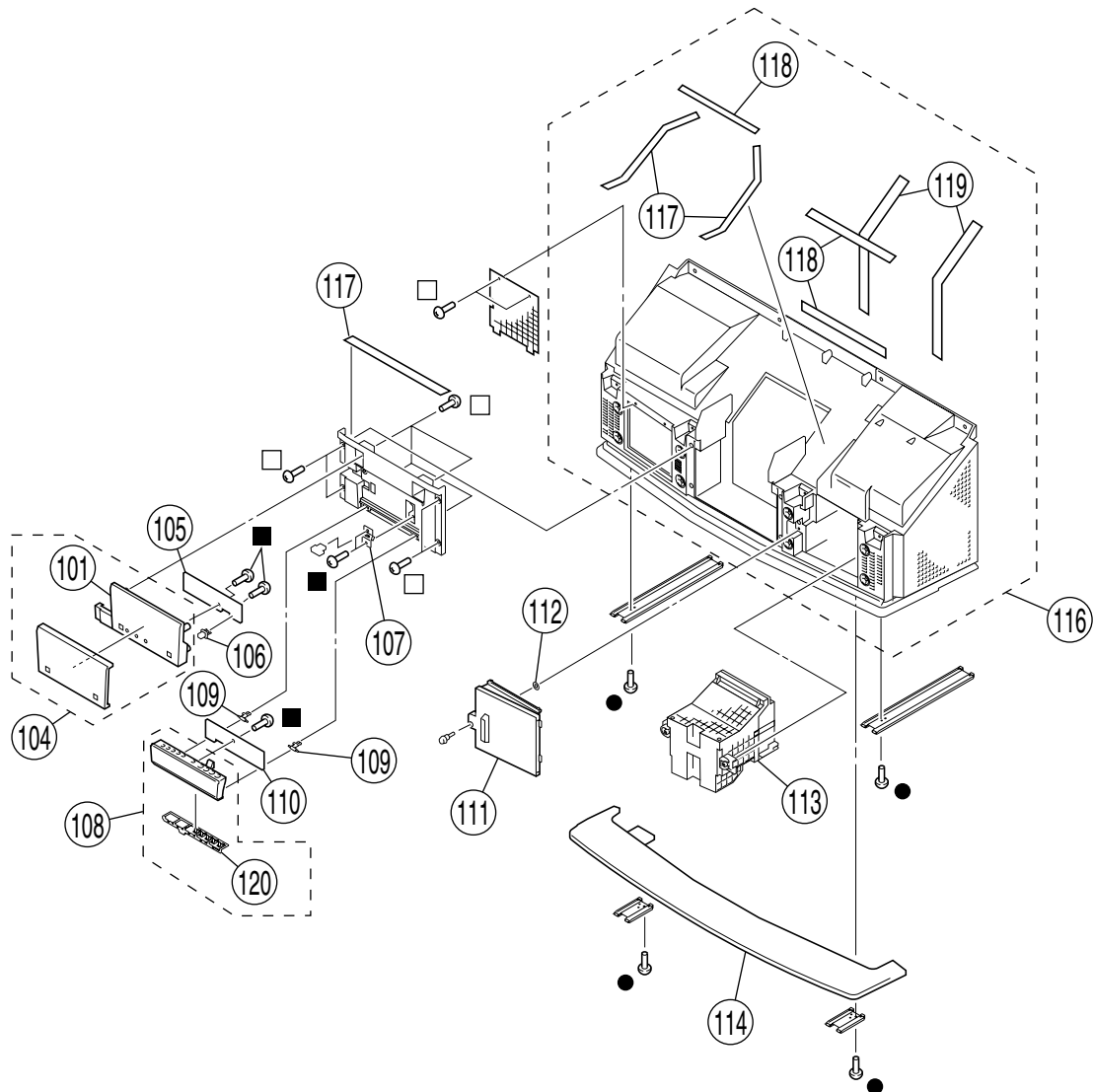


REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
51	X-4041-379-1	GRILLE (42R) ASSY, SP		57	4-078-837-02	CUSHION (B)	
52	X-4041-378-1	GRILLE (42L) ASSY, SP		59	4-087-394-01	PLATE (42L), DIFFUSION	
53		NOT USED		60	4-087-393-01	PLATE (42F), DIFFUSION	
54	4-087-395-01	SCREEN (42), CONTRAST		61	4-093-976-01	SHEET (L), SHIELD	
55	X-4038-008-1	HOLDER ASSY, DP		62	4-093-977-01	SHEET (S), SHIELD	
56	X-4041-337-1	FRAME (42) ASSY, SCREEN					

5-3. CABINET SECTION

- : 7-685-663-79 +BVTP 4X16
 ■ : 7-685-648-79 +BVTP 3X12
 ● : 7-685-661-71 +BVTP 4X12

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

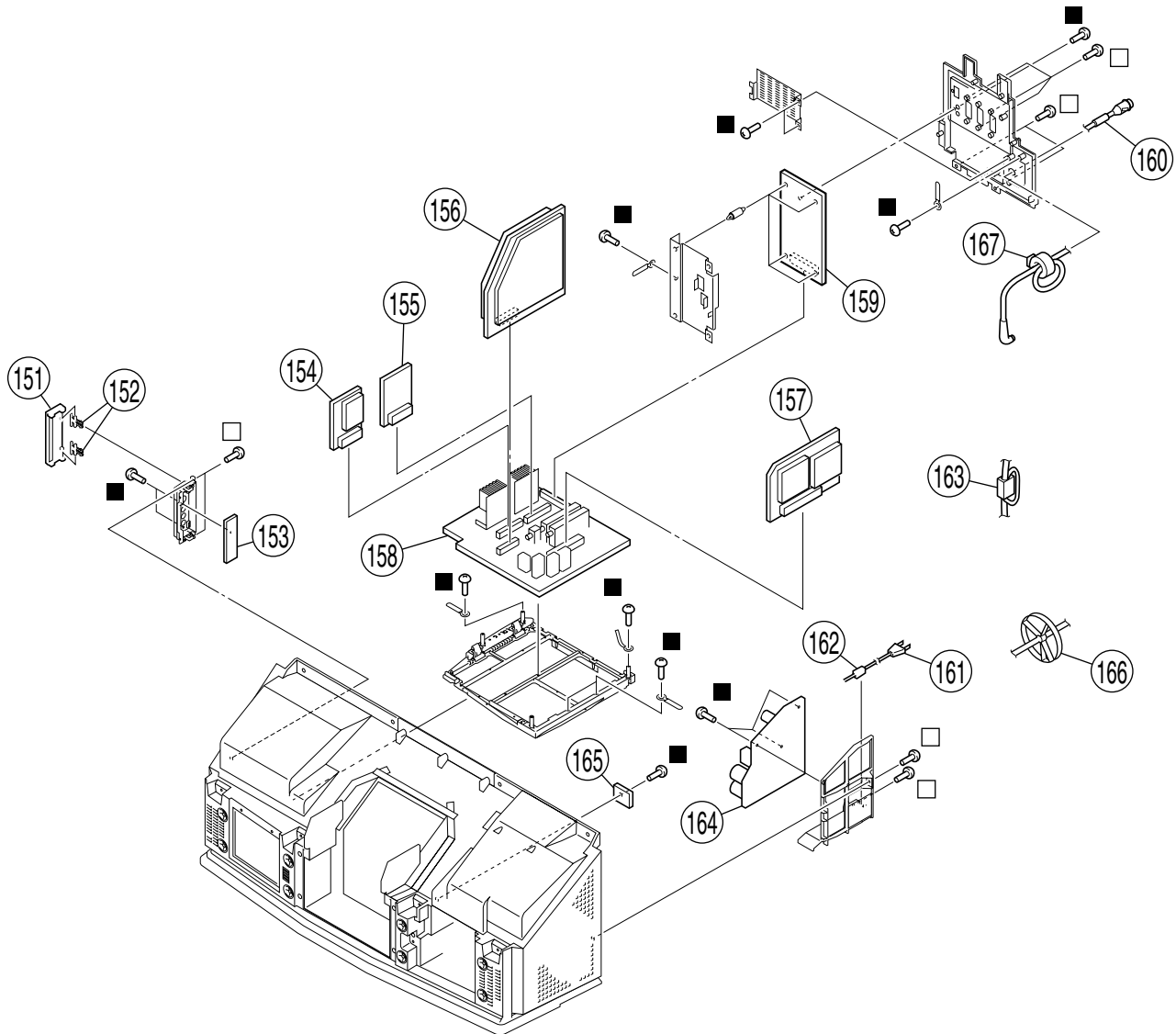


REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
101	X-4039-860-1	PANEL ASSY, SUB INDICATION		112	* 3-650-537-01	WASHER	
104	A-1601-863-A	PANEL ASSY, INDICATION	101	113	$\triangle$ A-1484-885-A	LAMP BLOCK ASSY	
105	* A-1400-346-A	H4 MOUNT		114	4-087-129-01	PEDESTAL (PAINTED)	
106	4-081-301-11	BUTTON (PAINTED), POWER		116	X-4039-855-1	CABINET (50) ASSY	117-119
107	4-047-464-01	CATCHER, PUSH		117	4-078-854-02	CUSHION (A)	
108	A-1601-862-A	PANEL ASSY, CONTROL	120	118	4-078-838-02	CUSHION (C)	
109	4-045-250-41	DAMPER		119	4-078-837-02	CUSHION (B)	
110	* A-1400-345-A	H2 MOUNT		120	4-077-741-12	BUTTON. CONTROL	
111	4-077-690-31	DOOR, LAMP					

5-4. CHASSIS SECTION

- : 7-685-648-79 +BVTP 3X12
 □ : 7-685-663-79 +BVTP 4X16

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

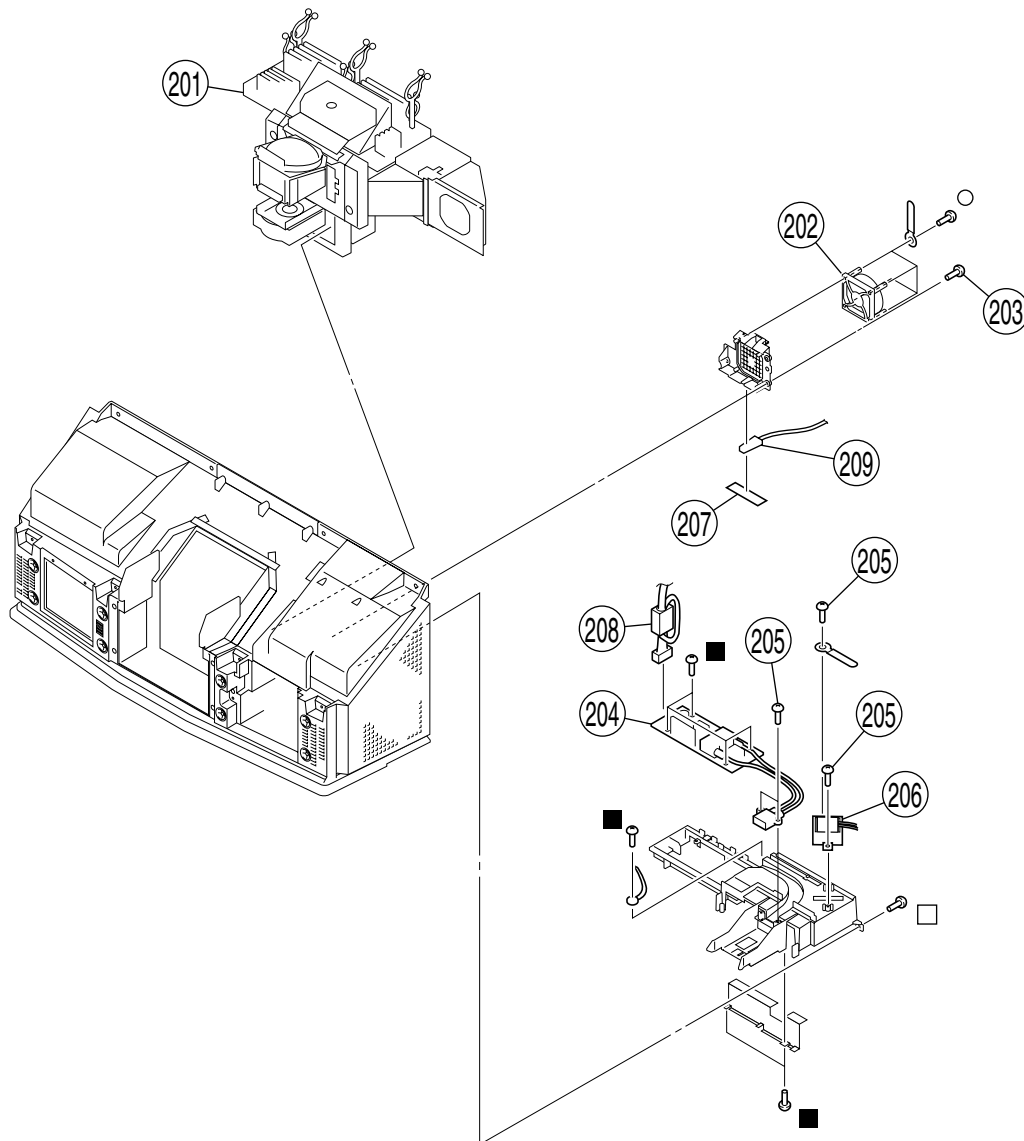


REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
151	4-077-732-32	LID, H15		160	1-790-082-12	CABLE, RF	
152	3-703-035-12	SHAFT, LID		161	$\triangle$ 1-765-286-11	CORD, POWER (50SX200/SX200K)	
153	* A-1372-879-A	H1 BOARD, COMPLETE		161	$\triangle$ 1-776-860-11	U.K. POWER-SUPPLY CORD + FILTER (50SX200U)	
154	* A-1300-221-A	S BOARD, COMPLETE					
155	* A-1300-223-A	N BOARD, COMPLETE		162	4-065-070-01	HOLDER, AC CORD	
156	* A-1300-218-A	BB BOARD, COMPLETE		163	1-543-982-11	CORE, FERRITE	
157	* A-1300-220-A	M BOARD, COMPLETE					
158	* A-1300-219-A	A BOARD, COMPLETE		164	* A-1316-525-A	G BOARD, COMPLETE	
159	* A-1300-222-A	J BOARD, COMPLETE		165	* A-1400-348-A	T BOARD, COMPLETE	
				166	* 4-034-856-01	HOLDER, HV CABLE	
				167	1-543-653-11	CORE ASSY, BEAD (DIVISION TYPE)	

5-5. OPTICAL UNIT SECTION

- : 7-685-648-79 +BVTP 3X12
 □ : 7-685-663-79 +BVTP 4X16
 ○ : 7-685-167-19 +P 4X35

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
201	$\triangle$ A-1601-866-A	OPTICS UNIT BLOCK ASSY		206	$\triangle$ 1-419-965-11	COIL, CHOKE 27.0mH	
202	$\triangle$ 1-698-696-21	FAN, DC		207	* 4-078-590-11	TAPE	
203	4-314-843-02	SCREW, TAPPING, +4X12		208	1-543-653-11	CORE ASSY, BEAD (DIVISION TYPE)	
204	$\triangle$ 1-468-510-14	POWER BLOCK		209	$\triangle$ 1-900-253-70	THERMOSTAT	
205	4-029-432-11	SCREW (3X12), (+) BVWHTP					

SECTION 6

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.

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

• All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

• RESISTORS
All resistors are in ohms
F : nonflammable

• CAPACITORS
PF : μF

• 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-1300-218-A BB BOARD, COMPLETE *****			C340	1-126-206-11	ELECT CHIP 100 μF	20% 6.3V
				C341	1-163-038-91	CERAMIC CHIP 0.1 μF	25V
				C342	1-163-038-91	CERAMIC CHIP 0.1 μF	25V
				C343	1-163-038-91	CERAMIC CHIP 0.1 μF	25V
	3-701-809-21	SCREW, TERMINAL (M3X6)		C344	1-163-038-91	CERAMIC CHIP 0.1 μF	25V
	< CAPACITOR >			C345	1-163-038-91	CERAMIC CHIP 0.1 μF	25V
C301	1-163-021-91	CERAMIC CHIP 0.01 μF	10% 50V	C346	1-163-038-91	CERAMIC CHIP 0.1 μF	25V
C302	1-163-038-91	CERAMIC CHIP 0.1 μF	25V	C347	1-163-038-91	CERAMIC CHIP 0.1 μF	25V
C303	1-126-204-11	ELECT CHIP 47 μF	20% 16V	C348	1-163-038-91	CERAMIC CHIP 0.1 μF	25V
C304	1-126-204-11	ELECT CHIP 47 μF	20% 16V	C349	1-163-038-91	CERAMIC CHIP 0.1 μF	25V
C305	1-163-038-91	CERAMIC CHIP 0.1 μF	25V	C350	1-126-204-11	ELECT CHIP 47 μF	20% 16V
C306	1-163-038-91	CERAMIC CHIP 0.1 μF	25V	C351	1-163-038-91	CERAMIC CHIP 0.1 μF	25V
C307	1-126-204-11	ELECT CHIP 47 μF	20% 16V	C352	1-163-038-91	CERAMIC CHIP 0.1 μF	25V
C308	1-163-038-91	CERAMIC CHIP 0.1 μF	25V	C353	1-163-038-91	CERAMIC CHIP 0.1 μF	25V
C310	1-124-779-00	ELECT CHIP 10 μF	20% 16V	C354	1-126-204-11	ELECT CHIP 47 μF	20% 16V
C312	1-126-206-11	ELECT CHIP 100 μF	20% 6.3V	C355	1-126-205-11	ELECT CHIP 47 μF	20% 6.3V
C313	1-163-038-91	CERAMIC CHIP 0.1 μF	25V	C356	1-126-603-11	ELECT CHIP 4.7 μF	20% 35V
C315	1-126-204-11	ELECT CHIP 47 μF	20% 16V	C357	1-163-038-91	CERAMIC CHIP 0.1 μF	25V
C316	1-163-038-91	CERAMIC CHIP 0.1 μF	25V	C358	1-163-038-91	CERAMIC CHIP 0.1 μF	25V
C317	1-163-038-91	CERAMIC CHIP 0.1 μF	25V	C359	1-163-021-91	CERAMIC CHIP 0.01 μF	10% 50V
C318	1-163-038-91	CERAMIC CHIP 0.1 μF	25V	C360	1-126-204-11	ELECT CHIP 47 μF	20% 16V
C319	1-163-038-91	CERAMIC CHIP 0.1 μF	25V	C361	1-164-004-11	CERAMIC CHIP 0.1 μF	10% 25V
C320	1-163-038-91	CERAMIC CHIP 0.1 μF	25V	C362	1-163-038-91	CERAMIC CHIP 0.1 μF	25V
C321	1-163-038-91	CERAMIC CHIP 0.1 μF	25V	C363	1-163-038-91	CERAMIC CHIP 0.1 μF	25V
C322	1-126-204-11	ELECT CHIP 47 μF	20% 16V	C364	1-126-205-11	ELECT CHIP 47 μF	20% 6.3V
C323	1-163-038-91	CERAMIC CHIP 0.1 μF	25V	C365	1-164-004-11	CERAMIC CHIP 0.1 μF	10% 25V
C324	1-163-038-91	CERAMIC CHIP 0.1 μF	25V	C366	1-164-004-11	CERAMIC CHIP 0.1 μF	10% 25V
C325	1-163-038-91	CERAMIC CHIP 0.1 μF	25V	C367	1-163-038-91	CERAMIC CHIP 0.1 μF	25V
C326	1-163-038-91	CERAMIC CHIP 0.1 μF	25V	C368	1-163-038-91	CERAMIC CHIP 0.1 μF	25V
C327	1-163-038-91	CERAMIC CHIP 0.1 μF	25V	C369	1-126-204-11	ELECT CHIP 47 μF	20% 16V
C328	1-163-038-91	CERAMIC CHIP 0.1 μF	25V	C370	1-163-038-91	CERAMIC CHIP 0.1 μF	25V
C329	1-163-038-91	CERAMIC CHIP 0.1 μF	25V	C371	1-163-038-91	CERAMIC CHIP 0.1 μF	25V
C330	1-163-038-91	CERAMIC CHIP 0.1 μF	25V	C372	1-163-038-91	CERAMIC CHIP 0.1 μF	25V
C331	1-163-038-91	CERAMIC CHIP 0.1 μF	25V	C373	1-126-204-11	ELECT CHIP 47 μF	20% 16V
C332	1-163-038-91	CERAMIC CHIP 0.1 μF	25V	C376	1-104-601-11	ELECT CHIP 10 μF	20% 10V
C333	1-163-038-91	CERAMIC CHIP 0.1 μF	25V	C378	1-104-601-11	ELECT CHIP 10 μF	20% 10V
C334	1-163-038-91	CERAMIC CHIP 0.1 μF	25V	C379	1-104-601-11	ELECT CHIP 10 μF	20% 10V
C335	1-163-038-91	CERAMIC CHIP 0.1 μF	25V	C380	1-163-038-91	CERAMIC CHIP 0.1 μF	25V
C336	1-163-038-91	CERAMIC CHIP 0.1 μF	25V	C381	1-124-779-00	ELECT CHIP 10 μF	20% 16V
C337	1-163-038-91	CERAMIC CHIP 0.1 μF	25V	C382	1-163-249-11	CERAMIC CHIP 82pF	5% 50V
C338	1-163-038-91	CERAMIC CHIP 0.1 μF	25V	C385	1-163-038-91	CERAMIC CHIP 0.1 μF	25V
C339	1-163-038-91	CERAMIC CHIP 0.1 μF	25V	C401	1-163-021-91	CERAMIC CHIP 0.01 μF	10% 50V
				C402	1-163-021-91	CERAMIC CHIP 0.01 μF	10% 50V



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C403	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C582	1-163-038-91	CERAMIC CHIP 0.1μF	25V
C404	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C583	1-124-779-00	ELECT CHIP 10μF	20% 16V
C405	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C584	1-163-038-91	CERAMIC CHIP 0.1μF	25V
C406	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C585	1-163-038-91	CERAMIC CHIP 0.1μF	25V
C407	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C588	1-163-038-91	CERAMIC CHIP 0.1μF	25V
C408	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C589	1-163-038-91	CERAMIC CHIP 0.1μF	25V
C409	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C590	1-163-038-91	CERAMIC CHIP 0.1μF	25V
C410	1-126-204-11	ELECT CHIP 47μF	20% 16V	C591	1-163-038-91	CERAMIC CHIP 0.1μF	25V
C411	1-126-204-11	ELECT CHIP 47μF	20% 16V	C592	1-163-038-91	CERAMIC CHIP 0.1μF	25V
C412	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C598	1-163-038-91	CERAMIC CHIP 0.1μF	25V
C413	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C601	1-163-038-91	CERAMIC CHIP 0.1μF	25V
C414	1-124-779-00	ELECT CHIP 10μF	20% 16V	C602	1-163-038-91	CERAMIC CHIP 0.1μF	25V
C415	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C603	1-163-038-91	CERAMIC CHIP 0.1μF	25V
C416	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C604	1-163-038-91	CERAMIC CHIP 0.1μF	25V
C417	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C605	1-163-038-91	CERAMIC CHIP 0.1μF	25V
C503	1-163-038-91	CERAMIC CHIP 0.1μF	25V	C606	1-126-206-11	ELECT CHIP 100μF	20% 6.3V
C504	1-163-038-91	CERAMIC CHIP 0.1μF	25V	C607	1-163-038-91	CERAMIC CHIP 0.1μF	25V
C509	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C608	1-163-229-11	CERAMIC CHIP 12pF	5% 50V
C510	1-163-038-91	CERAMIC CHIP 0.1μF	25V	C609	1-163-229-11	CERAMIC CHIP 12pF	5% 50V
C512	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C611	1-163-017-00	CERAMIC CHIP 0.0047μF	10% 50V
C513	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C614	1-163-038-91	CERAMIC CHIP 0.1μF	25V
C514	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C615	1-163-038-91	CERAMIC CHIP 0.1μF	25V
C515	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C617	1-163-038-91	CERAMIC CHIP 0.1μF	25V
C516	1-163-038-91	CERAMIC CHIP 0.1μF	25V	C618	1-163-038-91	CERAMIC CHIP 0.1μF	25V
C518	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C619	1-124-779-00	ELECT CHIP 10μF	20% 16V
C519	1-126-603-11	ELECT CHIP 4.7μF	20% 35V	C620	1-126-204-11	ELECT CHIP 47μF	20% 16V
C520	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C621	1-126-204-11	ELECT CHIP 47μF	20% 16V
C521	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C622	1-124-779-00	ELECT CHIP 10μF	20% 16V
C523	1-164-346-11	CERAMIC CHIP 1μF	16V	C624	1-124-779-00	ELECT CHIP 10μF	20% 16V
C527	1-124-779-00	ELECT CHIP 10μF	20% 16V	C625	1-163-038-91	CERAMIC CHIP 0.1μF	25V
C534	1-164-346-11	CERAMIC CHIP 1μF	16V	C626	1-124-779-00	ELECT CHIP 10μF	20% 16V
C540	1-163-038-91	CERAMIC CHIP 0.1μF	25V	C627	1-126-206-11	ELECT CHIP 100μF	20% 6.3V
C545	1-163-038-91	CERAMIC CHIP 0.1μF	25V	C628	1-163-038-91	CERAMIC CHIP 0.1μF	25V
C546	1-126-204-11	ELECT CHIP 47μF	20% 16V	C629	1-163-038-91	CERAMIC CHIP 0.1μF	25V
C548	1-163-038-91	CERAMIC CHIP 0.1μF	25V	C630	1-163-038-91	CERAMIC CHIP 0.1μF	25V
C549	1-163-038-91	CERAMIC CHIP 0.1μF	25V	C631	1-163-038-91	CERAMIC CHIP 0.1μF	25V
C550	1-163-038-91	CERAMIC CHIP 0.1μF	25V	C632	1-163-038-91	CERAMIC CHIP 0.1μF	25V
C551	1-163-038-91	CERAMIC CHIP 0.1μF	25V	C633	1-163-038-91	CERAMIC CHIP 0.1μF	25V
C554	1-164-346-11	CERAMIC CHIP 1μF	16V	C638	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V
C557	1-163-038-91	CERAMIC CHIP 0.1μF	25V	C639	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V
C559	1-163-038-91	CERAMIC CHIP 0.1μF	25V	C641	1-124-779-00	ELECT CHIP 10μF	20% 16V
C561	1-126-204-11	ELECT CHIP 47μF	20% 16V	C642	1-124-779-00	ELECT CHIP 10μF	20% 16V
C563	1-164-182-11	CERAMIC CHIP 0.0033μF	10% 50V	C643	1-164-346-11	CERAMIC CHIP 1μF	16V
C565	1-164-346-11	CERAMIC CHIP 1μF	16V	C644	1-164-346-11	CERAMIC CHIP 1μF	16V
C566	1-104-601-11	ELECT CHIP 10μF	20% 10V	C645	1-164-346-11	CERAMIC CHIP 1μF	16V
C567	1-104-601-11	ELECT CHIP 10μF	20% 10V	C655	1-164-346-11	CERAMIC CHIP 1μF	16V
C568	1-104-601-11	ELECT CHIP 10μF	20% 10V	C656	1-164-346-11	CERAMIC CHIP 1μF	16V
C570	1-163-038-91	CERAMIC CHIP 0.1μF	25V	C661	1-163-275-11	CERAMIC CHIP 0.001μF	5% 50V
C571	1-124-779-00	ELECT CHIP 10μF	20% 16V	C662	1-163-235-11	CERAMIC CHIP 22pF	5% 50V
C572	1-126-206-11	ELECT CHIP 100μF	20% 6.3V	C663	1-163-243-11	CERAMIC CHIP 47pF	5% 50V
C574	1-163-038-91	CERAMIC CHIP 0.1μF	25V	C664	1-163-243-11	CERAMIC CHIP 47pF	5% 50V
C575	1-163-038-91	CERAMIC CHIP 0.1μF	25V	C665	1-163-243-11	CERAMIC CHIP 47pF	5% 50V
C578	1-163-038-91	CERAMIC CHIP 0.1μF	25V	C701	1-126-204-11	ELECT CHIP 47μF	20% 16V
C579	1-163-038-91	CERAMIC CHIP 0.1μF	25V	C702	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V
C580	1-163-038-91	CERAMIC CHIP 0.1μF	25V	C703	1-126-204-11	ELECT CHIP 47μF	20% 16V
C581	1-126-206-11	ELECT CHIP 100μF	20% 6.3V				



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C707	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C774	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
C708	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	C775	1-163-038-91	CERAMIC CHIP 0.1μF	25V
C709	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	C778	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V
C710	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	C779	1-164-346-11	CERAMIC CHIP 1μF	16V
C711	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V				
C712	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	C781	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V
C713	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	C782	1-126-204-11	ELECT CHIP 47μF	20% 16V
C714	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C783	1-163-038-91	CERAMIC CHIP 0.1μF	25V
C717	1-163-243-11	CERAMIC CHIP 47pF	5% 50V	C784	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V
C718	1-163-245-11	CERAMIC CHIP 56pF	5% 50V	C785	1-124-779-00	ELECT CHIP 10μF	20% 16V
C719	1-107-823-11	CERAMIC CHIP 0.47μF	10% 16V	C786	1-163-038-91	CERAMIC CHIP 0.1μF	25V
C720	1-107-823-11	CERAMIC CHIP 0.47μF	10% 16V	C791	1-164-346-11	CERAMIC CHIP 1μF	16V
C722	1-107-823-11	CERAMIC CHIP 0.47μF	10% 16V	C793	1-127-515-11	ELECT 47μF	20% 10V
C725	1-107-823-11	CERAMIC CHIP 0.47μF	10% 16V	C797	1-164-346-11	CERAMIC CHIP 1μF	16V
C726	1-107-823-11	CERAMIC CHIP 0.47μF	10% 16V	C798	1-127-515-11	ELECT 47μF	20% 10V
C728	1-107-823-11	CERAMIC CHIP 0.47μF	10% 16V	C799	1-164-346-11	CERAMIC CHIP 1μF	16V
C729	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C801	1-127-515-11	ELECT 47μF	20% 10V
C731	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C806	1-127-515-11	ELECT 47μF	20% 10V
C734	1-107-823-11	CERAMIC CHIP 0.47μF	10% 16V	C807	1-127-515-11	ELECT 47μF	20% 10V
C735	1-107-823-11	CERAMIC CHIP 0.47μF	10% 16V	C808	1-164-346-11	CERAMIC CHIP 1μF	16V
C736	1-124-779-00	ELECT CHIP 10μF	20% 16V	C809	1-164-346-11	CERAMIC CHIP 1μF	16V
C737	1-107-823-11	CERAMIC CHIP 0.47μF	10% 16V	C810	1-126-935-11	ELECT 470μF	20% 16V
C739	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C812	1-126-935-11	ELECT 470μF	20% 16V
C740	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C814	1-164-346-11	CERAMIC CHIP 1μF	16V
C741	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C815	1-164-346-11	CERAMIC CHIP 1μF	16V
C742	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C830	1-164-346-11	CERAMIC CHIP 1μF	16V
C743	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C831	1-164-346-11	CERAMIC CHIP 1μF	16V
C744	1-107-823-11	CERAMIC CHIP 0.47μF	10% 16V	C832	1-164-346-11	CERAMIC CHIP 1μF	16V
C745	1-107-823-11	CERAMIC CHIP 0.47μF	10% 16V	C833	1-164-346-11	CERAMIC CHIP 1μF	16V
C746	1-126-204-11	ELECT CHIP 47μF	20% 16V	C834	1-164-346-11	CERAMIC CHIP 1μF	16V
C747	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C835	1-127-515-11	ELECT 47μF	20% 10V
C748	1-107-823-11	CERAMIC CHIP 0.47μF	10% 16V	C836	1-164-346-11	CERAMIC CHIP 1μF	16V
C749	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C837	1-127-515-11	ELECT 47μF	20% 10V
C750	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C838	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V
C751	1-124-779-00	ELECT CHIP 10μF	20% 16V	C839	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V
C752	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C840	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V
C753	1-107-823-11	CERAMIC CHIP 0.47μF	10% 16V	C844	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V
C754	1-107-823-11	CERAMIC CHIP 0.47μF	10% 16V	C845	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V
C755	1-163-017-00	CERAMIC CHIP 0.0047μF	10% 50V	C846	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V
C756	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	C847	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V
C757	1-107-823-11	CERAMIC CHIP 0.47μF	10% 16V	C848	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V
C758	1-107-823-11	CERAMIC CHIP 0.47μF	10% 16V	C849	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V
C759	1-107-823-11	CERAMIC CHIP 0.47μF	10% 16V				
C760	1-107-823-11	CERAMIC CHIP 0.47μF	10% 16V				
C761	1-107-823-11	CERAMIC CHIP 0.47μF	10% 16V				
C762	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	CN701	1-783-966-11	CONNECTOR, BOARD TO BOARD 30P	
C763	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	CN702	* 1-764-643-21	PIN, CONNECTOR (SMD) 11P	
C764	1-163-135-00	CERAMIC CHIP 560pF	5% 50V	CN703	1-783-966-11	CONNECTOR, BOARD TO BOARD 30P	
C765	1-163-017-00	CERAMIC CHIP 0.0047μF	10% 50V				
C766	1-163-135-00	CERAMIC CHIP 560pF	5% 50V				
C768	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	D301	8-719-083-58	DIODE UDZSTE-173.9B	
C769	1-164-346-11	CERAMIC CHIP 1μF	16V	D501	8-719-914-43	DIODE DAN202K	
C770	1-126-204-11	ELECT CHIP 47μF	20% 16V	D502	8-719-914-44	DIODE DAP202K	
C771	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	D701	8-719-404-50	DIODE MA111-TX	
C772	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	D702	8-719-404-50	DIODE MA111-TX	
C773	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	D703	8-719-404-50	DIODE MA111-TX	



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
D704	8-719-404-50	DIODE MA111-TX		L305	1-414-754-11	INDUCTOR 10μH	
D705	8-719-404-50	DIODE MA111-TX		L306	1-410-663-31	INDUCTOR 10μH	
D707	8-719-404-50	DIODE MA111-TX		L307	1-414-754-11	INDUCTOR 10μH	
		< FERRITE BEAD >		L308	1-414-757-11	INDUCTOR 100μH	
FB401	1-414-233-22	FERRITE 0μH		L309	1-414-754-11	INDUCTOR 10μH	
FB402	1-414-233-22	FERRITE 0μH		L310	1-414-757-11	INDUCTOR 100μH	
		< FILTER >		L311	1-414-754-11	INDUCTOR 10μH	
FL401	1-239-558-11	FILTER, CHIP EMI		L312	1-414-754-11	INDUCTOR 10μH	
FL402	1-234-177-21	FILTER, CHIP EMI		L313	1-216-295-91	SHORT 0	
FL501	1-234-335-11	FILTER, LOW PASS		L401	1-414-754-11	INDUCTOR 10μH	
FL502	1-239-558-11	FILTER, CHIP EMI		L402	1-414-754-11	INDUCTOR 10μH	
FL701	1-233-736-21	FILTER, EMI		L502	1-412-029-11	INDUCTOR 10μH	
FL702	1-233-736-21	FILTER, EMI		L503	1-412-029-11	INDUCTOR 10μH	
FL703	1-233-736-21	FILTER, EMI		L507	1-414-754-11	INDUCTOR 10μH	
FL704	1-233-736-21	FILTER, EMI		L508	1-410-663-31	INDUCTOR 10μH	
FL705	1-233-736-21	FILTER, EMI		L509	1-410-663-31	INDUCTOR 10μH	
FL706	1-233-736-21	FILTER, EMI		L512	1-414-754-11	INDUCTOR 10μH	
FL707	1-233-736-21	FILTER, EMI		L513	1-414-754-11	INDUCTOR 10μH	
FL711	1-234-586-21	FILTER, LOW PASS		L514	1-414-754-11	INDUCTOR 10μH	
FL712	1-234-586-21	FILTER, LOW PASS		L516	1-410-663-31	INDUCTOR 10μH	
FL713	1-234-586-21	FILTER, LOW PASS		L517	1-410-663-31	INDUCTOR 10μH	
		< IC >		L519	1-410-995-42	INDUCTOR 1.5μH	
IC301	8-759-669-78	IC TLC2933IPWR-12		L701	1-414-755-11	INDUCTOR 22μH	
IC302	8-759-712-65	IC PQ070XZ01ZP		L702	1-414-755-11	INDUCTOR 22μH	
IC303	8-759-573-19	IC MSM56V16160D-10TS-K		L705	1-414-754-11	INDUCTOR 10μH	
IC304	8-752-409-78	IC CXD2095AQ		L706	1-410-192-51	INDUCTOR 1μH	
IC305	8-759-447-90	IC TLC5733AIPM		L708	1-410-192-51	INDUCTOR 1μH	
IC306	8-759-669-75	IC TLC2932IPWR		L709	1-414-755-11	INDUCTOR 22μH	
IC401	6-700-797-01	IC CXD9666Q		L710	1-414-755-11	INDUCTOR 22μH	
IC503	8-759-525-10	IC TC7SET08F(TE85L)		L714	1-408-603-31	INDUCTOR 10μH	
IC505	8-759-669-75	IC TLC2932IPWR		L715	1-410-671-31	INDUCTOR 47μH	
IC506	8-759-460-29	IC PST9120NL		L716	1-414-755-11	INDUCTOR 22μH	
IC508	8-749-015-18	IC PQ07VZ012ZP				< TRANSISTOR >	
IC509	8-759-672-57	IC CXD9509AQ		Q301	8-729-216-22	TRANSISTOR 2SA1162-G	
IC511	8-749-015-18	IC PQ07VZ012ZP		Q302	8-729-422-33	TRANSISTOR 2SD601A-Q-TX	
IC512	8-759-677-37	IC MT48LC2M32B2TG-7		Q303	8-729-422-33	TRANSISTOR 2SD601A-Q-TX	
IC515	8-759-525-10	IC TC7SET08F(TE85L)		Q304	8-729-422-33	TRANSISTOR 2SD601A-Q-TX	
IC516	8-759-525-10	IC TC7SET08F(TE85L)		Q305	8-729-422-33	TRANSISTOR 2SD601A-Q-TX	
IC701	8-752-086-13	IC CXA2101AQ		Q306	8-729-422-33	TRANSISTOR 2SD601A-Q-TX	
IC703	8-759-009-51	IC MC14538BF		Q503	8-729-422-33	TRANSISTOR 2SD601A-Q-TX	
IC704	8-759-547-54	IC TC7SET00FU(TE85R)		Q504	8-729-216-22	TRANSISTOR 2SA1162-G	
IC705	8-759-485-79	IC TC7SET08FU(TE85L)		Q505	8-729-216-22	TRANSISTOR 2SA1162-G	
IC706	8-759-547-54	IC TC7SET00FU(TE85R)		Q506	8-729-216-22	TRANSISTOR 2SA1162-G	
IC707	8-759-272-74	IC 74VHC123ASJX		Q507	8-729-028-28	TRANSISTOR 2SK2036(TE85L)	
		< COIL >		Q508	8-729-422-33	TRANSISTOR 2SD601A-Q-TX	
L301	1-414-757-11	INDUCTOR 100μH		Q509	8-729-028-28	TRANSISTOR 2SK2036(TE85L)	
L302	1-414-757-11	INDUCTOR 100μH		Q510	8-729-422-33	TRANSISTOR 2SD601A-Q-TX	
L303	1-412-052-21	INDUCTOR 1μH		Q511	8-729-422-33	TRANSISTOR 2SD601A-Q-TX	
L304	1-414-754-11	INDUCTOR 10μH		Q512	8-729-162-45	TRANSISTOR 2SB624-BV5	
				Q513	8-729-159-65	TRANSISTOR 2SD596-DV5	
				Q514	8-729-162-45	TRANSISTOR 2SB624-BV5	
				Q515	8-729-159-65	TRANSISTOR 2SD596-DV5	
				Q517	8-729-216-22	TRANSISTOR 2SA1162-G	



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
Q518	8-729-216-22	TRANSISTOR 2SA1162-G		R343	1-216-311-00	RES-CHIP 6.8	5% 1/10W
Q519	8-729-216-22	TRANSISTOR 2SA1162-G		R344	1-216-646-11	METAL CHIP 620	0.5% 1/10W
Q521	8-729-422-33	TRANSISTOR 2SD601A-Q-TX		R345	1-216-635-11	METAL CHIP 220	0.5% 1/10W
Q522	8-729-422-33	TRANSISTOR 2SD601A-Q-TX		R346	1-216-035-00	RES-CHIP 270	5% 1/10W
Q523	8-729-422-33	TRANSISTOR 2SD601A-Q-TX					
Q524	8-729-900-53	TRANSISTOR DTC114EK		R347	1-208-794-11	METAL CHIP 3.3K	0.5% 1/10W
Q713	8-729-422-33	TRANSISTOR 2SD601A-Q-TX		R348	1-216-635-11	METAL CHIP 220	0.5% 1/10W
Q714	8-729-422-33	TRANSISTOR 2SD601A-Q-TX		R350	1-216-635-11	METAL CHIP 220	0.5% 1/10W
Q715	8-729-422-33	TRANSISTOR 2SD601A-Q-TX		R351	1-216-295-91	SHORT 0	
Q716	8-729-216-22	TRANSISTOR 2SA1162-G		R352	1-216-295-91	SHORT 0	
Q717	8-729-216-22	TRANSISTOR 2SA1162-G		R353	1-216-045-00	RES-CHIP 680	5% 1/10W
Q718	8-729-422-33	TRANSISTOR 2SD601A-Q-TX		R354	1-216-057-00	RES-CHIP 2.2K	5% 1/10W
Q719	8-729-216-22	TRANSISTOR 2SA1162-G		R355	1-216-025-11	RES-CHIP 100	5% 1/10W
Q721	8-729-216-22	TRANSISTOR 2SA1162-G		R356	1-216-752-11	METAL CHIP 56	0.5% 1/10W
Q722	8-729-216-22	TRANSISTOR 2SA1162-G		R357	1-216-752-11	METAL CHIP 56	0.5% 1/10W
Q723	8-729-216-22	TRANSISTOR 2SA1162-G		R358	1-216-025-11	RES-CHIP 100	5% 1/10W
Q724	8-729-422-33	TRANSISTOR 2SD601A-Q-TX		R359	1-208-754-11	METAL CHIP 68	0.5% 1/10W
Q725	8-729-216-22	TRANSISTOR 2SA1162-G		R360	1-216-025-11	RES-CHIP 100	5% 1/10W
Q727	8-729-422-33	TRANSISTOR 2SD601A-Q-TX		R361	1-216-047-91	RES-CHIP 820	5% 1/10W
Q728	8-729-422-33	TRANSISTOR 2SD601A-Q-TX		R362	1-208-754-11	METAL CHIP 68	0.5% 1/10W
Q730	8-729-422-33	TRANSISTOR 2SD601A-Q-TX		R363	1-216-025-11	RES-CHIP 100	5% 1/10W
Q731	8-729-422-33	TRANSISTOR 2SD601A-Q-TX		R364	1-216-045-00	RES-CHIP 680	5% 1/10W
Q732	8-729-422-33	TRANSISTOR 2SD601A-Q-TX		R365	1-216-057-00	RES-CHIP 2.2K	5% 1/10W
Q733	8-729-216-22	TRANSISTOR 2SA1162-G		R366	1-216-049-11	RES-CHIP 1K	5% 1/10W
Q734	8-729-216-22	TRANSISTOR 2SA1162-G		R367	1-216-752-11	METAL CHIP 56	0.5% 1/10W
Q735	8-729-216-22	TRANSISTOR 2SA1162-G		R368	1-216-117-00	RES-CHIP 680K	5% 1/10W
Q6701	1-801-806-11	TRANSISTOR DTC144EKA		R369	1-216-295-91	SHORT 0	
< RESISTOR >				R370	1-208-799-11	METAL CHIP 5.1K	0.5% 1/10W
R301	1-216-113-00	RES-CHIP 470K	5% 1/10W	R371	1-216-752-11	METAL CHIP 56	0.5% 1/10W
R302	1-216-081-00	RES-CHIP 22K	5% 1/10W	R372	1-216-117-00	RES-CHIP 680K	5% 1/10W
R303	1-216-025-11	RES-CHIP 100	5% 1/10W	R374	1-216-295-91	SHORT 0	
R304	1-216-025-11	RES-CHIP 100	5% 1/10W	R375	1-216-077-91	RES-CHIP 15K	5% 1/10W
R305	1-216-033-00	RES-CHIP 220	5% 1/10W	R376	1-216-089-91	RES-CHIP 47K	5% 1/10W
R306	1-216-049-11	RES-CHIP 1K	5% 1/10W	R377	1-216-077-91	RES-CHIP 15K	5% 1/10W
R307	1-216-033-00	RES-CHIP 220	5% 1/10W	R378	1-216-077-91	RES-CHIP 15K	5% 1/10W
R308	1-216-037-00	RES-CHIP 330	5% 1/10W	R379	1-216-037-00	RES-CHIP 330	5% 1/10W
R309	1-216-061-91	RES-CHIP 3.3K	5% 1/10W	R380	1-216-752-11	METAL CHIP 56	0.5% 1/10W
R310	1-216-062-00	RES-CHIP 3.6K	5% 1/10W	R381	1-216-037-00	RES-CHIP 330	5% 1/10W
R311	1-208-784-11	METAL CHIP 1.2K	0.5% 1/10W	R382	1-216-295-91	SHORT 0	
R312	1-216-647-11	METAL CHIP 680	0.5% 1/10W	R383	1-216-295-91	SHORT 0	
R313	1-216-113-00	RES-CHIP 470K	5% 1/10W	R384	1-216-752-11	METAL CHIP 56	0.5% 1/10W
R314	1-208-782-11	METAL CHIP 1K	0.5% 1/10W	R385	1-208-755-11	METAL CHIP 75	0.5% 1/10W
R315	1-216-073-91	RES-CHIP 10K	5% 1/10W	R386	1-208-755-11	METAL CHIP 75	0.5% 1/10W
R319	1-216-295-91	SHORT 0		R387	1-216-752-11	METAL CHIP 56	0.5% 1/10W
R323	1-216-295-91	SHORT 0		R388	1-216-752-11	METAL CHIP 56	0.5% 1/10W
R325	1-216-295-91	SHORT 0		R389	1-216-009-91	RES-CHIP 22	5% 1/10W
R328	1-216-295-91	SHORT 0		R390	1-216-295-91	SHORT 0	
R329	1-216-295-91	SHORT 0		R391	1-216-295-91	SHORT 0	
R333	1-216-295-91	SHORT 0		R392	1-216-037-00	RES-CHIP 330	5% 1/10W
R337	1-216-295-91	SHORT 0		R394	1-216-295-91	SHORT 0	
R339	1-216-295-91	SHORT 0		R395	1-216-295-91	SHORT 0	
R340	1-216-295-91	SHORT 0		R396	1-216-295-91	SHORT 0	
R341	1-216-295-91	SHORT 0		R397	1-216-017-91	RES-CHIP 47	5% 1/10W
R342	1-216-295-91	SHORT 0		R398	1-216-017-91	RES-CHIP 47	5% 1/10W
				R400	1-216-073-91	RES-CHIP 10K	5% 1/10W
				R401	1-216-005-00	RES-CHIP 15	5% 1/10W
				R403	1-216-295-91	SHORT 0	



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R405	1-216-295-91	SHORT	0	R578	1-208-806-11	METAL CHIP	10K 0.5% 1/10W
R406	1-216-295-91	SHORT	0	R579	1-208-782-11	METAL CHIP	1K 0.5% 1/10W
R407	1-216-009-91	RES-CHIP	22 5% 1/10W	R580	1-216-061-91	RES-CHIP	3.3K 5% 1/10W
R408	1-216-009-91	RES-CHIP	22 5% 1/10W	R581	1-216-073-91	RES-CHIP	10K 5% 1/10W
R409	1-216-295-91	SHORT	0	R582	1-216-073-91	RES-CHIP	10K 5% 1/10W
R410	1-208-792-11	METAL CHIP	2.7K 0.5% 1/10W	R584	1-216-061-91	RES-CHIP	3.3K 5% 1/10W
R411	1-216-635-11	METAL CHIP	220 0.5% 1/10W	R585	1-216-295-91	SHORT	0
R412	1-216-025-11	RES-CHIP	100 5% 1/10W	R586	1-216-061-91	RES-CHIP	3.3K 5% 1/10W
R413	1-208-792-11	METAL CHIP	2.7K 0.5% 1/10W	R590	1-216-295-91	SHORT	0
R415	1-216-025-11	RES-CHIP	100 5% 1/10W	R591	1-216-073-91	RES-CHIP	10K 5% 1/10W
R416	1-216-635-11	METAL CHIP	220 0.5% 1/10W	R592	1-216-073-91	RES-CHIP	10K 5% 1/10W
R417	1-216-073-91	RES-CHIP	10K 5% 1/10W	R594	1-216-009-91	RES-CHIP	22 5% 1/10W
R418	1-216-073-91	RES-CHIP	10K 5% 1/10W	R595	1-216-009-91	RES-CHIP	22 5% 1/10W
R419	1-208-782-11	METAL CHIP	1K 0.5% 1/10W	R596	1-216-049-11	RES-CHIP	1K 5% 1/10W
R420	1-208-790-11	METAL CHIP	2.2K 0.5% 1/10W	R597	1-216-049-11	RES-CHIP	1K 5% 1/10W
R421	1-216-635-11	METAL CHIP	220 0.5% 1/10W	R598	1-216-049-11	RES-CHIP	1K 5% 1/10W
R422	1-216-025-11	RES-CHIP	100 5% 1/10W	R599	1-216-009-91	RES-CHIP	22 5% 1/10W
R428	1-216-025-11	RES-CHIP	100 5% 1/10W	R601	1-216-295-91	SHORT	0
R429	1-216-025-11	RES-CHIP	100 5% 1/10W	R606	1-216-073-91	RES-CHIP	10K 5% 1/10W
R430	1-216-025-11	RES-CHIP	100 5% 1/10W	R607	1-216-073-91	RES-CHIP	10K 5% 1/10W
R431	1-216-025-11	RES-CHIP	100 5% 1/10W	R608	1-216-073-91	RES-CHIP	10K 5% 1/10W
R432	1-216-025-11	RES-CHIP	100 5% 1/10W	R609	1-216-073-91	RES-CHIP	10K 5% 1/10W
R433	1-216-295-91	SHORT	0	R610	1-216-073-91	RES-CHIP	10K 5% 1/10W
R435	1-216-025-11	RES-CHIP	100 5% 1/10W	R611	1-216-295-91	SHORT	0
R436	1-216-025-11	RES-CHIP	100 5% 1/10W	R612	1-216-295-91	SHORT	0
R437	1-216-025-11	RES-CHIP	100 5% 1/10W	R614	1-216-295-91	SHORT	0
R502	1-216-009-91	RES-CHIP	22 5% 1/10W	R615	1-216-035-00	RES-CHIP	270 5% 1/10W
R504	1-216-066-00	RES-CHIP	5.1K 5% 1/10W	R616	1-216-295-91	SHORT	0
R505	1-216-013-00	RES-CHIP	33 5% 1/10W	R617	1-216-295-91	SHORT	0
R510	1-216-037-00	RES-CHIP	330 5% 1/10W	R618	1-216-025-11	RES-CHIP	100 5% 1/10W
R514	1-216-295-91	SHORT	0	R619	1-216-025-11	RES-CHIP	100 5% 1/10W
R516	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R620	1-216-025-11	RES-CHIP	100 5% 1/10W
R519	1-216-295-91	SHORT	0	R621	1-216-295-91	SHORT	0
R524	1-216-049-11	RES-CHIP	1K 5% 1/10W	R623	1-216-045-00	RES-CHIP	680 5% 1/10W
R525	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R624	1-216-049-11	RES-CHIP	1K 5% 1/10W
R537	1-216-117-00	RES-CHIP	680K 5% 1/10W	R625	1-216-049-11	RES-CHIP	1K 5% 1/10W
R538	1-216-117-00	RES-CHIP	680K 5% 1/10W	R626	1-216-295-91	SHORT	0
R539	1-216-049-11	RES-CHIP	1K 5% 1/10W	R627	1-216-025-11	RES-CHIP	100 5% 1/10W
R540	1-216-047-91	RES-CHIP	820 5% 1/10W	R628	1-216-025-11	RES-CHIP	100 5% 1/10W
R541	1-216-295-91	SHORT	0	R629	1-216-295-91	SHORT	0
R542	1-216-009-91	RES-CHIP	22 5% 1/10W	R630	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R543	1-208-805-11	METAL CHIP	9.1K 0.5% 1/10W	R631	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R544	1-208-805-11	METAL CHIP	9.1K 0.5% 1/10W	R632	1-216-025-11	RES-CHIP	100 5% 1/10W
R545	1-216-295-91	SHORT	0	R633	1-208-784-11	METAL CHIP	1.2K 0.5% 1/10W
R546	1-216-295-91	SHORT	0	R634	1-208-764-11	METAL CHIP	180 0.5% 1/10W
R553	1-216-295-91	SHORT	0	R635	1-216-295-91	SHORT	0
R560	1-208-799-11	METAL CHIP	5.1K 0.5% 1/10W	R636	1-216-295-91	SHORT	0
R561	1-208-778-11	METAL CHIP	680 0.5% 1/10W	R637	1-208-802-11	METAL CHIP	6.8K 0.5% 1/10W
R565	1-216-295-91	SHORT	0	R638	1-208-782-11	METAL CHIP	1K 0.5% 1/10W
R566	1-216-295-91	SHORT	0	R639	1-216-025-11	RES-CHIP	100 5% 1/10W
R567	1-216-295-91	SHORT	0	R640	1-216-047-91	RES-CHIP	820 5% 1/10W
R568	1-216-295-91	SHORT	0	R641	1-216-025-11	RES-CHIP	100 5% 1/10W
R570	1-216-009-91	RES-CHIP	22 5% 1/10W	R642	1-216-047-91	RES-CHIP	820 5% 1/10W
R572	1-216-009-91	RES-CHIP	22 5% 1/10W	R643	1-216-009-91	RES-CHIP	22 5% 1/10W
R573	1-216-295-91	SHORT	0	R644	1-216-009-91	RES-CHIP	22 5% 1/10W
R576	1-208-784-11	METAL CHIP	1.2K 0.5% 1/10W	R645	1-216-009-91	RES-CHIP	22 5% 1/10W



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R646	1-216-009-91	RES-CHIP	22 5% 1/10W	R709	1-208-814-91	METAL CHIP	22K 0.5% 1/10W
R647	1-216-009-91	RES-CHIP	22 5% 1/10W	R716	1-216-025-11	RES-CHIP	100 5% 1/10W
R648	1-216-009-91	RES-CHIP	22 5% 1/10W	R717	1-216-017-91	RES-CHIP	47 5% 1/10W
R649	1-216-009-91	RES-CHIP	22 5% 1/10W	R721	1-216-025-11	RES-CHIP	100 5% 1/10W
R650	1-216-009-91	RES-CHIP	22 5% 1/10W	R722	1-216-017-91	RES-CHIP	47 5% 1/10W
R651	1-216-295-91	SHORT	0	R723	1-216-025-11	RES-CHIP	100 5% 1/10W
R652	1-216-009-91	RES-CHIP	22 5% 1/10W	R725	1-216-025-11	RES-CHIP	100 5% 1/10W
R653	1-216-009-91	RES-CHIP	22 5% 1/10W	R726	1-216-295-91	SHORT	0
R654	1-216-009-91	RES-CHIP	22 5% 1/10W	R731	1-216-017-91	RES-CHIP	47 5% 1/10W
R655	1-216-009-91	RES-CHIP	22 5% 1/10W	R733	1-216-017-91	RES-CHIP	47 5% 1/10W
R656	1-216-009-91	RES-CHIP	22 5% 1/10W	R735	1-216-017-91	RES-CHIP	47 5% 1/10W
R657	1-216-009-91	RES-CHIP	22 5% 1/10W	R740	1-216-017-91	RES-CHIP	47 5% 1/10W
R658	1-216-009-91	RES-CHIP	22 5% 1/10W	R747	1-216-017-91	RES-CHIP	47 5% 1/10W
R659	1-216-009-91	RES-CHIP	22 5% 1/10W	R749	1-216-017-91	RES-CHIP	47 5% 1/10W
R660	1-216-009-91	RES-CHIP	22 5% 1/10W	R751	1-216-025-11	RES-CHIP	100 5% 1/10W
R661	1-216-009-91	RES-CHIP	22 5% 1/10W	R752	1-216-017-91	RES-CHIP	47 5% 1/10W
R662	1-216-295-91	SHORT	0	R753	1-216-017-91	RES-CHIP	47 5% 1/10W
R663	1-216-009-91	RES-CHIP	22 5% 1/10W	R754	1-216-025-11	RES-CHIP	100 5% 1/10W
R664	1-216-009-91	RES-CHIP	22 5% 1/10W	R755	1-216-017-91	RES-CHIP	47 5% 1/10W
R665	1-216-009-91	RES-CHIP	22 5% 1/10W	R756	1-216-025-11	RES-CHIP	100 5% 1/10W
R666	1-216-009-91	RES-CHIP	22 5% 1/10W	R757	1-216-041-00	RES-CHIP	470 5% 1/10W
R667	1-216-009-91	RES-CHIP	22 5% 1/10W	R758	1-216-049-11	RES-CHIP	1K 5% 1/10W
R668	1-216-009-91	RES-CHIP	22 5% 1/10W	R759	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R669	1-216-009-91	RES-CHIP	22 5% 1/10W	R760	1-216-133-91	RES-CHIP	3.3M 5% 1/10W
R670	1-216-009-91	RES-CHIP	22 5% 1/10W	R761	1-216-017-91	RES-CHIP	47 5% 1/10W
R671	1-216-009-91	RES-CHIP	22 5% 1/10W	R762	1-216-037-00	RES-CHIP	330 5% 1/10W
R672	1-216-009-91	RES-CHIP	22 5% 1/10W	R763	1-208-818-11	METAL CHIP	33K 0.5% 1/10W
R673	1-216-009-91	RES-CHIP	22 5% 1/10W	R764	1-208-806-11	METAL CHIP	10K 0.5% 1/10W
R674	1-216-009-91	RES-CHIP	22 5% 1/10W	R765	1-216-009-91	RES-CHIP	22 5% 1/10W
R675	1-216-009-91	RES-CHIP	22 5% 1/10W	R766	1-208-846-11	METAL CHIP	470K 0.5% 1/10W
R676	1-216-009-91	RES-CHIP	22 5% 1/10W	R767	1-216-073-91	RES-CHIP	10K 5% 1/10W
R677	1-216-009-91	RES-CHIP	22 5% 1/10W	R768	1-216-009-91	RES-CHIP	22 5% 1/10W
R678	1-216-009-91	RES-CHIP	22 5% 1/10W	R770	1-216-025-11	RES-CHIP	100 5% 1/10W
R679	1-216-295-91	SHORT	0	R771	1-216-025-11	RES-CHIP	100 5% 1/10W
R680	1-216-009-91	RES-CHIP	22 5% 1/10W	R772	1-216-025-11	RES-CHIP	100 5% 1/10W
R681	1-216-009-91	RES-CHIP	22 5% 1/10W	R773	1-208-822-11	METAL CHIP	47K 0.5% 1/10W
R682	1-216-009-91	RES-CHIP	22 5% 1/10W	R774	1-208-846-11	METAL CHIP	470K 0.5% 1/10W
R683	1-216-009-91	RES-CHIP	22 5% 1/10W	R775	1-216-025-11	RES-CHIP	100 5% 1/10W
R684	1-216-009-91	RES-CHIP	22 5% 1/10W	R776	1-216-295-91	SHORT	0
R685	1-216-009-91	RES-CHIP	22 5% 1/10W	R777	1-216-073-91	RES-CHIP	10K 5% 1/10W
R686	1-216-009-91	RES-CHIP	22 5% 1/10W	R778	1-216-025-11	RES-CHIP	100 5% 1/10W
R687	1-216-009-91	RES-CHIP	22 5% 1/10W	R779	1-216-045-00	RES-CHIP	680 5% 1/10W
R688	1-216-295-91	SHORT	0	R781	1-216-025-11	RES-CHIP	100 5% 1/10W
R689	1-216-009-91	RES-CHIP	22 5% 1/10W	R783	1-216-025-11	RES-CHIP	100 5% 1/10W
R690	1-216-009-91	RES-CHIP	22 5% 1/10W	R785	1-216-009-91	RES-CHIP	22 5% 1/10W
R691	1-216-009-91	RES-CHIP	22 5% 1/10W	R786	1-216-073-91	RES-CHIP	10K 5% 1/10W
R692	1-216-009-91	RES-CHIP	22 5% 1/10W	R787	1-216-009-91	RES-CHIP	22 5% 1/10W
R693	1-216-009-91	RES-CHIP	22 5% 1/10W	R788	1-216-025-11	RES-CHIP	100 5% 1/10W
R694	1-216-009-91	RES-CHIP	22 5% 1/10W	R789	1-216-025-11	RES-CHIP	100 5% 1/10W
R695	1-216-009-91	RES-CHIP	22 5% 1/10W	R790	1-216-025-11	RES-CHIP	100 5% 1/10W
R696	1-216-009-91	RES-CHIP	22 5% 1/10W	R791	1-216-045-00	RES-CHIP	680 5% 1/10W
R697	1-216-009-91	RES-CHIP	22 5% 1/10W	R792	1-216-025-11	RES-CHIP	100 5% 1/10W
R698	1-216-295-91	SHORT	0	R795	1-216-009-91	RES-CHIP	22 5% 1/10W
R702	1-216-295-91	SHORT	0	R796	1-216-009-91	RES-CHIP	22 5% 1/10W
R707	1-216-025-11	RES-CHIP	100 5% 1/10W	R799	1-216-295-91	SHORT	0
R708	1-216-295-91	SHORT	0				



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R800	1-216-295-91	SHORT	0	R899	1-216-641-11	METAL CHIP	390 0.5% 1/10W
R807	1-216-061-91	RES-CHIP	3.3K 5% 1/10W	R6001	1-216-295-91	SHORT	0
R808	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R6504	1-216-049-11	RES-CHIP	1K 5% 1/10W
R809	1-216-061-91	RES-CHIP	3.3K 5% 1/10W	R6505	1-216-053-00	RES-CHIP	1.5K 5% 1/10W
R810	1-216-057-00	RES-CHIP	2.2K 5% 1/10W				
R811	1-216-025-11	RES-CHIP	100 5% 1/10W	R6506	1-216-049-11	RES-CHIP	1K 5% 1/10W
R812	1-216-025-11	RES-CHIP	100 5% 1/10W	R6507	1-216-607-11	METAL CHIP	15 0.5% 1/10W
R813	1-216-061-91	RES-CHIP	3.3K 5% 1/10W	R6508	1-216-001-00	RES-CHIP	10 5% 1/10W
R814	1-216-009-91	RES-CHIP	22 5% 1/10W	R6509	1-216-049-11	RES-CHIP	1K 5% 1/10W
R815	1-216-061-91	RES-CHIP	3.3K 5% 1/10W	R6511	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R816	1-216-025-11	RES-CHIP	100 5% 1/10W				
R817	1-216-059-00	RES-CHIP	2.7K 5% 1/10W	R6512	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R818	1-216-025-11	RES-CHIP	100 5% 1/10W	R6513	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R819	1-216-025-11	RES-CHIP	100 5% 1/10W	R6514	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R820	1-216-009-91	RES-CHIP	22 5% 1/10W	R6525	1-208-760-11	METAL CHIP	120 0.5% 1/10W
				R6526	1-216-049-11	RES-CHIP	1K 5% 1/10W
R821	1-216-049-11	RES-CHIP	1K 5% 1/10W				
R822	1-216-025-11	RES-CHIP	100 5% 1/10W	R6527	1-216-051-00	RES-CHIP	1.2K 5% 1/10W
R823	1-208-810-11	METAL CHIP	15K 0.5% 1/10W	R6528	1-216-051-00	RES-CHIP	1.2K 5% 1/10W
R824	1-216-065-91	RES-CHIP	4.7K 5% 1/10W	R6531	1-216-295-91	SHORT	0
R825	1-216-049-11	RES-CHIP	1K 5% 1/10W	R6539	1-216-642-11	METAL CHIP	430 0.5% 1/10W
				R6542	1-216-049-11	RES-CHIP	1K 5% 1/10W
R826	1-216-025-11	RES-CHIP	100 5% 1/10W				
R827	1-208-824-11	METAL CHIP	56K 0.5% 1/10W	R6701	1-216-073-91	RES-CHIP	10K 5% 1/10W
R828	1-216-045-00	RES-CHIP	680 5% 1/10W	R6704	1-216-049-11	RES-CHIP	1K 5% 1/10W
R829	1-216-049-11	RES-CHIP	1K 5% 1/10W	R6716	1-216-295-91	SHORT	0
R830	1-216-295-91	SHORT	0	R6717	1-216-295-91	SHORT	0
				R6718	1-216-295-91	SHORT	0
R831	1-216-025-11	RES-CHIP	100 5% 1/10W				
R832	1-216-045-00	RES-CHIP	680 5% 1/10W	R6719	1-216-295-91	SHORT	0
R833	1-216-295-91	SHORT	0	R6720	1-216-295-91	SHORT	0
R834	1-216-295-91	SHORT	0	R6721	1-216-295-91	SHORT	0
R835	1-216-295-91	SHORT	0				
				< NETWORK RESISTOR >			
R836	1-216-009-91	RES-CHIP	22 5% 1/10W	RB401	1-233-576-11	RES, CHIP NETWORK	100
R837	1-216-295-91	SHORT	0	RB402	1-233-576-11	RES, CHIP NETWORK	100
R838	1-216-043-91	RES-CHIP	560 5% 1/10W	RB403	1-233-576-11	RES, CHIP NETWORK	100
R839	1-216-295-91	SHORT	0	RB404	1-233-576-11	RES, CHIP NETWORK	100
R840	1-216-025-11	RES-CHIP	100 5% 1/10W	RB405	1-233-576-11	RES, CHIP NETWORK	100
R841	1-216-295-91	SHORT	0	RB406	1-233-576-11	RES, CHIP NETWORK	100
R842	1-216-025-11	RES-CHIP	100 5% 1/10W	RB407	1-239-414-11	NETWORK RESISTOR (CHIP)	150
R843	1-216-025-11	RES-CHIP	100 5% 1/10W	RB408	1-239-414-11	NETWORK RESISTOR (CHIP)	150
R874	1-216-025-11	RES-CHIP	100 5% 1/10W	RB409	1-239-414-11	NETWORK RESISTOR (CHIP)	150
R879	1-216-295-91	SHORT	0	RB410	1-239-414-11	NETWORK RESISTOR (CHIP)	150
R880	1-216-033-00	RES-CHIP	220 5% 1/10W	RB411	1-239-414-11	NETWORK RESISTOR (CHIP)	150
R881	1-216-631-11	METAL CHIP	150 0.5% 1/10W	RB412	1-239-414-11	NETWORK RESISTOR (CHIP)	150
R883	1-208-783-11	METAL CHIP	1.1K 0.5% 1/10W	RB415	1-233-575-11	RES, CHIP NETWORK	22
R884	1-216-041-00	RES-CHIP	470 5% 1/10W	RB416	1-233-575-11	RES, CHIP NETWORK	22
R885	1-216-295-91	SHORT	0	RB417	1-233-575-11	RES, CHIP NETWORK	22
R886	1-216-033-00	RES-CHIP	220 5% 1/10W	RB418	1-233-575-11	RES, CHIP NETWORK	22
R887	1-216-631-11	METAL CHIP	150 0.5% 1/10W	RB419	1-233-575-11	RES, CHIP NETWORK	22
R889	1-208-783-11	METAL CHIP	1.1K 0.5% 1/10W	RB420	1-233-575-11	RES, CHIP NETWORK	22
R890	1-216-041-00	RES-CHIP	470 5% 1/10W				
R891	1-216-295-91	SHORT	0				
				< CRYSTAL >			
R892	1-216-033-00	RES-CHIP	220 5% 1/10W	X501	1-795-112-21	VIBRATOR, CRYSTAL (13.5MHz)	
R893	1-216-631-11	METAL CHIP	150 0.5% 1/10W	*****			
R895	1-208-783-11	METAL CHIP	1.1K 0.5% 1/10W				
R896	1-216-041-00	RES-CHIP	470 5% 1/10W				
R897	1-216-641-11	METAL CHIP	390 0.5% 1/10W				
R898	1-216-641-11	METAL CHIP	390 0.5% 1/10W				



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
* A-1300-219-A A BOARD, COMPLETE *****				C1911	1-126-933-11	ELECT 100μF	20% 16V
				C1914	1-126-933-11	ELECT 100μF	20% 16V
* 1-555-110-00 CABLE, PIN				C1915	1-126-964-11	ELECT 10μF	20% 50V
4-202-373-01 SPRING, IC				C1920	1-109-889-11	ELECT 1μF	20% 50V
4-382-854-11 SCREW (M3X10), P, SW (+)				C1921	1-126-926-11	ELECT 1000μF	20% 10V
				C1923	1-126-767-11	ELECT 1000μF	20% 16V
< CAPACITOR >				C1924	1-163-257-11	CERAMIC CHIP 180pF	5% 50V
C1004	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C1925	1-163-257-11	CERAMIC CHIP 180pF	5% 50V
C1005	1-163-243-11	CERAMIC CHIP 47pF	5% 50V	C1926	1-163-257-11	CERAMIC CHIP 180pF	5% 50V
C1006	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C1928	1-126-933-11	ELECT 100μF	20% 16V
C1011	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	C1931	1-104-665-11	ELECT 100μF	20% 25V
C1021	1-126-964-11	ELECT 10μF	20% 50V	C1932	1-104-665-11	ELECT 100μF	20% 25V
C1301	1-115-781-11	ELECT 220μF	20% 25V	C1933	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
C1302	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C1934	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
C1304	1-163-251-11	CERAMIC CHIP 100pF	5% 50V	C1940	1-164-344-11	CERAMIC CHIP 0.068μF	10% 25V
C1305	1-126-934-11	ELECT 220μF	20% 25V	C1941	1-126-947-11	ELECT 47μF	20% 25V
C1306	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C1942	1-126-947-11	ELECT 47μF	20% 25V
C1307	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C1943	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
C1308	1-126-933-11	ELECT 100μF	20% 16V	C1944	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
C1311	1-126-934-11	ELECT 220μF	20% 25V	C1952	1-104-665-11	ELECT 100μF	20% 25V
C1312	1-163-275-11	CERAMIC CHIP 0.001μF	5% 50V	C1953	1-126-941-11	ELECT 470μF	20% 25V
C1313	1-126-933-11	ELECT 100μF	20% 16V	C1956	1-109-889-11	ELECT 1μF	20% 50V
C1314	1-126-947-11	ELECT 47μF	20% 16V	C1957	1-126-964-11	ELECT 10μF	20% 50V
C1315	1-163-275-11	CERAMIC CHIP 0.001μF	5% 50V	C1958	1-126-933-11	ELECT 100μF	20% 16V
C1316	1-126-933-11	ELECT 100μF	20% 16V	C1960	1-126-916-11	ELECT 1000μF	20% 6.3V
C1319	1-163-235-11	CERAMIC CHIP 22pF	5% 50V	C1962	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V
C1401	1-130-777-00	MYLAR 0.1μF	5% 63V	C1963	1-126-960-11	ELECT 1μF	20% 50V
C1402	1-130-777-00	MYLAR 0.1μF	5% 63V	C1980	1-126-941-11	ELECT 470μF	20% 25V
C1403	1-130-777-00	MYLAR 0.1μF	5% 63V	C1982	1-109-889-11	ELECT 1μF	20% 50V
C1404	1-130-777-00	MYLAR 0.1μF	5% 63V	C1990	1-126-926-11	ELECT 1000μF	20% 10V
C1405	1-126-947-11	ELECT 47μF	20% 16V	C1992	1-126-935-11	ELECT 470μF	20% 16V
C1409	1-136-165-00	FILM 0.1μF	5% 50V	C2005	1-163-275-11	CERAMIC CHIP 0.001μF	5% 50V
C1410	1-163-038-91	CERAMIC CHIP 0.1μF	25V	C2006	1-163-275-11	CERAMIC CHIP 0.001μF	5% 50V
C1411	1-126-933-11	ELECT 100μF	20% 16V	C2007	1-163-275-11	CERAMIC CHIP 0.001μF	5% 50V
C1412	1-163-038-91	CERAMIC CHIP 0.1μF	25V	C2008	1-163-275-11	CERAMIC CHIP 0.001μF	5% 50V
C1413	1-126-967-11	ELECT 47μF	20% 50V	C2020	1-126-941-11	ELECT 470μF	20% 25V
C1414	1-126-967-11	ELECT 47μF	20% 50V	C2021	1-126-964-11	ELECT 10μF	20% 50V
C1415	1-126-967-11	ELECT 47μF	20% 50V	C2022	1-126-964-11	ELECT 10μF	20% 50V
C1416	1-126-967-11	ELECT 47μF	20% 50V	C2033	1-126-964-11	ELECT 10μF	20% 50V
C1417	1-126-967-11	ELECT 47μF	20% 50V	C2037	1-126-964-11	ELECT 10μF	20% 50V
C1418	1-126-967-11	ELECT 47μF	20% 50V	C2038	1-126-964-11	ELECT 10μF	20% 50V
C1419	1-164-222-91	CERAMIC CHIP 0.22μF	25V	C2039	1-126-964-11	ELECT 10μF	20% 50V
C1420	1-164-222-91	CERAMIC CHIP 0.22μF	25V	C2040	1-126-964-11	ELECT 10μF	20% 50V
C1421	1-164-222-91	CERAMIC CHIP 0.22μF	25V	C2041	1-126-964-11	ELECT 10μF	20% 50V
C1422	1-164-222-91	CERAMIC CHIP 0.22μF	25V	C2042	1-126-964-11	ELECT 10μF	20% 50V
C1423	1-164-222-91	CERAMIC CHIP 0.22μF	25V	C2045	1-107-703-11	ELECT 220μF	20% 25V
C1424	1-163-038-91	CERAMIC CHIP 0.1μF	25V	C2046	1-107-703-11	ELECT 220μF	20% 25V
C1425	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	C2051	1-136-165-00	FILM 0.1μF	5% 50V
C1426	1-163-247-91	CERAMIC CHIP 68pF	5% 50V	C2052	1-136-165-00	FILM 0.1μF	5% 50V
C1427	1-163-247-91	CERAMIC CHIP 68pF	5% 50V	C2053	1-136-165-00	FILM 0.1μF	5% 50V
C1428	1-163-247-91	CERAMIC CHIP 68pF	5% 50V	C2054	1-136-165-00	FILM 0.1μF	5% 50V
C1901	1-126-947-11	ELECT 47μF	20% 25V	C2055	1-163-038-91	CERAMIC CHIP 0.1μF	25V
C1902	1-163-038-91	CERAMIC CHIP 0.1μF	25V	C2056	1-163-038-91	CERAMIC CHIP 0.1μF	25V
C1904	1-163-009-91	CERAMIC CHIP 0.001μF	10% 50V	C2057	1-128-548-11	ELECT 4700μF	20% 25V
C1905	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	C2058	1-128-548-11	ELECT 4700μF	20% 25V
				C2059	1-126-935-11	ELECT 470μF	20% 16V



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
		< CONNECTOR >					
CN1001	1-695-299-11	CONNECTOR, BOARD TO BOARD 50P		D1933	8-719-500-70	DIODE D5S4M	
CN1201	1-783-967-11	CONNECTOR, BOARD TO BOARD 30P		D2001	8-719-404-50	DIODE MA111-TX	
CN1202	1-783-967-11	CONNECTOR, BOARD TO BOARD 30P		D2002	8-719-988-61	DIODE 1SS355TE-17	
CN1665	1-695-915-11	TAB (CONTACTILE)		D2005	8-719-404-50	DIODE MA111-TX	
CN1701	1-695-298-11	CONNECTOR, BOARD TO BOARD 40P		D2006	8-719-404-50	DIODE MA111-TX	
CN1801	1-695-299-11	CONNECTOR, BOARD TO BOARD 50P		D2007	8-719-914-43	DIODE DAN202K	
CN1901	1-695-298-11	CONNECTOR, BOARD TO BOARD 40P		D2008	8-719-914-43	DIODE DAN202K	
CN1904	* 1-564-515-11	PLUG, CONNECTOR 12P		D2009	8-719-914-43	DIODE DAN202K	
CN1905	* 1-564-512-11	PLUG, CONNECTOR 9P		D2010	8-719-914-43	DIODE DAN202K	
CN1906	* 1-564-506-11	PLUG, CONNECTOR 3P		D2011	8-719-914-43	DIODE DAN202K	
CN1907	* 1-764-333-11	PLUG, CONNECTOR 10P		D2013	8-719-914-43	DIODE DAN202K	
CN1908	1-764-334-11	PLUG, CONNECTOR 11P				< FERRITE BEAD >	
CN1914	* 1-564-512-11	PLUG, CONNECTOR 9P		FB1301	1-414-813-11	FERRITE	0μH
CN1915	1-766-281-11	PIN, CONNECTOR (PC BOARD) 8P				< FILTER >	
CN1917	* 1-564-508-11	PLUG, CONNECTOR 5P		FL1301	1-233-435-11	FILTER, LOW PASS	
CN1918	* 1-564-509-11	PLUG, CONNECTOR 6P		FL1302	1-233-436-11	FILTER, LOW PASS	
CN1922	1-764-812-11	CONNECTOR, BOARD TO BOARD 11P		FL1303	1-233-436-11	FILTER, LOW PASS	
CN1924	* 1-764-333-11	PLUG, CONNECTOR 10P		FL1401	1-236-071-11	ENCAPSULATED COMPONENT	
CN1926	* 1-580-838-11	PIN, CONNECTOR (PC BOARD) 4P				< IC >	
CN2002	* 1-564-511-11	PLUG, CONNECTOR 8P		IC1004	8-752-072-94	IC CXA1875AM-T4	
CN2003	* 1-564-510-11	PLUG, CONNECTOR 7P		IC1401	8-752-072-94	IC CXA1875AM-T4	
		< COMPOSITION CIRCUIT BLOCK >		IC1402	8-752-067-36	IC CXA1815S	
CP1301	1-251-658-11	SPLITTER RF		IC1405	8-759-242-74	IC TC7W04F	
		< DIODE >		IC1901	8-759-442-07	IC LM75CIMX-5	
D1108	8-719-988-61	DIODE 1SS355TE-17		IC1902	8-752-072-94	IC CXA1875AM-T4	
D1109	8-719-988-61	DIODE 1SS355TE-17		IC1903	8-759-284-06	IC PQ30RV31	
D1301	8-719-083-82	DIODE UDZS-TE17-12B		IC1904	8-759-198-03	IC PQ09RF21	
D1302	8-719-083-82	DIODE UDZS-TE17-12B		IC1905	8-759-663-29	IC MM1476AF(TP)	
D1303	8-719-083-82	DIODE UDZS-TE17-12B		IC1907	8-759-098-24	IC PQ30RV11	
D1304	8-719-083-82	DIODE UDZS-TE17-12B		IC1908	8-759-098-24	IC PQ30RV11	
D1305	8-719-158-49	DIODE RD12SB2		IC1910	8-759-098-24	IC PQ30RV11	
D1401	8-719-914-43	DIODE DAN202K		IC1911	8-759-284-06	IC PQ30RV31	
D1901	8-719-404-50	DIODE MA111-TX		IC1913	8-759-640-19	IC PQ1CG2032FZ	
D1902	8-719-404-50	DIODE MA111-TX		IC2003	8-759-590-05	IC TDA7269A	
D1903	8-719-106-17	DIODE RD6.8M-B2		IC2004	8-759-590-05	IC TDA7269A	
D1904	8-719-982-03	DIODE MTZJ-3.6A				< CHIP CONDUCTOR >	
D1906	8-719-025-31	DIODE 02CZ5.6-TE85L		JR2006	1-216-295-91	SHORT	0
D1907	8-719-404-50	DIODE MA111-TX		JR2007	1-216-295-91	SHORT	0
D1908	8-719-404-50	DIODE MA111-TX				< COIL >	
D1909	8-719-404-50	DIODE MA111-TX		L1301	1-408-603-31	INDUCTOR	10μH
D1910	8-719-404-50	DIODE MA111-TX		L1302	1-408-603-31	INDUCTOR	10μH
D1911	8-719-404-50	DIODE MA111-TX		L1303	1-408-603-31	INDUCTOR	10μH
D1912	8-719-404-50	DIODE MA111-TX		L1304	1-408-603-31	INDUCTOR	10μH
D1913	8-719-404-50	DIODE MA111-TX		L1306	1-410-687-11	INDUCTOR	1.2mH
D1914	8-719-404-50	DIODE MA111-TX		L1902	1-408-603-31	INDUCTOR	10μH
D1918	8-719-404-50	DIODE MA111-TX					
D1919	8-719-914-43	DIODE DAN202K					
D1920	8-719-404-50	DIODE MA111-TX					
D1921	8-719-404-50	DIODE MA111-TX					

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
L1908	1-406-662-11	INDUCTOR 33μH		Q1906	8-729-900-53	TRANSISTOR DTC114EK	
				Q1907	8-729-900-53	TRANSISTOR DTC114EK	
	< TRANSISTOR >			Q1908	8-729-422-33	TRANSISTOR 2SD601A-Q-TX	
Q1001	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q1909	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q1002	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q1910	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q1003	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q1911	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q1004	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q1912	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q1103	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q1913	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q1104	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q1914	8-729-900-53	TRANSISTOR DTC114EK	
Q1105	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q1915	8-729-027-55	TRANSISTOR DTC143EKA-T146	
Q1201	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q2005	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q1301	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		Q2006	8-729-027-55	TRANSISTOR DTC143EKA-T146	
Q1302	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q2007	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q1303	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		Q2008	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q1304	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q2009	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q1305	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		Q2010	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q1306	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q2011	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q1307	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q2012	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q1308	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		Q2013	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q1309	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		Q2014	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q1310	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q2015	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q1311	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q2017	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q1312	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q2019	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q1313	8-729-120-28	TRANSISTOR 2SC1623-L5L6			< RESISTOR >		
Q1314	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R1005	1-216-073-91	RES-CHIP 10K	5% 1/10W
Q1315	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R1007	1-216-073-91	RES-CHIP 10K	5% 1/10W
Q1316	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R1008	1-216-295-91	SHORT 0	
Q1317	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R1009	1-216-295-91	SHORT 0	
Q1318	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R1010	1-216-295-91	SHORT 0	
Q1319	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R1011	1-216-295-91	SHORT 0	
Q1320	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R1012	1-216-073-91	RES-CHIP 10K	5% 1/10W
Q1321	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R1013	1-216-073-91	RES-CHIP 10K	5% 1/10W
Q1322	8-729-900-53	TRANSISTOR DTC114EK		R1014	1-216-049-11	RES-CHIP 1K	5% 1/10W
Q1401	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R1015	1-216-295-91	SHORT 0	
Q1402	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R1016	1-216-295-91	SHORT 0	
Q1403	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R1018	1-216-017-91	RES-CHIP 47	5% 1/10W
Q1404	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R1019	1-216-017-91	RES-CHIP 47	5% 1/10W
Q1405	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R1022	1-216-295-91	SHORT 0	
Q1406	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R1023	1-216-295-91	SHORT 0	
Q1407	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R1025	1-216-049-11	RES-CHIP 1K	5% 1/10W
Q1408	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R1026	1-216-041-00	RES-CHIP 470	5% 1/10W
Q1409	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R1027	1-216-073-91	RES-CHIP 10K	5% 1/10W
Q1410	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R1029	1-216-049-11	RES-CHIP 1K	5% 1/10W
Q1411	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R1030	1-216-295-91	SHORT 0	
Q1412	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R1107	1-216-097-11	RES-CHIP 100K	5% 1/10W
Q1413	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R1108	1-216-097-11	RES-CHIP 100K	5% 1/10W
Q1414	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R1109	1-216-073-91	RES-CHIP 10K	5% 1/10W
Q1415	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R1110	1-216-097-11	RES-CHIP 100K	5% 1/10W
Q1416	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R1111	1-216-073-91	RES-CHIP 10K	5% 1/10W
Q1417	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R1123	1-249-381-11	CARBON 1	5% 1/4W
Q1901	8-729-900-53	TRANSISTOR DTC114EK		R1223	1-216-097-11	RES-CHIP 100K	5% 1/10W
Q1902	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R1224	1-216-073-91	RES-CHIP 10K	5% 1/10W
Q1903	8-729-900-53	TRANSISTOR DTC114EK		R1231	1-216-295-91	SHORT 0	
Q1904	8-729-900-53	TRANSISTOR DTC114EK		R1232	1-216-295-91	SHORT 0	
Q1905	8-729-900-53	TRANSISTOR DTC114EK					



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R1233	1-216-295-91	SHORT	0	R1362	1-216-295-91	SHORT	0
R1234	1-216-295-91	SHORT	0	R1369	1-216-295-91	SHORT	0
R1301	1-216-041-00	RES-CHIP	470 5% 1/10W	R1371	1-216-295-91	SHORT	0
R1302	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1372	1-216-017-91	RES-CHIP	47 5% 1/10W
R1303	1-216-025-11	RES-CHIP	100 5% 1/10W	R1373	1-216-085-91	RES-CHIP	33K 5% 1/10W
R1304	1-216-025-11	RES-CHIP	100 5% 1/10W	R1375	1-216-077-91	RES-CHIP	15K 5% 1/10W
R1305	1-216-073-91	RES-CHIP	10K 5% 1/10W	R1376	1-216-073-91	RES-CHIP	10K 5% 1/10W
R1306	1-216-025-11	RES-CHIP	100 5% 1/10W	R1401	1-216-029-00	RES-CHIP	150 5% 1/10W
R1307	1-216-041-00	RES-CHIP	470 5% 1/10W	R1402	1-216-027-00	RES-CHIP	120 5% 1/10W
R1308	1-216-075-00	RES-CHIP	12K 5% 1/10W	R1403	1-216-049-11	RES-CHIP	1K 5% 1/10W
R1309	1-216-041-00	RES-CHIP	470 5% 1/10W	R1405	1-216-025-11	RES-CHIP	100 5% 1/10W
R1310	1-216-041-00	RES-CHIP	470 5% 1/10W	R1406	1-216-073-91	RES-CHIP	10K 5% 1/10W
R1311	1-216-001-00	RES-CHIP	10 5% 1/10W	R1407	1-216-017-91	RES-CHIP	47 5% 1/10W
R1312	1-216-025-11	RES-CHIP	100 5% 1/10W	R1408	1-216-017-91	RES-CHIP	47 5% 1/10W
R1313	1-216-069-00	RES-CHIP	6.8K 5% 1/10W	R1409	1-216-025-11	RES-CHIP	100 5% 1/10W
R1314	1-216-041-00	RES-CHIP	470 5% 1/10W	R1410	1-216-073-91	RES-CHIP	10K 5% 1/10W
R1315	1-216-041-00	RES-CHIP	470 5% 1/10W	R1411	1-216-025-11	RES-CHIP	100 5% 1/10W
R1316	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1412	1-216-025-11	RES-CHIP	100 5% 1/10W
R1317	1-216-041-00	RES-CHIP	470 5% 1/10W	R1413	1-216-097-11	RES-CHIP	100K 5% 1/10W
R1318	1-216-043-91	RES-CHIP	560 5% 1/10W	R1414	1-216-049-11	RES-CHIP	1K 5% 1/10W
R1319	1-216-025-11	RES-CHIP	100 5% 1/10W	R1415	1-216-049-11	RES-CHIP	1K 5% 1/10W
R1320	1-216-041-00	RES-CHIP	470 5% 1/10W	R1416	1-216-049-11	RES-CHIP	1K 5% 1/10W
R1321	1-216-295-91	SHORT	0	R1417	1-216-017-91	RES-CHIP	47 5% 1/10W
R1322	1-216-025-11	RES-CHIP	100 5% 1/10W	R1418	1-216-049-11	RES-CHIP	1K 5% 1/10W
R1323	1-216-025-11	RES-CHIP	100 5% 1/10W	R1419	1-216-041-00	RES-CHIP	470 5% 1/10W
R1324	1-216-073-91	RES-CHIP	10K 5% 1/10W	R1420	1-216-041-00	RES-CHIP	470 5% 1/10W
R1325	1-216-041-00	RES-CHIP	470 5% 1/10W	R1421	1-216-025-11	RES-CHIP	100 5% 1/10W
R1326	1-216-073-91	RES-CHIP	10K 5% 1/10W	R1422	1-216-295-91	SHORT	0
R1327	1-216-073-91	RES-CHIP	10K 5% 1/10W	R1423	1-216-025-11	RES-CHIP	100 5% 1/10W
R1328	1-216-081-00	RES-CHIP	22K 5% 1/10W	R1424	1-216-017-91	RES-CHIP	47 5% 1/10W
R1331	1-216-295-91	SHORT	0	R1425	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R1332	1-216-295-91	SHORT	0	R1426	1-216-017-91	RES-CHIP	47 5% 1/10W
R1333	1-216-045-00	RES-CHIP	680 5% 1/10W	R1427	1-216-041-00	RES-CHIP	470 5% 1/10W
R1334	1-208-776-11	METAL CHIP	560 0.5% 1/10W	R1428	1-216-041-00	RES-CHIP	470 5% 1/10W
R1335	1-216-295-91	SHORT	0	R1429	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R1336	1-208-800-11	METAL CHIP	5.6K 0.5% 1/10W	R1430	1-216-017-91	RES-CHIP	47 5% 1/10W
R1337	1-216-043-91	RES-CHIP	560 5% 1/10W	R1431	1-216-017-91	RES-CHIP	47 5% 1/10W
R1338	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R1432	1-216-041-00	RES-CHIP	470 5% 1/10W
R1339	1-208-776-11	METAL CHIP	560 0.5% 1/10W	R1433	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R1340	1-216-295-91	SHORT	0	R1434	1-216-041-00	RES-CHIP	470 5% 1/10W
R1341	1-208-800-11	METAL CHIP	5.6K 0.5% 1/10W	R1435	1-216-017-91	RES-CHIP	47 5% 1/10W
R1342	1-216-041-00	RES-CHIP	470 5% 1/10W	R1436	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R1343	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R1437	1-216-073-91	RES-CHIP	10K 5% 1/10W
R1344	1-208-776-11	METAL CHIP	560 0.5% 1/10W	R1442	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R1345	1-216-295-91	SHORT	0	R1443	1-216-049-11	RES-CHIP	1K 5% 1/10W
R1346	1-208-800-11	METAL CHIP	5.6K 0.5% 1/10W	R1444	1-216-025-11	RES-CHIP	100 5% 1/10W
R1347	1-216-041-00	RES-CHIP	470 5% 1/10W	R1445	1-216-049-11	RES-CHIP	1K 5% 1/10W
R1348	1-208-774-11	METAL CHIP	470 0.5% 1/10W	R1446	1-216-025-11	RES-CHIP	100 5% 1/10W
R1349	1-208-774-11	METAL CHIP	470 0.5% 1/10W	R1447	1-216-025-11	RES-CHIP	100 5% 1/10W
R1350	1-208-764-11	METAL CHIP	180 0.5% 1/10W	R1448	1-216-025-11	RES-CHIP	100 5% 1/10W
R1351	1-216-041-00	RES-CHIP	470 5% 1/10W	R1449	1-216-025-11	RES-CHIP	100 5% 1/10W
R1352	1-216-041-00	RES-CHIP	470 5% 1/10W	R1450	1-216-017-91	RES-CHIP	47 5% 1/10W
R1353	1-216-025-11	RES-CHIP	100 5% 1/10W	R1451	1-216-017-91	RES-CHIP	47 5% 1/10W
R1354	1-216-041-00	RES-CHIP	470 5% 1/10W	R1454	1-216-081-00	RES-CHIP	22K 5% 1/10W
R1355	1-216-041-00	RES-CHIP	470 5% 1/10W	R1456	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R1356	1-216-025-11	RES-CHIP	100 5% 1/10W	R1457	1-216-025-11	RES-CHIP	100 5% 1/10W



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R1458	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R1945	1-208-806-11 METAL CHIP 10K 0.5% 1/10W
R1459	1-216-025-11	RES-CHIP	100	5%	1/10W	R1947	1-208-806-11 METAL CHIP 10K 0.5% 1/10W
R1462	1-216-295-91	SHORT	0			R1948	1-216-037-00 RES-CHIP 330 5% 1/10W
R1463	1-216-017-91	RES-CHIP	47	5%	1/10W	R1949	1-216-065-91 RES-CHIP 4.7K 5% 1/10W
R1464	1-216-049-11	RES-CHIP	1K	5%	1/10W	R1950	1-216-073-91 RES-CHIP 10K 5% 1/10W
R1465	1-216-017-91	RES-CHIP	47	5%	1/10W	R1951	1-216-097-11 RES-CHIP 100K 5% 1/10W
R1466	1-216-049-11	RES-CHIP	1K	5%	1/10W	R1952	1-216-089-91 RES-CHIP 47K 5% 1/10W
R1467	1-216-017-91	RES-CHIP	47	5%	1/10W	R1953	1-216-073-91 RES-CHIP 10K 5% 1/10W
R1468	1-216-041-00	RES-CHIP	470	5%	1/10W	R1954	1-216-065-91 RES-CHIP 4.7K 5% 1/10W
R1469	1-216-097-11	RES-CHIP	100K	5%	1/10W	R1955	1-216-073-91 RES-CHIP 10K 5% 1/10W
R1470	1-216-029-00	RES-CHIP	150	5%	1/10W	R1956	1-216-073-91 RES-CHIP 10K 5% 1/10W
R1471	1-216-021-00	RES-CHIP	68	5%	1/10W	R1957	1-216-057-00 RES-CHIP 2.2K 5% 1/10W
R1472	1-216-045-00	RES-CHIP	680	5%	1/10W	R1958	1-216-057-00 RES-CHIP 2.2K 5% 1/10W
R1473	1-216-029-00	RES-CHIP	150	5%	1/10W	R1959	1-216-057-00 RES-CHIP 2.2K 5% 1/10W
R1474	1-216-025-11	RES-CHIP	100	5%	1/10W	R1960	1-216-057-00 RES-CHIP 2.2K 5% 1/10W
R1475	1-216-045-00	RES-CHIP	680	5%	1/10W	R1961	1-216-073-91 RES-CHIP 10K 5% 1/10W
R1901	1-216-025-11	RES-CHIP	100	5%	1/10W	R1962	1-216-073-91 RES-CHIP 10K 5% 1/10W
R1902	1-216-017-91	RES-CHIP	47	5%	1/10W	R1963	1-208-828-11 METAL CHIP 82K 0.5% 1/10W
R1903	1-216-017-91	RES-CHIP	47	5%	1/10W	R1964	1-208-808-11 METAL CHIP 12K 0.5% 1/10W
R1904	1-216-073-91	RES-CHIP	10K	5%	1/10W	R1965	1-208-832-11 METAL CHIP 120K 0.5% 1/10W
R1905	1-216-089-91	RES-CHIP	47K	5%	1/10W	R1966	1-216-065-91 RES-CHIP 4.7K 5% 1/10W
R1906	1-216-073-91	RES-CHIP	10K	5%	1/10W	R1967	1-216-295-91 SHORT 0
R1907	1-216-025-11	RES-CHIP	100	5%	1/10W	R1970	1-216-017-91 RES-CHIP 47 5% 1/10W
R1908	1-216-025-11	RES-CHIP	100	5%	1/10W	R1971	1-216-017-91 RES-CHIP 47 5% 1/10W
R1909	1-216-025-11	RES-CHIP	100	5%	1/10W	R1972	1-208-787-11 METAL CHIP 1.6K 0.5% 1/10W
R1910	1-216-025-11	RES-CHIP	100	5%	1/10W	R1973	1-208-775-11 METAL CHIP 510 0.5% 1/10W
R1911	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R1975	1-216-049-11 RES-CHIP 1K 5% 1/10W
R1912	1-216-295-91	SHORT	0			R1976	1-216-049-11 RES-CHIP 1K 5% 1/10W
R1913	1-216-049-11	RES-CHIP	1K	5%	1/10W	R1977	1-208-832-11 METAL CHIP 120K 0.5% 1/10W
R1914	1-216-049-11	RES-CHIP	1K	5%	1/10W	R1978	1-208-808-11 METAL CHIP 12K 0.5% 1/10W
R1915	1-216-295-91	SHORT	0			R1979	1-208-812-11 METAL CHIP 18K 0.5% 1/10W
R1916	1-216-295-91	SHORT	0			R1983	1-208-814-91 METAL CHIP 22K 0.5% 1/10W
R1917	1-216-295-91	SHORT	0			R1993	1-216-295-91 SHORT 0
R1918	1-208-812-11	METAL CHIP	18K	0.5%	1/10W	R1994	1-216-295-91 SHORT 0
R1919	1-216-295-91	SHORT	0			R1995	1-216-295-91 SHORT 0
R1920	1-216-295-91	SHORT	0			R1996	1-216-295-91 SHORT 0
R1921	1-216-295-91	SHORT	0			R1997	1-216-295-91 SHORT 0
R1922	1-216-073-91	RES-CHIP	10K	5%	1/10W	R2005	1-216-089-91 RES-CHIP 47K 5% 1/10W
R1923	1-208-832-11	METAL CHIP	120K	0.5%	1/10W	R2022	1-216-081-00 RES-CHIP 22K 5% 1/10W
R1924	1-208-808-11	METAL CHIP	12K	0.5%	1/10W	R2027	1-216-089-91 RES-CHIP 47K 5% 1/10W
R1928	1-216-089-91	RES-CHIP	47K	5%	1/10W	R2028	1-216-647-11 RES-CHIP 680 5% 1/10W
R1929	1-216-089-91	RES-CHIP	47K	5%	1/10W	R2029	1-216-647-11 RES-CHIP 680 5% 1/10W
R1930	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R2030	1-216-073-91 RES-CHIP 10K 5% 1/10W
R1932	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R2031	1-216-057-00 RES-CHIP 2.2K 5% 1/10W
R1933	1-208-818-11	METAL CHIP	33K	0.5%	1/10W	R2032	1-216-097-11 RES-CHIP 100K 5% 1/10W
R1934	1-208-802-11	METAL CHIP	6.8K	0.5%	1/10W	R2033	1-216-057-00 RES-CHIP 2.2K 5% 1/10W
R1935	1-216-295-91	SHORT	0			R2034	1-216-057-00 RES-CHIP 2.2K 5% 1/10W
R1936	1-216-295-91	SHORT	0			R2035	1-240-079-21 RES-CHIP 4.7K 5% 1/10W
R1937	1-216-685-11	METAL CHIP	27K	0.5%	1/10W	R2036	1-216-073-91 RES-CHIP 10K 5% 1/10W
R1938	1-208-808-11	METAL CHIP	12K	0.5%	1/10W	R2037	1-216-065-91 RES-CHIP 4.7K 5% 1/10W
R1939	1-216-031-00	RES-CHIP	180	5%	1/10W	R2038	1-216-057-00 RES-CHIP 2.2K 5% 1/10W
R1940	1-216-395-00	METAL OXIDE	3.3	5%	3W	R2039	1-240-079-21 RES-CHIP 4.7K 5% 1/10W
R1941	1-208-814-91	METAL CHIP	22K	0.5%	1/10W	R2040	1-216-065-91 RES-CHIP 4.7K 5% 1/10W
R1942	1-208-814-91	METAL CHIP	22K	0.5%	1/10W	R2041	1-216-075-00 RES-CHIP 12K 5% 1/10W
R1943	1-216-295-91	SHORT	0			R2043	1-240-068-21 RES-CHIP 560 5% 1/10W
R1944	1-216-295-91	SHORT	0			R2044	1-216-075-00 RES-CHIP 12K 5% 1/10W



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R2045	1-216-075-00	RES-CHIP 12K	5% 1/10W	C9102	1-163-251-11	CERAMIC CHIP 100pF	5% 50V
R2046	1-240-068-21	RES-CHIP 560	5% 1/10W	C9103	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
R2047	1-216-025-11	RES-CHIP 100	5% 1/10W	C9104	1-126-933-11	ELECT 100μF	20% 16V
R2049	1-216-049-11	RES-CHIP 1K	5% 1/10W	C9105	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
R2050	1-216-089-91	RES-CHIP 47K	5% 1/10W	C9106	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
R2051	1-216-295-91	SHORT 0		C9107	1-163-251-11	CERAMIC CHIP 100pF	5% 50V
R2052	1-216-049-11	RES-CHIP 1K	5% 1/10W	C9109	1-163-251-11	CERAMIC CHIP 100pF	5% 50V
R2053	1-208-809-11	METAL CHIP 13K	0.5% 1/10W	C9110	1-110-501-11	CERAMIC CHIP 0.33μF	10% 16V
R2054	1-240-068-21	RES-CHIP 560	5% 1/10W	C9111	1-164-344-11	CERAMIC CHIP 0.068μF	10% 25V
R2055	1-208-809-11	METAL CHIP 13K	0.5% 1/10W	C9112	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
R2056	1-240-068-21	RES-CHIP 560	5% 1/10W	C9113	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
R2057	1-216-057-00	RES-CHIP 2.2K	5% 1/10W	C9114	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
R2058	1-216-073-91	RES-CHIP 10K	5% 1/10W	C9115	1-115-340-11	CERAMIC CHIP 0.22μF	10% 25V
R2059	1-216-073-91	RES-CHIP 10K	5% 1/10W	C9116	1-163-251-11	CERAMIC CHIP 100pF	5% 50V
R2060	1-216-075-00	RES-CHIP 12K	5% 1/10W	C9117	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
R2061	1-216-075-00	RES-CHIP 12K	5% 1/10W	C9118	1-126-947-11	ELECT 47μF	20% 16V
R2062	1-216-065-91	RES-CHIP 4.7K	5% 1/10W	C9119	1-110-501-11	CERAMIC CHIP 0.33μF	10% 16V
R2063	1-216-295-91	SHORT 0		C9121	1-163-251-11	CERAMIC CHIP 100pF	5% 50V
R2064	1-216-085-91	RES-CHIP 33K	5% 1/10W	C9122	1-115-340-11	CERAMIC CHIP 0.22μF	10% 25V
R2065	1-216-073-91	RES-CHIP 10K	5% 1/10W	C9123	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
R2066	1-216-089-91	RES-CHIP 47K	5% 1/10W	C9124	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
R2068	1-216-089-91	RES-CHIP 47K	5% 1/10W	C9125	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
R2069	1-216-295-91	SHORT 0		C9126	1-163-239-11	CERAMIC CHIP 33pF	5% 50V
R2070	1-216-295-91	SHORT 0		C9127	1-163-239-11	CERAMIC CHIP 33pF	5% 50V
R2071	1-216-089-91	RES-CHIP 47K	5% 1/10W	C9128	1-163-239-11	CERAMIC CHIP 33pF	5% 50V
R2072	1-216-089-91	RES-CHIP 47K	5% 1/10W	C9129	1-163-239-11	CERAMIC CHIP 33pF	5% 50V
R2073	1-216-357-00	METAL OXIDE 4.7	5% 1W	C9130	1-163-239-11	CERAMIC CHIP 33pF	5% 50V
R2074	1-216-357-00	METAL OXIDE 4.7	5% 1W	C9131	1-163-239-11	CERAMIC CHIP 33pF	5% 50V
R2075	1-216-357-00	METAL OXIDE 4.7	5% 1W	C9132	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
R2076	1-216-357-00	METAL OXIDE 4.7	5% 1W	C9133	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V
R2077	1-216-067-00	RES-CHIP 5.6K	5% 1/10W	C9400	1-115-340-11	CERAMIC CHIP 0.22μF	10% 25V
R2082	1-216-073-91	RES-CHIP 10K	5% 1/10W	C9501	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
R2084	1-216-295-91	SHORT 0		C9503	1-126-964-11	ELECT 10μF	20% 50V
R2085	1-216-295-91	SHORT 0		C9504	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
R2607	1-216-025-11	RES-CHIP 100	5% 1/10W	C9505	1-126-933-11	ELECT 100μF	20% 16V
< RELAY >				C9506	1-163-251-11	CERAMIC CHIP 100pF	5% 50V
RY1101	1-755-028-11	RELAY		C9507	1-115-340-11	CERAMIC CHIP 0.22μF	10% 25V
RY1102	1-755-028-11	RELAY		C9508	1-115-340-11	CERAMIC CHIP 0.22μF	10% 25V
< TUNER >				C9509	1-163-251-11	CERAMIC CHIP 100pF	5% 50V
TU1301	8-598-536-10	FRONTEND BTF-EF412		C9510	1-115-340-11	CERAMIC CHIP 0.22μF	10% 25V
TU1302	8-598-536-10	FRONTEND BTF-EF412		C9511	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
*****				C9512	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
* A-1300-220-A M BOARD, COMPLETE				C9513	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
*****				C9514	1-163-235-11	CERAMIC CHIP 22pF	5% 50V
1-540-151-21 SOCKET, IC				C9515	1-163-235-11	CERAMIC CHIP 22pF	5% 50V
1-785-449-12 SOCKET, IC				C9516	1-163-251-11	CERAMIC CHIP 100pF	5% 50V
< CAPACITOR >				C9517	1-163-009-91	CERAMIC CHIP 0.001μF	10% 50V
C9100	1-115-340-11	CERAMIC CHIP 0.22μF	10% 25V	C9518	1-115-340-11	CERAMIC CHIP 0.22μF	10% 25V
C9101	1-163-251-11	CERAMIC CHIP 100pF	5% 50V	C9519	1-126-964-11	ELECT 10μF	20% 50V
				C9520	1-163-239-11	CERAMIC CHIP 33pF	5% 50V
				C9521	1-163-239-11	CERAMIC CHIP 33pF	5% 50V
				C9522	1-163-239-11	CERAMIC CHIP 33pF	5% 50V
				C9701	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V
				C9703	1-126-947-11	ELECT 47μF	20% 16V
				C9704	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V
				C9707	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V



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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R9104	1-216-073-91	RES-CHIP	10K 5% 1/10W	R9174	1-216-025-11	RES-CHIP	100 5% 1/10W
R9105	1-216-073-91	RES-CHIP	10K 5% 1/10W	R9175	1-216-025-11	RES-CHIP	100 5% 1/10W
R9106	1-216-073-91	RES-CHIP	10K 5% 1/10W	R9176	1-216-025-11	RES-CHIP	100 5% 1/10W
R9107	1-216-295-91	SHORT	0	R9177	1-216-025-11	RES-CHIP	100 5% 1/10W
R9108	1-216-295-91	SHORT	0	R9178	1-216-025-11	RES-CHIP	100 5% 1/10W
R9109	1-216-073-91	RES-CHIP	10K 5% 1/10W				
R9110	1-216-081-00	RES-CHIP	22K 5% 1/10W	R9180	1-216-073-91	RES-CHIP	10K 5% 1/10W
R9111	1-216-025-11	RES-CHIP	100 5% 1/10W	R9181	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R9112	1-216-025-11	RES-CHIP	100 5% 1/10W	R9182	1-216-073-91	RES-CHIP	10K 5% 1/10W
R9113	1-216-033-00	RES-CHIP	220 5% 1/10W	R9183	1-216-025-11	RES-CHIP	100 5% 1/10W
R9114	1-216-083-00	RES-CHIP	27K 5% 1/10W	R9184	1-216-025-11	RES-CHIP	100 5% 1/10W
				R9185	1-216-073-91	RES-CHIP	10K 5% 1/10W
R9115	1-216-081-00	RES-CHIP	22K 5% 1/10W	R9186	1-216-025-11	RES-CHIP	100 5% 1/10W
R9116	1-216-073-91	RES-CHIP	10K 5% 1/10W	R9187	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R9117	1-216-073-91	RES-CHIP	10K 5% 1/10W	R9188	1-216-025-11	RES-CHIP	100 5% 1/10W
R9118	1-216-025-11	RES-CHIP	100 5% 1/10W	R9189	1-216-025-11	RES-CHIP	100 5% 1/10W
R9119	1-216-073-91	RES-CHIP	10K 5% 1/10W				
				R9190	1-216-073-91	RES-CHIP	10K 5% 1/10W
R9120	1-216-073-91	RES-CHIP	10K 5% 1/10W	R9191	1-216-025-11	RES-CHIP	100 5% 1/10W
R9121	1-216-017-91	RES-CHIP	47 5% 1/10W	R9192	1-216-025-11	RES-CHIP	100 5% 1/10W
R9122	1-216-049-11	RES-CHIP	1K 5% 1/10W	R9193	1-216-097-11	RES-CHIP	100K 5% 1/10W
R9123	1-216-073-91	RES-CHIP	10K 5% 1/10W	R9194	1-216-097-11	RES-CHIP	100K 5% 1/10W
R9124	1-216-025-11	RES-CHIP	100 5% 1/10W				
				R9195	1-216-097-11	RES-CHIP	100K 5% 1/10W
R9125	1-216-025-11	RES-CHIP	100 5% 1/10W	R9196	1-216-073-91	RES-CHIP	10K 5% 1/10W
R9126	1-216-295-91	SHORT	0	R9197	1-216-081-00	RES-CHIP	22K 5% 1/10W
R9127	1-216-049-11	RES-CHIP	1K 5% 1/10W	R9198	1-216-017-91	RES-CHIP	47 5% 1/10W
R9128	1-249-411-11	CARBON	330 5% 1/4W	R9199	1-216-017-91	RES-CHIP	47 5% 1/10W
R9129	1-216-065-91	RES-CHIP	4.7K 5% 1/10W				
				R9201	1-216-025-11	RES-CHIP	100 5% 1/10W
R9130	1-216-097-11	RES-CHIP	100K 5% 1/10W	R9202	1-216-025-11	RES-CHIP	100 5% 1/10W
R9131	1-216-065-91	RES-CHIP	4.7K 5% 1/10W	R9203	1-216-017-91	RES-CHIP	47 5% 1/10W
R9132	1-216-025-11	RES-CHIP	100 5% 1/10W	R9204	1-216-017-91	RES-CHIP	47 5% 1/10W
R9133	1-216-033-00	RES-CHIP	220 5% 1/10W	R9501	1-216-017-91	RES-CHIP	47 5% 1/10W
R9134	1-216-025-11	RES-CHIP	100 5% 1/10W				
				R9502	1-216-295-91	SHORT	0
R9135	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R9504	1-216-041-00	RES-CHIP	470 5% 1/10W
R9136	1-216-073-91	RES-CHIP	10K 5% 1/10W	R9505	1-216-051-00	RES-CHIP	1.2K 5% 1/10W
R9137	1-216-073-91	RES-CHIP	10K 5% 1/10W	R9506	1-216-073-91	RES-CHIP	10K 5% 1/10W
R9138	1-216-049-11	RES-CHIP	1K 5% 1/10W	R9507	1-216-097-11	RES-CHIP	100K 5% 1/10W
R9139	1-216-073-91	RES-CHIP	10K 5% 1/10W				
				R9508	1-216-295-91	SHORT	0
R9141	1-216-049-11	RES-CHIP	1K 5% 1/10W	R9509	1-216-049-11	RES-CHIP	1K 5% 1/10W
R9142	1-216-041-00	RES-CHIP	470 5% 1/10W	R9510	1-216-041-00	RES-CHIP	470 5% 1/10W
R9143	1-216-049-11	RES-CHIP	1K 5% 1/10W	R9511	1-216-049-11	RES-CHIP	1K 5% 1/10W
R9145	1-216-049-11	RES-CHIP	1K 5% 1/10W	R9512	1-216-041-00	RES-CHIP	470 5% 1/10W
R9146	1-216-049-11	RES-CHIP	1K 5% 1/10W				
				R9513	1-216-041-00	RES-CHIP	470 5% 1/10W
R9148	1-216-073-91	RES-CHIP	10K 5% 1/10W	R9514	1-216-017-91	RES-CHIP	47 5% 1/10W
R9149	1-216-025-11	RES-CHIP	100 5% 1/10W	R9518	1-216-049-11	RES-CHIP	1K 5% 1/10W
R9150	1-216-025-11	RES-CHIP	100 5% 1/10W	R9519	1-216-039-00	RES-CHIP	390 5% 1/10W
R9151	1-216-295-91	SHORT	0	R9520	1-216-039-00	RES-CHIP	390 5% 1/10W
R9153	1-216-025-11	RES-CHIP	100 5% 1/10W				
				R9521	1-216-039-00	RES-CHIP	390 5% 1/10W
R9157	1-216-295-91	SHORT	0	R9522	1-216-017-91	RES-CHIP	47 5% 1/10W
R9159	1-216-069-00	RES-CHIP	6.8K 5% 1/10W	R9523	1-216-017-91	RES-CHIP	47 5% 1/10W
R9161	1-216-069-00	RES-CHIP	6.8K 5% 1/10W	R9524	1-216-017-91	RES-CHIP	47 5% 1/10W
R9162	1-216-069-00	RES-CHIP	6.8K 5% 1/10W	R9525	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R9164	1-216-069-00	RES-CHIP	6.8K 5% 1/10W				
				R9526	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R9166	1-216-073-91	RES-CHIP	10K 5% 1/10W	R9527	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R9168	1-216-069-00	RES-CHIP	6.8K 5% 1/10W	R9528	1-216-025-11	RES-CHIP	100 5% 1/10W
R9169	1-216-069-00	RES-CHIP	6.8K 5% 1/10W	R9529	1-216-025-11	RES-CHIP	100 5% 1/10W
R9172	1-216-069-00	RES-CHIP	6.8K 5% 1/10W	R9530	1-216-025-11	RES-CHIP	100 5% 1/10W
R9173	1-216-295-91	SHORT	0				



REF.NO.	PART NO.	DESCRIPTION	REMARK			REF.NO.	PART NO.	DESCRIPTION	REMARK		
R9531	1-216-295-91	SHORT	0			R9787	1-216-073-91	RES-CHIP	10K	5%	1/10W
R9532	1-216-295-91	SHORT	0			R9788	1-216-025-11	RES-CHIP	100	5%	1/10W
R9701	1-216-295-91	SHORT	0			R9789	1-216-025-11	RES-CHIP	100	5%	1/10W
R9702	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R9792	1-216-073-91	RES-CHIP	10K	5%	1/10W
R9703	1-216-065-91	RES-CHIP	4.7K	5%	1/10W						
						R9794	1-216-025-11	RES-CHIP	100	5%	1/10W
R9704	1-216-065-91	RES-CHIP	4.7K	5%	1/10W						
R9705	1-216-065-91	RES-CHIP	4.7K	5%	1/10W						
R9706	1-216-025-11	RES-CHIP	100	5%	1/10W			< NETWORK RESISTOR >			
R9707	1-216-025-11	RES-CHIP	100	5%	1/10W						
R9708	1-216-025-11	RES-CHIP	100	5%	1/10W	RB9101	1-239-412-11	NETWORK RESISTOR (CHIP)	100		
R9709	1-216-025-11	RES-CHIP	100	5%	1/10W						
R9710	1-216-073-91	RES-CHIP	10K	5%	1/10W			< CRYSTAL >			
R9711	1-216-065-91	RES-CHIP	4.7K	5%	1/10W						
R9712	1-216-025-11	RES-CHIP	100	5%	1/10W	X9101	1-781-107-21	VIBRATOR, CERAMIC (16 MHz)			
R9713	1-216-025-11	RES-CHIP	100	5%	1/10W	X9500	1-760-551-21	VIBRATOR, CERAMIC (20.48MHz)			
						X9701	1-760-014-11	VIBRATOR, CERAMIC (20MHz)			

R9714	1-216-025-11	RES-CHIP	100	5%	1/10W						
R9715	1-216-025-11	RES-CHIP	100	5%	1/10W						
R9717	1-216-025-11	RES-CHIP	100	5%	1/10W			* A-1300-221-A S BOARD, COMPLETE			
R9718	1-216-025-11	RES-CHIP	100	5%	1/10W			*****			
R9719	1-216-025-11	RES-CHIP	100	5%	1/10W						
R9723	1-216-295-91	SHORT	0								
R9724	1-216-295-91	SHORT	0					< CAPACITOR >			
R9726	1-216-025-11	RES-CHIP	100	5%	1/10W						
R9727	1-216-025-11	RES-CHIP	100	5%	1/10W	C4701	1-163-251-11	CERAMIC CHIP	100pF	5%	50V
R9733	1-216-073-91	RES-CHIP	10K	5%	1/10W	C4702	1-163-241-11	CERAMIC CHIP	39pF	5%	50V
						C4708	1-163-087-00	CERAMIC CHIP	4pF	0.25pF	50V
R9734	1-216-033-00	RES-CHIP	220	5%	1/10W	C4709	1-163-087-00	CERAMIC CHIP	4pF	0.25pF	50V
R9735	1-216-073-91	RES-CHIP	10K	5%	1/10W	C4710	1-126-947-11	ELECT	47μF	20%	16V
R9737	1-216-073-91	RES-CHIP	10K	5%	1/10W						
R9739	1-216-081-00	RES-CHIP	22K	5%	1/10W	C4711	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
R9740	1-216-033-00	RES-CHIP	220	5%	1/10W	C4712	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
						C4713	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
R9749	1-216-049-11	RES-CHIP	1K	5%	1/10W	C4714	1-163-243-11	CERAMIC CHIP	47pF	5%	50V
R9751	1-216-049-11	RES-CHIP	1K	5%	1/10W	C4715	1-163-243-11	CERAMIC CHIP	47pF	5%	50V
R9752	1-216-033-00	RES-CHIP	220	5%	1/10W						
R9753	1-216-017-91	RES-CHIP	47	5%	1/10W	C4716	1-163-243-11	CERAMIC CHIP	47pF	5%	50V
R9754	1-216-017-91	RES-CHIP	47	5%	1/10W	C4717	1-11				



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C4748	1-164-161-11	CERAMIC CHIP 0.0022μF	10% 50V	R4703	1-216-049-11	RES-CHIP 1K	5% 1/10W
C4749	1-107-823-11	CERAMIC CHIP 0.47μF	10% 16V	R4704	1-216-069-00	RES-CHIP 6.8K	5% 1/10W
C4751	1-107-823-11	CERAMIC CHIP 0.47μF	10% 16V	R4706	1-216-049-11	RES-CHIP 1K	5% 1/10W
C4752	1-107-823-11	CERAMIC CHIP 0.47μF	10% 16V	R4707	1-216-037-00	RES-CHIP 330	5% 1/10W
C4766	1-164-161-11	CERAMIC CHIP 0.0022μF	10% 50V	R4709	1-216-295-91	SHORT 0	
C4767	1-163-007-11	CERAMIC CHIP 680pF	10% 50V	R4710	1-216-025-11	RES-CHIP 100	5% 1/10W
				R4711	1-216-025-11	RES-CHIP 100	5% 1/10W
C4768	1-164-161-11	CERAMIC CHIP 0.0022μF	10% 50V	R4712	1-216-025-11	RES-CHIP 100	5% 1/10W
C4769	1-163-007-11	CERAMIC CHIP 680pF	10% 50V				
	< FILTER >			R4715	1-216-025-11	RES-CHIP 100	5% 1/10W
CF4701	1-781-328-21	TRAP, CERAMIC (6.5MHz)		R4720	1-216-295-91	SHORT 0	
	< CONNECTOR >			R4725	1-216-025-11	RES-CHIP 100	5% 1/10W
CN4701	1-695-301-11	CONNECTOR, BOARD TO BOARD 40P		R4726	1-216-295-91	SHORT 0	
	< DIODE >			R4727	1-216-025-11	RES-CHIP 100	5% 1/10W
D4701	8-719-047-16	DIODE BAS216		R4730	1-216-081-00	RES-CHIP 22K	5% 1/10W
D4702	8-719-083-82	DIODE UDZS-TE17-12B		R4731	1-216-049-11	RES-CHIP 1K	5% 1/10W
D4703	8-719-083-82	DIODE UDZS-TE17-12B		R4732	1-216-025-11	RES-CHIP 100	5% 1/10W
D4704	8-719-047-16	DIODE BAS216		R4733	1-216-025-11	RES-CHIP 100	5% 1/10W
	< FERRITE BEAD >			R4734	1-216-067-00	RES-CHIP 5.6K	5% 1/10W
FB4701	1-414-235-22	FERRITE 0μH		R4738	1-216-295-91	SHORT 0	
	< FILTER >			R4739	1-216-295-91	SHORT 0	
FL4701	1-233-764-21	FILTER		R4740	1-216-295-91	SHORT 0	
FL4704	1-236-071-11	ENCAPSULATED COMPONENT		R4742	1-216-025-11	RES-CHIP 100	5% 1/10W
FL4705	1-236-071-11	ENCAPSULATED COMPONENT		R4743	1-216-025-11	RES-CHIP 100	5% 1/10W
	< IC >			R4744	1-216-295-91	SHORT 0	
IC4702	6-701-031-01	IC MSP3411G-QA-B10		R4746	1-216-295-91	SHORT 0	
IC4703	8-759-701-36	IC NJM3403AM		R4747	1-216-063-91	RES-CHIP 3.9K	5% 1/10W
	< COIL >			R4748	1-216-069-00	RES-CHIP 6.8K	5% 1/10W
L4701	1-414-183-41	INDUCTOR 10μH		R4749	1-216-089-91	RES-CHIP 47K	5% 1/10W
L4702	1-414-189-31	INDUCTOR 100μH					
	< TRANSISTOR >			R4750	1-216-089-91	RES-CHIP 47K	5% 1/10W
Q4701	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R4751	1-216-081-00	RES-CHIP 22K	5% 1/10W
Q4702	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R4752	1-216-043-91	RES-CHIP 560	5% 1/10W
Q4703	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R4753	1-216-089-91	RES-CHIP 47K	5% 1/10W
Q4711	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R4757	1-216-089-91	RES-CHIP 47K	5% 1/10W
Q4712	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R					
	< RESISTOR >			R4758	1-216-089-91	RES-CHIP 47K	5% 1/10W
R4701	1-216-069-00	RES-CHIP 6.8K	5% 1/10W	R4759	1-216-089-91	RES-CHIP 47K	5% 1/10W
R4702	1-216-049-11	RES-CHIP 1K	5% 1/10W	R4760	1-216-089-91	RES-CHIP 47K	5% 1/10W
	< CAPACITOR >			R4761	1-216-089-91	RES-CHIP 47K	5% 1/10W
C8301	1-163-037-11	CERAMIC CHIP 0.022μF	10% 50V	R4797	1-216-065-91	RES-CHIP 4.7K	5% 1/10W
C8302	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V				
	< CRYSTAL >			R4798	1-216-065-91	RES-CHIP 4.7K	5% 1/10W
X4701	1-781-148-21	VIBRATOR, CRYSTAL (18.432MHz)		R4799	1-216-065-91	RES-CHIP 4.7K	5% 1/10W
	*****			R4800	1-216-065-91	RES-CHIP 4.7K	5% 1/10W
	* A-1300-222-A J BOARD, COMPLETE			R4801	1-216-065-91	RES-CHIP 4.7K	5% 1/10W
	*****			R4802	1-216-065-91	RES-CHIP 4.7K	5% 1/10W



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C8303	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	C8422	1-126-935-11	ELECT 470μF	20% 16V
C8305	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C8423	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V
C8306	1-107-823-11	CERAMIC CHIP 0.47μF	10% 16V				
C8308	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	C8424	1-115-340-11	CERAMIC CHIP 0.22μF	10% 25V
C8309	1-126-961-11	ELECT 2.2μF	20% 50V	C8425	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
C8310	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	C8427	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V
C8311	1-126-947-11	ELECT 47μF	20% 16V	C8431	1-107-715-11	ELECT 22μF	20% 25V
C8312	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	C8432	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
C8313	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C8433	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
C8314	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C8437	1-126-963-11	ELECT 4.7μF	20% 50V
C8318	1-126-947-11	ELECT 47μF	20% 16V	C8441	1-163-227-11	CERAMIC CHIP 10pF	0.5pF 50V
C8319	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	C8442	1-163-227-11	CERAMIC CHIP 10pF	0.5pF 50V
C8321	1-126-786-11	ELECT 47μF	20% 16V	C8444	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
C8322	1-163-227-11	CERAMIC CHIP 10pF	0.5pF 50V	C8445	1-163-117-00	CERAMIC CHIP 100pF	5% 50V
C8323	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	C8446	1-163-117-00	CERAMIC CHIP 100pF	5% 50V
C8324	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	C8447	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
C8325	1-126-795-11	ELECT 10μF	20% 50V	C8448	1-126-382-11	ELECT 100μF	20% 16V
C8327	1-107-682-11	CERAMIC CHIP 1μF	10% 16V	C8449	1-126-933-11	ELECT 100μF	20% 16V
C8329	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C8450	1-126-935-11	ELECT 470μF	20% 16V
C8331	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C8451	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
C8335	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C8452	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
C8336	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	C8453	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
C8337	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	C8454	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
C8338	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	C8455	1-126-795-11	ELECT 10μF	20% 50V
C8345	1-107-682-11	CERAMIC CHIP 1μF	10% 16V	C8456	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
C8346	1-126-963-11	ELECT 4.7μF	20% 50V	C8457	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
C8347	1-115-340-11	CERAMIC CHIP 0.22μF	10% 25V	C8458	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
C8348	1-115-340-11	CERAMIC CHIP 0.22μF	10% 25V	C8459	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
C8349	1-126-786-11	ELECT 47μF	20% 16V	C8460	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
C8350	1-115-340-11	CERAMIC CHIP 0.22μF	10% 25V	C8461	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
C8351	1-115-340-11	CERAMIC CHIP 0.22μF	10% 25V	C8463	1-126-786-11	ELECT 47μF	20% 16V
C8352	1-126-947-11	ELECT 47μF	20% 16V	C8464	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
C8353	1-164-346-11	CERAMIC CHIP 1μF	16V	C8465	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
C8354	1-164-346-11	CERAMIC CHIP 1μF	16V	C8466	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V
C8355	1-126-935-11	ELECT 470μF	20% 16V	C8468	1-163-251-11	CERAMIC CHIP 100pF	5% 50V
C8356	1-126-382-11	ELECT 100μF	20% 16V	C8470	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
C8357	1-126-933-11	ELECT 100μF	20% 16V	C8479	1-164-505-11	CERAMIC CHIP 2.2μF	16V
C8358	1-126-933-11	ELECT 100μF	20% 16V	C8486	1-164-505-11	CERAMIC CHIP 2.2μF	16V
C8359	1-126-382-11	ELECT 100μF	20% 16V	C8491	1-164-505-11	CERAMIC CHIP 2.2μF	16V
C8360	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	C8492	1-164-505-11	CERAMIC CHIP 2.2μF	16V
C8361	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	C8493	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
C8401	1-107-823-11	CERAMIC CHIP 0.47μF	10% 16V	C8494	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
C8402	1-163-037-11	CERAMIC CHIP 0.022μF	10% 50V	C8495	1-126-964-11	ELECT 10μF	20% 50V
C8403	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C8497	1-126-947-11	ELECT 47μF	20% 16V
C8404	1-126-961-11	ELECT 2.2μF	20% 50V	C8501	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V
C8405	1-126-947-11	ELECT 47μF	20% 16V	C8502	1-126-786-11	ELECT 47μF	20% 16V
C8406	1-126-947-11	ELECT 47μF	20% 16V	C8503	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
C8408	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	C8504	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
C8410	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C8505	1-126-382-11	ELECT 100μF	20% 16V
C8411	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C8506	1-163-037-11	CERAMIC CHIP 0.022μF	10% 50V
C8414	1-126-947-11	ELECT 47μF	20% 16V	C8507	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
C8415	1-163-227-11	CERAMIC CHIP 10pF	0.5pF 50V	C8508	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
C8416	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C8509	1-126-933-11	ELECT 100μF	20% 16V
C8417	1-107-682-11	CERAMIC CHIP 1μF	10% 16V	C8510	1-126-947-11	ELECT 47μF	20% 16V
C8418	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	C8511	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
C8419	1-126-964-11	ELECT 10μF	20% 50V	C8512	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
				C8513	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C8514	1-117-720-11	CERAMIC CHIP 4.7μF	10V	C8814	1-126-235-11	ELECT 100μF	20% 16V
C8515	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	C8817	1-163-249-11	CERAMIC CHIP 82pF	5% 50V
C8516	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	C8818	1-163-227-11	CERAMIC CHIP 10pF	0.5pF 50V
C8517	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	C8819	1-115-340-11	CERAMIC CHIP 0.22μF	10% 25V
C8518	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	C8820	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V
C8519	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	C8821	1-113-340-11	ELECT 47μF	20% 25V
C8520	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	C8823	1-126-933-11	ELECT 100μF	20% 16V
C8521	1-117-720-11	CERAMIC CHIP 4.7μF	10V	C8824	1-126-382-11	ELECT 100μF	20% 16V
C8524	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	C8825	1-126-933-11	ELECT 100μF	20% 16V
C8525	1-126-947-11	ELECT 47μF	20% 16V	C8900	1-163-251-11	CERAMIC CHIP 100pF	5% 50V
C8526	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	C8901	1-163-017-00	CERAMIC CHIP 0.0047μF	10% 50V
C8601	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	C8902	1-163-017-00	CERAMIC CHIP 0.0047μF	10% 50V
C8602	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	C8903	1-163-251-11	CERAMIC CHIP 100pF	5% 50V
C8603	1-126-947-11	ELECT 47μF	20% 16V	C8904	1-163-251-11	CERAMIC CHIP 100pF	5% 50V
C8604	1-126-947-11	ELECT 47μF	20% 16V	C8905	1-163-251-11	CERAMIC CHIP 100pF	5% 50V
C8605	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	C8906	1-163-017-00	CERAMIC CHIP 0.0047μF	10% 50V
C8606	1-126-947-11	ELECT 47μF	20% 16V	C8907	1-163-017-00	CERAMIC CHIP 0.0047μF	10% 50V
C8607	1-126-382-11	ELECT 100μF	20% 16V	C8908	1-163-251-11	CERAMIC CHIP 100pF	5% 50V
C8608	1-107-715-11	ELECT 22μF	20% 16V	C8909	1-163-017-00	CERAMIC CHIP 0.0047μF	10% 50V
C8609	1-115-340-11	CERAMIC CHIP 0.22μF	10% 25V	C8910	1-163-251-11	CERAMIC CHIP 100pF	5% 50V
C8613	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	C8911	1-163-017-00	CERAMIC CHIP 0.0047μF	10% 50V
C8614	1-115-340-11	CERAMIC CHIP 0.22μF	10% 25V	C8912	1-163-009-91	CERAMIC CHIP 0.001μF	10% 50V
C8615	1-163-237-11	CERAMIC CHIP 27pF	5% 50V	C8913	1-163-009-91	CERAMIC CHIP 0.001μF	10% 50V
C8616	1-126-947-11	ELECT 47μF	20% 16V	C8914	1-126-947-11	ELECT 47μF	20% 16V
C8618	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	C8915	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
C8620	1-126-947-11	ELECT 47μF	20% 16V	C8916	1-126-933-11	ELECT 100μF	20% 16V
C8621	1-126-947-11	ELECT 47μF	20% 16V	C8917	1-163-251-11	CERAMIC CHIP 100pF	5% 50V
C8622	1-115-340-11	CERAMIC CHIP 0.22μF	10% 25V	C8918	1-163-251-11	CERAMIC CHIP 100pF	5% 50V
C8623	1-126-947-11	ELECT 47μF	20% 16V	C8919	1-164-505-11	CERAMIC CHIP 2.2μF	16V
C8624	1-126-947-11	ELECT 47μF	20% 16V	C8920	1-164-505-11	CERAMIC CHIP 2.2μF	16V
C8625	1-115-340-11	CERAMIC CHIP 0.22μF	10% 25V	C8921	1-126-786-11	ELECT 47μF	20% 16V
C8627	1-115-340-11	CERAMIC CHIP 0.22μF	10% 25V	C8922	1-164-505-11	CERAMIC CHIP 2.2μF	16V
C8628	1-126-947-11	ELECT 47μF	20% 16V	C8923	1-126-786-11	ELECT 47μF	20% 16V
C8629	1-115-340-11	CERAMIC CHIP 0.22μF	10% 25V	C8924	1-164-505-11	CERAMIC CHIP 2.2μF	16V
C8631	1-126-786-11	ELECT 47μF	20% 16V	C8925	1-126-786-11	ELECT 47μF	20% 16V
C8632	1-126-947-11	ELECT 47μF	20% 16V	C8926	1-164-505-11	CERAMIC CHIP 2.2μF	16V
C8635	1-163-038-91	CERAMIC CHIP 0.1μF	25V	C8927	1-126-786-11	ELECT 47μF	20% 16V
C8636	1-107-823-11	CERAMIC CHIP 0.47μF	10% 16V	C8928	1-164-505-11	CERAMIC CHIP 2.2μF	16V
C8638	1-164-505-11	CERAMIC CHIP 2.2μF	16V	C8929	1-126-786-11	ELECT 47μF	20% 16V
C8639	1-164-690-91	CERAMIC CHIP 0.0022μF	5% 50V	C8930	1-164-505-11	CERAMIC CHIP 2.2μF	16V
C8640	1-163-229-11	CERAMIC CHIP 12pF	5% 50V	C8931	1-126-786-11	ELECT 47μF	20% 16V
C8700	1-126-964-11	ELECT 10μF	20% 50V	C8932	1-164-505-11	CERAMIC CHIP 2.2μF	16V
C8701	1-126-947-11	ELECT 47μF	20% 16V	C8933	1-163-241-11	CERAMIC CHIP 39pF	5% 50V
C8702	1-163-133-00	CERAMIC CHIP 470pF	5% 50V	C8934	1-163-241-11	CERAMIC CHIP 39pF	5% 50V
C8703	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	C8935	1-163-241-11	CERAMIC CHIP 39pF	5% 50V
C8704	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	< CONNECTOR >			
C8705	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	CN8101	1-695-302-11	CONNECTOR, BOARD TO BOARD 50P	
C8706	1-163-235-11	CERAMIC CHIP 22pF	5% 50V	CN8900	1-695-549-11	SOCKET, PIN 21P (AV1 IN/OUT)	
C8707	1-163-235-11	CERAMIC CHIP 22pF	5% 50V	CN8901	1-695-549-11	SOCKET, PIN 21P (AV2 IN/OUT)	
C8708	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	CN8902	1-695-549-11	SOCKET, PIN 21P (AV3 IN/OUT)	
C8709	1-126-795-11	ELECT 10μF	20% 50V	CN8903	*1-564-526-31	PLUG, CONNECTOR 11P	
C8710	1-126-933-11	ELECT 100μF	20% 16V				
C8807	1-163-249-11	CERAMIC CHIP 82pF	5% 50V				
C8808	1-163-227-11	CERAMIC CHIP 10pF	0.5pF 50V				
C8811	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V				
C8812	1-113-340-11	ELECT 47μF	20% 25V				



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
< DIODE >							
D8301	8-719-083-60	DIODE UDZSTE-174.7B		FL8502	1-233-765-21	FILTER	
D8302	8-719-083-60	DIODE UDZSTE-174.7B		FL8503	1-233-768-21	FILTER	
D8450	8-719-083-82	DIODE UDZS-TE17-12B		FL8504	1-233-766-21	FILTER	
D8451	8-719-083-82	DIODE UDZS-TE17-12B		FL8601	1-236-071-11	ENCAPSULATED COMPONENT	
D8601	8-719-041-97	DIODE MA113-(TX)		FL8602	1-233-877-11	FILTER, LOW PASS	
D8900	8-719-056-85	DIODE UDZ-TE-17- 8.2B		FL8603	1-233-504-21	FILTER, LOW PASS	
D8901	8-719-056-85	DIODE UDZ-TE-17- 8.2B		FL8604	1-233-504-21	FILTER, LOW PASS	
D8902	8-719-056-85	DIODE UDZ-TE-17- 8.2B		FL8700	1-236-071-11	ENCAPSULATED COMPONENT	
D8903	8-719-056-85	DIODE UDZ-TE-17- 8.2B		FL8701	1-236-071-11	ENCAPSULATED COMPONENT	
D8904	8-719-056-85	DIODE UDZ-TE-17- 8.2B		< IC >			
D8905	8-719-056-85	DIODE UDZ-TE-17- 8.2B		IC8301	8-752-096-08	IC CXA2123BQ-T6	
D8906	8-719-056-85	DIODE UDZ-TE-17- 8.2B		IC8302	8-759-242-76	IC TC7W08F	
D8907	8-719-083-82	DIODE UDZS-TE17-12B		IC8303	8-759-242-76	IC TC7W08F	
D8908	8-719-056-85	DIODE UDZ-TE-17- 8.2B		IC8304	8-759-576-72	IC LF50CDT-TR	
D8909	8-719-056-85	DIODE UDZ-TE-17- 8.2B		IC8305	8-759-576-72	IC LF50CDT-TR	
D8910	8-719-056-85	DIODE UDZ-TE-17- 8.2B		IC8401	8-752-096-08	IC CXA2123BQ-T6	
D8911	8-719-056-85	DIODE UDZ-TE-17- 8.2B		IC8451	8-752-096-83	IC CXA2149AQ-TL	
D8912	8-719-083-82	DIODE UDZS-TE17-12B		IC8452	8-759-576-76	IC TDA2822D013TR	
D8913	8-719-083-82	DIODE UDZS-TE17-12B		IC8500	8-752-390-37	IC CXD2064Q-T6	
D8914	8-719-083-82	DIODE UDZS-TE17-12B		IC8601	8-759-572-04	IC TDA9178T/N1.118	
D8915	8-719-083-82	DIODE UDZS-TE17-12B		IC8602	8-759-337-26	IC MM1115XFBE	
D8916	8-719-083-82	DIODE UDZS-TE17-12B		IC8700	8-752-390-35	IC CXD2057M-T6	
D8917	8-719-083-82	DIODE UDZS-TE17-12B		< JACK >			
D8918	8-719-978-33	DIODE DTZ-TT11-6.8B		J8901	1-565-838-11	JACK BLOCK, PIN 2P (VARIABLE OUT)	
D8919	8-719-978-33	DIODE DTZ-TT11-6.8B		< COIL >			
D8920	8-719-978-33	DIODE DTZ-TT11-6.8B		L8101	1-402-711-11	INDUCTOR 0μH	
D8921	8-719-978-33	DIODE DTZ-TT11-6.8B		L8102	1-402-711-11	INDUCTOR 0μH	
D8922	8-719-083-82	DIODE UDZS-TE17-12B		L8454	1-412-533-21	INDUCTOR 47μH	
D8923	8-719-083-82	DIODE UDZS-TE17-12B		L8455	1-412-533-21	INDUCTOR 47μH	
D8924	8-719-083-82	DIODE UDZS-TE17-12B		L8552	1-414-234-22	FERRITE 0μH	
D8925	8-719-083-82	DIODE UDZS-TE17-12B		L8601	1-414-234-22	FERRITE 0μH	
D8926	8-719-083-82	DIODE UDZS-TE17-12B		L8602	1-414-187-11	INDUCTOR 47μH	
D8927	8-719-083-82	DIODE UDZS-TE17-12B		L8604	1-414-182-11	INDUCTOR 6.8μH	
D8928	8-719-083-82	DIODE UDZS-TE17-12B		L8606	1-414-234-22	FERRITE 0μH	
D8929	8-719-083-82	DIODE UDZS-TE17-12B		L8607	1-414-234-22	FERRITE 0μH	
D8930	8-719-083-82	DIODE UDZS-TE17-12B		L8804	1-414-234-22	FERRITE 0μH	
D8931	8-719-083-82	DIODE UDZS-TE17-12B		L8805	1-414-234-22	FERRITE 0μH	
D8932	8-719-083-82	DIODE UDZS-TE17-12B		L8806	1-414-234-22	FERRITE 0μH	
D8933	8-719-083-82	DIODE UDZS-TE17-12B		L8919	1-414-234-22	FERRITE 0μH	
D8934	8-719-056-85	DIODE UDZ-TE-17- 8.2B		< TRANSISTOR >			
D8935	8-719-056-85	DIODE UDZ-TE-17- 8.2B		Q8301	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
D8936	8-719-056-85	DIODE UDZ-TE-17- 8.2B		Q8302	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
< FILTER >				Q8309	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
FL8302	1-236-071-11	ENCAPSULATED COMPONENT		Q8311	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
FL8303	1-236-071-11	ENCAPSULATED COMPONENT		Q8451	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
FL8304	1-236-071-11	ENCAPSULATED COMPONENT		Q8452	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
FL8401	1-236-071-11	ENCAPSULATED COMPONENT		Q8501	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
FL8402	1-236-071-11	ENCAPSULATED COMPONENT		Q8502	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
FL8403	1-236-071-11	ENCAPSULATED COMPONENT					
FL8451	1-236-071-11	ENCAPSULATED COMPONENT					
FL8452	1-236-071-11	ENCAPSULATED COMPONENT					
FL8500	1-236-071-11	ENCAPSULATED COMPONENT					
FL8501	1-236-071-11	ENCAPSULATED COMPONENT					



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
Q8503	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R8303	1-216-295-91	SHORT	0
Q8504	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R8305	1-216-049-11	RES-CHIP	1K 5% 1/10W
Q8601	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R8306	1-216-083-00	RES-CHIP	27K 5% 1/10W
Q8602	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R8307	1-216-295-91	SHORT	0
Q8603	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R8309	1-216-049-11	RES-CHIP	1K 5% 1/10W
Q8604	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R8315	1-216-295-91	SHORT	0
Q8605	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R8316	1-216-295-91	SHORT	0
Q8606	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R8317	1-216-295-91	SHORT	0
Q8607	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R8318	1-216-295-91	SHORT	0
Q8609	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R8319	1-216-295-91	SHORT	0
Q8610	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R8321	1-216-295-91	SHORT	0
Q8611	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R8323	1-216-017-91	RES-CHIP	47 5% 1/10W
Q8612	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R8326	1-216-017-91	RES-CHIP	47 5% 1/10W
Q8614	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R8327	1-216-121-11	RES-CHIP	1M 5% 1/10W
Q8615	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R8328	1-216-025-11	RES-CHIP	100 5% 1/10W
Q8616	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R8329	1-216-025-11	RES-CHIP	100 5% 1/10W
Q8620	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R8336	1-216-025-11	RES-CHIP	100 5% 1/10W
Q8621	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R8338	1-216-017-91	RES-CHIP	47 5% 1/10W
Q8623	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R8339	1-216-017-91	RES-CHIP	47 5% 1/10W
Q8624	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R8340	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
Q8625	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R8342	1-216-295-91	SHORT	0
Q8626	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R8401	1-216-295-91	SHORT	0
Q8627	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R8402	1-216-295-91	SHORT	0
Q8628	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R8403	1-216-083-00	RES-CHIP	27K 5% 1/10W
Q8629	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R8405	1-216-063-91	RES-CHIP	3.9K 5% 1/10W
Q8630	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R8406	1-216-017-91	RES-CHIP	47 5% 1/10W
Q8631	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R8407	1-216-071-00	RES-CHIP	8.2K 5% 1/10W
Q8632	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R8409	1-216-017-91	RES-CHIP	47 5% 1/10W
Q8633	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R8410	1-216-025-11	RES-CHIP	100 5% 1/10W
Q8634	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R8411	1-216-071-00	RES-CHIP	8.2K 5% 1/10W
Q8635	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R8412	1-216-025-11	RES-CHIP	100 5% 1/10W
Q8636	1-801-806-11	TRANSISTOR DTC144EKA		R8413	1-216-025-11	RES-CHIP	100 5% 1/10W
Q8637	1-801-806-11	TRANSISTOR DTC144EKA		R8414	1-216-025-11	RES-CHIP	100 5% 1/10W
Q8638	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R8415	1-216-025-11	RES-CHIP	100 5% 1/10W
Q8639	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R8416	1-216-295-91	SHORT	0
Q8640	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R8417	1-216-295-91	SHORT	0
Q8700	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R8418	1-216-295-91	SHORT	0
Q8801	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R8419	1-216-025-11	RES-CHIP	100 5% 1/10W
Q8804	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R8426	1-216-017-91	RES-CHIP	47 5% 1/10W
Q8807	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R8427	1-216-017-91	RES-CHIP	47 5% 1/10W
Q8809	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R8428	1-216-017-91	RES-CHIP	47 5% 1/10W
Q8810	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R8429	1-216-295-91	SHORT	0
Q8811	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R8430	1-216-089-91	RES-CHIP	47K 5% 1/10W
Q8813	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R8431	1-216-089-91	RES-CHIP	47K 5% 1/10W
Q8901	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R8432	1-216-081-00	RES-CHIP	22K 5% 1/10W
Q8902	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R8433	1-216-081-00	RES-CHIP	22K 5% 1/10W
Q8903	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R8434	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
Q8904	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R8435	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
Q8905	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R8436	1-216-308-00	RES-CHIP	4.7 5% 1/10W
Q8906	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R8437	1-216-308-00	RES-CHIP	4.7 5% 1/10W
				R8438	1-216-033-00	RES-CHIP	220 5% 1/10W
				R8439	1-216-033-00	RES-CHIP	220 5% 1/10W
< RESISTOR >				R8440	1-216-295-91	SHORT	0
R8300	1-216-295-91	SHORT	0	R8441	1-216-295-91	SHORT	0
R8301	1-216-025-11	RES-CHIP	100 5% 1/10W	R8450	1-216-295-91	SHORT	0
R8302	1-216-017-91	RES-CHIP	47 5% 1/10W	R8451	1-216-093-91	RES-CHIP	68K 5% 1/10W



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R8452	1-216-093-91	RES-CHIP	68K 5% 1/10W	R8604	1-216-041-00	RES-CHIP	470 5% 1/10W
R8453	1-208-820-11	METAL CHIP	39K 0.5% 1/10W	R8605	1-216-081-00	RES-CHIP	22K 5% 1/10W
R8454	1-208-776-11	METAL CHIP	560 0.5% 1/10W	R8606	1-216-025-11	RES-CHIP	100 5% 1/10W
R8455	1-208-776-11	METAL CHIP	560 0.5% 1/10W	R8607	1-216-043-91	RES-CHIP	560 5% 1/10W
R8458	1-216-033-00	RES-CHIP	220 5% 1/10W	R8608	1-216-081-00	RES-CHIP	22K 5% 1/10W
R8459	1-216-033-00	RES-CHIP	220 5% 1/10W				
R8466	1-216-025-11	RES-CHIP	100 5% 1/10W	R8609	1-216-041-00	RES-CHIP	470 5% 1/10W
R8467	1-216-025-11	RES-CHIP	100 5% 1/10W	R8610	1-216-089-91	RES-CHIP	47K 5% 1/10W
R8468	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R8611	1-216-041-00	RES-CHIP	470 5% 1/10W
R8469	1-216-017-91	RES-CHIP	47 5% 1/10W	R8612	1-216-025-11	RES-CHIP	100 5% 1/10W
R8470	1-216-022-00	RES-CHIP	75 5% 1/10W	R8613	1-216-025-11	RES-CHIP	100 5% 1/10W
R8474	1-216-017-91	RES-CHIP	47 5% 1/10W	R8614	1-216-295-91	SHORT	0
R8475	1-216-022-00	RES-CHIP	75 5% 1/10W	R8616	1-216-295-91	SHORT	0
R8477	1-216-089-91	RES-CHIP	47K 5% 1/10W	R8617	1-216-641-11	METAL CHIP	390 0.5% 1/10W
R8478	1-216-689-11	RES-CHIP	39K 5% 1/10W	R8618	1-208-778-11	METAL CHIP	680 0.5% 1/10W
R8479	1-216-295-91	SHORT	0	R8619	1-216-295-91	SHORT	0
R8481	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R8621	1-216-025-11	RES-CHIP	100 5% 1/10W
R8482	1-216-029-00	RES-CHIP	150 5% 1/10W	R8622	1-216-013-00	RES-CHIP	33 5% 1/10W
R8483	1-216-029-00	RES-CHIP	150 5% 1/10W	R8623	1-216-081-00	RES-CHIP	22K 5% 1/10W
R8484	1-216-029-00	RES-CHIP	150 5% 1/10W	R8624	1-216-041-00	RES-CHIP	470 5% 1/10W
R8485	1-216-029-00	RES-CHIP	150 5% 1/10W	R8625	1-216-689-11	RES-CHIP	39K 5% 1/10W
R8501	1-216-093-91	RES-CHIP	68K 5% 1/10W	R8626	1-216-041-00	RES-CHIP	470 5% 1/10W
R8502	1-216-083-00	RES-CHIP	27K 5% 1/10W	R8627	1-216-041-00	RES-CHIP	470 5% 1/10W
R8503	1-216-295-91	SHORT	0	R8628	1-216-689-11	RES-CHIP	39K 5% 1/10W
R8504	1-216-049-11	RES-CHIP	1K 5% 1/10W	R8629	1-216-041-00	RES-CHIP	470 5% 1/10W
R8505	1-216-295-91	SHORT	0	R8630	1-216-025-11	RES-CHIP	100 5% 1/10W
R8506	1-216-091-00	RES-CHIP	56K 5% 1/10W	R8631	1-216-295-91	SHORT	0
R8507	1-216-295-91	SHORT	0	R8632	1-216-049-11	RES-CHIP	1K 5% 1/10W
R8508	1-216-043-91	RES-CHIP	560 5% 1/10W	R8633	1-216-041-00	RES-CHIP	470 5% 1/10W
R8509	1-208-776-11	METAL CHIP	560 0.5% 1/10W	R8634	1-216-041-00	RES-CHIP	470 5% 1/10W
R8510	1-208-800-11	METAL CHIP	5.6K 0.5% 1/10W	R8635	1-216-085-91	RES-CHIP	33K 5% 1/10W
R8512	1-216-295-91	SHORT	0	R8636	1-216-041-00	RES-CHIP	470 5% 1/10W
R8514	1-216-017-91	RES-CHIP	47 5% 1/10W	R8640	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R8517	1-216-295-91	SHORT	0	R8642	1-216-051-00	RES-CHIP	1.2K 5% 1/10W
R8519	1-208-770-11	METAL CHIP	330 0.5% 1/10W	R8644	1-216-041-00	RES-CHIP	470 5% 1/10W
R8520	1-216-041-00	RES-CHIP	470 5% 1/10W	R8645	1-216-091-00	RES-CHIP	56K 5% 1/10W
R8521	1-216-061-91	RES-CHIP	3.3K 5% 1/10W	R8646	1-216-295-91	SHORT	0
R8522	1-216-041-00	RES-CHIP	470 5% 1/10W	R8647	1-216-025-11	RES-CHIP	100 5% 1/10W
R8523	1-216-033-00	RES-CHIP	220 5% 1/10W	R8648	1-216-025-11	RES-CHIP	100 5% 1/10W
R8524	1-216-295-91	SHORT	0	R8649	1-216-079-00	RES-CHIP	18K 5% 1/10W
R8526	1-216-061-91	RES-CHIP	3.3K 5% 1/10W	R8650	1-216-295-91	SHORT	0
R8527	1-216-047-91	RES-CHIP	820 5% 1/10W	R8652	1-216-037-00	RES-CHIP	330 5% 1/10W
R8528	1-216-047-91	RES-CHIP	820 5% 1/10W	R8653	1-216-041-00	RES-CHIP	470 5% 1/10W
R8529	1-216-055-00	RES-CHIP	1.8K 5% 1/10W	R8654	1-216-067-00	RES-CHIP	5.6K 5% 1/10W
R8530	1-216-051-00	RES-CHIP	1.2K 5% 1/10W	R8655	1-216-051-00	RES-CHIP	1.2K 5% 1/10W
R8531	1-216-053-00	RES-CHIP	1.5K 5% 1/10W	R8659	1-216-091-00	RES-CHIP	56K 5% 1/10W
R8532	1-216-649-11	METAL CHIP	820 0.5% 1/10W	R8660	1-216-081-00	RES-CHIP	22K 5% 1/10W
R8533	1-208-782-11	METAL CHIP	1K 0.5% 1/10W	R8661	1-216-051-00	RES-CHIP	1.2K 5% 1/10W
R8534	1-208-750-11	METAL CHIP	47 0.5% 1/10W	R8664	1-216-051-00	RES-CHIP	1.2K 5% 1/10W
R8535	1-216-295-91	SHORT	0	R8665	1-216-061-91	RES-CHIP	3.3K 5% 1/10W
R8536	1-216-295-91	SHORT	0	R8666	1-216-295-91	SHORT	0
R8537	1-216-295-91	SHORT	0	R8667	1-216-043-91	RES-CHIP	560 5% 1/10W
R8600	1-216-295-91	SHORT	0	R8670	1-216-039-00	RES-CHIP	390 5% 1/10W
R8601	1-216-091-00	RES-CHIP	56K 5% 1/10W	R8671	1-216-091-00	RES-CHIP	56K 5% 1/10W
R8602	1-216-295-91	SHORT	0	R8672	1-216-295-91	SHORT	0
R8603	1-216-051-00	RES-CHIP	1.2K 5% 1/10W	R8673	1-216-079-00	RES-CHIP	18K 5% 1/10W



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R8675	1-216-037-00	RES-CHIP	330 5% 1/10W	R8804	1-216-033-00	RES-CHIP	220 5% 1/10W
R8676	1-216-295-91	SHORT	0	R8805	1-216-059-00	RES-CHIP	2.7K 5% 1/10W
R8677	1-216-041-00	RES-CHIP	470 5% 1/10W	R8809	1-216-085-91	RES-CHIP	33K 5% 1/10W
R8678	1-216-055-00	RES-CHIP	1.8K 5% 1/10W	R8810	1-216-089-91	RES-CHIP	47K 5% 1/10W
R8679	1-216-041-00	RES-CHIP	470 5% 1/10W				
R8680	1-216-295-91	SHORT	0	R8812	1-216-037-00	RES-CHIP	330 5% 1/10W
R8681	1-216-041-00	RES-CHIP	470 5% 1/10W	R8813	1-216-037-00	RES-CHIP	330 5% 1/10W
R8682	1-216-031-00	RES-CHIP	180 5% 1/10W	R8815	1-216-049-11	RES-CHIP	1K 5% 1/10W
R8683	1-216-041-00	RES-CHIP	470 5% 1/10W	R8818	1-216-642-11	METAL CHIP	430 0.5% 1/10W
R8684	1-216-295-91	SHORT	0	R8821	1-216-025-11	RES-CHIP	100 5% 1/10W
R8685	1-216-041-00	RES-CHIP	470 5% 1/10W	R8823	1-216-051-00	RES-CHIP	1.2K 5% 1/10W
R8686	1-216-091-00	RES-CHIP	56K 5% 1/10W	R8826	1-216-295-91	SHORT	0
R8687	1-216-037-00	RES-CHIP	330 5% 1/10W	R8827	1-216-295-91	SHORT	0
R8688	1-216-081-00	RES-CHIP	22K 5% 1/10W	R8828	1-216-029-00	RES-CHIP	150 5% 1/10W
R8689	1-216-041-00	RES-CHIP	470 5% 1/10W	R8831	1-216-031-00	RES-CHIP	180 5% 1/10W
R8690	1-216-041-00	RES-CHIP	470 5% 1/10W	R8832	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R8692	1-216-041-00	RES-CHIP	470 5% 1/10W	R8833	1-216-295-91	SHORT	0
R8693	1-216-041-00	RES-CHIP	470 5% 1/10W	R8834	1-216-037-00	RES-CHIP	330 5% 1/10W
R8694	1-216-041-00	RES-CHIP	470 5% 1/10W	R8835	1-216-037-00	RES-CHIP	330 5% 1/10W
R8695	1-216-013-00	RES-CHIP	33 5% 1/10W	R8836	1-216-089-91	RES-CHIP	47K 5% 1/10W
R8696	1-216-013-00	RES-CHIP	33 5% 1/10W	R8837	1-216-689-11	RES-CHIP	39K 5% 1/10W
R8697	1-216-055-00	RES-CHIP	1.8K 5% 1/10W	R8838	1-216-049-11	RES-CHIP	1K 5% 1/10W
R8698	1-216-031-00	RES-CHIP	180 5% 1/10W	R8839	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R8699	1-216-061-91	RES-CHIP	3.3K 5% 1/10W	R8841	1-216-642-11	METAL CHIP	430 0.5% 1/10W
R8700	1-216-049-11	RES-CHIP	1K 5% 1/10W	R8842	1-216-025-11	RES-CHIP	100 5% 1/10W
R8701	1-216-073-91	RES-CHIP	10K 5% 1/10W	R8843	1-216-051-00	RES-CHIP	1.2K 5% 1/10W
R8702	1-216-025-11	RES-CHIP	100 5% 1/10W	R8851	1-216-295-91	SHORT	0
R8703	1-216-025-11	RES-CHIP	100 5% 1/10W	R8853	1-216-097-11	RES-CHIP	100K 5% 1/10W
R8704	1-216-025-11	RES-CHIP	100 5% 1/10W	R8854	1-216-085-91	RES-CHIP	33K 5% 1/10W
R8705	1-216-295-91	SHORT	0	R8900	1-216-039-00	RES-CHIP	390 5% 1/10W
R8706	1-216-049-11	RES-CHIP	1K 5% 1/10W	R8901	1-216-049-11	RES-CHIP	1K 5% 1/10W
R8707	1-216-081-00	RES-CHIP	22K 5% 1/10W	R8902	1-216-039-00	RES-CHIP	390 5% 1/10W
R8708	1-216-089-91	RES-CHIP	47K 5% 1/10W	R8903	1-216-089-91	RES-CHIP	47K 5% 1/10W
R8709	1-216-059-00	RES-CHIP	2.7K 5% 1/10W	R8904	1-216-089-91	RES-CHIP	47K 5% 1/10W
R8710	1-216-049-11	RES-CHIP	1K 5% 1/10W	R8905	1-216-113-00	RES-CHIP	470K 5% 1/10W
R8711	1-216-091-00	RES-CHIP	56K 5% 1/10W	R8906	1-216-035-00	RES-CHIP	270 5% 1/10W
R8712	1-216-081-00	RES-CHIP	22K 5% 1/10W	R8907	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R8713	1-216-049-11	RES-CHIP	1K 5% 1/10W	R8908	1-216-035-00	RES-CHIP	270 5% 1/10W
R8714	1-216-049-11	RES-CHIP	1K 5% 1/10W	R8909	1-216-049-11	RES-CHIP	1K 5% 1/10W
R8715	1-216-051-00	RES-CHIP	1.2K 5% 1/10W	R8910	1-216-295-91	SHORT	0
R8716	1-216-043-91	RES-CHIP	560 5% 1/10W	R8911	1-216-025-11	RES-CHIP	100 5% 1/10W
R8717	1-216-037-00	RES-CHIP	330 5% 1/10W	R8912	1-216-295-91	SHORT	0
R8718	1-216-051-00	RES-CHIP	1.2K 5% 1/10W	R8913	1-216-022-00	RES-CHIP	75 5% 1/10W
R8719	1-216-043-91	RES-CHIP	560 5% 1/10W	R8914	1-216-071-00	RES-CHIP	8.2K 5% 1/10W
R8720	1-216-061-91	RES-CHIP	3.3K 5% 1/10W	R8915	1-216-022-00	RES-CHIP	75 5% 1/10W
R8721	1-216-073-91	RES-CHIP	10K 5% 1/10W	R8916	1-216-017-91	RES-CHIP	47 5% 1/10W
R8722	1-216-097-11	RES-CHIP	100K 5% 1/10W	R8917	1-216-017-91	RES-CHIP	47 5% 1/10W
R8723	1-216-089-91	RES-CHIP	47K 5% 1/10W	R8918	1-216-113-00	RES-CHIP	470K 5% 1/10W
R8724	1-216-095-00	RES-CHIP	82K 5% 1/10W	R8919	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R8725	1-216-089-91	RES-CHIP	47K 5% 1/10W	R8920	1-216-295-91	SHORT	0
R8726	1-216-295-91	SHORT	0	R8921	1-216-295-91	SHORT	0
R8727	1-216-045-00	RES-CHIP	680 5% 1/10W	R8922	1-216-022-00	RES-CHIP	75 5% 1/10W
R8728	1-216-045-00	RES-CHIP	680 5% 1/10W	R8923	1-216-022-00	RES-CHIP	75 5% 1/10W
R8729	1-216-033-00	RES-CHIP	220 5% 1/10W	R8924	1-216-022-00	RES-CHIP	75 5% 1/10W
R8730	1-216-295-91	SHORT	0	R8925	1-216-022-00	RES-CHIP	75 5% 1/10W
R8801	1-216-035-00	RES-CHIP	270 5% 1/10W	R8926	1-216-017-91	RES-CHIP	47 5% 1/10W
				R8927	1-216-017-91	RES-CHIP	47 5% 1/10W



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R8928	1-216-017-91	RES-CHIP	47 5% 1/10W	R8987	1-216-051-00	RES-CHIP	1.2K 5% 1/10W
R8929	1-216-039-00	RES-CHIP	390 5% 1/10W	R8988	1-216-051-00	RES-CHIP	1.2K 5% 1/10W
R8930	1-216-049-11	RES-CHIP	1K 5% 1/10W				
R8931	1-216-039-00	RES-CHIP	390 5% 1/10W	R8989	1-216-022-00	RES-CHIP	75 5% 1/10W
R8932	1-216-049-11	RES-CHIP	1K 5% 1/10W	R8990	1-216-017-91	RES-CHIP	47 5% 1/10W
R8933	1-216-089-91	RES-CHIP	47K 5% 1/10W	R8991	1-216-022-00	RES-CHIP	75 5% 1/10W
R8934	1-216-089-91	RES-CHIP	47K 5% 1/10W	R8992	1-216-017-91	RES-CHIP	47 5% 1/10W
R8935	1-216-113-00	RES-CHIP	470K 5% 1/10W	R8993	1-216-022-00	RES-CHIP	75 5% 1/10W
R8936	1-216-113-00	RES-CHIP	470K 5% 1/10W	R8994	1-216-073-91	RES-CHIP	10K 5% 1/10W
R8937	1-216-035-00	RES-CHIP	270 5% 1/10W	R8995	1-216-089-91	RES-CHIP	47K 5% 1/10W
R8938	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R8996	1-216-049-11	RES-CHIP	1K 5% 1/10W
R8939	1-216-035-00	RES-CHIP	270 5% 1/10W	R8997	1-216-049-11	RES-CHIP	1K 5% 1/10W
R8940	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R8998	1-216-017-91	RES-CHIP	47 5% 1/10W
R8941	1-216-025-11	RES-CHIP	100 5% 1/10W			< TERMINAL BOARD >	
R8942	1-216-009-91	RES-CHIP	22 5% 1/10W				
R8943	1-216-022-00	RES-CHIP	75 5% 1/10W	TB8101	1-537-712-11	TERMINAL, PUSH (CENTER SP IN)	
R8944	1-216-071-00	RES-CHIP	8.2K 5% 1/10W				
R8945	1-216-022-00	RES-CHIP	75 5% 1/10W			< CRYSTAL >	
R8946	1-216-017-91	RES-CHIP	47 5% 1/10W	X8301	1-781-612-11	VIBRATOR, CRYSTAL (16.2MHz)	
R8947	1-216-039-00	RES-CHIP	390 5% 1/10W	X8401	1-781-612-11	VIBRATOR, CRYSTAL (16.2MHz)	
R8948	1-216-049-11	RES-CHIP	1K 5% 1/10W	X8700	1-767-342-21	VIBRATOR, CRYSTAL (14.3MHz)	
R8949	1-216-022-00	RES-CHIP	75 5% 1/10W			*****	
R8950	1-216-089-91	RES-CHIP	47K 5% 1/10W				
R8951	1-216-017-91	RES-CHIP	47 5% 1/10W			* A-1300-223-A N BOARD, COMPLETE	
R8952	1-216-113-00	RES-CHIP	470K 5% 1/10W			*****	
R8953	1-216-035-00	RES-CHIP	270 5% 1/10W				
R8954	1-216-057-00	RES-CHIP	2.2K 5% 1/10W				
R8955	1-216-039-00	RES-CHIP	390 5% 1/10W				
R8956	1-216-049-11	RES-CHIP	1K 5% 1/10W			< CAPACITOR >	
R8957	1-216-025-11	RES-CHIP	100 5% 1/10W				
R8958	1-216-089-91	RES-CHIP	47K 5% 1/10W	C2330	1-126-947-11	ELECT	47μF 20% 16V
R8959	1-216-022-00	RES-CHIP	75 5% 1/10W	C2331	1-164-004-11	CERAMIC CHIP	0.1μF 10% 25V
R8960	1-216-017-91	RES-CHIP	47 5% 1/10W	C2332	1-164-004-11	CERAMIC CHIP	0.1μF 10% 25V
				C2341	1-163-231-11	CERAMIC CHIP	15pF 5% 50V
				C2344	1-126-933-11	ELECT	100μF 20% 16V
R8961	1-216-022-00	RES-CHIP	75 5% 1/10W				
R8962	1-216-071-00	RES-CHIP	8.2K 5% 1/10W	C2347	1-164-004-11	CERAMIC CHIP	0.1μF 10% 25V
R8963	1-216-113-00	RES-CHIP	470K 5% 1/10W	C2501	1-126-933-11	ELECT	100μF 20% 16V
R8964	1-216-035-00	RES-CHIP	270 5% 1/10W	C2502	1-126-947-11	ELECT	47μF 20% 16V
R8965	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	C2504	1-163-255-11	CERAMIC CHIP	150pF 5% 50V
				C2505	1-163-255-11	CERAMIC CHIP	150pF 5% 50V
R8966	1-216-037-00	RES-CHIP	330 5% 1/10W	C2506	1-163-253-11	CERAMIC CHIP	120pF 5% 50V
R8967	1-216-037-00	RES-CHIP	330 5% 1/10W	C2507	1-163-253-11	CERAMIC CHIP	120pF 5% 50V
R8968	1-216-022-00	RES-CHIP	75 5% 1/10W	C2508	1-107-823-11	CERAMIC CHIP	0.47μF 10% 16V
R8969	1-216-017-91	RES-CHIP	47 5% 1/10W	C2509	1-126-968-11	ELECT	100μF 20% 50V
R8972	1-216-045-00	RES-CHIP	680 5% 1/10W	C2510	1-126-968-11	ELECT	100μF 20% 50V
R8973	1-216-045-00	RES-CHIP	680 5% 1/10W				
R8974	1-216-113-00	RES-CHIP	470K 5% 1/10W	C2511	1-165-319-11	CERAMIC CHIP	0.1μF 50V
R8975	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	C2512	1-107-823-11	CERAMIC CHIP	0.47μF 10% 16V
R8976	1-216-113-00	RES-CHIP	470K 5% 1/10W	C2513	1-165-319-11	CERAMIC CHIP	0.1μF 50V
R8977	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	C2515	1-107-823-11	CERAMIC CHIP	0.47μF 10% 16V
				C2516	1-126-964-11	ELECT	10μF 20% 50V
R8978	1-216-057-00	RES-CHIP	2.2K 5% 1/10W				
R8979	1-216-295-91	SHORT	0	C2518	1-107-823-11	CERAMIC CHIP	0.47μF 10% 16V
R8981	1-216-089-91	RES-CHIP	47K 5% 1/10W	C2519	1-107-823-11	CERAMIC CHIP	0.47μF 10% 16V
R8982	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	C2521	1-107-823-11	CERAMIC CHIP	0.47μF 10% 16V
R8983	1-216-689-11	RES-CHIP	39K 5% 1/10W	C2522	1-126-967-11	ELECT	47μF 20% 50V
				C2523	1-165-319-11	CERAMIC CHIP	0.1μF 50V
R8984	1-216-295-91	SHORT	0				
R8985	1-216-065-91	RES-CHIP	4.7K 5% 1/10W	C2524	1-126-964-11	ELECT	10μF 20% 50V
R8986	1-216-065-91	RES-CHIP	4.7K 5% 1/10W	C2525	1-126-947-11	ELECT	47μF 20% 16V



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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
Q2531	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R2517	1-208-774-11	METAL CHIP 470	0.5% 1/10W
Q2532	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R2518	1-208-774-11	METAL CHIP 470	0.5% 1/10W
Q2533	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R2519	1-208-774-11	METAL CHIP 470	0.5% 1/10W
Q2534	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R2521	1-208-782-11	METAL CHIP 1K	0.5% 1/10W
Q2555	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R2522	1-216-025-11	RES-CHIP 100	5% 1/10W
Q2558	8-729-120-28	TRANSISTOR 2SC1623-L5L6					
Q2560	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R2523	1-216-057-00	RES-CHIP 2.2K	5% 1/10W
Q2561	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R2525	1-216-055-00	RES-CHIP 1.8K	5% 1/10W
Q2566	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R2526	1-216-033-00	RES-CHIP 220	5% 1/10W
Q2567	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R2527	1-216-017-91	RES-CHIP 47	5% 1/10W
Q2568	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R2528	1-216-033-00	RES-CHIP 220	5% 1/10W
Q2569	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R2529	1-216-055-00	RES-CHIP 1.8K	5% 1/10W
Q2571	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R2530	1-216-049-11	RES-CHIP 1K	5% 1/10W
< RESISTOR >				R2531	1-216-631-11	METAL CHIP 150	0.5% 1/10W
R2301	1-216-017-91	RES-CHIP 47	5% 1/10W	R2532	1-216-073-91	RES-CHIP 10K	5% 1/10W
R2306	1-216-295-91	SHORT 0		R2534	1-216-049-11	RES-CHIP 1K	5% 1/10W
R2307	1-216-295-91	SHORT 0					
R2334	1-216-017-91	RES-CHIP 47	5% 1/10W	R2535	1-216-065-91	RES-CHIP 4.7K	5% 1/10W
R2335	1-216-017-91	RES-CHIP 47	5% 1/10W	R2536	1-208-784-11	METAL CHIP 1.2K	0.5% 1/10W
R2336	1-216-017-91	RES-CHIP 47	5% 1/10W	R2537	1-216-059-00	RES-CHIP 2.7K	5% 1/10W
R2337	1-216-017-91	RES-CHIP 47	5% 1/10W	R2538	1-208-776-11	METAL CHIP 560	0.5% 1/10W
R2338	1-216-017-91	RES-CHIP 47	5% 1/10W	R2539	1-216-059-00	RES-CHIP 2.7K	5% 1/10W
R2350	1-216-017-91	RES-CHIP 47	5% 1/10W				
R2351	1-216-025-11	RES-CHIP 100	5% 1/10W	R2540	1-216-065-91	RES-CHIP 4.7K	5% 1/10W
R2352	1-216-025-11	RES-CHIP 100	5% 1/10W	R2541	1-208-784-11	METAL CHIP 1.2K	0.5% 1/10W
R2370	1-216-295-91	SHORT 0		R2542	1-216-295-91	SHORT 0	
R2371	1-216-045-00	RES-CHIP 680	5% 1/10W	R2543	1-216-295-91	SHORT 0	
R2372	1-216-071-00	RES-CHIP 8.2K	5% 1/10W	R2544	1-208-776-11	METAL CHIP 560	0.5% 1/10W
R2373	1-216-295-91	SHORT 0					
R2374	1-216-045-00	RES-CHIP 680	5% 1/10W	R2545	1-208-754-11	METAL CHIP 68	0.5% 1/10W
R2375	1-216-071-00	RES-CHIP 8.2K	5% 1/10W	R2546	1-216-655-11	METAL CHIP 1.5K	0.5% 1/10W
R2383	1-216-295-91	SHORT 0		R2547	1-216-641-11	METAL CHIP 390	0.5% 1/10W
R2400	1-216-295-91	SHORT 0		R2548	1-208-776-11	METAL CHIP 560	0.5% 1/10W
R2401	1-216-077-91	RES-CHIP 15K	5% 1/10W	R2549	1-208-754-11	METAL CHIP 68	0.5% 1/10W
R2402	1-216-081-00	RES-CHIP 22K	5% 1/10W				
R2403	1-216-041-00	RES-CHIP 470	5% 1/10W	R2551	1-216-655-11	METAL CHIP 1.5K	0.5% 1/10W
R2404	1-216-041-00	RES-CHIP 470	5% 1/10W	R2552	1-216-295-91	SHORT 0	
R2406	1-216-295-91	SHORT 0		R2553	1-208-776-11	METAL CHIP 560	0.5% 1/10W
R2407	1-208-789-11	METAL CHIP 2K	0.5% 1/10W	R2554	1-208-782-11	METAL CHIP 1K	0.5% 1/10W
R2418	1-216-017-91	RES-CHIP 47	5% 1/10W	R2555	1-216-073-91	RES-CHIP 10K	5% 1/10W
R2421	1-216-648-11	METAL CHIP 750	0.5% 1/10W				
R2422	1-216-295-91	SHORT 0		R2556	1-208-776-11	METAL CHIP 560	0.5% 1/10W
R2426	1-208-768-11	METAL CHIP 270	0.5% 1/10W	R2557	1-216-063-91	RES-CHIP 3.9K	5% 1/10W
R2427	1-208-768-11	METAL CHIP 270	0.5% 1/10W	R2558	1-216-073-91	RES-CHIP 10K	5% 1/10W
R2428	1-216-045-00	RES-CHIP 680	5% 1/10W	R2559	1-208-782-11	METAL CHIP 1K	0.5% 1/10W
R2502	1-208-800-11	METAL CHIP 5.6K	0.5% 1/10W	R2560	1-208-774-11	METAL CHIP 470	0.5% 1/10W
R2503	1-208-798-11	METAL CHIP 4.7K	0.5% 1/10W				
R2505	1-216-649-11	METAL CHIP 820	0.5% 1/10W	R2561	1-208-784-11	METAL CHIP 1.2K	0.5% 1/10W
R2506	1-216-061-91	RES-CHIP 3.3K	5% 1/10W	R2562	1-208-800-11	METAL CHIP 5.6K	0.5% 1/10W
R2511	1-216-053-00	RES-CHIP 1.5K	5% 1/10W	R2563	1-208-800-11	METAL CHIP 5.6K	0.5% 1/10W
R2513	1-208-768-11	METAL CHIP 270	0.5% 1/10W	R2564	1-208-790-11	METAL CHIP 2.2K	0.5% 1/10W
R2514	1-216-059-00	RES-CHIP 2.7K	5% 1/10W	R2565	1-208-782-11	METAL CHIP 1K	0.5% 1/10W
R2515	1-208-774-11	METAL CHIP 470	0.5% 1/10W				
R2516	1-216-649-11	METAL CHIP 820	0.5% 1/10W	R2566	1-216-648-11	METAL CHIP 750	0.5% 1/10W
				R2567	1-216-049-11	RES-CHIP 1K	5% 1/10W
				R2568	1-208-794-11	METAL CHIP 3.3K	0.5% 1/10W
				R2569	1-208-802-11	METAL CHIP 6.8K	0.5% 1/10W
				R2570	1-216-073-91	RES-CHIP 10K	5% 1/10W
				R2571	1-208-794-11	METAL CHIP 3.3K	0.5% 1/10W
				R2572	1-208-784-11	METAL CHIP 1.2K	0.5% 1/10W
				R2573	1-216-053-00	RES-CHIP 1.5K	5% 1/10W
				R2574	1-216-295-91	SHORT 0	
				R2575	1-216-641-11	METAL CHIP 390	0.5% 1/10W

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
R2576	1-216-059-00	RES-CHIP 2.7K	5% 1/10W	R2705	1-216-049-11	RES-CHIP 1K	5% 1/10W
R2577	1-208-776-11	METAL CHIP 560	0.5% 1/10W	*****			
R2578	1-208-776-11	METAL CHIP 560	0.5% 1/10W				
R2579	1-216-053-00	RES-CHIP 1.5K	5% 1/10W	* A-1316-525-A G BOARD, COMPLETE			
R2580	1-208-776-11	METAL CHIP 560	0.5% 1/10W	*****			
				* 4-374-846-01 COVER, CAPACITOR, CAP TYPE			
R2581	1-208-774-11	METAL CHIP 470	0.5% 1/10W	4-382-854-01 SCREW (M3X8), P, SW (+)			
R2582	1-216-635-11	METAL CHIP 220	0.5% 1/10W	< CAPACITOR >			
R2583	1-216-055-00	RES-CHIP 1.8K	5% 1/10W	C1602	1-163-005-91	CERAMIC CHIP 470pF	10% 50V
R2584	1-216-049-11	RES-CHIP 1K	5% 1/10W	C1603	1-107-678-11	ELECT 4.7μF	20% 450V
R2585	1-216-081-00	RES-CHIP 22K	5% 1/10W	C1604	$\triangle$ 1-161-830-51	CERAMIC 0.0047μF	99% 500V
				C1605	$\triangle$ 1-161-830-51	CERAMIC 0.0047μF	99% 500V
R2586	1-216-073-91	RES-CHIP 10K	5% 1/10W	C1606	1-163-809-11	CERAMIC CHIP 0.047μF	10% 25V
R2587	1-216-045-00	RES-CHIP 680	5% 1/10W	C1607	$\triangle$ 1-161-830-51	CERAMIC 0.0047μF	99% 500V
R2588	1-208-768-11	METAL CHIP 270	0.5% 1/10W	C1608	$\triangle$ 1-161-830-51	CERAMIC 0.0047μF	99% 500V
R2589	1-216-045-00	RES-CHIP 680	5% 1/10W	C1609	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V
R2590	1-208-778-11	METAL CHIP 680	0.5% 1/10W	C1610	1-163-009-91	CERAMIC CHIP 0.001μF	10% 50V
				C1611	1-117-752-11	ELECT(BLOCK) 330μF	20% 450V
R2591	1-216-045-00	RES-CHIP 680	5% 1/10W	C1612	1-117-752-11	ELECT(BLOCK) 330μF	20% 450V
R2592	1-208-770-11	METAL CHIP 330	0.5% 1/10W	C1613	1-126-964-11	ELECT 10μF	20% 50V
R2593	1-216-045-00	RES-CHIP 680	5% 1/10W	C1614	1-126-967-11	ELECT 47μF	20% 50V
R2594	1-208-774-11	METAL CHIP 470	0.5% 1/10W	C1615	1-126-948-11	ELECT 100μF	20% 35V
R2611	1-216-641-11	METAL CHIP 390	0.5% 1/10W	C1616	1-137-605-11	MYLAR 0.01μF	10% 250V
				C1617	1-126-965-91	ELECT 22μF	20% 50V
R2614	1-208-796-11	METAL CHIP 3.9K	0.5% 1/10W	C1618	1-136-165-00	FILM 0.1μF	5% 50V
R2615	1-208-788-11	METAL CHIP 1.8K	0.5% 1/10W	C1620	1-126-960-11	ELECT 1μF	20% 50V
R2640	1-216-049-11	RES-CHIP 1K	5% 1/10W	C1621	1-126-940-11	ELECT 330μF	20% 25V
R2642	1-208-802-11	METAL CHIP 6.8K	0.5% 1/10W	C1622	1-126-961-11	ELECT 2.2μF	20% 50V
R2644	1-216-045-00	RES-CHIP 680	5% 1/10W	C1623	1-136-479-11	FILM 0.001μF	2% 50V
				C1624	1-126-962-11	ELECT 3.3μF	20% 50V
R2647	1-216-045-00	RES-CHIP 680	5% 1/10W	C1625	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
R2648	1-208-768-11	METAL CHIP 270	0.5% 1/10W	C1626	1-113-924-11	CERAMIC 0.0047μF	20% 250V
R2651	1-216-045-00	RES-CHIP 680	5% 1/10W	C1627	1-125-969-91	CERAMIC 680pF	10% 1KV
R2652	1-208-778-11	METAL CHIP 680	0.5% 1/10W				
R2653	1-216-061-91	RES-CHIP 3.3K	5% 1/10W	C1628	1-125-969-91	CERAMIC 680pF	10% 1KV
				C1629	1-135-946-81	FILM 47000pF	3% 800V
R2654	1-216-065-91	RES-CHIP 4.7K	5% 1/10W	C1630	1-126-939-11	ELECT 10000μF	20% 16V
R2657	1-216-045-00	RES-CHIP 680	5% 1/10W	C1631	1-126-942-61	ELECT 1000μF	20% 25V
R2664	1-216-049-11	RES-CHIP 1K	5% 1/10W	C1632	1-126-964-11	ELECT 10μF	20% 50V
R2666	1-216-045-00	RES-CHIP 680	5% 1/10W				
R2669	1-216-045-00	RES-CHIP 680	5% 1/10W	C1633	1-126-947-11	ELECT 47μF	20% 25V
				C1634	1-128-548-11	ELECT 4700μF	20% 25V
R2670	1-208-768-11	METAL CHIP 270	0.5% 1/10W	C1635	1-128-548-11	ELECT 4700μF	20% 25V
R2671	1-216-045-00	RES-CHIP 680	5% 1/10W	C1636	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V
R2672	1-208-778-11	METAL CHIP 680	0.5% 1/10W	C1637	1-126-929-11	ELECT 4700μF	20% 10V
R2673	1-216-061-91	RES-CHIP 3.3K	5% 1/10W				
R2674	1-216-065-91	RES-CHIP 4.7K	5% 1/10W	C1638	1-126-932-51	ELECT 15000μF	20% 10V
				C1639	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V
R2675	1-216-045-00	RES-CHIP 680	5% 1/10W	C1640	1-126-947-11	ELECT 47μF	20% 25V
R2677	1-216-073-91	RES-CHIP 10K	5% 1/10W	C1641	1-126-947-11	ELECT 47μF	20% 25V
R2679	1-216-073-91	RES-CHIP 10K	5% 1/10W	C1642	1-126-964-11	ELECT 10μF	20% 50V
R2682	1-208-802-11	METAL CHIP 6.8K	0.5% 1/10W				
R2684	1-216-648-11	METAL CHIP 750	0.5% 1/10W	C1643	1-126-947-11	ELECT 47μF	20% 25V
				C1644	1-126-947-11	ELECT 47μF	20% 25V
R2687	1-216-049-11	RES-CHIP 1K	5% 1/10W	C1645	1-126-947-11	ELECT 47μF	20% 25V
R2688	1-216-295-91	SHORT 0	5% 1/10W	C1646	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V
R2690	1-216-295-91	SHORT 0		C1647	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V
R2693	1-216-295-91	SHORT 0					
R2694	1-216-295-91	SHORT 0		C1648	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V
R2696	1-216-295-91	SHORT 0					
R2697	1-216-049-11	RES-CHIP 1K	5% 1/10W				
R2700	1-216-295-91	SHORT 0					
R2701	1-216-295-91	SHORT 0					
R2702	1-216-295-91	SHORT 0					
R2704	1-216-295-91	SHORT 0					



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C1649	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	D1614	8-719-510-02	DIODE D1NS4	
C1650	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	D1616	8-719-510-02	DIODE D1NS4	
C1651	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V	D1617	8-719-510-02	DIODE D1NS4	
C1652	1-126-964-11	ELECT 10μF	20% 50V				
C1653	1-126-967-11	ELECT 47μF	20% 50V	D1618	8-719-988-61	DIODE 1SS355TE-17	
C1654	1-126-947-11	ELECT 47μF	20% 25V	D1619	8-719-105-91	DIODE RD5.6M-B2	
C1655	1-163-009-91	CERAMIC CHIP 0.001μF	10% 50V	D1620	8-719-055-40	DIODE FCQ30A04	
C1656	1-163-009-91	CERAMIC CHIP 0.001μF	10% 50V	D1621	8-719-018-84	DIODE D2S6M	
C1657	1-163-009-91	CERAMIC CHIP 0.001μF	10% 50V	D1623	8-719-055-40	DIODE FCQ30A04	
C1658	1-163-009-91	CERAMIC CHIP 0.001μF	10% 50V	D1624	8-719-510-09	DIODE D10SC6M	
C1659	1-137-194-81	FILM 0.47μF	5% 50V	D1625	8-719-988-31	DIODE D10SC6MR	
C1660	△ 1-104-708-51	MYLAR 0.47μF	20% 250V	D1626	8-719-510-12	DIODE D10SC4M	
C1661	△ 1-119-893-51	CERAMIC 1000pF	20% 250V	D1629	8-719-988-61	DIODE 1SS355TE-17	
C1662	△ 1-119-893-51	CERAMIC 1000pF	20% 250V	D1630	8-719-988-61	DIODE 1SS355TE-17	
C1664	△ 1-104-708-51	MYLAR 0.47μF	20% 250V	D1631	△ 8-719-988-61	DIODE 1SS355TE-17	
C1666	1-109-843-11	CERAMIC 33pF	5% 2KV	D1632	1-216-295-91	SHORT 0	
C1667	1-109-843-11	CERAMIC 33pF	5% 2KV	D1635	8-719-060-90	DIODE S2L60F	
C1668	1-109-843-11	CERAMIC 33pF	5% 2KV	D1636	8-719-060-90	DIODE S2L60F	
C1669	1-109-843-11	CERAMIC 33pF	5% 2KV	D1638	8-719-988-61	DIODE 1SS355TE-17	
C1670	1-125-497-11	ELECT(BLOCK) 100μF	20% 400V	D1639	8-719-510-02	DIODE D1NS4	
C1671	1-125-497-11	ELECT(BLOCK) 100μF	20% 400V	D1640	8-719-105-91	DIODE RD5.6M-B2	
C1672	1-161-830-00	CERAMIC 0.0047μF	500V	D1641	8-719-988-61	DIODE 1SS355TE-17	
C1674	1-164-004-11	CERAMIC CHIP 0.1μF	10% 25V	D1642	8-719-988-61	DIODE 1SS355TE-17	
C1675	1-163-021-91	CERAMIC CHIP 0.01μF	10% 50V		< FUSE >		
	< CONNECTOR >			F1601	△ 1-576-232-11	FUSE (H.B.C.) (5A/250V)	
CN1601	1-580-843-11	PIN, CONNECTOR (POWER)			< FERRITE BEAD >		
CN1602	*1-691-960-11	PIN, CONNECTOR (PC BOARD) 3P		FB1601	1-410-397-21	FERRITE 1.1μH	
CN1603	1-766-281-11	PIN, CONNECTOR (PC BOARD) 8P		FB1602	1-410-397-21	FERRITE 1.1μH	
CN1604	*1-580-838-11	PIN, CONNECTOR (PC BOARD) 4P		FB1603	1-410-397-21	FERRITE 1.1μH	
CN1605	*1-564-509-11	PLUG, CONNECTOR 6P		FB1604	1-410-397-21	FERRITE 1.1μH	
CN1606	*1-564-510-11	PLUG, CONNECTOR 7P		FB1605	1-410-397-21	FERRITE 1.1μH	
CN1607	*1-564-516-11	PLUG, CONNECTOR 13P		FB1606	1-410-397-21	FERRITE 1.1μH	
CN1609	1-695-915-11	TAB (CONTACTILE)			< FUSE HOLDER >		
CN1610	1-695-915-11	TAB (CONTACTILE)		FH1601	1-533-223-11	HOLDER, FUSE	
CN1611	1-695-915-11	TAB (CONTACTILE)		FH1602	1-533-223-11	HOLDER, FUSE	
CN1612	1-695-915-11	TAB (CONTACTILE)			< IC >		
CN1613	*1-564-512-11	PLUG, CONNECTOR 9P		IC1601	8-759-670-30	IC MCZ3001D	
CN1614	*1-564-506-11	PLUG, CONNECTOR 3P		IC1602	8-759-198-31	IC μPC1093J-1-T	
CN1615	*1-564-507-11	PLUG, CONNECTOR 4P		IC1603	8-759-198-31	IC μPC1093J-1-T	
CN1616	*1-691-960-11	PIN, CONNECTOR (PC BOARD) 3P			< COIL >		
	< DIODE >			L1601	1-412-525-31	INDUCTOR 10μH	
D1601	8-719-077-76	DIODE D2SB60A-F04		L1604	1-412-525-31	INDUCTOR 10μH	
D1602	△ 8-719-022-99	DIODE D6SB60L		L1606	1-412-525-31	INDUCTOR 10μH	
D1603	8-719-106-89	DIODE RD15M-T1B2		L1607	1-412-525-31	INDUCTOR 10μH	
D1604	8-719-988-61	DIODE 1SS355TE-17		L1608	1-412-525-31	INDUCTOR 10μH	
D1605	8-719-948-45	DIODE ERA22-08					
D1606	8-719-105-92	DIODE RD5.6M-B3		L1609	1-406-659-11	INDUCTOR 10μH	
D1607	8-719-979-64	DIODE UF4005PKG23		L1610	1-406-971-21	INDUCTOR 10μH	
D1608	8-719-060-90	DIODE S2L60F					
D1609	8-719-063-73	DIODE D1NL20U-TR					
D1610	8-719-510-48	DIODE D1N20R					
D1612	8-719-060-90	DIODE S2L60F					
D1613	8-719-510-02	DIODE D1NS4					

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
L1612	1-406-659-11	INDUCTOR	10 μ H	R1638	1-202-965-11	METAL	0.02 10% 2W
L1616	1-406-984-21	INDUCTOR	1.5mH	R1640	1-216-350-11	METAL OXIDE	1.2 5% 1W
< PHOTO COUPLER >				R1641	1-216-049-11	RES-CHIP	1K 5% 1/10W
PH1601	8-749-010-64	PHOTO COUPLER PC123F2		R1642	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
< IC LINK >				R1643	1-208-790-11	METAL CHIP	2.2K 0.5% 1/10W
PS1601 $\triangle$	1-576-390-91	LINK, IC (2.5A)		R1644	1-216-025-11	RES-CHIP	100 5% 1/10W
PS1602 $\triangle$	1-576-390-91	LINK, IC (2.5A)		R1645	1-216-017-91	RES-CHIP	47 5% 1/10W
< TRANSISTOR >				R1646	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
Q1601	8-729-046-40	TRANSISTOR 2SK2663		R1647	1-216-041-00	RES-CHIP	470 5% 1/10W
Q1602	8-729-023-22	TRANSISTOR 2SD2114K		R1648	1-216-089-91	RES-CHIP	47K 5% 1/10W
Q1603	8-729-023-22	TRANSISTOR 2SD2114K		R1649	1-216-049-11	RES-CHIP	1K 5% 1/10W
Q1604	8-729-216-22	TRANSISTOR 2SA1162-G		R1650	1-208-789-11	METAL CHIP	2K 0.5% 1/10W
Q1605	8-729-023-22	TRANSISTOR 2SD2114K		R1651	$\triangle$ 1-205-998-11	CEMENTED	1 5% 10W
Q1606	8-729-052-32	TRANSISTOR IRFIB7N50A		R1652	$\triangle$ 1-205-998-11	CEMENTED	1 5% 10W
Q1607	8-729-052-32	TRANSISTOR IRFIB7N50A		R1653	$\triangle$ 1-202-885-91	SOLID	1M 20% 1/2W
Q1608	8-729-216-22	TRANSISTOR 2SA1162-G		R1654	1-249-377-11	CARBON	0.47 5% 1/4W
< RESISTOR >				R1655	1-249-377-11	CARBON	0.47 5% 1/4W
R1601	1-260-302-51	CARBON	6.8 5% 1/2W	R1656	1-215-904-11	METAL OXIDE	100K 5% 2W
R1603	1-216-045-00	RES-CHIP	680 5% 1/10W	R1657	1-215-904-11	METAL OXIDE	100K 5% 2W
R1604	1-240-205-91	CARBON	22M 5% 1/2W	R1658	1-216-295-91	SHORT	0
R1605	1-216-009-91	RES-CHIP	22 5% 1/10W	R1660	1-216-295-91	SHORT	0
R1606	1-249-389-11	CARBON	4.7 5% 1/4W	R1662	$\triangle$ 1-218-265-21	METAL	8.2M 5% 1W
R1607	1-249-417-11	CARBON	1K 5% 1/4W	R1664	1-216-295-91	SHORT	0
R1608	1-216-073-91	RES-CHIP	10K 5% 1/10W	R1665	1-208-782-11	METAL CHIP	1K 0.5% 1/10W
R1609	1-216-041-00	RES-CHIP	470 5% 1/10W	R1666	1-208-802-11	METAL CHIP	6.8K 0.5% 1/10W
R1611	1-260-131-11	CARBON	470K 5% 1/2W	R1667	1-208-804-11	METAL CHIP	8.2K 0.5% 1/10W
R1612	1-215-485-00	METAL	470K 1% 1/4W	R1668	1-208-807-11	METAL CHIP	11K 0.5% 1/10W
R1613	$\triangle$ 1-220-778-81	FUSIBLE	0.1 10% 1/2W	R1669	1-216-041-00	RES-CHIP	470 5% 1/10W
R1616	1-249-393-11	CARBON	10 5% 1/4W	R1670	1-208-806-11	METAL CHIP	10K 0.5% 1/10W
R1617	1-249-377-11	CARBON	0.47 5% 1/4W	R1671	1-216-041-00	RES-CHIP	470 5% 1/10W
R1618	1-260-288-11	CARBON	0.47 5% 1/2W	< RELAY >			
R1619	$\triangle$ 1-220-778-81	FUSIBLE	0.1 10% 1/2W	RY1601 $\triangle$	1-755-388-11	RELAY (AC POWER)	
R1620	1-216-073-91	RES-CHIP	10K 5% 1/10W	< TRANSFORMER >			
R1621	1-216-065-91	RES-CHIP	4.7K 5% 1/10W	T1601	$\triangle$ 1-431-852-11	TRANSFORMER, CONVERTER (SRT)	
R1622	1-216-073-91	RES-CHIP	10K 5% 1/10W	T1603	$\triangle$ 1-435-512-12	TRANSFORMER, CONVERTER (PIT)	
R1623	1-216-049-11	RES-CHIP	1K 5% 1/10W	T1605	$\triangle$ 1-433-488-11	TRANSFORMER, LINE FILTER	
R1624	1-215-481-00	METAL	330K 1% 1/4W	< THERMISTOR >			
R1625	1-215-481-00	METAL	330K 1% 1/4W	TH1601	1-803-586-11	THERMISTOR, NTC	
R1626	1-215-481-00	METAL	330K 1% 1/4W	< VARISTOR >			
R1627	1-215-859-00	METAL OXIDE	22 5% 1W	VD1601 $\triangle$	1-803-830-31	VARISTOR (ERZV14D621)	
R1628	1-208-810-11	METAL CHIP	15K 0.5% 1/10W	VD1602 $\triangle$	1-803-830-31	VARISTOR (ERZV14D621)	
R1629	1-208-806-11	METAL CHIP	10K 0.5% 1/10W	*****			
R1630	1-216-073-91	RES-CHIP	10K 5% 1/10W				
R1631	1-216-073-91	RES-CHIP	10K 5% 1/10W				
R1632	1-249-393-11	CARBON	10 5% 1/4W				
R1633	1-216-073-91	RES-CHIP	10K 5% 1/10W				
R1634	1-249-393-11	CARBON	10 5% 1/4W				
R1635	1-216-073-91	RES-CHIP	10K 5% 1/10W				

H1**H2****H4**

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
* A-1372-879-A H1 BOARD, COMPLETE *****				< RESISTOR >			
				R4420	1-216-057-00	RES-CHIP 2.2K 5% 1/10W	
				R4421	1-216-065-91	RES-CHIP 4.7K 5% 1/10W	
				R4422	1-216-073-91	RES-CHIP 10K 5% 1/10W	
				R4423	1-216-057-00	RES-CHIP 2.2K 5% 1/10W	
				R4424	1-216-065-91	RES-CHIP 4.7K 5% 1/10W	
< CAPACITOR >				< SWITCH >			
C4305	1-163-017-00	CERAMIC CHIP 0.0047μF	10% 50V	S4402	1-692-431-21	SWITCH, TACTILE (TV/VIDEO)	
C4307	1-163-017-00	CERAMIC CHIP 0.0047μF	10% 50V	S4403	1-692-431-21	SWITCH, TACTILE (VOL-)	
C4309	1-163-251-11	CERAMIC CHIP 100pF	5% 50V	S4404	1-692-431-21	SWITCH, TACTILE (VOL+)	
< CONNECTOR >				S4405	1-692-431-21	SWITCH, TACTILE (PLOG-)	
CN4301	* 1-564-521-11	PLUG, CONNECTOR 6P		S4406	1-692-431-21	SWITCH, TACTILE (PLOG+)	
CN4302	* 1-564-520-11	PLUG, CONNECTOR 5P		*****			
CN4303	* 1-564-524-11	PLUG, CONNECTOR 9P		* A-1400-346-A H4 BOARD, COMPLETE *****			
< DIODE >				* 4-042-408-01 PIN, COATING LEAD			
D4301	8-719-016-73	DIODE STZ6.8T		* 4-058-315-01 HOLDER, LED			
D4302	8-719-016-73	DIODE STZ6.8T		4-359-103-00 HOLDER, LED			
D4303	8-719-016-73	DIODE STZ6.8T		< CAPACITOR >			
D4304	8-719-016-73	DIODE STZ6.8T		C4403	1-126-960-11	ELECT 1μF 20% 50V	
D4305	8-719-016-73	DIODE STZ6.8T		C4404	1-126-964-11	ELECT 10μF 20% 50V	
D4306	8-719-016-73	DIODE STZ6.8T		< CONNECTOR >			
< JACK >				CN4401	* 1-564-522-11	PLUG, CONNECTOR 7P	
J4301	1-573-970-11	BLOCK, (S) TERMINAL (AV4 INPUT)		CN4402	* 1-564-520-11	PLUG, CONNECTOR 5P	
J4302	1-774-753-11	JACK (HEAD PHONE)		< DIODE >			
< COIL >				D4401	8-719-812-31	DIODE TLR123 (LAMP)	
L4301	1-414-189-31	INDUCTOR 100μH		D4402	8-719-820-51	DIODE TLSG126 (POWER)	
L4302	1-414-189-31	INDUCTOR 100μH		D4403	8-719-083-82	DIODE UDZS-TE17-12B	
L4303	1-410-985-42	INDUCTOR 0.22μH		D4404	8-719-083-82	DIODE UDZS-TE17-12B	
< RESISTOR >				< IC >			
R4301	1-216-033-00	RES-CHIP 220 5% 1/10W		IC4401	8-742-129-00	HYB IC SBX1971-51P	
R4303	1-216-033-00	RES-CHIP 220 5% 1/10W		< TRANSISTOR >			
R4305	1-216-049-11	RES-CHIP 1K 5% 1/10W		Q4401	8-729-900-53	TRANSISTOR DTC114EK	
R4307	1-216-105-91	RES-CHIP 220K 5% 1/10W		Q4402	8-729-027-23	TRANSISTOR DTA114EKA-T146	
R4308	1-216-105-91	RES-CHIP 220K 5% 1/10W		Q4403	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
R4309	1-216-033-00	RES-CHIP 220 5% 1/10W		Q4404	8-729-900-53	TRANSISTOR DTC114EK	
R4311	1-216-033-00	RES-CHIP 220 5% 1/10W		< RESISTOR >			
R4312	1-216-295-91	SHORT 0		R4401	1-216-295-91	SHORT 0	
R4313	1-216-295-91	SHORT 0		R4402	1-216-025-11	RES-CHIP 100 5% 1/10W	
*****				R4403	1-216-025-11	RES-CHIP 100 5% 1/10W	
* A-1400-345-A H2 BOARD, COMPLETE *****				R4404	1-216-041-00	RES-CHIP 470 5% 1/10W	
< CONNECTOR >				R4405	1-216-041-00	RES-CHIP 470 5% 1/10W	
CN4404	* 1-564-522-11	PLUG, CONNECTOR 7P					

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

KF-42SX200/42SX200K/42SX200U

RM-905



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R4406	1-216-097-11	RES-CHIP	100K 5% 1/10W	4-087-135-31	MANUAL, INSTRUCTION (ENGLISH)		
R4407	1-216-089-91	RES-CHIP	47K 5% 1/10W		(UK)		
R4408	1-216-073-91	RES-CHIP	10K 5% 1/10W	4-087-135-41	MANUAL, INSTRUCTION (ENGLISH, POLISH, CZECH, HUNGARIAN, RUSSIAN, BULGARIAN) (OIRT)		
< SWITCH >				4-392-004-01	CLIP		
S4401	$\triangle$ 1-554-118-12	SWITCH, PUSH (1 KEY)		X-4033-430-2	WRENCH ASSY		
*****				X-4038-257-2	ASSY, CLEANING CLOTH		
* A-1400-348-A T BOARD, COMPLETE				*****			
*****				REMOTE COMMANDER			
< CONNECTOR >				*****			
CN8001	* 1-564-506-11	PLUG, CONNECTOR 3P		1-477-013-11	REMOTE COMMANDER (RM-905)		
< SWITCH >							
S8001	1-570-245-11	SWITCH, MICRO (LAMP DOOR)					

MISCELLANEOUS							

$\triangle$ 1-419-965-11 COIL, CHOKE 27.0mH							
$\triangle$ 1-468-510-14 POWER BLOCK							
1-543-653-11 CORE ASSY, BEAD (DIVISION TYPE)							
1-543-982-11 CORE, FERRITE							
1-544-855-11 SPEAKER (10cm)							
1-544-856-11 SPEAKER (2cm)							
1-544-857-11 SPEAKER (13X7cm)							
$\triangle$ 1-698-696-21 FAN, DC							
$\triangle$ 1-765-286-11 CORD, POWER (50SX200/50SX200K)							
$\triangle$ 1-776-860-11 U.K. POWER-SUPPLY CORD + FILTER							
(50SX200U)							
1-790-082-12 CABLE, RF							
$\triangle$ 1-900-253-70 THERMOSTAT							
$\triangle$ A-1501-931-A LAMP BLOCK ASSY							
$\triangle$ A-1485-164-A OPTICS UNIT BLOCK ASSY							

ACCESSORIES & PACKING MATERIALS							

1-573-291-12 CONNECTOR, CONVERSION							
1-770-321-11 ADAPTOR, CONVERSION 6P							
3-701-910-00 SCREW, SPECIAL (DIA. 3.8X20)							
* 4-030-895-01 JOINT							
* 4-055-672-01 BAG, PROTECTION							
* 4-078-285-02 INDIVIDUAL CARTON							
* 4-078-286-02 TRAY							
* 4-078-289-01 CUSHION (UPPER) (ASSY)							
* 4-078-290-01 CUSHION (LOWER) (ASSY)							
4-087-135-11 MANUAL, INSTRUCTION (ENGLISH, FRENCH, GERMAN, ITALIAN, DUTCH, GREEK, TURKISH) (AEP)							
4-087-135-21 MANUAL, INSTRUCTION (SPANISH, SWEDISH, PORTUGUESE, DANISH, FINNISH, NORWEGIAN) (AEP)							

