

**SONY**<sup>®</sup>

DATA PROJECTOR

**VPL-CX85**

REMOTE CONTROLLER

**RM-PJP1**

**RM-PJM17**

SERVICE MANUAL

1st Edition

## **⚠ 警告**

このマニュアルは、サービス専用です。  
お客様が、このマニュアルに記載された設置や保守、点検、修理などを行うと感電や火災、人身事故につながる可能性があります。  
危険をさけるため、サービストレーニングを受けた技術者のみご使用ください。

## **⚠ WARNING**

This manual is intended for qualified service personnel only.  
To reduce the risk of electric shock, fire or injury, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so. Refer all servicing to qualified service personnel.

## **⚠ WARNUNG**

Die Anleitung ist nur für qualifiziertes Fachpersonal bestimmt.  
Alle Wartungsarbeiten dürfen nur von qualifiziertem Fachpersonal ausgeführt werden. Um die Gefahr eines elektrischen Schlages, Feuergefahr und Verletzungen zu vermeiden, sind bei Wartungsarbeiten strikt die Angaben in der Anleitung zu befolgen. Andere als die angegebenen Wartungsarbeiten dürfen nur von Personen ausgeführt werden, die eine spezielle Befähigung dazu besitzen.

## **⚠ AVERTISSEMENT**

Ce manuel est destiné uniquement aux personnes compétentes en charge de l'entretien. Afin de réduire les risques de décharge électrique, d'incendie ou de blessure n'effectuer que les réparations indiquées dans le mode d'emploi à moins d'être qualifié pour en effectuer d'autres. Pour toute réparation faire appel à une personne compétente uniquement.

### **WARNING!!**

**AN INSULATED TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS. THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.**

### **SAFETY-RELATED COMPONENT WARNING !!**

**COMPONENTS IDENTIFIED BY A  $\Delta$  MARK ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.**

### **ATTENTION!!**

**AFIN D'ÉVITER TOUT RISQUE D'ÉLECTROCUTION PROVENANT D'UN CHÂSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ÊTRE UTILISÉ LORS DE TOUT DÉPANNAGE. LE CHÂSSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDÉ À L'ALIMENTATION SECTEUR.**

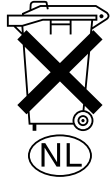
### **ATTENTION AUX COMPOSANTS RELATIFS À LA SÉCURITÉ!!**

**LES COMPOSANTS IDENTIFIÉS PAR UNE MAPQUE  $\Delta$  SUR LES SCHÉMAS DE PRINCIPE, LES VUES EXPLOSÉES ET LES LISTES DE PIÈCES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÈCE EST INDIQUÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY. LES RÉGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT SONT IDENTIFIÉS DANS LE PRÉSENT MANUEL. SUIVRE CES PROCÉDURES LORS DE CHAQUE REMPLACEMENT DE COMPOSANTS CRITIQUES, OU LORSQU'UN MAUVAIS FONCTIONNEMENT EST SUSPECTÉ.**

**For the customers in the Netherlands**  
**Voor de klanten in Nederland**

Hoe u de batterijen moet verwijderen, leest u in de tekst van deze handleiding.

Gooi de batterij niet weg maar lever deze in als klein chemisch afval (KCA).



**Für Kunden in Deutschland**

Entsorgungshinweis: Bitte werfen Sie nur entladene Batterien in die Sammelboxen beim Handel oder den Kommunen. Entladen sind Batterien in der Regel dann, wenn das Gerät abschaltet und signalisiert "Batterie leer" oder nach längerer Gebrauchsdauer der Batterien "nicht mehr einwandfrei funktioniert". Um sicherzugehen, kleben Sie die Batteriepole z.B. mit einem Klebestreifen ab oder geben Sie die Batterien einzeln in einen Plastikbeutel.



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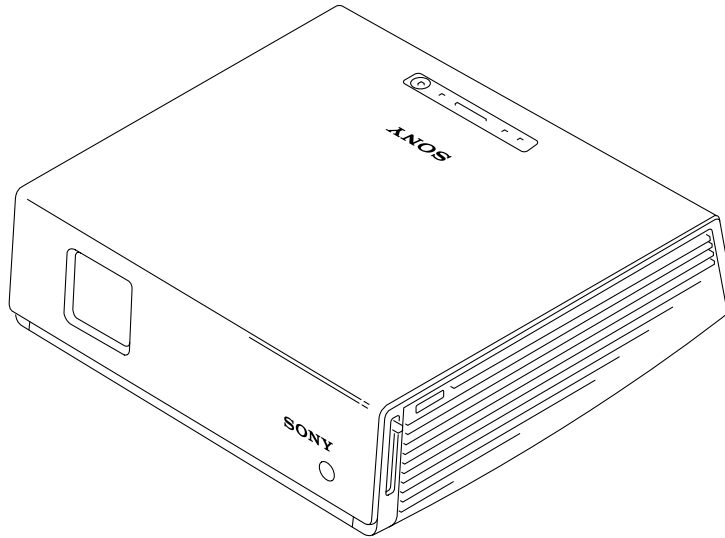




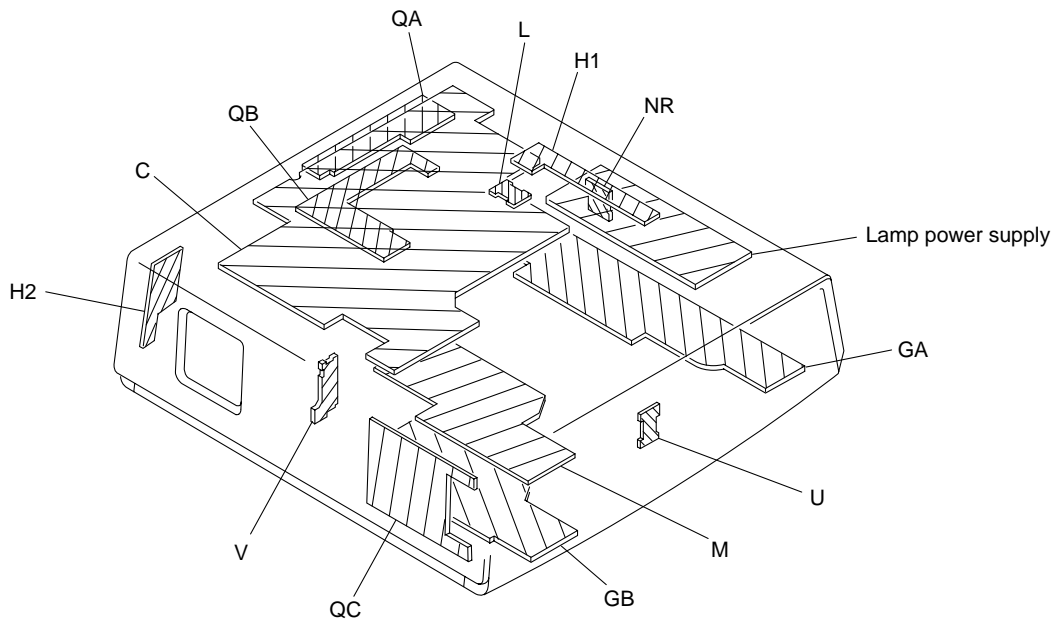
# Section 1

## Service Overview

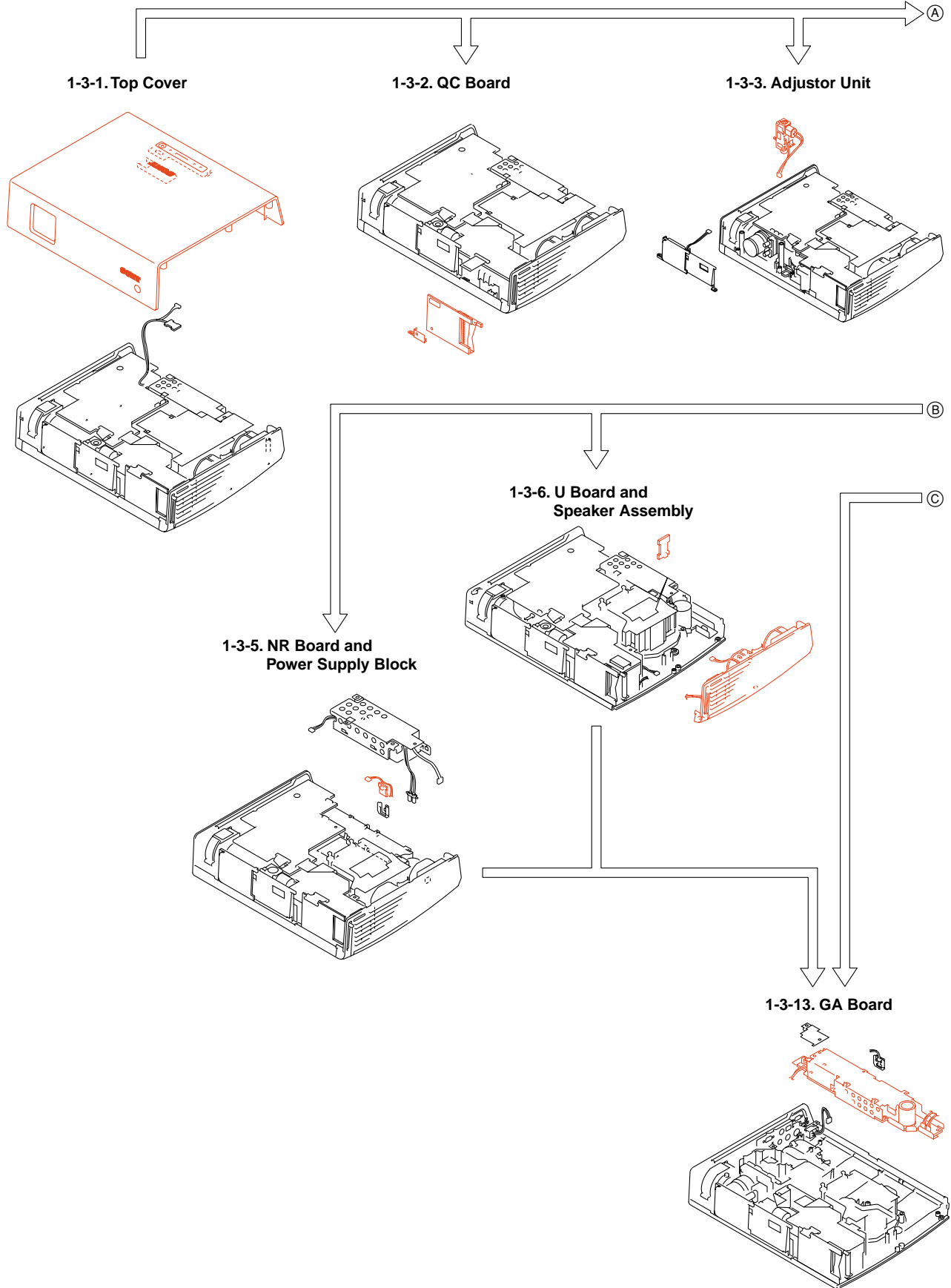
### 1-1. Appearance Figure

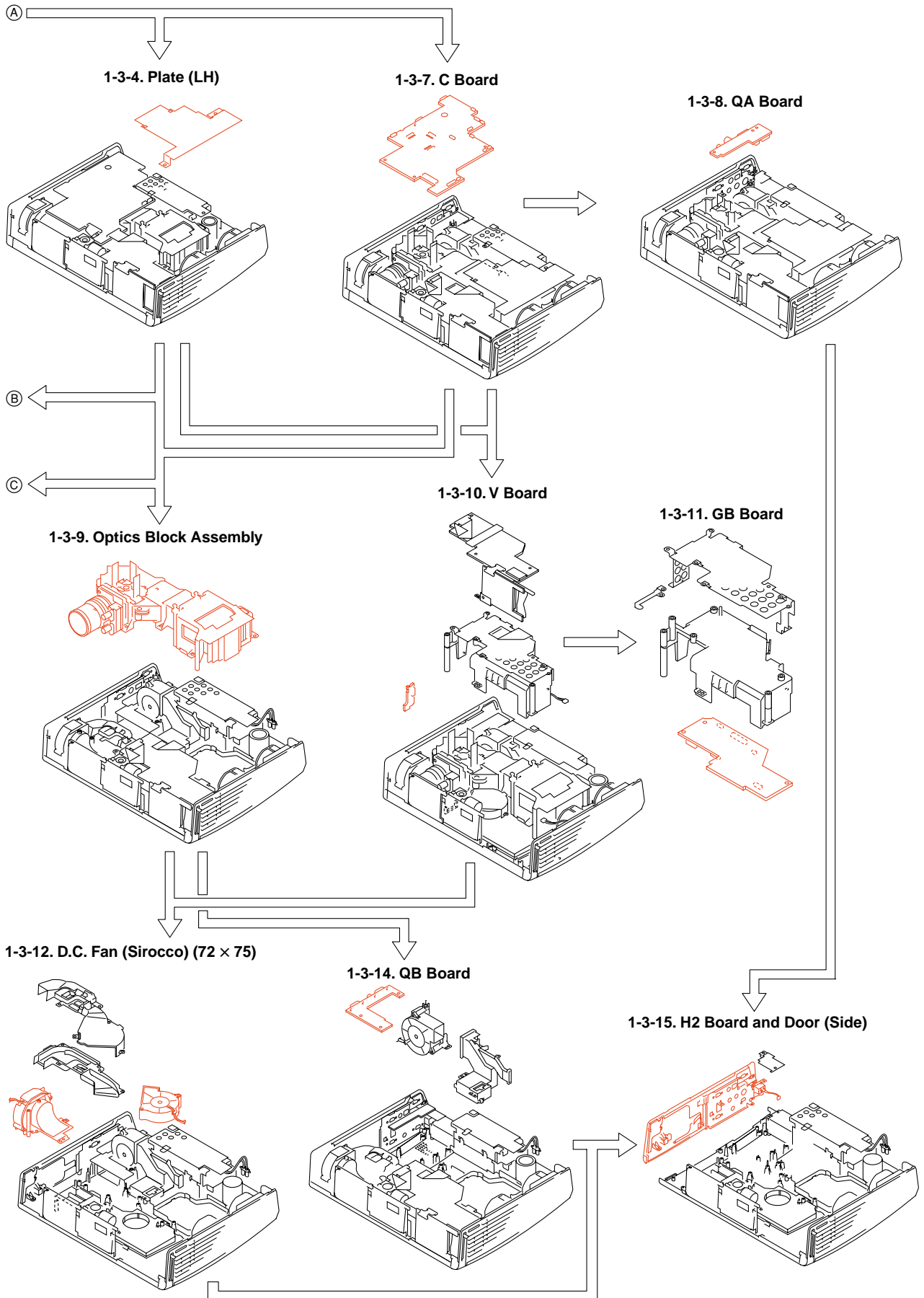


### 1-2. Board Locations

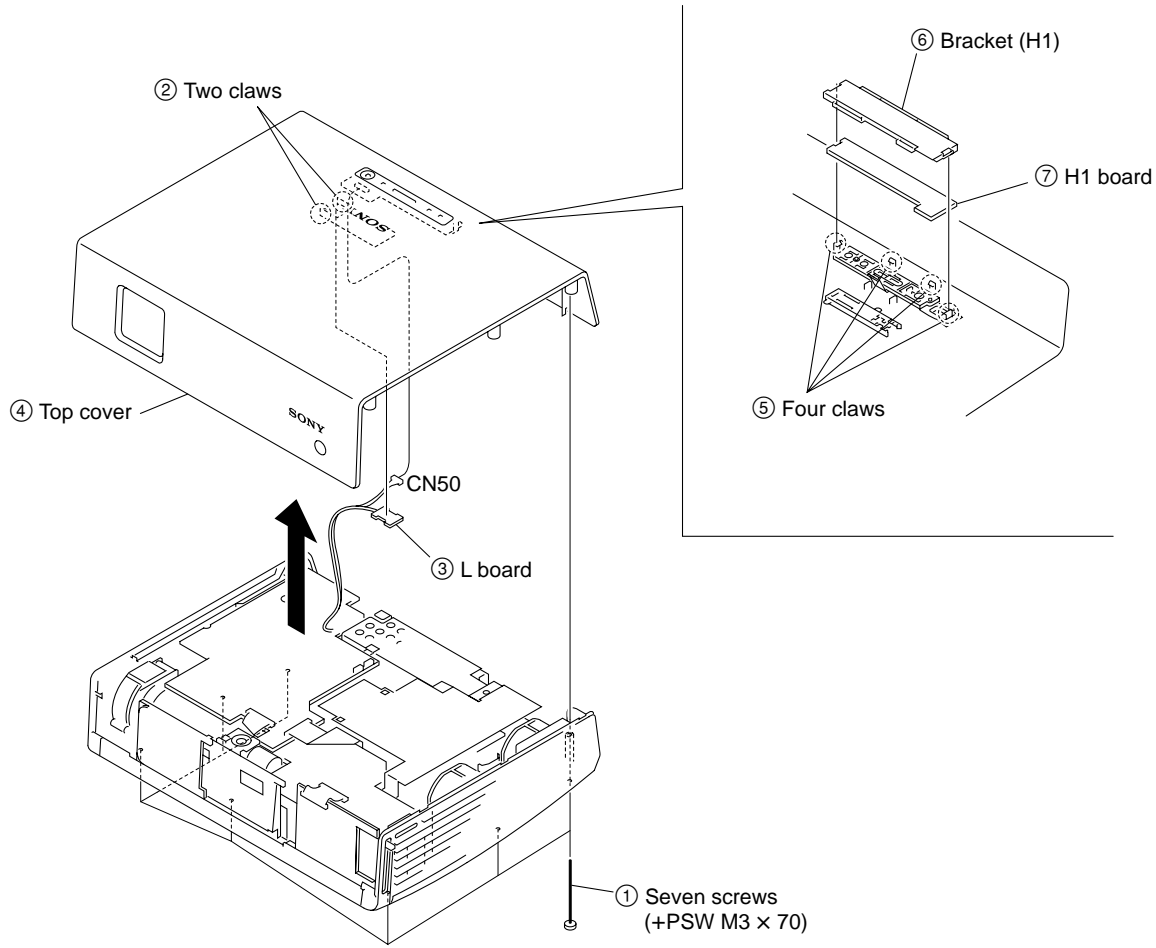


# 1-3. Disassembly

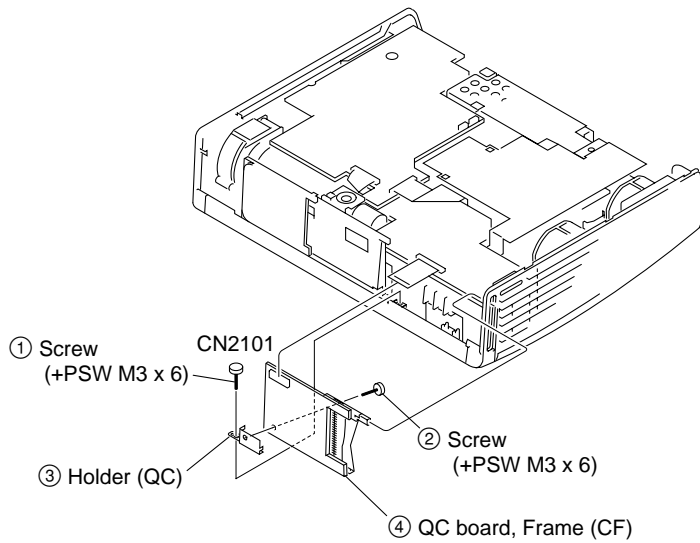




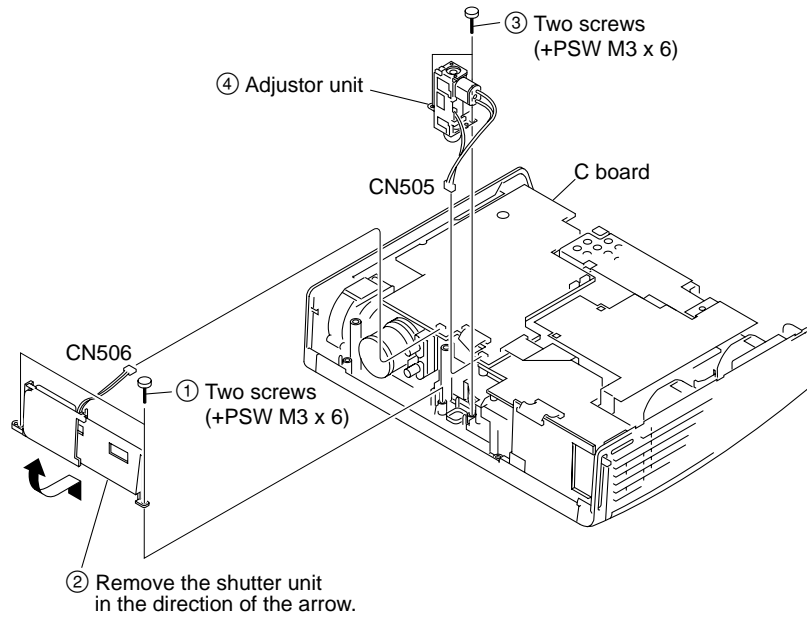
### 1-3-1. Top Cover



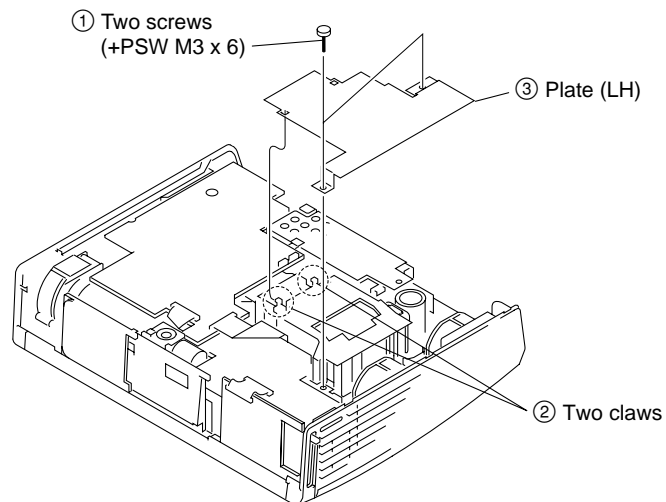
### 1-3-2. QC Board



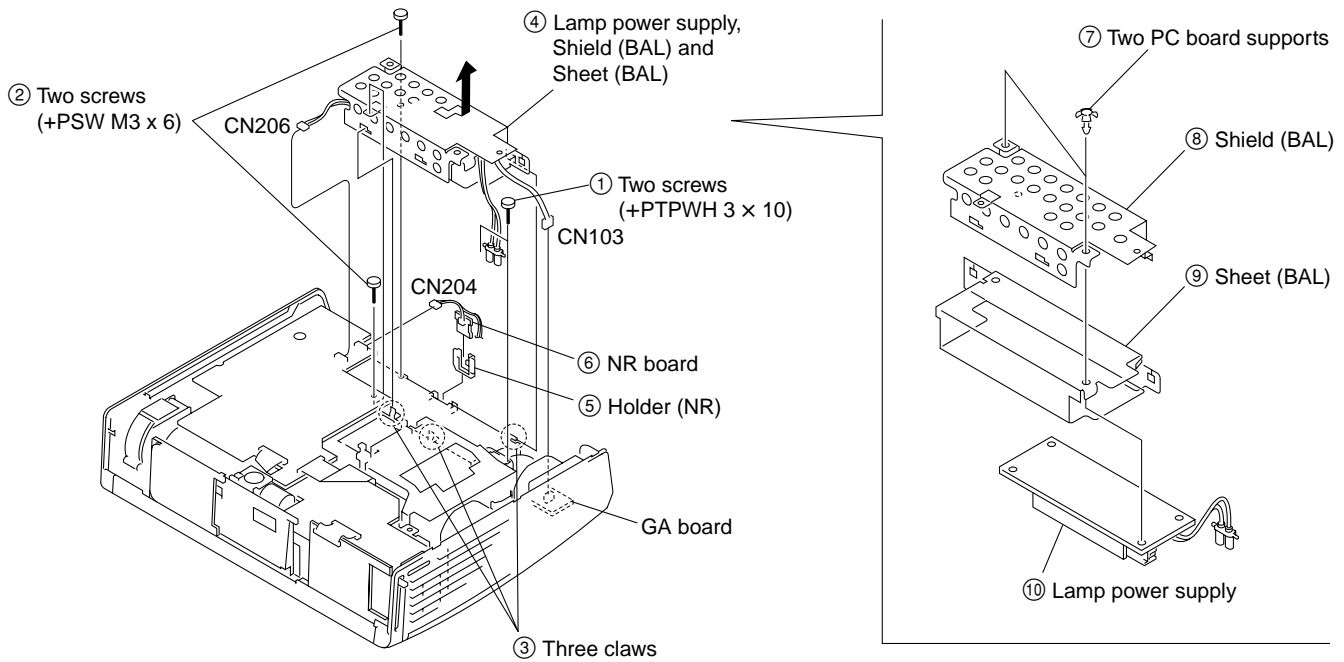
### 1-3-3. Adjustor Unit



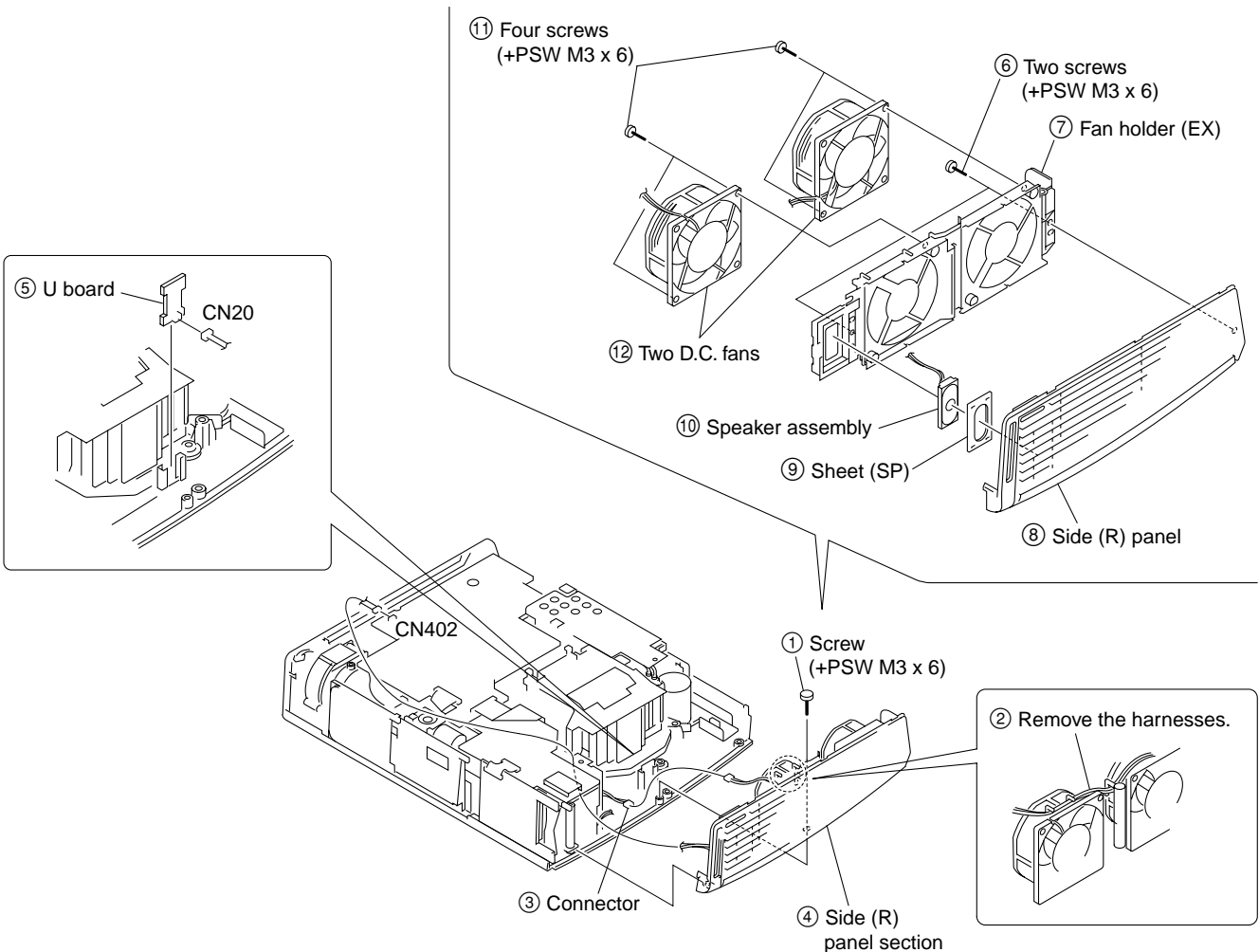
### 1-3-4. Plate (LH)



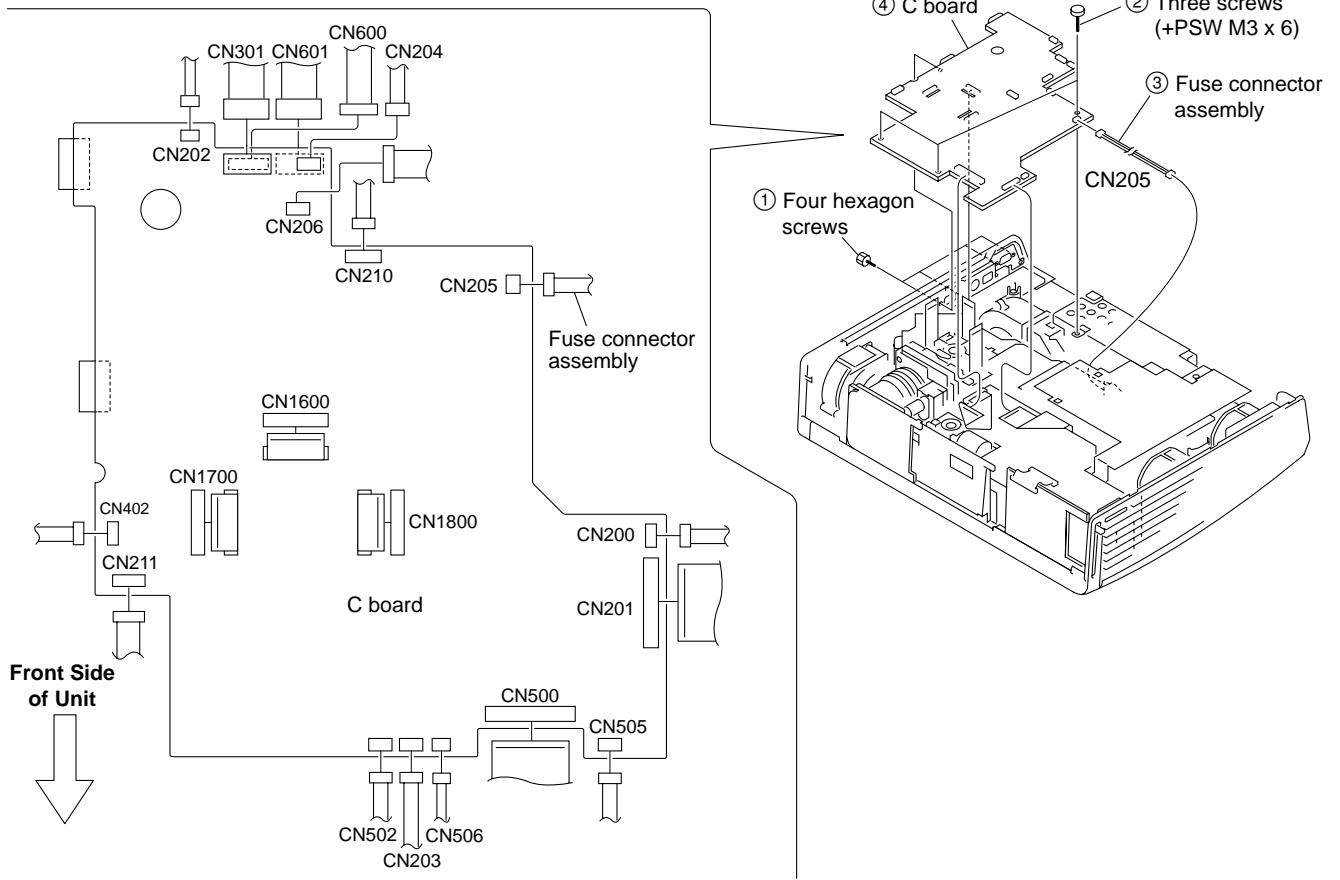
### 1-3-5. NR Board and Lamp Power Supply



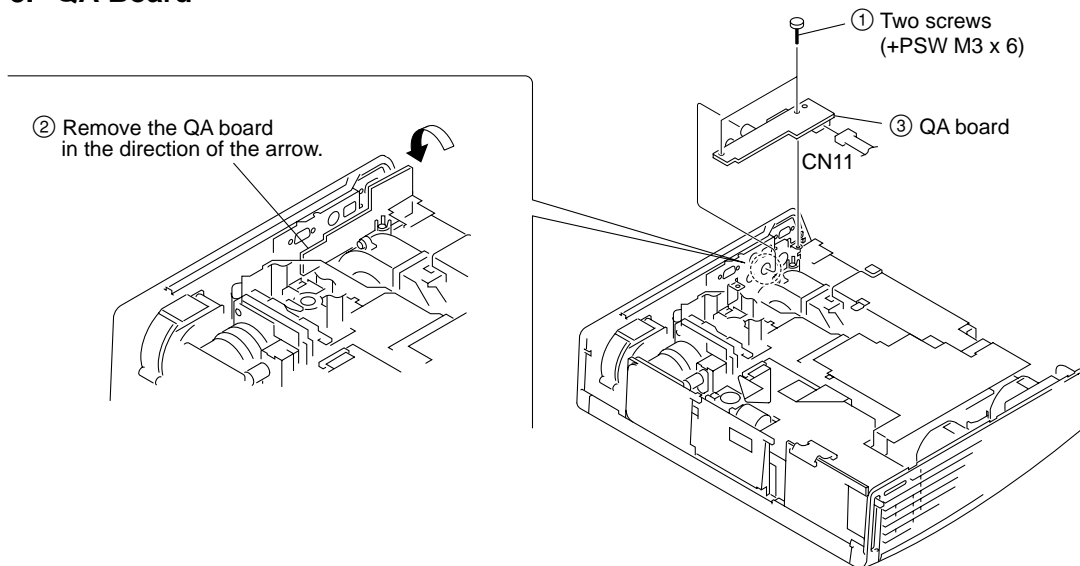
### 1-3-6. U Board and Speaker Assembly



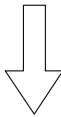
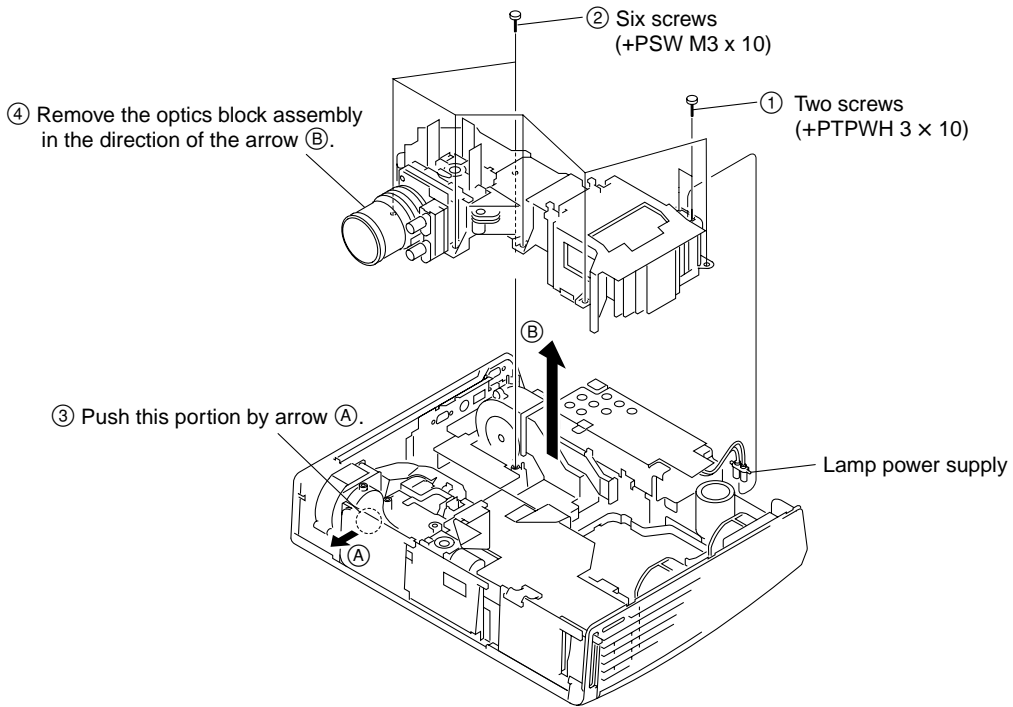
### 1-3-7. C Board



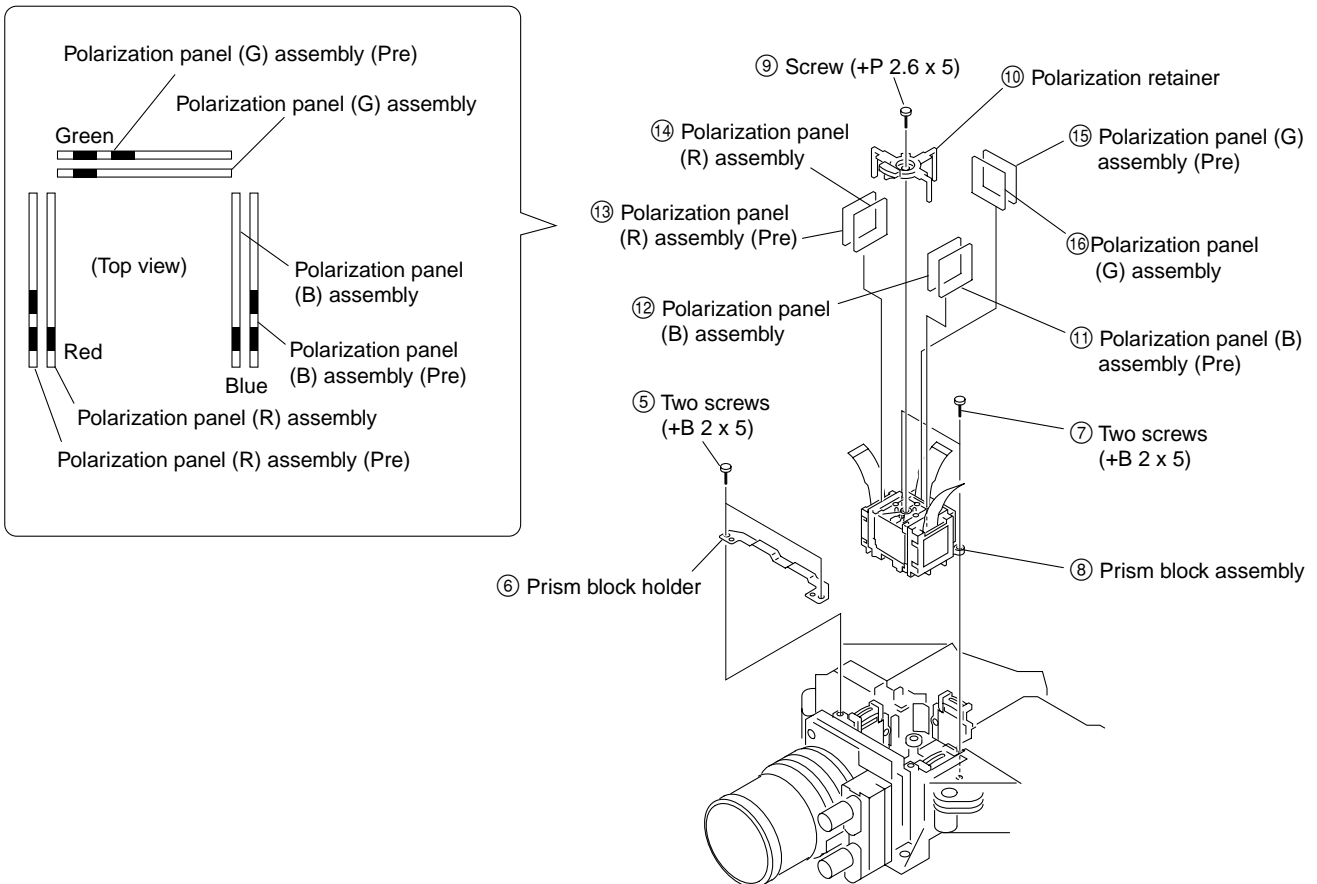
### 1-3-8. QA Board



### 1-3-9. Optics Block Assembly

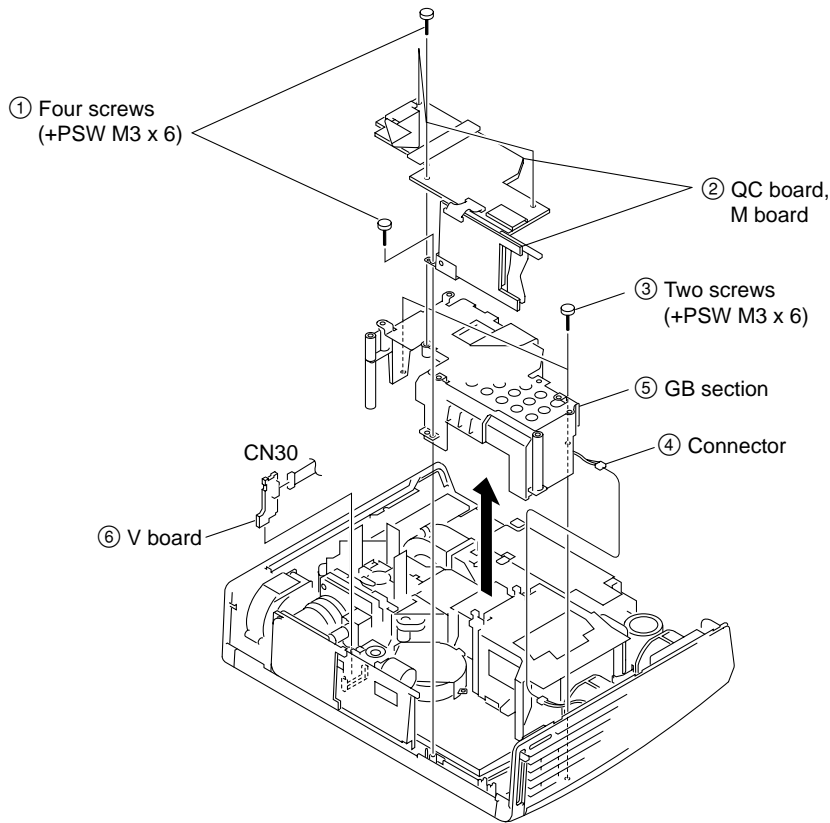


Position of the Polarization panel assembly (Pre), Polarization panel assembly

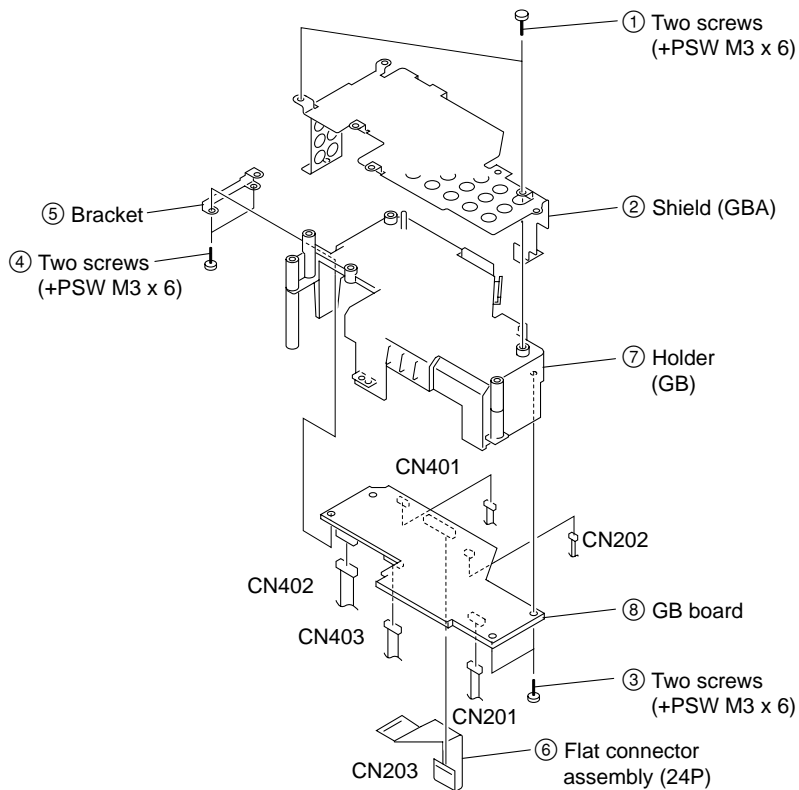




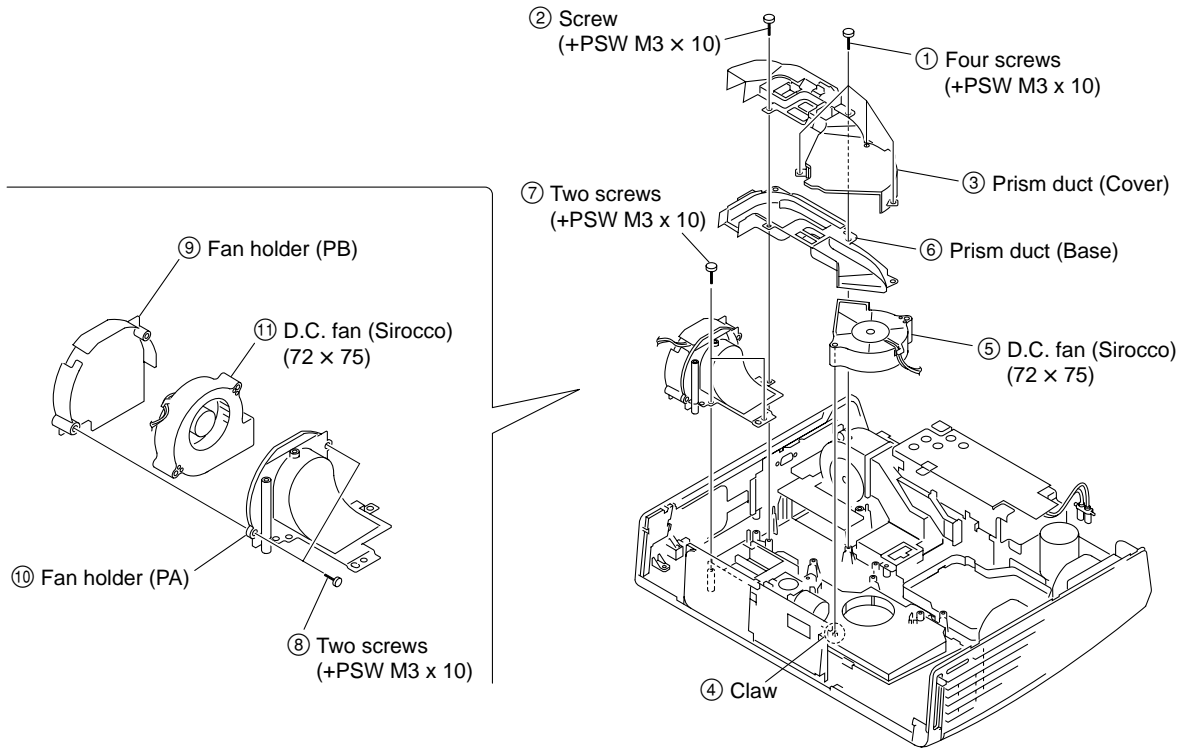
### 1-3-10. V Board



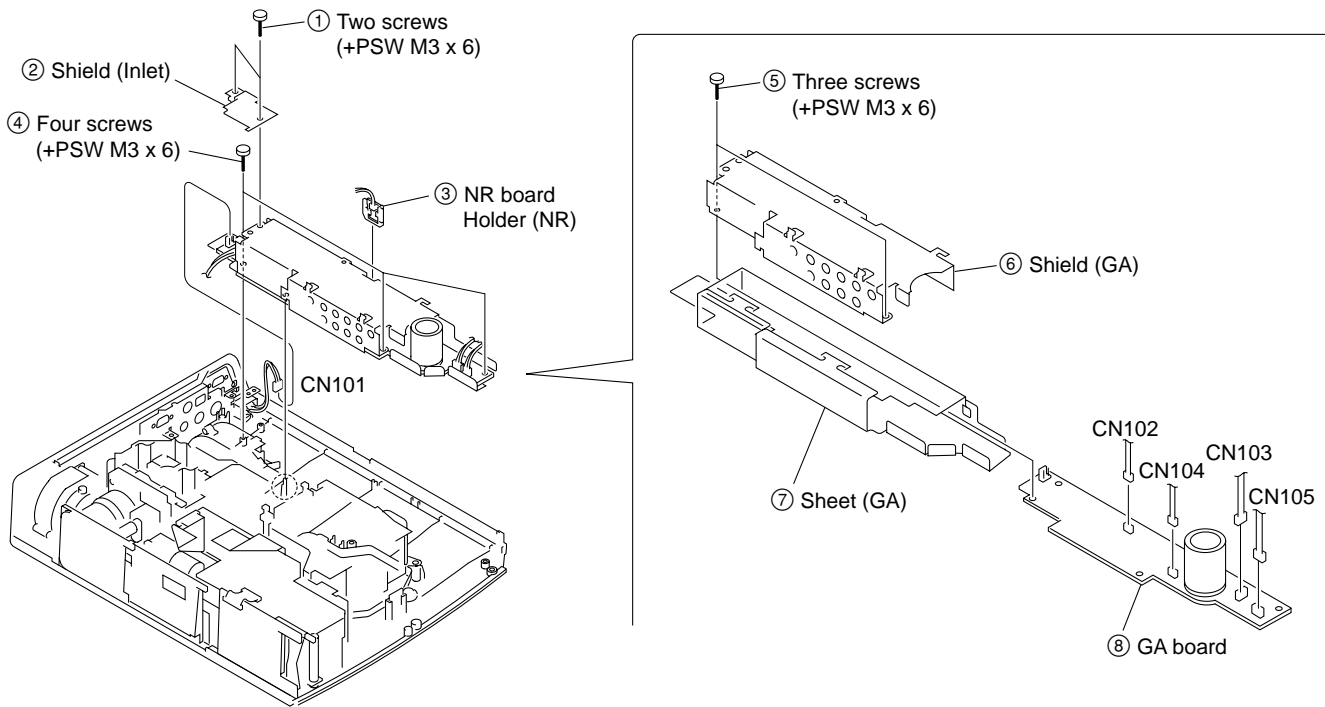
### 1-3-11. GB Board



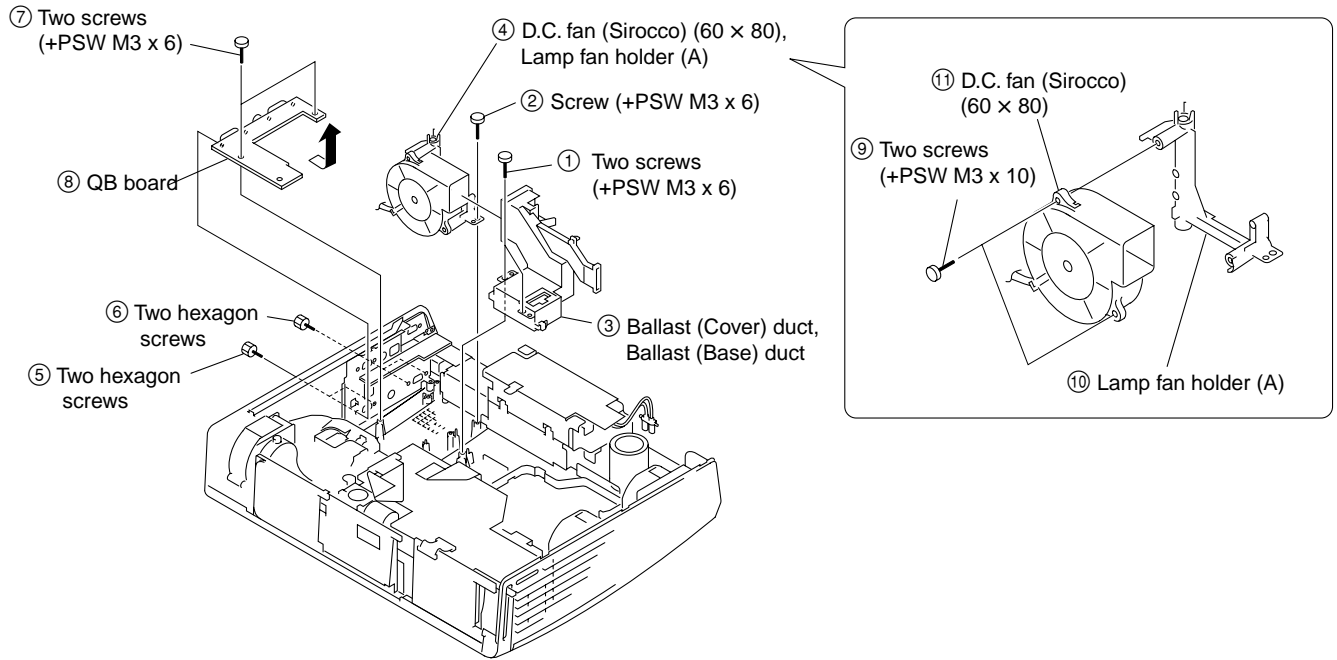
### 1-3-12. D.C Fan (Sirocco) (72 x 75)



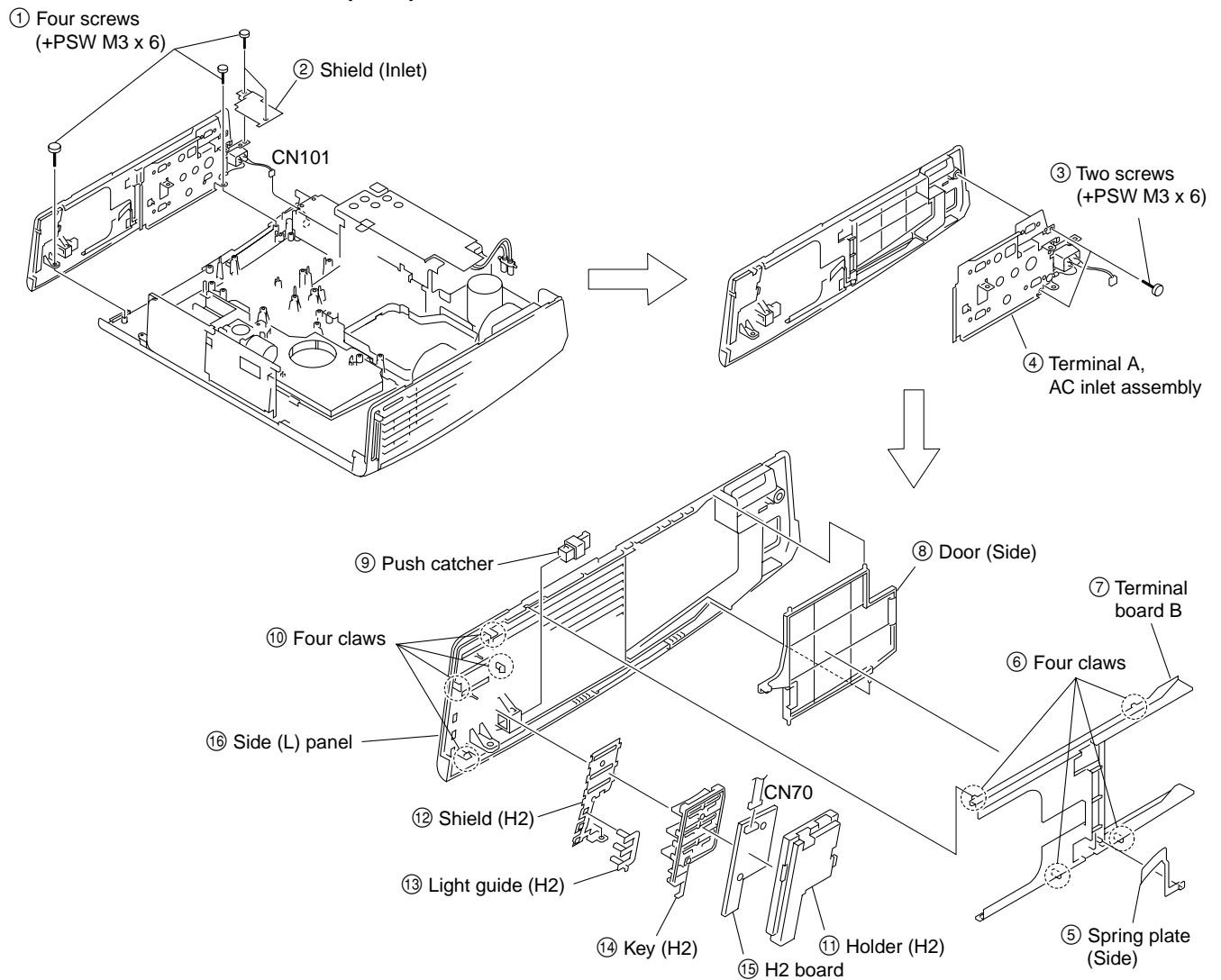
### 1-3-13. GA Board



### 1-3-14. QB Board



### 1-3-15. H2 Board and Door (Side)



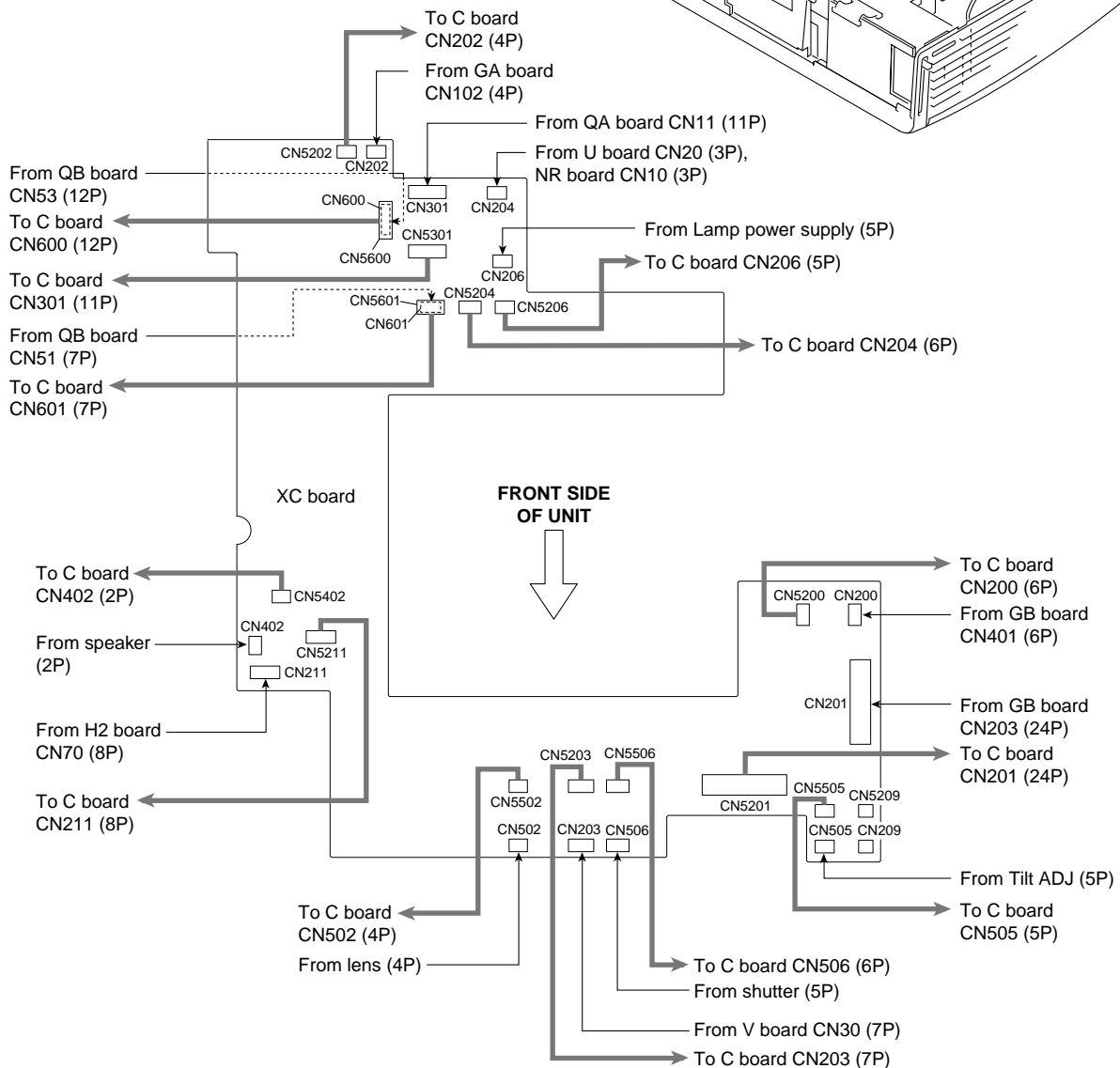
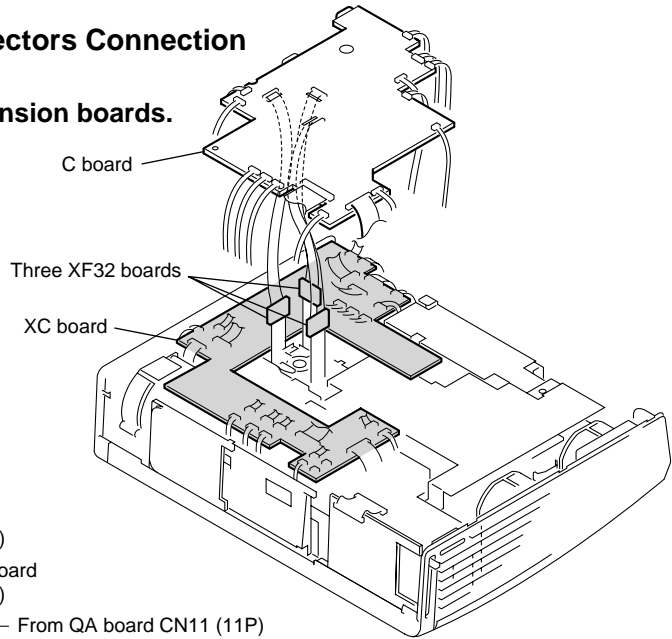
## 1-3-16. Extension Boards and Extension Connectors

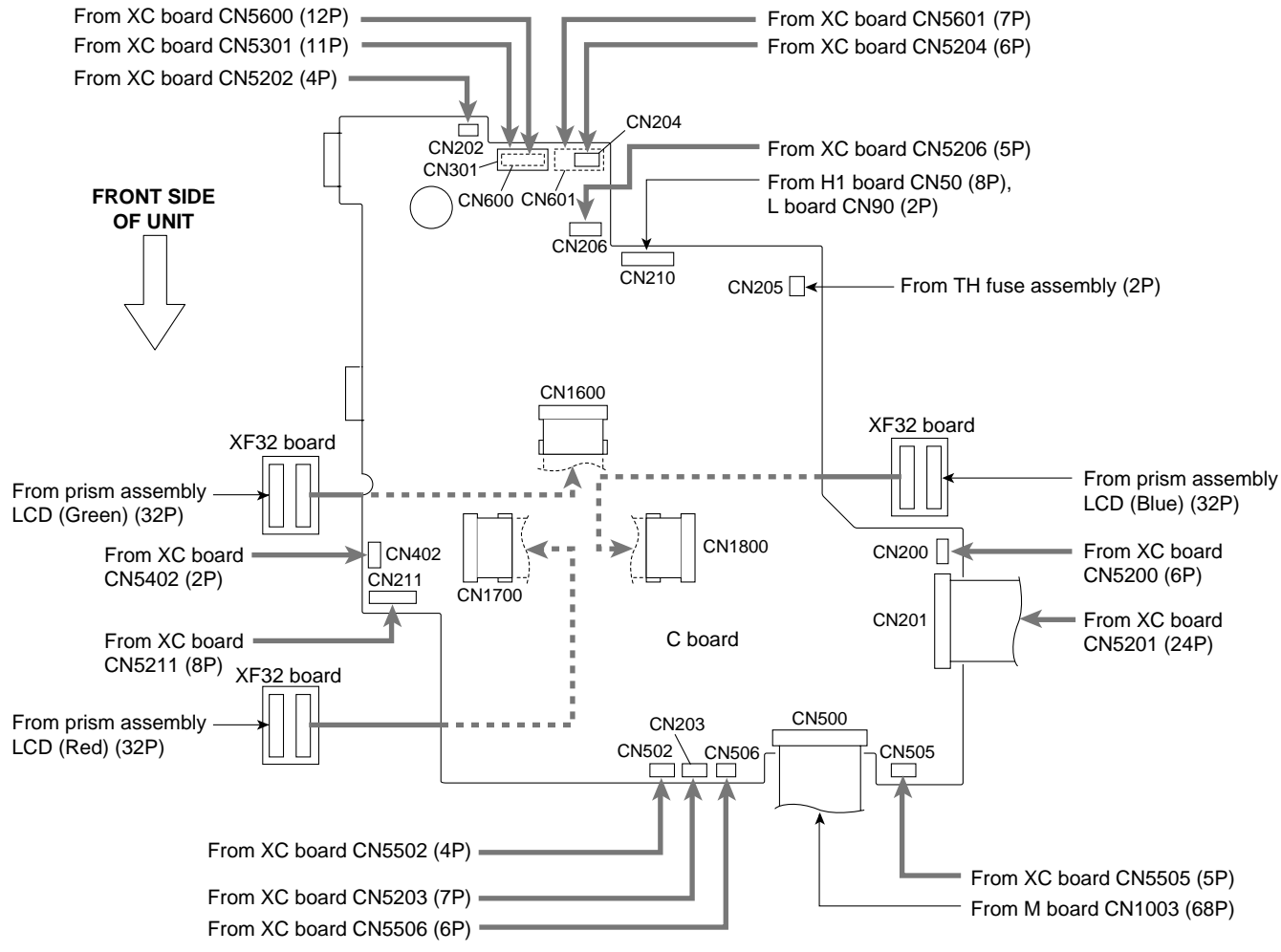
X kit assembly (Part No. A-1066-122-A)

XC board x1 XF32 board x 3 Harness x 14 Flat cable x5

## 1-3-17. Extension Boards and Extension Connectors Connection

### 1. C board extension with using XC and XF32 extension boards.





## 1-4. Writing in the USB Storage Media

When replacing the USB storage media, copy the following files into the USB storage media 8-892-388-39.

- \AS\_Inst.exe
- \Help\PS for Air Shot\ENG\PSAirShot.chm
- \Help\PS for Air Shot\JPN\PSAirShot.chm
- \INI\as\_inst.ini
- \ReadMe\PS for Air Shot\ENG\ReadMe.txt
- \ReadMe\PS for Air Shot\JPN\ReadMe.txt
- \Setup\PS for Air Shot\0x0409.ini
- \Setup\PS for Air Shot\0x0411.ini
- \Setup\PS for Air Shot\Data1.cab
- \Setup\PS for Air Shot\instmsia.exe
- \Setup\PS for Air Shot\instmsiw.exe
- \Setup\PS for Air Shot\isscript.msi
- \Setup\PS for Air Shot\Projector Station for Air Shot.msi
- \Setup\PS for Air Shot\setup.exe
- \Setup\PS for Air Shot\Setup.ini
- \Setup\PS for Air Shot\AirShot.ini (\*Note)

### Notes

- Be sure to copy the files of the newest version into the USB storage media.
- The AirShot.ini is different depending on the serial number of the projector. (Refer to Note : Method to create the AirShot.ini file.)

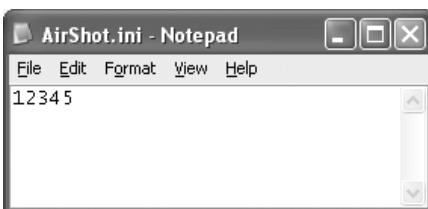
### Method to create the AirShot.ini file

1. Check the serial number of the target projector.
2. Open a text editor application of a PC, and type the lower five digits of the serial number. If the serial number is six digits or more, type only the lower five digits of the serial number. If the serial number is less than five digits, fill the blank digits with 0.

Example : When serial number is 1 → 00001

When serial number is 1234567 → 34567

3. Save the created text file as “AirShot.ini”.



## 1-5. Warning on Power Connection

Use the supplied power cord when you use the projector in your country.

Otherwise, use a proper power cord meeting the following specification.

	<b>The United States, Canada</b>		<b>Continental Europe</b>		<b>UK, Ireland, Australia, New Zealand</b>	<b>Japan</b>
Plug type	VM0233	290B	YP-12A	COX-07	– <sup>1)</sup>	YP332
Female end	VM0089	386A	YC-13B	COX-02	VM0310B	YC-13
Cord type	SJT	SJT	H05VV-F	H05VV-F	N13237/CO-228	VCTF
Rated Voltage & Current	10A/125V	10A/125V	10A/250V	10A/250V	10A/250V	7A/125V
Safety approval	UL/CSA	UL/CSA	VDE	VDE	VDE	DENAN
Cord length (max.)	4.5 m (177 1/4 inches)		–			

(1) Use the correct plug for your country.





## Section 2

# Electrical Adjustments

### 2-1. Preparation

#### 2-1-1. Required Equipment

- NTSC, PAL, SECAM component signal generator  
Sony Tektronix TG2000 + AVG1 (option module) +  
AWVG1 (option module) or equivalent
- VG (programmable video signal generator)  
VG854 or equivalent
- Illuminance meter
- Chromaticity meter

#### Note

Allow the warm-up time of 5 minutes after the power is on before starting the following adjustments.

#### 2-1-2. How to Enter the Factory Mode

1. Confirm that the MENU can be displayed.
2. Close the MENU.
3. Press the keys in the following order : **ENTER** → **ENTER** → **←** → **ENTER**.  
The message [Do you want to enter the Factory Mode?  
Yes : ↑ No : ↓] appears.  
Select [Yes : ↑].

#### [Supplementary information: How to Exit the Factory Mode]

Perform the step 3 KEY operation.

The message [Do you want to return to the User Mode?  
Yes : ↑ No : ↓] appears.  
Select [Yes : ↑].

### 2-2. V COM Adjustment

1. Connect the VG to the INPUT-A connector. Connect the FLAT FIELD 100 IRE signal to the input connector. Leave this unit with POWER ON for 10 minutes or longer for aging.
2. Enter the Factory Mode. Enter the Device Adjust MENU, and then enter the Panel Drive Adjustment MENU.
3. Connect the XGA, R-single color, 30 IRE, single-line ON/OFF signal to the input connector.
4. Enter the P. DRV Adjustment MENU, and then enter the VCOM R Adjustment screen.
5. Adjust the VCOM R value for minimum flicker.
6. Change the input signal to the XGA, G-single color, 30 IRE, single-line ON/OFF signal, and connect it to the input connector.
7. Enter the P. DRV Adjustment MENU, and then enter the VCOM G Adjustment screen.
8. Adjust the VCOM G value for minimum flicker.
9. Change the input signal to the XGA, B-single color, 50 IRE, single-line ON/OFF signal, and connect it to the input connector.
10. Enter the P. DRV Adjustment MENU, and then enter the VCOM B Adjustment screen.
11. Adjust the VCOM B value for minimum flicker.
12. Store the adjustment value in the memory.
13. Turn over the “Image flip” up side down and repeat the steps from 2 through 12.

## 2-3. Initial Values of Adjustment Items

MenuTitle	ItemName	Set Memory	Status Memory	MemoryName														Remarks	
				Picture Memory										W/B Memory					
				Video		S Video		Input-A		Input-B		Input-C		Video		Computer			
				Dynamic	Standard	Dynamic	Standard	Dynamic	Standard	Dynamic	Standard	Dynamic	Standard	High	Low	High	Low		
PICTURE SETTING	Picture Mode		Standard																
	Adjust Picture...																		
	Contrast			95	80	95	80	95	80	95	80	95	80						
	Brightness			50	50	50	50	50	50	50	50	50	50						
	Color			50	50	50	50	50	50										
	Hue			50	50	50	50	50	50										
	Sharpness			High	High	High	High	High	High										
	Gamma Mode			-	-	-	-	Graphics	Graphics	Graphics	Graphics	Graphics	Graphics						
Color Temp.			Low	Low	Low	Low	High	High	High	High	High	High							
Volume	30																		
INPUT SETTING	Adjust Signal...																		
	Dot Phase		15 (*)																
	H Size		*																
	Shift		*																
	Wide Mode			Off	Off	Off	Off	Off	Off										
Scan Conv							On	On	On	On									
SET SETTING	Smart APA	On																	
	Auto Input Search	Off																	
	Input-A Signal Sel.	Computer																	
	Input-C Select	Air Shot																	
	Color System	Auto																	
	Speaker	On																	
	Standby Mode	Standard																	
	Power Saving	Off																	
	IR Receiver	Front & Rear																	
	Illumination	On																	
Panel Key Lock	Off																		
MENU SETTING	Status	On																	
	Language	English																	
	Menu Position	Center																	
	Menu Color	White																	

MenuTitle	ItemName	Set Memory	Status Memory	MemoryName												W/B Memory				Remarks
				Picture Memory				Input-A				Input-B								
				Video		S Video		Input-A		Input-B		Input-C		Video		Computer				
				Dynamic	Standard	Dynamic	Standard	Dynamic	Standard	Dynamic	Standard	Dynamic	Standard	High	Low	High	Low			
INSTALL SETTING	Tilt...																			
	V Keystone	Auto																		
	Manual...	0																		
	Side Shot	0																		
	Image Flip	Off																		
	Background	Blue																		
	Test Pattern	Off																		
	Lamp Mode	Standard																		
	Lens Control	On																		
	Direct Power On	Off																		
High Altitude	Off																			
Security Lock	Off																			
	Default	Enter x 4																		
INFORMA -TION	fH	Display only																		
	fV	Display only																		
	(Memory No.)	Display only																		
	(Resolution)	Display only																		
	Lamp Timer	Display only																		
	ROM Version	Display only																		
	SC ROM Version	Display only																		
	Operation Timer	Display only																		
Prev. Lamp Timer	Display only																			
W/B SETTING	Gain R													152	152	152	152			
	G													152	140	152	140			
	B													152	140	152	140			
	Bias R													127	127	127	127			
	G													127	127	127	127			
	B													127	127	127	127			

\* : The “Dot Phase E, H Size, Shift H/V and Picture Mode” items in the “INPUT SETTING” menu have their respective initial values for each input signal (PRESET MEMORY No.).

**Note**

There are some adjustment items that cannot be adjusted, depending on the input signal.

Device Name	Item Name	MemoryName															Remarks			
		Set Memory	Status Memory	Chroma Memory						Channel Memory					Image Flip Memory					
				NT358/ NT443/ BW60	Pal/Pal-M/N/ Secam/ BW50	15 kRGB	Component (15k)	Double speed Component	HDTV (YPbPr)	HDTV(G BR)inc. Double speed	Video	S Video	Input -A	Input -B	Input -C	Up/Down inversion possible		Up/Down inversion not possible		
A/D Converter	ADC/	Clamp Position		*1																
		Clamp Width		*1																
		R Gain(Other)										15	-	88	88	88				
		R Gain(Component)										-	-	80	-	-				
		R Gain(VideoGBR)										-	-	88	-	-				
		G Gain(Other)										-	15	88	88	88				
		G Gain(Component)										-	-	120	-	-				
		G Gain(VideoGBR)										-	-	88	-	-				
		B Gain(Other)										-	15	88	88	88				
		B Gain(Component)										-	-	80	-	-				
		B Gain(VideoGBR)										-	-	88	-	-				
		R Offset(Other)										126	-	128	128	128				
		R Offset(Component)										-	-	128	-	-				
		R Offset(VideoGBR)										-	-	128	-	-				
		G Offset(Other)										-	128	128	128	128				
		G Offset(Component)										-	-	128	-	-				
		G Offset(VideoGBR)										-	-	128	-	-				
B Offset(Other)										-	128	128	128	128						
B Offset(Component)										-	-	128	-	-						
B Offset(VideoGBR)										-	-	128	-	-						
Bandwidth			3																	
Chroma/ D.Comb	Chroma/	Dither									2	2	2	2	2					
		Vd 10BitEn									1	1	1	1	1					
		Secam Nbw									1	1	1	1	1					
		Line2 A Sync									15	15	15	15	15					
		Line2 H Sync									7	7	7	7	7					
		Line2 Los									31	31	31	31	31					
		End Clamp	64																	
		Status 1	Display only																	
Status 2	Display only																			
Panel Driver	P.Drv	Offset R														122	122			
		Offset G														122	122			
		Offset B														122	122			
		V Common R														92	92			
		V Common G														92	92			
		V Common B														92	92			
		Psig 1 R	12																	
		Psig 1 G	12																	
		Psig 1 B	12																	
		Psig 2 R	83																	
		Psig 2 G	83																	
		Psig 2 B	83																	
		Signal Center R	30																	
		Signal Center G	30																	
Signal Center B	30																			
Gain R	160																			
Gain G	160																			
Gain B	160																			
SH/	SH1	32																		

Device Name	Item Name		MemoryName														Remarks					
			Set Memory	Status Memory	Chroma Memory					Channel Memory					Image Flip Memory							
					NT358/ NT443/ BW60	Pal/Pal-M/N/ Secam/ BW50	15 kRGB	Component (15k)	Double speed Component	HDTV (YPbPr)	HDTV(G BR)inc. Double speed	Video	S Video	Input -A	Input -B	Input -C		Up/Down inversion possible	Up/Down inversion not possible			
Other	3D	Through	0																			
		SW	1																			
		HST Width	0																			
	Temp/	Thresh Lamp																			Non Adjustable	Non Adjustable
		Thresh Panel																			Non Adjustable	Non Adjustable
		Thresh Atmos																			Non Adjustable	Non Adjustable
	Fan/	Hi Alt Const																			Non Adjustable	Non Adjustable
		High Alt Cofe																			Non Adjustable	Non Adjustable
	Fan1/	Cont Max																			Non Adjustable	Non Adjustable
		Speed Max																			Non Adjustable	Non Adjustable
		Speed Min																			Non Adjustable	Non Adjustable
		Cont Slope																			Non Adjustable	Non Adjustable
	Fan2/	Cont Max																			Non Adjustable	Non Adjustable
		Speed Max																			Non Adjustable	Non Adjustable
		Speed Min																			Non Adjustable	Non Adjustable
		Cont Slope																			Non Adjustable	Non Adjustable
	Fan3/	Cont Max																			Non Adjustable	Non Adjustable
		Speed Max																			Non Adjustable	Non Adjustable
		Speed Min																			Non Adjustable	Non Adjustable
		Cont Slope																			Non Adjustable	Non Adjustable
	Other/	Synchronous	1																			
		Tilt C0	Factory adj. Value																			
		Tilt C1	Factory adj. Value																			
Tilt C2		Factory adj. Value																				
X Tilt		Display only																				
Y Tilt		Display only																				
TL		Display only																				
TP		Display only																				
TA		Display only																				
Gamma		Factory adj. Value																				

**Note**

There are some adjustment items that cannot be adjusted, depending on the input signal.

## 2-4. Service Know-How

### 2-4-1. When the Prism Block Is Replaced

1. Perform the V COM adjustment. (Refer to Section “2-2. VCOM Adjustment”.)
2. Write LUT and 3D GAMMA data that are supplied with the prism block.
3. Perform the white balance adjustment. (Refer to Section “2-5. White Balance Adjustment”.)

### 2-4-2. When the Board is Replaced

**Note**

No item needs to be adjusted when boards other than the C board are replaced.

**When the C board is replaced**

1. Install the IC103 and IC1503 that are removed from the old C board, into the new C board.
2. Enter the Factory Mode, and select Other in DEVICE ADJUST.
3. Shorten the TILT adjuster to its shortest limit on the flat workbench.
4. At this time, the value of 38 Other/X Tilt is read and inputted in the 35 Other/Tilt C0.
5. Secure the unit so that it faces upward in the vertical position.
6. At this time, the value of 38 Other/X Tilt is read and inputted in the 36 Other/Tilt C1.
7. Secure the unit so that it faces downward in the vertical position.
8. At this time, the value of 38 Other/X Tilt is read and inputted in the 37 Other/Tilt C2.
9. Press the MEMORY key and save the adjustment value.

**Note**

Perform adjustment under the environment of  $25 \pm 5^{\circ}\text{C}$ .

## 2-5. White Balance Adjustment

### Preparation before adjustment

1. Input the 100 IRE XGA flat field signal to the INPUT-A connector and allow the warm-up of 10 minutes aging at a minimum.
2. Enter the Service Mode.

Press the keys in the following order.

**ENTER** → **ENTER** → **↑** → **↓** → **ENTER**.

The message [Do you want to enter the Service Mode?

Yes : **↑** No : **↓**] appears.

Select [Yes : **↑**].

### [Supplementary information: How to Exit the Service Mode]

Perform the step 2 KEY operation.

The message [Do you want to return to the User Mode?] appears.

Select [Yes : **↑**].

### 2-5-1. HIGH Mode of INPUT-A

Input the XGA 10 STEP signal to the INPUT-A connector, and see the chromaticity of each tone.

If the chromaticity of each mode deviates, perform the following adjustment.

Before adjusting each mode, confirm that CONTRAST is 80, BRIGHT is 50, GAIN of R.G.B is 152, and BIAS is 127.

Select Computer for the Input-A signal type.

1. Input the 100 IRE XGA flat field signal to the INPUT-A connector.
2. Measure the chromaticity (x, y). Set CONTRAST and BRIGHT to MAX only during this measurement. After the adjustment is completed, set CONTRAST to 80, and BRIGHT to 50.
3. Input the 80 IRE XGA flat field signal to the INPUT-A connector.
4. Adjust the chromaticity (x, y) to the one set in step 2 by GAIN R and GAIN B of the HIGH mode of W/B.
5. Input the 30 IRE XGA flat field signal to the INPUT-A connector.
6. Adjust the chromaticity (x, y) to the one set in step 2 by GAIN R and GAIN B of the HIGH mode of W/B.
7. Repeat steps 3 to 6 above until the chromaticity (x  $\pm 0.002$ , y  $\pm 0.003$ ) with reference to the chromaticity that is measured at step 2 is obtained.
8. Press the MEMORY key and save the adjustment value.

### 2-5-2. LOW Mode of INPUT-A

1. The target chromaticity of the adjustment is (0.327, 0.362).
2. Input the 80 IRE XGA flat field signal to the INPUT-A connector.
3. Adjust the GAIN R and GAIN B in the LOW mode of W/B until the chromaticity (x, y) that is measured at step 1 is obtained.
4. Input the 30 IRE XGA flat field signal to the INPUT-A connector.
5. Adjust the GAIN R and GAIN B in the LOW mode of W/B until the chromaticity (x, y) that is measured at step 1 is obtained.
6. Repeat steps 2 to 5 above until the chromaticity (x  $\pm 0.002$ , y  $\pm 0.003$ ) with reference to the chromaticity that is measured at step 1 is obtained.
7. Press the MEMORY key and save the adjustment value.

### 2-5-3. HIGH Mode of VIDEO

Set Component for the input A signal type.

1. The target chromaticity of the adjustment is (0.293, 0.295).
2. Input the 80 IRE Component flat field signal to the INPUT-A connector.
3. Adjust the GAIN R and GAIN B in the LOW mode of W/B until the chromaticity (x, y) that is measured at step 1 is obtained.
4. Input the 30 IRE Component flat field signal to the INPUT-A connector.
5. Adjust the GAIN R and GAIN B in the HIGH mode of W/B until the chromaticity (x, y) that is measured at step 1 is obtained.
6. Repeat steps 2 to 5 above until the chromaticity (x  $\pm 0.002$ , y  $\pm 0.003$ ) with reference to the chromaticity that is measured at step 1 is obtained.
7. Press the MEMORY key and save the adjustment value.

### 2-5-4. LOW Mode of VIDEO

1. The target chromaticity of the adjustment is (0.300, 0.310).
2. Input the 80 IRE Component flat field signal to the INPUT-A connector.
3. Adjust the GAIN R and GAIN B in the LOW mode of W/B until the chromaticity (x, y) that is measured at step 1 is obtained.
4. Input the 30 IRE Component flat field signal to the INPUT-A connector.
5. Adjust the GAIN R and GAIN B in the HIGH mode of W/B until the chromaticity (x, y) that is measured at step 1 is obtained.
6. Repeat steps 2 to 5 above until the chromaticity (x  $\pm 0.002$ , y  $\pm 0.003$ ) with reference to the chromaticity that is measured at step 1 is obtained.
7. Press the MEMORY key and save the adjustment value.

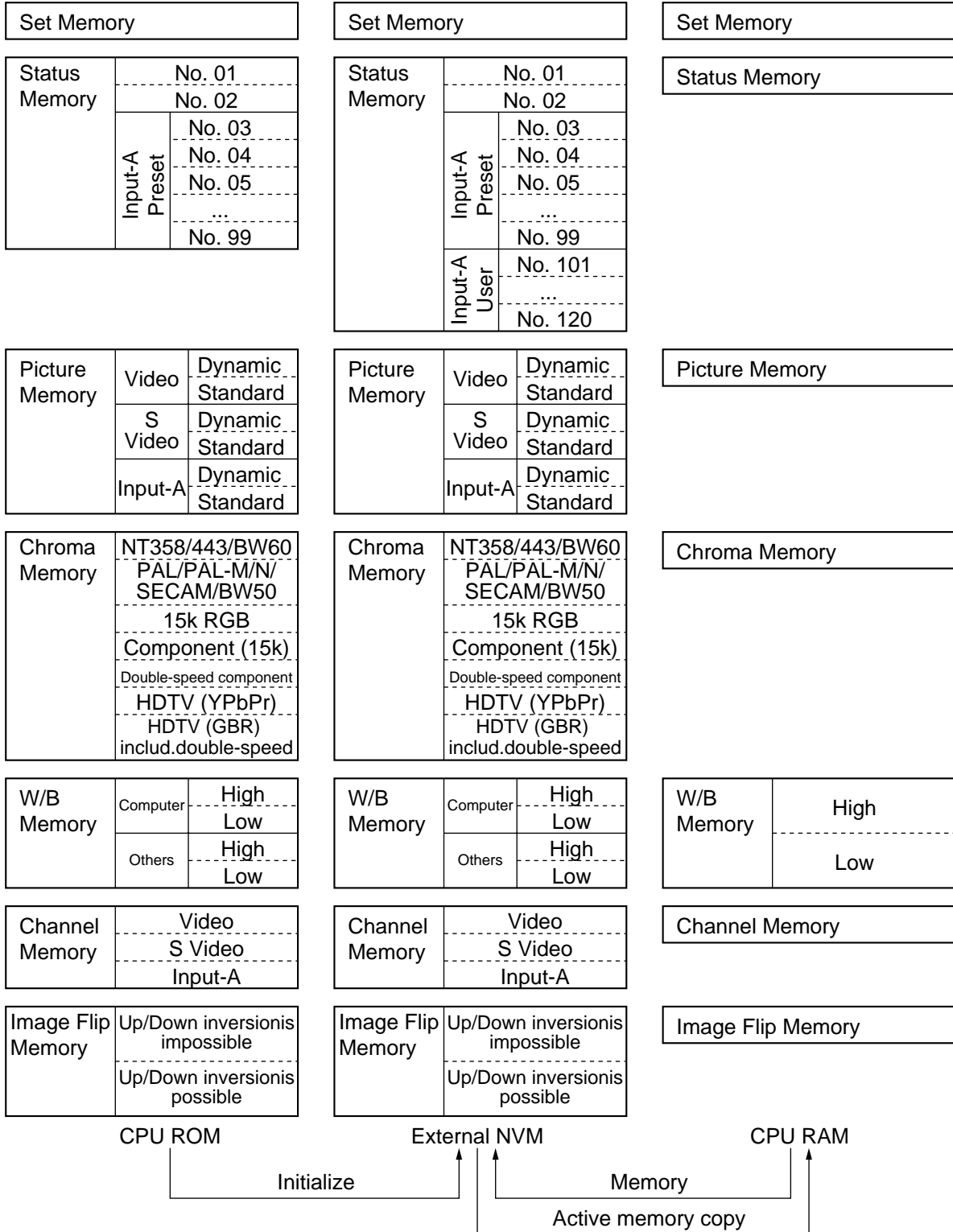
## 2-6. Memory Structure

### Memory Structure

CPU internal ROM : 384 K byte Flash Memory

CPU internal RAM : 30 K byte

External NVM memory : 8 K byte EEPROM





Memory structure consists of the followings.

- 1 Set memory
- 2 Status memory
- 3 Picture memory
- 4 Chroma memory
- 5 W/B memory
- 6 Channel memory
- 7 Image Flip memory

\* The gamma memory is realized by giving offset to Contrast and Brightness output values to the devices in the gamma mode function.

Flow of data is described briefly. When the power plug is connected to the wall outlet for the first time (Standby state), all data that are stored in the internal ROM are written in the NVM(non-volatile memory). When the POWER is turned ON, all the status memory data and other memory data that are required for the present picture are selected from each memory block and expanded in the internal RAM.

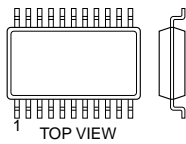
When any adjustment is performed at this moment, the adjustment data (user mode items) are written in the NVM (Service/Special Service item) automatically triggered by the memory operation.

The adjustment items (W/B, Device Adjust) that can be adjusted in the Service Mode or in the Special Service Mode, are memorized in the NVM at the time when the user performs adjustment and performs the memory operation. Note that the factory adjustment data will be lost at this moment.



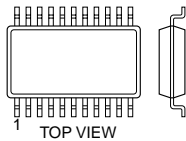
## Section 3 Semiconductors

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BA10358FV-E2  
BA6287F-E2  
BR24L64F-WE2  
CY25033S2C-1T  
HN58X24256FPPIZ  
IRMF-A0T-QTP  
M24C64-WMN6T(B)  
MC33262DR2  
MM1096AFF  
SI4403DY-T1  
SN75453BPS  
SN75453BPSR  
ST24FC21M6TR  
TC7W126FU(TE12R)  
TC7WH04FK(TE85R)  
TC7WH125FK(TE85R)  
TC7WH14FK(TE85R)  
TC7WH32FK(TE85R)  
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TC7WH34FU(TE12R)  
TC7WH74FK(TE85R)  
UPC393G2  
UPC393G2-E2



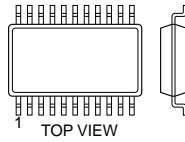
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SN74LV125APWR  
SN75240PWR



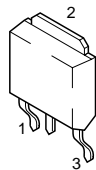
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BA6288FS-E2  
CXA1875AM  
CXA1875AM-T4  
CY27027ZCT  
CY27027ZZCT  
EL4332CS-TE2  
EL5364IUZ-T7  
MC74HC4052ADTR2  
SN74LV4052APWR  
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TC74VHC138FT(EL)  
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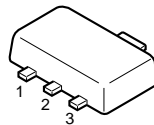


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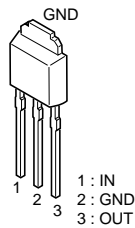
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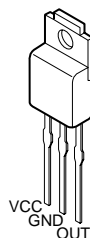
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AIC1117A-33PYJTR  
AIC1117A-50PYJTR



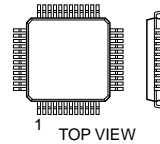
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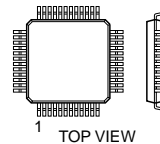


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CXA7005R-T4



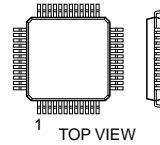
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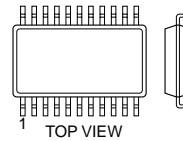
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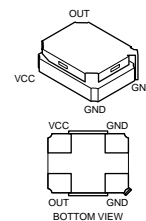
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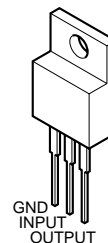


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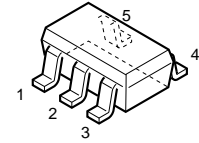
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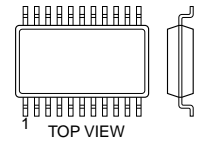
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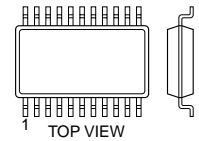


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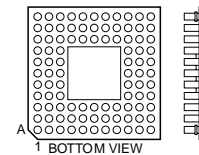
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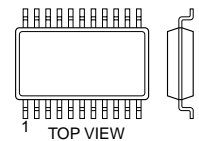
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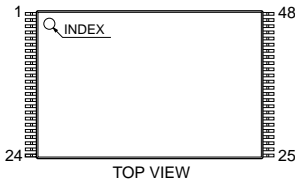
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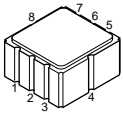


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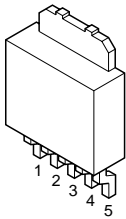
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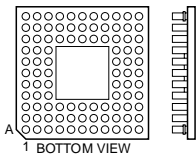
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PQ20WZ1UJ00H

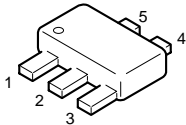


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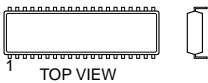


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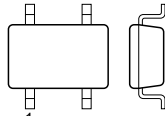


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SI4403Y



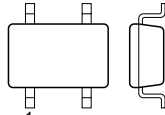
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TC7SH08FU(TE85R)  
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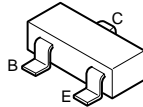
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TK11900MTL

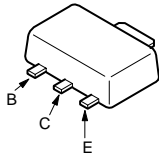


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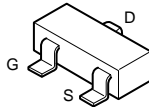
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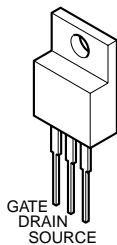
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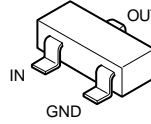
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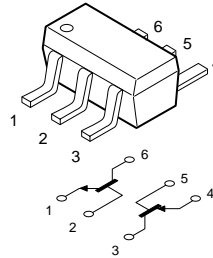
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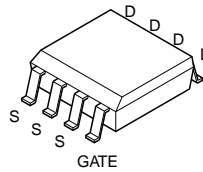
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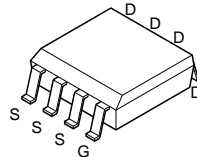
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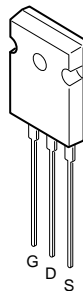
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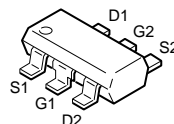
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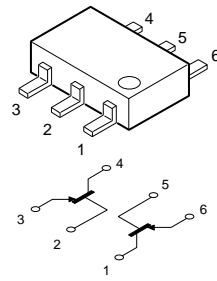
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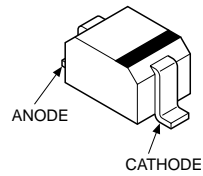
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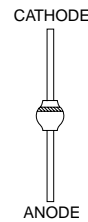
XP4501-TXE



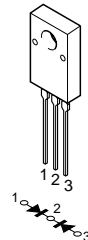
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MA111-(K8).S0  
MA111-TX  
RD27SB-T1  
RD30SB-T1  
RD39SB-T1  
RD5.6SB-T1  
RD9.1SB2  
RD9.1SB2-T1



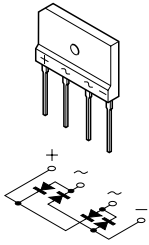
BZT03-C180



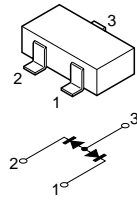
D10SC4M  
D10SC6M  
D10SC6M(RECTI)



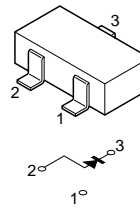
**D10XB80**



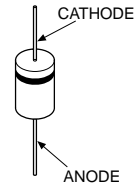
**DAP202K(DUAL)  
DAP202K-T-146**



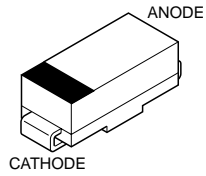
**RD18M-B1  
RD18M-T1B1**



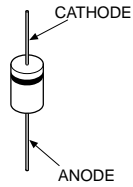
**UF4005PKG23**



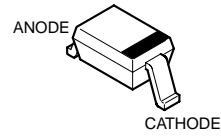
**D1FL20U-TA  
D1FS4  
D1FS4A-TA  
D1FS4-TB  
DIFL40  
RB501V-40TE17  
RB501V-40TE-17**



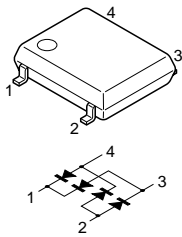
**ERA22-08KFLB**



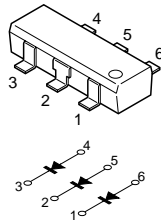
**RD3.9UM-T1B**



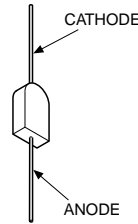
**D1UBA80**



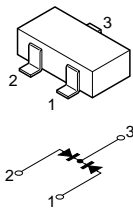
**HN1D03FU-TE85L  
HN1D03FU-TE85R**



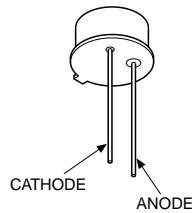
**RM11A  
RM11C(RECTI)**



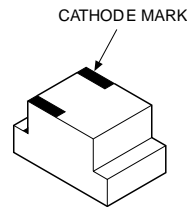
**DAN202K  
DAN202K-T-146**



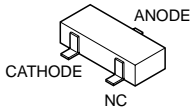
**MA3J14700LSO**



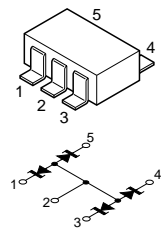
**SEC1801C  
SEC1901C  
SEC2422C**



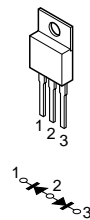
**DAN202U  
DAN202UT106**



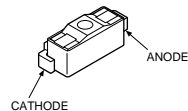
**NNCD5.6LG-T1**



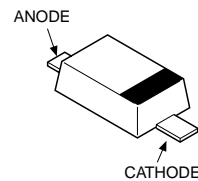
**SF10L60U**



**NSCW215T**



**UDZSTE-173.9B**





## Section 4

### Spare Parts

#### 4-1. Notes on Repair Parts

##### 1. Safety Related Components Warning

###### **WARNING**

Components marked  $\triangle$  are critical to safe operation. Therefore, specified parts should be used in the case of replacement.

###### **WARNHINWEIS**

Les composants identifiés par la marque  $\triangle$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

##### 2. Standardization of Parts

Some repair parts supplied by Sony differ from those used for the unit. These are because of parts commonality and improvement. Parts List has the present standardized repair parts.

##### 3. Stock of Parts

Parts marked with “o” at SP (Supply Code) column of the Spare Parts list may not be stocked. Therefore, the delivery date will be delayed. Items with no part number and no description are not stocked because they are seldom required for routine service.

##### 4. Units for Capacitors, Inductors and Resistors

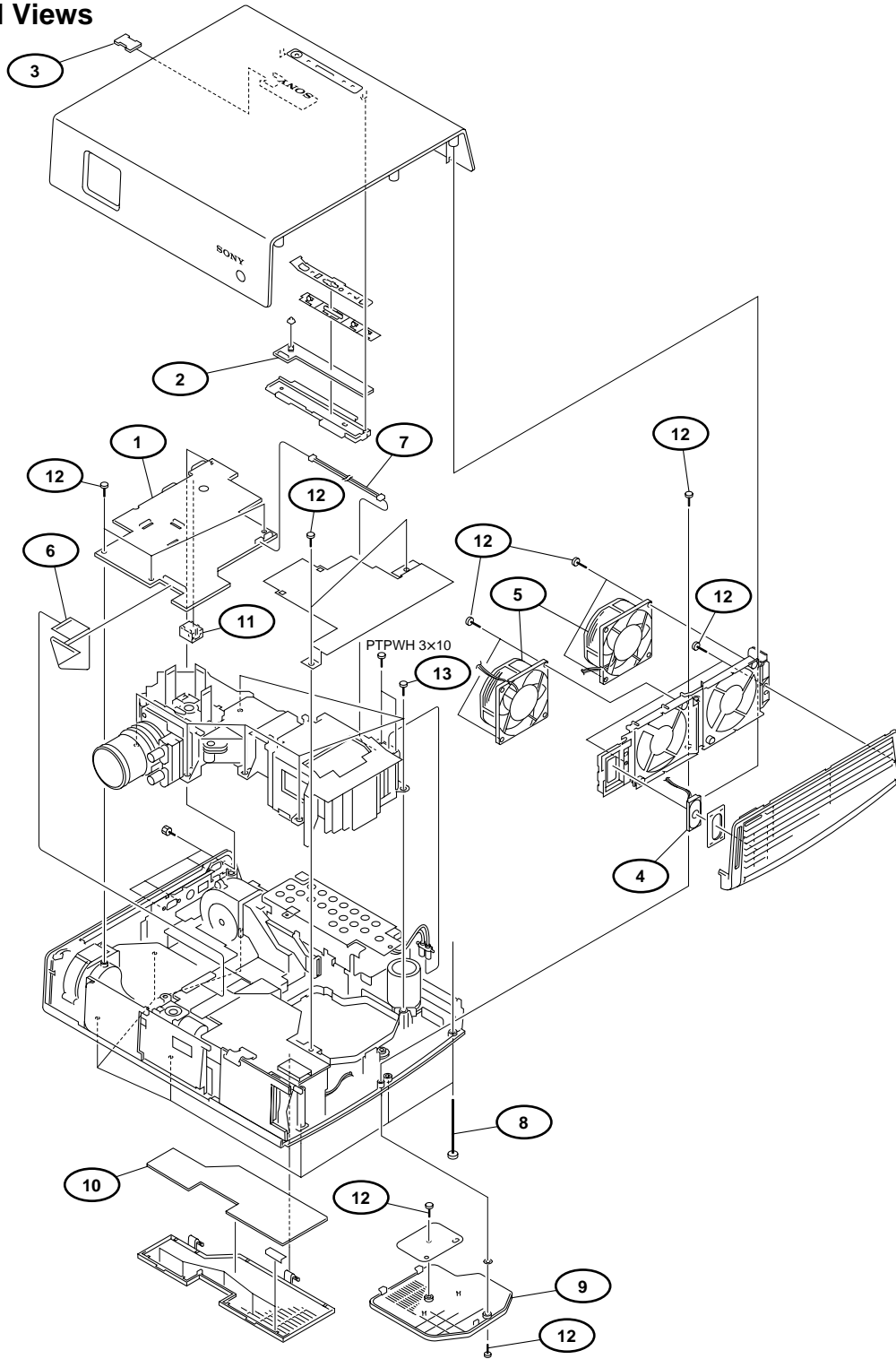
The following units are assumed in Schematic Diagrams, Electrical Parts List and Exploded Views unless otherwise specified.

Capacitors :  $\mu\text{F}$

Inductors :  $\mu\text{H}$

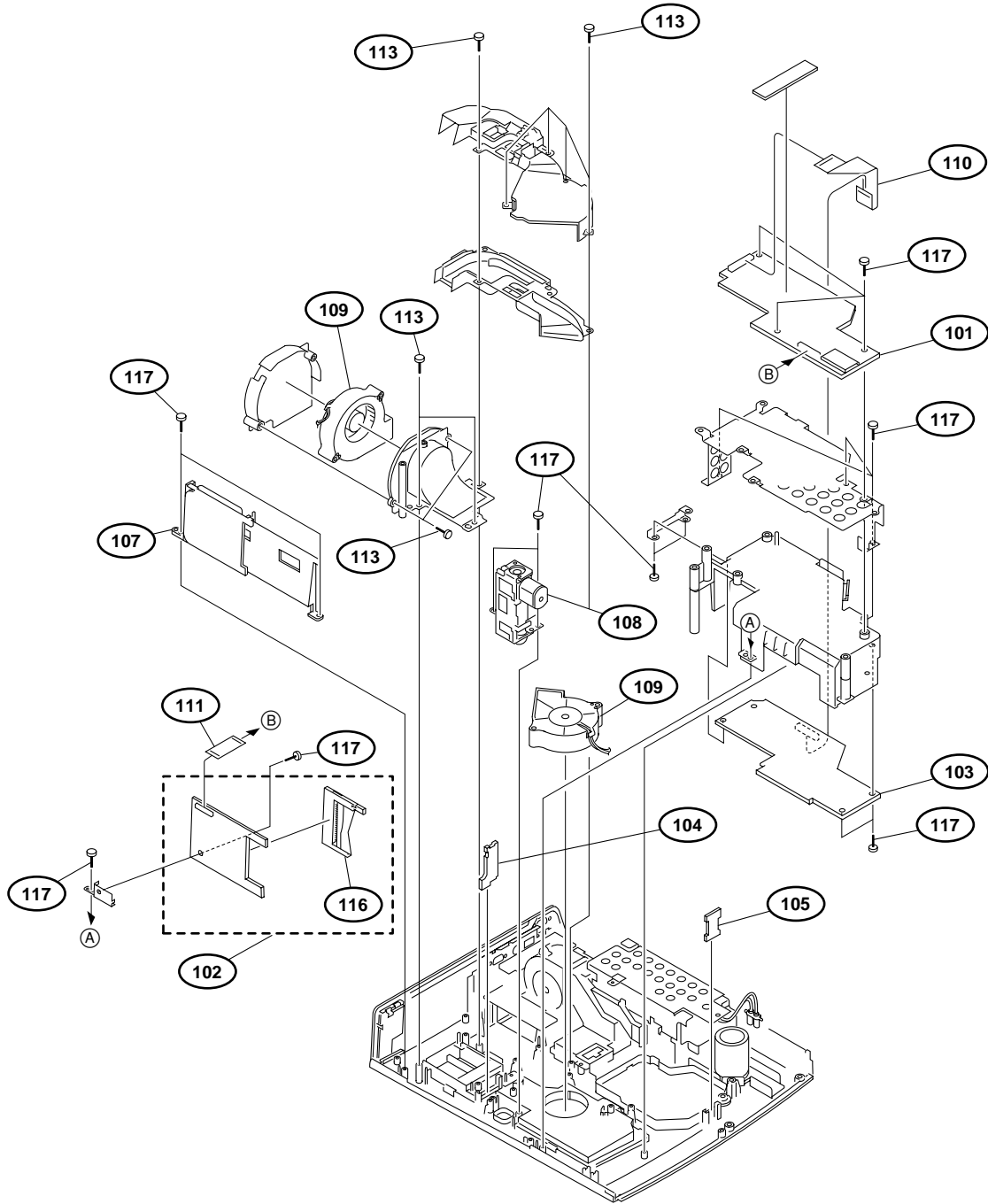
Resistors :  $\Omega$

4-2. Exploded Views



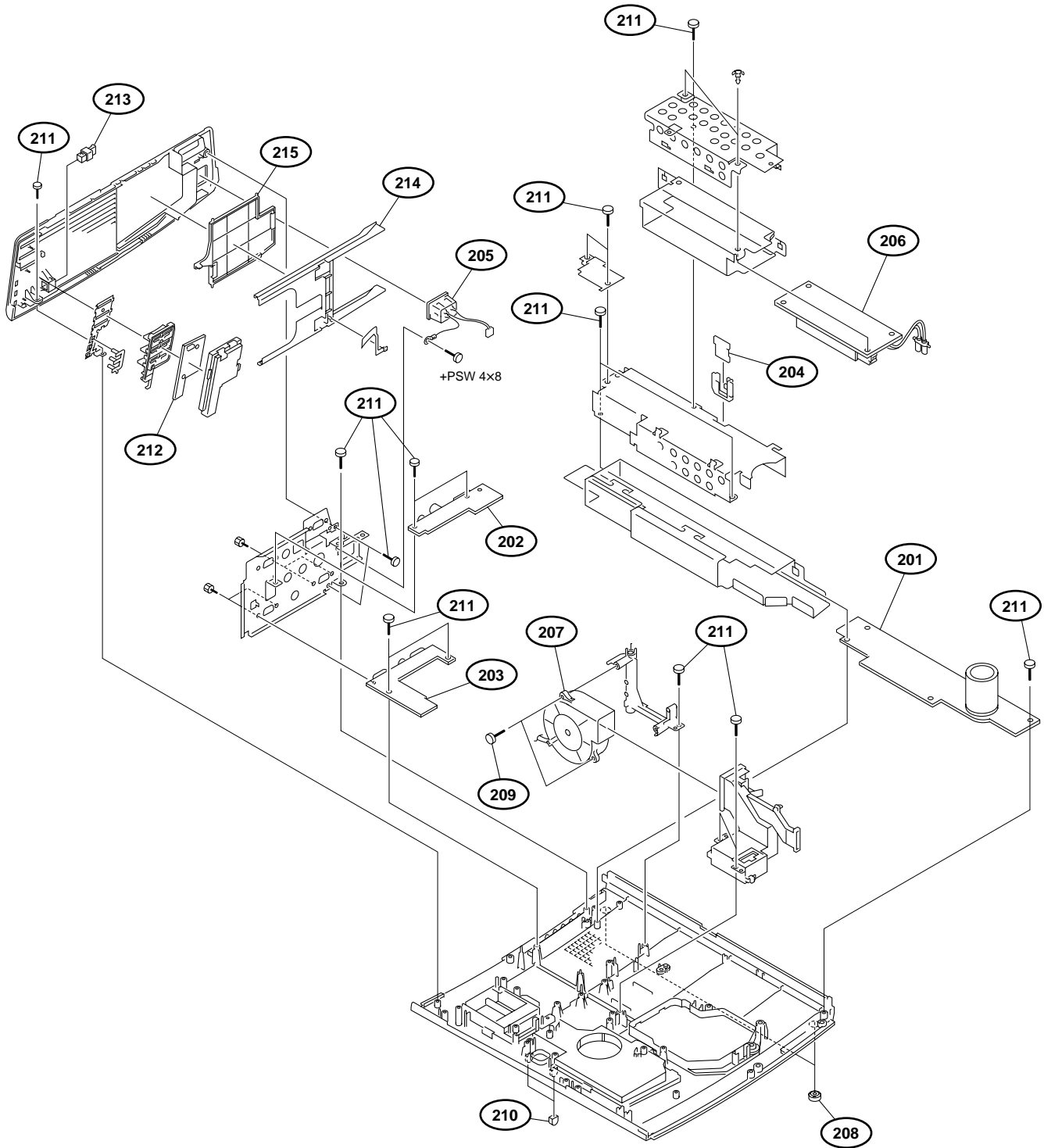
No.	Part No.	SP Description	No.	Part No.	SP Description
1	A-1302-818-A	s MOUNTED CIRCUIT BOARD, C	6	1-900-285-15	s CONNECTOR ASSY B, FLAT 68P
2	A-1410-793-A	s MOUNTED CIRCUIT BOARD, H1	7	1-900-285-17	s CONNECTOR ASSY, FUSE
3	A-1410-794-A	s MOUNTED CIRCUIT BOARD, L	8	4-103-366-01	s +PSW M3X70
4	A-1603-156-A	s SPEAKER ASSY	9	△ 4-103-372-01	s DOOR, LAMP
5	△ 1-787-139-11	s DC FAN	10	4-103-368-01	s FILTER
			11	8-892-388-39	s USB USM32AP
			12	4-382-854-51	s SCREW, +PSW M3X6 (EP-FE/ZNBK/CM2)
			13	4-382-854-11	s SCREW, +PSW M3X10 (EP-FE/ZNBK/CM)
			Screws/Washers		
				7-685-903-31	s SCREW, +PWHTP 3X10 (EP-FE/ZNBK/C)



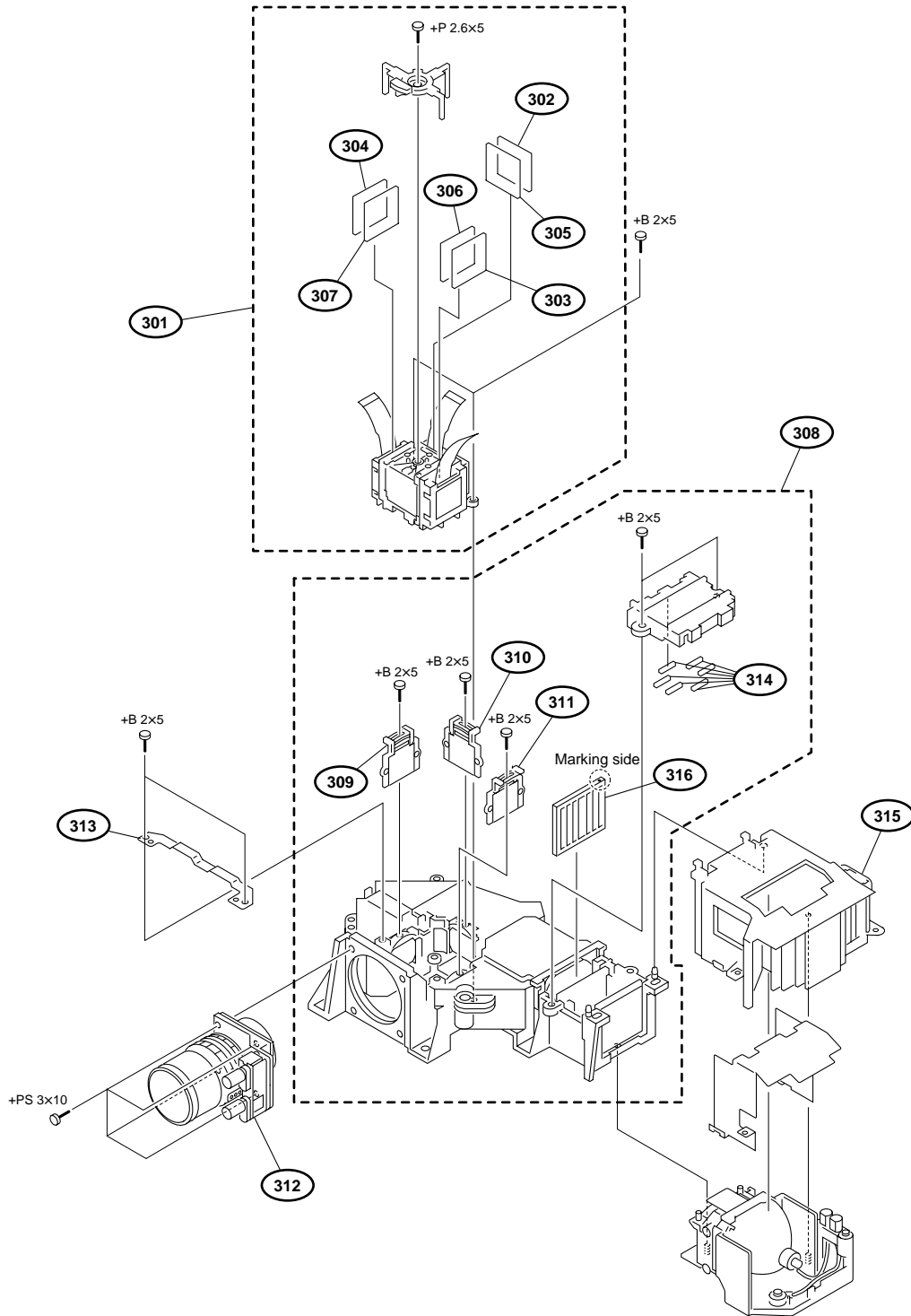


No.	Part No.	SP Description
101	A-1302-819-A	s MOUNTED CIRCUIT BOARD, M
102	A-1302-820-A	s MOUNTED CIRCUIT BOARD, QC
103	A-1302-822-A	s MOUNTED CIRCUIT BOARD, GB
104	A-1303-025-A	s MOUNTED CIRCUIT BOARD, V
105	A-1410-796-A	s MOUNTED CIRCUIT BOARD, U

No.	Part No.	SP Description
107	△ 1-478-693-11	s SHUTTER UNIT
108	△ 1-478-694-11	s UNIT ADJUSTOR
109	△ 1-787-065-21	s D.C. FAN (SIROCCO)
110	1-900-285-13	s CONNECTOR ASSY, FLAT 24P
111	1-900-285-14	s CONNECTOR ASSY A, FLAT 68P
113	4-382-854-11	s SCREW, +PSW M3X10 (EP-FE/ZNBK/CM)
116	4-103-416-01	s FRAME (CF)
117	4-382-854-51	s SCREW, +PSW M3X6 (EP-FE/ZNBK/CM2)



No.	Part No.	SP Description	No.	Part No.	SP Description
201	A-1302-821-A	s MOUNTED CIRCUIT BOARD, GA	211	4-382-854-51	s SCREW, +PSW M3X6 (EP-FE/ZNBK/CM2)
202	A-1410-805-A	s MOUNTED CIRCUIT BOARD, QA	212	A-1410-798-A	s MOUNTED CIRCUIT BOARD, H2
203	A-1302-824-A	s MOUNTED CIRCUIT BOARD, QB	213	4-042-192-01	s CATCHER, PUSH
204	A-1410-795-A	s MOUNTED CIRCUIT BOARD, NR	214	4-103-386-01	s TERMINAL BOARD B
205	△ A-1606-829-A	s AC INLET ASSY	215	△ 4-103-388-01	s DOOR (SIDE)
206	△ 1-468-834-11	s POWER SUPPLY BLOCK	Screws/Washers		
207	△ 1-787-149-11	s D.C. FAN (SIROCCO)			
208	4-084-604-11	s FOOT, REAR			
209	4-382-854-11	s SCREW, +PSW M3X10 (EP-FE/ZNBK/CM)			
210	4-103-531-01	s FOOT (FR)			
					7-682-961-01 s SCREW, +PSW 4X8



No.	Part No.	SP Description
301	A-1051-755-A	s PRISM BLOCK ASSY
302	A-1054-762-A	s PANEL (G) ASSY, POLARIZATION
303	A-1054-763-A	s PANEL (B) ASSY, POLARIZATION
304	A-1054-764-A	s PANEL (R) ASSY, POLARIZATION
305	A-1054-765-A	s PANEL (G) ASSY, POLARIZATION
306	A-1054-766-A	s PANEL (B) ASSY, POLARIZATION
307	A-1054-761-A	s PANEL (R) ASSY, POLARIZATION
308	A-1054-753-A	s UNIT ASSY
309	A-1054-758-A	s PANEL (R) ASSY, POLARIZATION
310	A-1054-759-A	s PANEL (G) ASSY, POLARIZATION

No.	Part No.	SP Description
311	A-1054-760-A	s PANEL (B) ASSY, POLARIZATION
312	A-1054-767-A	s LENS
313	4-103-519-01	s HOLDER, PRISM BLOCK
314	4-099-077-01	s CUSHION (S)
315	4-102-105-01	s HOUSE, LAMP

316	A-1054-757-A	s CONVERTER, PS
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Screws/Washers

7-621-771-06	s SCREW +B 2X5
7-682-649-09	s SCREW +PS 3X10 (EP-FE/ZNBK/CM2)
7-685-132-19	s SCREW +P 2.6X5

### 4-3. Electrical Parts List

C BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1302-818-A	s MOUNTED CIRCUIT BOARD, C
C100	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C101	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C102	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C103	1-164-943-11	s CAPACITOR,CHIP CERAMIC 0.01MF
C104	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C105	1-165-875-11	s CAPACITOR, CHIP CERAMIC 10MF B
C106	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C107	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C108	1-164-850-11	s CAPACITOR,CERAMIC 10PF/16V CH
C109	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C110	1-164-850-11	s CAPACITOR,CERAMIC 10PF/16V CH
C111	1-164-943-11	s CAPACITOR,CHIP CERAMIC 0.01MF
C112	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C113	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C114	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C115	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C116	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C117	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C118	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C119	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C120	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C121	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C122	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C123	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C147	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C148	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C151	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C153	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C202	1-126-205-11	s CAPACITOR,ELECT 47M/6.3
C204	1-164-874-11	s CAPACITOR,CHIP CERAMIC 100PF
C205	1-164-874-11	s CAPACITOR,CHIP CERAMIC 100PF
C206	1-128-992-11	s CAPACITOR ELECT 47MF 25V
C207	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C208	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C210	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C211	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C212	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C213	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C214	1-165-875-11	s CAPACITOR, CHIP CERAMIC 10MF B
C216	1-126-205-11	s CAPACITOR,ELECT 47M/6.3
C217	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C218	1-126-205-11	s CAPACITOR,ELECT 47M/6.3
C219	1-126-205-11	s CAPACITOR,ELECT 47M/6.3
C220	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C221	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C222	1-126-205-11	s CAPACITOR,ELECT 47M/6.3
C223	1-126-205-11	s CAPACITOR,ELECT 47M/6.3
C224	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C225	1-126-205-11	s CAPACITOR,ELECT 47M/6.3
C226	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C227	1-126-205-11	s CAPACITOR,ELECT 47M/6.3
C229	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C230	1-126-206-11	s CAPACITOR, ELECT 100MF/6.3V
C231	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C232	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C233	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C234	1-128-992-11	s CAPACITOR ELECT 47MF 25V

(C BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C235	1-115-339-11	s CAPACITOR,CERAMIC 0.1MF/50V
C236	1-115-339-11	s CAPACITOR,CERAMIC 0.1MF/50V
C237	1-128-992-11	s CAPACITOR ELECT 47MF 25V
C238	1-115-339-11	s CAPACITOR,CERAMIC 0.1MF/50V
C239	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C240	1-126-205-11	s CAPACITOR,ELECT 47M/6.3
C241	1-131-998-11	s CAP, SOLID ELECT 82MF 6.3 V
C242	1-131-998-11	s CAP, SOLID ELECT 82MF 6.3 V
C243	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C244	1-126-205-11	s CAPACITOR,ELECT 47M/6.3
C300	1-164-943-11	s CAPACITOR,CHIP CERAMIC 0.01MF
C301	1-164-943-11	s CAPACITOR,CHIP CERAMIC 0.01MF
C302	1-164-943-11	s CAPACITOR,CHIP CERAMIC 0.01MF
C303	1-117-720-11	s CAPACITOR, CERAMIC 4.7MF/10V F
C304	1-119-667-11	s CAPACITOR CERAMIC 22MF/10V(F)
C305	1-126-205-11	s CAPACITOR,ELECT 47M/6.3
C306	1-126-205-11	s CAPACITOR,ELECT 47M/6.3
C307	1-126-205-11	s CAPACITOR,ELECT 47M/6.3
C308	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C309	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C310	1-165-875-11	s CAPACITOR, CHIP CERAMIC 10MF B
C311	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C312	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C313	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C400	1-164-943-11	s CAPACITOR,CHIP CERAMIC 0.01MF
C401	1-164-943-11	s CAPACITOR,CHIP CERAMIC 0.01MF
C402	1-164-943-11	s CAPACITOR,CHIP CERAMIC 0.01MF
C405	1-126-205-11	s CAPACITOR,ELECT 47M/6.3
C406	1-126-205-11	s CAPACITOR,ELECT 47M/6.3
C407	1-126-205-11	s CAPACITOR,ELECT 47M/6.3
C408	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C409	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C412	1-165-875-11	s CAPACITOR, CHIP CERAMIC 10MF B
C413	1-165-875-11	s CAPACITOR, CHIP CERAMIC 10MF B
C414	1-128-992-11	s CAPACITOR ELECT 47MF 25V
C415	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C418	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C419	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C420	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C421	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C422	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C423	1-126-395-11	s CAPACITOR,ELECT 22MF/16V(CHIP)
C424	1-126-395-11	s CAPACITOR,ELECT 22MF/16V(CHIP)
C425	1-165-875-11	s CAPACITOR, CHIP CERAMIC 10MF B
C426	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C427	1-165-875-11	s CAPACITOR, CHIP CERAMIC 10MF B
C428	1-164-882-11	s CAPACITOR,CERAMIC 220PF/16V CH
C429	1-127-573-11	s CAPACITOR,CERAMIC 1MFB(2012)
C430	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C501	1-115-339-11	s CAPACITOR,CERAMIC 0.1MF/50V
C502	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C503	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C504	1-128-992-11	s CAPACITOR ELECT 47MF 25V
C505	1-115-339-11	s CAPACITOR,CERAMIC 0.1MF/50V
C506	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C507	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C508	1-115-339-11	s CAPACITOR,CERAMIC 0.1MF/50V
C509	1-128-992-11	s CAPACITOR ELECT 47MF 25V
C510	1-115-339-11	s CAPACITOR,CERAMIC 0.1MF/50V

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C511	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C512	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C513	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C514	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C516	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C517	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C518	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C519	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C520	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C521	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C522	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C523	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C524	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C525	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C528	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C529	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C530	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C531	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C532	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C533	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C534	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C535	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C536	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C600	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C601	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C602	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C610	1-128-004-11	s	CAPACITOR ELECT 10MF/16V(CHIP)
C611	1-115-156-11	s	CAPACITOR,CERAMIC 1MF/10V(1608)
C614	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C615	1-128-004-11	s	CAPACITOR ELECT 10MF/16V(CHIP)
C700	1-117-720-11	s	CAPACITOR, CERAMIC 4.7MF/10V F
C701	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C702	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C703	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C704	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C705	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C706	1-117-720-11	s	CAPACITOR, CERAMIC 4.7MF/10V F
C707	1-164-937-11	s	CAPACITOR,CHIP CERAMIC 1000PF
C708	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C709	1-125-891-11	s	CAPACITOR CERAMIC 0.47MF/10V
C710	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C711	1-137-987-81	s	CAPACITOR,C.CERAMIC 0.068MF
C712	1-117-720-11	s	CAPACITOR, CERAMIC 4.7MF/10V F
C713	1-117-720-11	s	CAPACITOR, CERAMIC 4.7MF/10V F
C714	1-165-875-11	s	CAPACITOR, CHIP CERAMIC 10MF B
C715	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C716	1-125-891-11	s	CAPACITOR CERAMIC 0.47MF/10V
C717	1-127-861-11	s	CAP, CERAMIC 2.2MF B (3216)
C718	1-165-875-11	s	CAPACITOR, CHIP CERAMIC 10MF B
C719	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C720	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C721	1-164-874-11	s	CAPACITOR,CHIP CERAMIC 100PF
C722	1-164-882-11	s	CAPACITOR,CERAMIC 220PF/16V CH
C723	1-125-837-91	s	CAPACITOR,CHIP CERAMIC1MF/6.3V
C724	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C725	1-125-837-91	s	CAPACITOR,CHIP CERAMIC1MF/6.3V
C726	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C727	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C728	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C729	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C730	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C733	1-117-720-11	s	CAPACITOR, CERAMIC 4.7MF/10V F
C738	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C800	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C801	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C802	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C803	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C804	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C805	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C806	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C807	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C808	1-119-923-11	s	CAPACITOR,CHIP CERAMIC 0.047MF
C809	1-164-937-11	s	CAPACITOR,CHIP CERAMIC 1000PF
C810	1-135-995-91	s	CAP,CHIP CERAMIC39000PF B 1608
C811	1-117-446-11	s	CAPACITOR CERAMIC 3900PF 16V
C812	1-119-923-11	s	CAPACITOR,CHIP CERAMIC 0.047MF
C813	1-119-923-11	s	CAPACITOR,CHIP CERAMIC 0.047MF
C815	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C816	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C817	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C818	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C819	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C820	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C821	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C822	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C823	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C824	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C825	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C826	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C827	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C828	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C829	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C830	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C831	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C832	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C835	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C836	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C837	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C838	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C839	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C840	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C841	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C842	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C843	1-164-854-11	s	CAPACITOR CERAMIC 15PF/16V CH
C844	1-164-854-11	s	CAPACITOR CERAMIC 15PF/16V CH
C845	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C846	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C847	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C848	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C849	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C850	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C851	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C852	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C853	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C854	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C855	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C856	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C857	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3



## (C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C1613	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1614	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C1615	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1616	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1617	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C1618	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1619	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1700	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C1701	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C1702	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1703	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C1704	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C1705	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1706	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1707	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1708	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C1709	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1710	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1711	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1712	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C1713	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1800	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C1801	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C1802	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1803	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C1804	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C1805	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1806	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1807	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1808	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C1809	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1810	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1811	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C1812	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1813	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1900	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C1902	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C1904	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C1910	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C1912	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C1914	1-126-204-11	s	CAPACITOR, ELECT 47MF/16V(CHIP
C1915	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C1919	1-165-875-11	s	CAPACITOR, CHIP CERAMIC 10MF B
C2000	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C2001	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C2002	1-115-156-11	s	CAPACITOR,CERAMIC 1MF/10V(1608
C2003	1-115-156-11	s	CAPACITOR,CERAMIC 1MF/10V(1608
C2004	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C2006	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C2007	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C2008	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C2009	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C2010	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C2011	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C2012	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C2013	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
CN200	1-770-623-21	s	PIN, CONNECTOR 6P
CN201	1-764-829-11	o	CONNECTOR, FPC 24P

## (C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
CN202	1-770-621-21	s	PIN, CONNECTOR 4P
CN203	1-770-624-21	s	PIN, CONNECTOR 7P
CN204	1-770-623-21	s	PIN, CONNECTOR 6P
CN205	1-580-055-21	o	PIN, CONNECTOR 2P
CN206	1-770-622-21	s	PIN, CONNECTOR 5P
CN210	1-770-627-21	s	PIN, CONNECTOR 10P
CN211	1-770-625-21	s	PIN, CONNECTOR 8P
CN300	1-784-828-11	s	CONNECTOR, D SUB
CN301	1-770-628-11	s	PIN, CONNECTOR 11P
CN400	1-784-828-11	s	CONNECTOR, D SUB
CN402	1-580-055-21	o	PIN, CONNECTOR 2P
CN500	1-818-313-11	s	FFC/FPC CONNECTOR (ZIF)
CN502	1-770-621-21	s	PIN, CONNECTOR 4P
CN505	1-770-622-21	s	PIN, CONNECTOR 5P
CN506	1-770-623-21	s	PIN, CONNECTOR 6P
CN600	1-770-629-21	s	PIN, CONNECTOR 12P
CN601	1-770-624-21	s	PIN, CONNECTOR 7P
CN1600	1-794-823-11	s	CONNECTOR (ZIF), FPC/FFC 32P
CN1700	1-794-823-11	s	CONNECTOR (ZIF), FPC/FFC 32P
CN1800	1-794-823-11	s	CONNECTOR (ZIF), FPC/FFC 32P
CN1900	1-784-010-11	o	CONNECTOR, USB (B)
D100	8-719-988-61	s	DIODE 1SS355TE-17
D101	8-719-988-61	s	DIODE 1SS355TE-17
D102	8-719-024-77	s	DIODE HN1D03FU-TE85L
D103	8-719-941-86	s	DIODE DAN202U
D204	8-719-083-58	s	DIODE UDZSTE-173.9B
D205	8-719-081-38	s	DIODE NNCD5.6LG-T1
D300	8-719-081-38	s	DIODE NNCD5.6LG-T1
D301	8-719-059-53	s	DIODE MA3J14700LSO
D302	8-719-059-53	s	DIODE MA3J14700LSO
D303	8-719-059-53	s	DIODE MA3J14700LSO
D304	8-719-024-77	s	DIODE HN1D03FU-TE85L
D305	8-719-941-86	s	DIODE DAN202U
D400	8-719-081-38	s	DIODE NNCD5.6LG-T1
D401	8-719-059-53	s	DIODE MA3J14700LSO
D402	8-719-059-53	s	DIODE MA3J14700LSO
D403	8-719-059-53	s	DIODE MA3J14700LSO
D404	8-719-024-77	s	DIODE HN1D03FU-TE85L
D405	8-719-941-86	s	DIODE DAN202U
D408	8-719-158-37	s	DIODE RD9.1SB2
D409	8-719-158-37	s	DIODE RD9.1SB2
D600	8-719-059-53	s	DIODE MA3J14700LSO
D601	8-719-059-53	s	DIODE MA3J14700LSO
D602	8-719-059-53	s	DIODE MA3J14700LSO
D603	8-719-059-53	s	DIODE MA3J14700LSO
D604	8-719-059-53	s	DIODE MA3J14700LSO
D700	8-719-988-61	s	DIODE 1SS355TE-17
D701	8-719-988-61	s	DIODE 1SS355TE-17
D1905	8-719-036-94	s	DIODE RD5.6SB-T1
D1906	8-719-058-24	s	DIODE RB501V-40TE17
D1907	8-719-988-61	s	DIODE 1SS355TE-17
D2000	8-719-024-77	s	DIODE HN1D03FU-TE85L
D2001	8-719-988-61	s	DIODE 1SS355TE-17
FB400	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB401	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB402	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB500	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB501	1-414-921-11	s	INDUCTOR, FERRITE BEAD

## (C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
FB502	1-500-451-11	s	MICRO INDUCTOR (CHIP) 41P750S
FB503	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB504	1-500-451-11	s	MICRO INDUCTOR (CHIP) 41P750S
FB900	1-500-451-11	s	MICRO INDUCTOR (CHIP) 41P750S
FB901	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB902	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB903	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB904	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1500	1-500-451-11	s	MICRO INDUCTOR (CHIP) 41P750S
FB1900	1-469-185-11	s	INDUCTOR, FERRITE BEAD
FB1901	1-469-185-11	s	INDUCTOR, FERRITE BEAD
FB1902	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1903	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1905	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FL800	1-234-494-21	s	FILTER, EMI REMOVAL (SMD)
FL801	1-234-494-21	s	FILTER, EMI REMOVAL (SMD)
FL802	1-234-494-21	s	FILTER, EMI REMOVAL (SMD)
FL803	1-234-494-21	s	FILTER, EMI REMOVAL (SMD)
FL804	1-234-494-21	s	FILTER, EMI REMOVAL (SMD)
FL900	1-234-494-21	s	FILTER, EMI REMOVAL (SMD)
FL1500	1-234-494-21	s	FILTER, EMI REMOVAL (SMD)
FL1501	1-234-494-21	s	FILTER, EMI REMOVAL (SMD)
FL1502	1-234-494-21	s	FILTER, EMI REMOVAL (SMD)
FL1503	1-234-494-21	s	FILTER, EMI REMOVAL (SMD)
FL1504	1-234-494-21	s	FILTER, EMI REMOVAL (SMD)
FL1505	1-234-494-21	s	FILTER, EMI REMOVAL (SMD)
FL1506	1-234-494-21	s	FILTER, EMI REMOVAL (SMD)
IC100	6-703-225-01	s	IC S-80928CNMC-G8YT2G
IC101	8-759-196-96	s	IC TC7SH08FU (TE85R)
IC102	6-706-022-01	s	IC HD64F2378VFQ34V
IC104	8-759-649-33	s	IC SN74AHCT1G08DCKR
IC203	8-759-681-47	s	IC IRMF-A0T-QTP
IC205	6-702-301-01	s	IC TK11125CSCL-G
IC206	6-704-954-01	s	IC AIC1117A-50PYJTR
IC207	6-704-954-01	s	IC AIC1117A-50PYJTR
IC208	6-704-958-01	s	IC AIC1117A-18PYJTR
IC209	6-704-953-01	s	IC AIC1117A-33PYJTR
IC210	6-704-952-01	s	IC AIC1084-PEJTR
IC211	8-759-539-89	s	IC LM2990SX-5.0
IC212	6-704-954-01	s	IC AIC1117A-50PYJTR
IC300	8-759-661-55	s	IC ST24FC21M6TR
IC301	8-759-833-99	s	IC MC74HC4052ADTR2
IC302	8-759-491-93	s	IC EL4332CS-TE2
IC303	8-759-523-02	s	IC TC74HC4053AFT(EL)
IC400	8-759-661-55	s	IC ST24FC21M6TR
IC401	8-759-833-99	s	IC MC74HC4052ADTR2
IC402	8-759-352-94	s	IC TDA7309D013TR
IC403	6-702-593-01	s	IC BA10358FV-E2
IC404	6-702-697-01	s	IC TPA2001D1PWR
IC501	8-759-460-79	s	IC BA09FP-E2
IC502	8-759-524-07	s	IC TC74VHC138FT(EL)
IC503	8-759-460-79	s	IC BA09FP-E2
IC504	8-759-596-39	s	IC SN74LV4052APWR
IC505	8-759-598-43	s	IC TC7WH04FK(TE85R)
IC506	8-759-537-09	s	IC BA6287F-E2
IC507	8-759-537-09	s	IC BA6287F-E2
IC508	8-759-580-33	s	IC BA6288FS-E2
IC509	8-752-072-81	s	IC CXA1875AM

## (C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
IC510	8-759-575-16	s	IC LMC7101BIM5X
IC511	8-759-537-09	s	IC BA6287F-E2
IC513	8-759-831-52	s	IC TC7WH125FK(TE85R)
IC600	6-705-902-01	s	IC EL5364IUZ-T7
IC603	8-759-090-19	s	IC SN75453BPS
IC700	8-759-646-02	s	IC M52347FP-TE
IC701	8-752-108-35	s	IC CXA2171AQ
IC702	8-759-548-95	s	IC SN74LV00APWR
IC703	8-759-549-14	s	IC SN74LV244APWR
IC800	6-704-958-01	s	IC AIC1117A-18PYJTR
IC801	6-706-008-01	s	IC PW2200B-20L
IC802	6-703-225-01	s	IC S-80928CNMC-G8YT2G
IC901	6-703-225-01	s	IC S-80928CNMC-G8YT2G
IC902	6-705-986-01	s	IC CY25033SZC-1T
IC903	6-804-145-01	s	IC MBM29LV800TA-70PFTN-768PW
IC904	8-759-471-89	s	IC 74VHC02MTCX
IC1500	8-752-424-18	s	IC CXD3536R
IC1501	6-703-225-01	s	IC S-80928CNMC-G8YT2G
IC1502	6-703-225-01	s	IC S-80928CNMC-G8YT2G
IC1503	8-759-693-83	s	IC HN58X24256FP1Z
IC1504	8-759-679-58	s	IC SN74AHCT541PWR
IC1505	8-759-679-58	s	IC SN74AHCT541PWR
IC1506	8-759-679-58	s	IC SN74AHCT541PWR
IC1507	8-759-490-43	s	IC TC74VHCT540AFT(EL)
IC1508	8-759-831-52	s	IC TC7WH125FK(TE85R)
IC1600	6-705-025-01	s	IC PQ20WZ1UJ00H
IC1601	8-759-679-05	s	IC TC7WH34FU(TE12R)
IC1602	8-752-110-22	s	IC CXA7005R-T4
IC1603	8-759-252-41	s	IC TK11900MTL
IC1700	8-752-110-22	s	IC CXA7005R-T4
IC1800	8-752-110-22	s	IC CXA7005R-T4
IC1905	6-804-220-01	s	IC SN-USBRCV1
IC1906	6-700-658-01	s	IC SN75240PWR
IC1907	8-759-649-33	s	IC SN74AHCT1G08DCKR
IC1908	6-702-912-01	s	IC S-80942CNMC-G9C-T2
IC2000	8-759-472-35	s	IC 74VHC221AMTCX
IC2001	8-759-675-53	s	IC TC7WH32FK-TE85R
IC2002	8-759-439-67	s	IC TC7W126FU(TE12R)
IC2003	8-759-549-01	s	IC SN74LV125APWR
IC2004	8-759-698-31	s	IC TC7WH74FK(TE85R)
IC2005	8-759-598-43	s	IC TC7WH04FK(TE85R)
IC2006	8-759-549-01	s	IC SN74LV125APWR
IC2007	8-759-549-01	s	IC SN74LV125APWR
IC2008	8-759-471-85	s	IC 74VHC00MTCX
IC2009	8-759-656-54	s	IC TC7WH14FK(TE85R)
IC2010	8-759-549-01	s	IC SN74LV125APWR
J400	1-566-822-21	s	JACK
L200	1-409-529-41	s	COIL, CHOKE 10UH
L201	1-409-529-41	s	COIL, CHOKE 10UH
L202	1-409-529-41	s	COIL, CHOKE 10UH
L401	1-469-522-11	s	INDUCTOR 1.0UH (NLFV25)
L601	1-414-771-91	s	INDUCTOR 10.0UH
L602	1-414-771-91	s	INDUCTOR 10.0UH
L700	1-469-522-11	s	INDUCTOR 1.0UH (NLFV25)
L701	1-469-522-11	s	INDUCTOR 1.0UH (NLFV25)
L801	1-469-522-11	s	INDUCTOR 1.0UH (NLFV25)
L803	1-469-522-11	s	INDUCTOR 1.0UH (NLFV25)



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Ref. No. or Q'ty	Part No.	SP	Description
L804	1-469-522-11	s	INDUCTOR 1.0UH (NLFV25)
L805	1-469-522-11	s	INDUCTOR 1.0UH (NLFV25)
L900	1-469-522-11	s	INDUCTOR 1.0UH (NLFV25)
L1500	1-469-522-11	s	INDUCTOR 1.0UH (NLFV25)
L1600	1-469-522-11	s	INDUCTOR 1.0UH (NLFV25)
L1601	1-469-522-11	s	INDUCTOR 1.0UH (NLFV25)
L1602	1-469-522-11	s	INDUCTOR 1.0UH (NLFV25)
L1700	1-469-522-11	s	INDUCTOR 1.0UH (NLFV25)
L1701	1-469-522-11	s	INDUCTOR 1.0UH (NLFV25)
L1702	1-469-522-11	s	INDUCTOR 1.0UH (NLFV25)
L1800	1-469-522-11	s	INDUCTOR 1.0UH (NLFV25)
L1801	1-469-522-11	s	INDUCTOR 1.0UH (NLFV25)
L1802	1-469-522-11	s	INDUCTOR 1.0UH (NLFV25)
Q100	6-550-014-01	s	TRANSISTOR SSM6N15FU(TE85R)
Q101	6-550-014-01	s	TRANSISTOR SSM6N15FU(TE85R)
Q102	8-729-907-00	s	TRANSISTOR DTC114EU
Q103	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q104	6-550-014-01	s	TRANSISTOR SSM6N15FU(TE85R)
Q200	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q201	8-729-427-72	s	TRANSISTOR XP4501-TXE
Q202	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q300	8-729-907-00	s	TRANSISTOR DTC114EU
Q301	8-729-907-00	s	TRANSISTOR DTC114EU
Q400	8-729-907-00	s	TRANSISTOR DTC114EU
Q401	8-729-907-00	s	TRANSISTOR DTC114EU
Q402	8-729-907-00	s	TRANSISTOR DTC114EU
Q700	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q701	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q702	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q703	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q704	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q705	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q706	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q707	8-729-907-00	s	TRANSISTOR DTC114EU
Q708	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q1500	8-729-230-49	s	TRANSISTOR 2SC2712-YG
Q1501	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q1600	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q1601	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q1700	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q1701	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q1800	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q1801	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q1903	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
R101	1-208-699-11	s	RESISTOR,CHIP 4.7K 1/16W(1005)
R103	1-208-699-11	s	RESISTOR,CHIP 4.7K 1/16W(1005)
R104	1-208-699-11	s	RESISTOR,CHIP 4.7K 1/16W(1005)
R105	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R106	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R107	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R108	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R109	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R110	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R111	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R112	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R113	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R114	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R116	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)

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Ref. No. or Q'ty	Part No.	SP	Description
R117	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R118	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R119	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R120	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R121	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R122	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R123	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R124	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R125	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R126	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R127	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R129	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R130	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R131	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R132	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R133	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R134	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R135	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R136	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R138	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R139	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R140	1-218-945-11	s	RESISTOR,CHIP 220 1/16W(1005)
R141	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R142	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R143	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R146	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R147	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R148	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R150	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R151	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R153	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R154	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R157	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R158	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R160	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R161	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R162	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R164	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R165	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R166	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R168	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R169	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R172	1-218-971-11	s	RESISTOR,CHIP 33K 1/16W (1005)
R173	1-218-971-11	s	RESISTOR,CHIP 33K 1/16W (1005)
R177	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R180	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R181	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R182	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R183	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R184	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R186	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R194	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R195	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R202	1-218-947-11	s	RESISTOR, CHIP 330 1/16W
R203	1-218-947-11	s	RESISTOR, CHIP 330 1/16W
R204	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R205	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R207	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R208	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)

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Ref. No. or Q'ty	Part No.	SP	Description
R209	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R210	1-218-962-11	s	RESISTOR,CHIP 5.6K 1/16W(1005)
R213	1-208-707-11	s	RESISTOR,CHIP 10K 1/16W (1005)
R217	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R218	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R223	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R227	1-218-945-11	s	RESISTOR,CHIP 220 1/16W(1005)
R228	1-218-949-11	s	RESISTOR,CHIP 470 1/16W
R229	1-218-945-11	s	RESISTOR,CHIP 220 1/16W(1005)
R230	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R231	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R234	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R235	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R236	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R237	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R238	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R300	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R301	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R304	1-218-943-11	s	RESISTOR,CHIP 150 1/16W
R305	1-218-943-11	s	RESISTOR,CHIP 150 1/16W
R306	1-218-943-11	s	RESISTOR,CHIP 150 1/16W
R307	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R308	1-218-943-11	s	RESISTOR,CHIP 150 1/16W
R309	1-218-943-11	s	RESISTOR,CHIP 150 1/16W
R310	1-218-943-11	s	RESISTOR,CHIP 150 1/16W
R311	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R312	1-218-937-11	s	RESISTOR, CHIP 47
R313	1-218-937-11	s	RESISTOR, CHIP 47
R314	1-218-945-11	s	RESISTOR,CHIP 220 1/16W(1005)
R315	1-218-977-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R316	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R318	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R320	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R322	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R323	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R324	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R325	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R326	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R327	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R328	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R329	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R330	1-218-969-11	s	RESISTOR,CHIP 22K 1/16W (1608)
R331	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R334	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R335	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R336	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R339	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R342	1-220-169-11	s	RESISTOR,CHIP 75 1/16W
R343	1-220-169-11	s	RESISTOR,CHIP 75 1/16W
R346	1-220-169-11	s	RESISTOR,CHIP 75 1/16W
R347	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R348	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R349	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R351	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R400	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R401	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R404	1-218-943-11	s	RESISTOR,CHIP 150 1/16W
R405	1-218-943-11	s	RESISTOR,CHIP 150 1/16W
R406	1-218-943-11	s	RESISTOR,CHIP 150 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R407	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R408	1-218-943-11	s	RESISTOR,CHIP 150 1/16W
R409	1-218-943-11	s	RESISTOR,CHIP 150 1/16W
R410	1-218-943-11	s	RESISTOR,CHIP 150 1/16W
R411	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R412	1-218-937-11	s	RESISTOR, CHIP 47
R413	1-218-937-11	s	RESISTOR, CHIP 47
R414	1-218-945-11	s	RESISTOR,CHIP 220 1/16W(1005)
R415	1-218-977-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R416	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R418	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R420	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R422	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R423	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R427	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R428	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R429	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R430	1-218-969-11	s	RESISTOR,CHIP 22K 1/16W (1608)
R433	1-218-985-11	s	RESISTOR CHIP 470K 1/16W(1005)
R434	1-218-985-11	s	RESISTOR CHIP 470K 1/16W(1005)
R435	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R436	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R437	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R438	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R439	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R440	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R442	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R443	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R444	1-218-958-11	s	RESISTOR,CHIP 2.7K 1/16W(1005)
R445	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R446	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R447	1-218-958-11	s	RESISTOR,CHIP 2.7K 1/16W(1005)
R448	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R449	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R450	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R451	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R453	1-218-977-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R454	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R456	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R457	1-218-978-11	s	RESISTOR,CHIP 120K 1/16W(1005)
R504	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R506	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R509	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R529	1-218-937-11	s	RESISTOR, CHIP 47
R530	1-218-937-11	s	RESISTOR, CHIP 47
R531	1-218-937-11	s	RESISTOR, CHIP 47
R532	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R535	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R536	1-218-937-11	s	RESISTOR, CHIP 47
R537	1-218-937-11	s	RESISTOR, CHIP 47
R538	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R539	1-218-937-11	s	RESISTOR, CHIP 47
R540	1-218-937-11	s	RESISTOR, CHIP 47
R541	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R543	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R544	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R545	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R546	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R548	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R549	1-218-977-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R550	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R551	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R557	1-218-969-11	s	RESISTOR,CHIP 22K 1/16W (1608)
R558	1-218-969-11	s	RESISTOR,CHIP 22K 1/16W (1608)
R600	1-218-969-11	s	RESISTOR,CHIP 22K 1/16W (1608)
R601	1-218-969-11	s	RESISTOR,CHIP 22K 1/16W (1608)
R602	1-218-969-11	s	RESISTOR,CHIP 22K 1/16W (1608)
R603	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R604	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R605	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R606	1-218-935-11	s	RESISTOR,CHIP 33 1/16W (1005)
R610	1-218-949-11	s	RESISTOR,CHIP 470 1/16W
R611	1-218-949-11	s	RESISTOR,CHIP 470 1/16W
R612	1-218-949-11	s	RESISTOR,CHIP 470 1/16W
R613	1-218-949-11	s	RESISTOR,CHIP 470 1/16W
R614	1-218-949-11	s	RESISTOR,CHIP 470 1/16W
R615	1-218-949-11	s	RESISTOR,CHIP 470 1/16W
R616	1-218-935-11	s	RESISTOR,CHIP 33 1/16W (1005)
R617	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R618	1-216-815-11	s	RESISTOR,CHIP 330 1/10W 1608
R619	1-216-815-11	s	RESISTOR,CHIP 330 1/10W 1608
R620	1-216-815-11	s	RESISTOR,CHIP 330 1/10W 1608
R621	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R622	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R623	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R624	1-218-943-11	s	RESISTOR,CHIP 150 1/16W
R625	1-218-943-11	s	RESISTOR,CHIP 150 1/16W
R626	1-218-943-11	s	RESISTOR,CHIP 150 1/16W
R627	1-216-815-11	s	RESISTOR,CHIP 330 1/10W 1608
R628	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R629	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R630	1-218-943-11	s	RESISTOR,CHIP 150 1/16W
R631	1-218-943-11	s	RESISTOR,CHIP 150 1/16W
R632	1-218-943-11	s	RESISTOR,CHIP 150 1/16W
R633	1-218-943-11	s	RESISTOR,CHIP 150 1/16W
R634	1-218-943-11	s	RESISTOR,CHIP 150 1/16W
R635	1-218-943-11	s	RESISTOR,CHIP 150 1/16W
R700	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R701	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R702	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R703	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R704	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R705	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R706	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R707	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R708	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R709	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R710	1-218-949-11	s	RESISTOR,CHIP 470 1/16W
R711	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R712	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R713	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R714	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R715	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R716	1-218-937-11	s	RESISTOR, CHIP 47
R717	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R718	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R719	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R720	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)

## (C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R723	1-219-601-11	s	RES, METAL FILM CHIP 62K(1005)
R724	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R725	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R726	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R727	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R728	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R731	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R732	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R733	1-208-947-11	s	RESISTOR CHIP 330K 1/16W(1005)
R734	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R737	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R738	1-218-959-11	s	RESISTOR, CHIP 3.3K
R739	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R740	1-218-945-11	s	RESISTOR,CHIP 220 1/16W(1005)
R741	1-218-937-11	s	RESISTOR, CHIP 47
R742	1-218-937-11	s	RESISTOR, CHIP 47
R743	1-218-937-11	s	RESISTOR, CHIP 47
R744	1-208-707-11	s	RESISTOR,CHIP 10K 1/16W (1005)
R745	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R746	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R747	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R748	1-218-937-11	s	RESISTOR, CHIP 47
R749	1-218-937-11	s	RESISTOR, CHIP 47
R750	1-208-683-11	s	RESISTOR CHIP 1K 1/16W (1005)
R751	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R752	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R754	1-218-937-11	s	RESISTOR, CHIP 47
R755	1-218-937-11	s	RESISTOR, CHIP 47
R757	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R758	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R760	1-218-949-11	s	RESISTOR,CHIP 470 1/16W
R761	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R763	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R764	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R772	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R781	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R800	1-218-943-11	s	RESISTOR,CHIP 150 1/16W
R801	1-218-943-11	s	RESISTOR,CHIP 150 1/16W
R802	1-218-943-11	s	RESISTOR,CHIP 150 1/16W
R804	1-218-945-11	s	RESISTOR,CHIP 220 1/16W(1005)
R805	1-218-945-11	s	RESISTOR,CHIP 220 1/16W(1005)
R806	1-218-945-11	s	RESISTOR,CHIP 220 1/16W(1005)
R807	1-218-945-11	s	RESISTOR,CHIP 220 1/16W(1005)
R808	1-218-945-11	s	RESISTOR,CHIP 220 1/16W(1005)
R809	1-218-945-11	s	RESISTOR,CHIP 220 1/16W(1005)
R811	1-208-695-11	s	RESISTOR CHIP 3.3K 1/16W(1005)
R813	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R814	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R815	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R816	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R817	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R818	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R819	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R820	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R821	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R827	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R830	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R832	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R833	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R834	1-218-989-11	s	RESISTOR,CHIP 1M 1/16W (1005)
R836	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R838	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R839	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R843	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R844	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R845	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R846	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R847	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R848	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R850	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R851	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R852	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R853	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R854	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R855	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R858	1-218-937-11	s	RESISTOR, CHIP 47
R859	1-218-937-11	s	RESISTOR, CHIP 47
R870	1-218-949-11	s	RESISTOR,CHIP 470 1/16W
R871	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R872	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R900	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R901	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R902	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R903	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R904	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R905	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R906	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R907	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R909	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R911	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R912	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R919	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R921	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R923	1-219-570-11	s	RESISTOR,CHIP 10M 1/16W
R924	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R927	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R930	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R932	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R934	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R935	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R939	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R940	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R941	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R942	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R943	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R944	1-216-815-11	s	RESISTOR,CHIP 330 1/10W 1608
R946	1-218-977-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R1500	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1501	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1502	1-218-937-11	s	RESISTOR, CHIP 47
R1503	1-218-937-11	s	RESISTOR, CHIP 47
R1504	1-218-937-11	s	RESISTOR, CHIP 47
R1505	1-218-937-11	s	RESISTOR, CHIP 47
R1506	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1507	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1509	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1511	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1512	1-218-937-11	s	RESISTOR, CHIP 47

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Ref. No. or Q'ty	Part No.	SP	Description
R1513	1-218-937-11	s	RESISTOR, CHIP 47
R1514	1-218-937-11	s	RESISTOR, CHIP 47
R1516	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1517	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R1518	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R1519	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1521	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1522	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R1523	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R1524	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R1525	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R1526	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R1527	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R1528	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R1529	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R1531	1-218-937-11	s	RESISTOR, CHIP 47
R1532	1-218-937-11	s	RESISTOR, CHIP 47
R1534	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1535	1-218-937-11	s	RESISTOR, CHIP 47
R1536	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1600	1-208-695-11	s	RESISTOR CHIP 3.3K 1/16W(1005)
R1601	1-208-683-11	s	RESISTOR CHIP 1K 1/16W (1005)
R1602	1-208-711-11	s	RESISTOR CHIP 15K 1/16W (1005)
R1603	1-218-967-11	s	RESISTOR,CHIP 15K 1/16W (1608)
R1604	1-218-979-11	s	RESISTOR, CHIP 150K
R1606	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1607	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1608	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1609	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1610	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R1611	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R1612	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R1613	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R1614	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R1615	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1617	1-218-937-11	s	RESISTOR, CHIP 47
R1700	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1701	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1703	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1704	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1705	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R1706	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R1707	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R1708	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R1709	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R1710	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1712	1-218-937-11	s	RESISTOR, CHIP 47
R1801	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1802	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1804	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1805	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R1806	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R1807	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R1808	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R1809	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R1810	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1812	1-218-937-11	s	RESISTOR, CHIP 47
R1903	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1904	1-218-989-11	s	RESISTOR,CHIP 1M 1/16W (1005)

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Ref. No. or Q'ty	Part No.	SP	Description
R1907	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1911	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R1912	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R1913	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R1920	1-218-955-11	s	RESISTOR, CHIP 1.5K
R1923	1-218-931-11	s	RESISTOR,CHIP 15 1/16W
R1924	1-218-931-11	s	RESISTOR,CHIP 15 1/16W
R1925	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1928	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R1931	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R1933	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R1939	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R1940	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R1941	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R1944	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R1945	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R1946	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R1947	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R1948	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R2002	1-218-937-11	s	RESISTOR, CHIP 47
R2003	1-218-969-11	s	RESISTOR,CHIP 22K 1/16W (1608)
R2004	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R2005	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R2006	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R2007	1-218-969-11	s	RESISTOR,CHIP 22K 1/16W (1608)
R2010	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R2011	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R2012	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R2013	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R2014	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R2015	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R2016	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R2018	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R2019	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R2020	1-218-977-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R2021	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R2022	1-218-977-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R2023	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
RB100	1-233-981-11	s	RES, NETWORK (CHIP TYPE) 0
RB101	1-234-372-11	s	RES, NETWORK 100X4 (1005)
RB102	1-234-372-11	s	RES, NETWORK 100X4 (1005)
RB103	1-234-372-11	s	RES, NETWORK 100X4 (1005)
RB800	1-233-981-11	s	RES, NETWORK (CHIP TYPE) 0
RB801	1-233-981-11	s	RES, NETWORK (CHIP TYPE) 0
RB802	1-233-981-11	s	RES, NETWORK (CHIP TYPE) 0
RB803	1-233-981-11	s	RES, NETWORK (CHIP TYPE) 0
RB804	1-233-981-11	s	RES, NETWORK (CHIP TYPE) 0
RB805	1-233-981-11	s	RES, NETWORK (CHIP TYPE) 0
RB806	1-233-981-11	s	RES, NETWORK (CHIP TYPE) 0
RB807	1-233-981-11	s	RES, NETWORK (CHIP TYPE) 0
RB808	1-233-981-11	s	RES, NETWORK (CHIP TYPE) 0
RB809	1-233-981-11	s	RES, NETWORK (CHIP TYPE) 0
RB810	1-233-981-11	s	RES, NETWORK (CHIP TYPE) 0
RB811	1-233-981-11	s	RES, NETWORK (CHIP TYPE) 0
RB812	1-234-372-11	s	RES, NETWORK 100X4 (1005)
RB813	1-234-372-11	s	RES, NETWORK 100X4 (1005)
RB814	1-234-372-11	s	RES, NETWORK 100X4 (1005)
RB815	1-234-372-11	s	RES, NETWORK 100X4 (1005)

## (C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
RB900	1-234-369-21	s	RES, NETWORK 10X4 (1005)
RB901	1-234-369-21	s	RES, NETWORK 10X4 (1005)
RB902	1-234-369-21	s	RES, NETWORK 10X4 (1005)
RB903	1-234-369-21	s	RES, NETWORK 10X4 (1005)
RB904	1-234-369-21	s	RES, NETWORK 10X4 (1005)
RB905	1-234-369-21	s	RES, NETWORK 10X4 (1005)
RB906	1-234-369-21	s	RES, NETWORK 10X4 (1005)
RB907	1-234-369-21	s	RES, NETWORK 10X4 (1005)
RB908	1-233-981-11	s	RES, NETWORK (CHIP TYPE) 0
RB909	1-233-981-11	s	RES, NETWORK (CHIP TYPE) 0
RB910	1-233-981-11	s	RES, NETWORK (CHIP TYPE) 0
RB911	1-233-981-11	s	RES, NETWORK (CHIP TYPE) 0
RB912	1-233-981-11	s	RES, NETWORK (CHIP TYPE) 0
RB913	1-233-981-11	s	RES, NETWORK (CHIP TYPE) 0
RB1500	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB1501	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB1502	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB1503	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB1504	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB1505	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB1506	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB1507	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB1508	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB1509	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB1510	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB1511	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB1512	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB1513	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB1514	1-234-371-11	s	RES, NETWORK 47X4 (1005)
RB1600	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB1601	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB1602	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB1700	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB1701	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB1702	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB1800	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB1801	1-234-370-11	s	RES, NETWORK 22X4 (1005)
RB1802	1-234-370-11	s	RES, NETWORK 22X4 (1005)
S1500	1-771-337-21	s	SWITCH, SLIDE
TH500	1-771-845-11	s	THERMISTOR, POSITIVE
TH501	1-803-353-21	s	THERMISTOR, POSITIVE
TH502	1-803-353-21	s	THERMISTOR, POSITIVE
TH503	1-803-353-21	s	THERMISTOR, POSITIVE
TH1600	1-803-382-11	s	THERMISTOR (10K)
TP100	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP101	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP102	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP110	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP111	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP200	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP201	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP203	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP204	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP205	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP207	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP208	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP209	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP210	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)

## (C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
TP211	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP212	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP213	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP214	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP215	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP216	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP300	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP301	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP302	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP303	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP304	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP305	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP401	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP700	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP800	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP900	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP901	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP902	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP903	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP1500	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP1600	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP1601	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP1602	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP1603	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP1604	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP1702	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP1703	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP1704	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP1803	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP1804	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP1805	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
X100	1-795-650-21	s	VIBRATOR, CRYSTAL
X700	1-813-124-21	s	VIBRATOR, CERAMIC
X800	1-795-756-11	s	VIBRATOR, CRYSTAL
X900	1-795-650-21	s	VIBRATOR, CRYSTAL
X901	1-795-650-21	s	VIBRATOR, CRYSTAL
X1900	1-795-495-21	s	VIBRATOR, CERAMIC

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GA BOARD  
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Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1302-821-A	s	MOUNTED CIRCUIT BOARD, GA
1pc	4-034-094-01	s	SHEET, INSULATE(Q101)(PLA)
3pcs	7-682-649-09	s	SCREW +PS 3X10(EP-FE/ZNBK/CM2) (Q101,D103,D111)
C101	△ 1-165-529-31	s	CAP,AC M/P 0.22U 275 M (B8113)
C102	△ 1-113-912-11	s	CAPACITOR,CERAMIC .0047MF/250V
C103	△ 1-113-912-11	s	CAPACITOR,CERAMIC .0047MF/250V
C104	1-107-680-91	s	CAP, ELECT 22MF/450V
C105	△ 1-165-530-11	s	CAPACITOR,FILM(ACROSS)0.47MF
C106	1-107-974-11	s	CAPACITOR CERAMIC 47PF/2KVDC
C107	1-126-601-11	s	CAPACITOR,ELECT 2.2MF/50V
C108	1-100-915-11	s	CAPACITOR, PE FILM 0.47MF
C109	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C110	1-107-905-11	s	CAPACITOR,ELECT 4.7MF/50V
C111	1-100-914-11	s	CAPACITOR, PE FILM 2.2MF
C112	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C113	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C114	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C115	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C116	1-128-403-11	s	CAPACITOR,ELECT 47MF/35V(CHIP)
C117	1-135-343-11	s	CAPACITOR,SOLID ELECT 120MF
C118	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C119	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C120	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C122	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C123	△ 1-117-752-11	s	CAPACITOR, ELECT 330MF/450V
C126	1-128-392-11	s	CAPACITOR,ELECT 470MF/6.3V
C128	1-100-915-11	s	CAPACITOR, PE FILM 0.47MF
CN101	△ 1-691-960-11	o	PIN,CONNECTOR (PC BOARD) 3P
CN102	1-779-884-11	s	PLUG, CONNECTOR 4P
CN103	△ 1-691-960-21	o	PIN, CONNECTOR (PC BOARD) 3P
CN104	△ 1-785-946-11	s	CONNECTOR 3P
CN105	△ 1-691-960-11	o	PIN,CONNECTOR (PC BOARD) 3P
D101	6-500-839-01	s	DIODE D1UBA80
D102	8-719-055-30	s	DIODE D1FS4A-TA
D103	△ 6-500-406-01	s	DIODE D10XB80
D104	8-719-036-94	s	DIODE RD5.6SB-T1
D106	6-500-849-01	s	DIODE ERA22-08KFLB
D107	8-719-055-33	s	DIODE DIFL40
D108	8-719-304-63	s	DIODE RM11C (RECTI)
D109	8-719-055-30	s	DIODE D1FS4A-TA
D110	8-719-510-11	s	DIODE D1FS4
D111	8-719-076-72	s	DIODE SF10L60U
D112	8-719-037-54	s	DIODE RD30SB-T1
D113	8-719-077-42	s	DIODE BZT03-C180
D114	8-719-073-01	s	DIODE MA111-(K8).SO
F101	△ 1-576-659-11	s	FUSE (5A 250V)
FB101	1-469-152-21	s	FERRITE, EMI (SMD)
IC101	6-600-279-01	s	IC STR-A6169
IC102	8-759-641-00	s	IC MC33262DR2
IC103	8-759-183-53	s	IC TL431CPK-E2
L101	△ 1-424-485-11	s	FILTER,LINE
L102	△ 1-456-768-11	s	LINE FILTER COIL
L103	△ 1-456-768-11	s	LINE FILTER COIL
L104	1-456-767-11	s	CHOKE COIL
L105	△ 1-456-766-11	s	CHOKE COIL

## (GA BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
L106	1-416-510-21	s	COIL, CHOKE 100UH
PH101	△ 8-749-016-82	s	PHOTO COUPLER PC123GY2
Q101	△ 8-729-055-36	s	TRANSISTOR SPW20N60S5
Q103	8-729-230-49	s	TRANSISTOR 2SC2712-YG
Q104	8-729-230-27	s	TRANSISTOR 2SA1213Y-TE12L
Q105	8-729-052-29	s	TRANSISTOR 2SK2876-01MR-F122
R101	△ 1-219-759-11	s	RESISTOR (SURGE RESISTANT) 1M
R102	1-218-232-91	s	RESISTOR CHIP 4.7 1/2W (4532)
R103	1-218-232-91	s	RESISTOR CHIP 4.7 1/2W (4532)
R104	1-218-907-11	s	RESISTOR,CHIP 330K 1/10W(1608)
R105	1-218-907-11	s	RESISTOR,CHIP 330K 1/10W(1608)
R106	1-218-907-11	s	RESISTOR,CHIP 330K 1/10W(1608)
R107	1-218-871-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R108	1-218-871-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R109	1-216-817-11	s	RESISTOR,CHIP 470 1/10W 1608
R110	1-249-393-11	s	RES,CARBON 10 1/4W
R111	1-216-837-11	s	RESISTOR,CHIP 22K 1/16W 1608
R112	1-216-817-11	s	RESISTOR,CHIP 470 1/10W 1608
R113	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/10W(1608)
R114	1-219-738-11	s	RES, 0.08 (RESISTOR, METAL)
R115	1-216-839-11	s	RESISTOR,CHIP 33K 1/10W 1608
R116	1-218-899-11	s	RESISTOR,CHIP 150K 1/10W(1608)
R117	1-218-907-11	s	RESISTOR,CHIP 330K 1/10W(1608)
R118	1-218-907-11	s	RESISTOR,CHIP 330K 1/10W(1608)
R119	1-218-907-11	s	RESISTOR,CHIP 330K 1/10W(1608)
R120	1-218-907-11	s	RESISTOR,CHIP 330K 1/10W(1608)
R121	1-218-871-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R122	1-218-851-11	s	RESISTOR,CHIP 1.5K 1/10W(1608)
R123	1-218-863-11	s	RESISTOR,CHIP 4.7K 1/10W(1608)
R124	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/10W(1608)
R125	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R126	1-216-841-11	s	RESISTOR, CHIP 47K 1/10W 1608
R127	1-216-841-11	s	RESISTOR, CHIP 47K 1/10W 1608
R129	1-249-393-11	s	RES,CARBON 10 1/4W
R130	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/10W(1608)
R131	1-216-864-11	s	CONDUCTOR, CHIP (1608)
RY101	△ 1-755-356-11	s	RELAY
T101	△ 1-443-299-11	s	CONVERTER TRANSFORMER (SBT)
TH101	1-803-586-41	s	THERMISTOR
TH102	1-810-509-11	s	THERMISTOR,POWER
VDR101	1-801-268-11	s	VARISTOR (TNR14V471K660)

## GB BOARD

Ref. No. or Q'ty	Part No.	SP	Description
lpc	A-1302-822-A	s	MOUNTED CIRCUIT BOARD, GB
C201	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C202	1-125-889-11	s	CAPACITOR, C.CERAMIC 2.2MF
C203	1-128-403-11	s	CAPACITOR,ELECT 47MF/35V(CHIP)
C204	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C205	1-128-004-11	s	CAPACITOR ELECT 10MF/16V(CHIP)
C206	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C207	1-128-403-11	s	CAPACITOR,ELECT 47MF/35V(CHIP)
C208	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C209	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C210	1-115-566-11	s	CAPACITOR,CERAMIC 4.7MF B/6.3V
C211	1-137-753-11	s	CAPACITOR METALIZED 4700PF
C212	1-107-911-11	s	CAPACITOR,ELECT 220MF/50V
C214	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C215	1-128-946-11	s	CAP, ELECT 2200MF / 10V
C216	1-131-976-11	s	CAP, ELECT 820MF
C217	1-131-976-11	s	CAP, ELECT 820MF
C218	1-115-781-11	s	CAPACITOR,ELECT 220MF/25V(105C)
C219	1-135-960-91	s	CAP, CHIP CERAMIC 10MF B(3225)
C220	1-135-960-91	s	CAP, CHIP CERAMIC 10MF B(3225)
C221	1-135-960-91	s	CAP, CHIP CERAMIC 10MF B(3225)
C222	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C223	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C224	1-135-960-91	s	CAP, CHIP CERAMIC 10MF B(3225)
C225	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C301	1-135-960-91	s	CAP, CHIP CERAMIC 10MF B(3225)
C302	1-135-960-91	s	CAP, CHIP CERAMIC 10MF B(3225)
C303	1-135-343-11	s	CAPACITOR,SOLID ELECT 120MF
C304	1-135-343-11	s	CAPACITOR,SOLID ELECT 120MF
C305	1-164-230-11	s	CAPACITOR,CERAMIC 220PF/50V
C306	1-164-230-11	s	CAPACITOR,CERAMIC 220PF/50V
C307	1-162-927-11	s	CAPACITOR,CERAMIC 100PF/50V CH
C308	1-162-927-11	s	CAPACITOR,CERAMIC 100PF/50V CH
C309	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C310	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C311	1-165-870-21	s	CAPACITOR, ELECT 100MF(6.3X6)
C312	1-165-870-21	s	CAPACITOR, ELECT 100MF(6.3X6)
C313	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C314	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C315	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C316	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C401	1-137-980-91	s	CAPACITOR,CHIP CERAMIC 0.47MF
C402	1-131-992-11	s	CAP, CERAMIC 100000PF F 1608
C403	1-131-992-11	s	CAP, CERAMIC 100000PF F 1608
C404	1-131-992-11	s	CAP, CERAMIC 100000PF F 1608
C405	1-131-992-11	s	CAP, CERAMIC 100000PF F 1608
C406	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C407	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C408	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C409	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C410	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C411	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C412	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C413	1-100-876-11	s	CAPACITOR, DOUBLE LAYERS 10F
C414	1-164-506-11	s	CAPACITOR,CERAMIC 4.7MF/16V
C415	1-100-876-11	s	CAPACITOR, DOUBLE LAYERS 10F
C416	1-100-876-11	s	CAPACITOR, DOUBLE LAYERS 10F
C417	1-100-876-11	s	CAPACITOR, DOUBLE LAYERS 10F

## (GB BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C418	1-100-876-11	s	CAPACITOR, DOUBLE LAYERS 10F
C419	1-131-992-11	s	CAP, CERAMIC 100000PF F 1608
C420	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
CN201	△ 1-691-960-11	o	PIN,CONNECTOR (PC BOARD) 3P
CN202	△ 1-785-946-11	s	CONNECTOR 3P
CN203	1-764-782-11	o	HOUSING, CONNECTOR 24P
CN401	1-785-125-11	o	CONNECTOR 6P
CN402	1-766-376-11	o	PIN, CONNECTOR (1.5MM)(SMD) 9P
CN403	1-573-806-21	s	PIN,CONNECTOR (6P)(SMD)(1.5MM)
D201	8-719-107-13	s	DIODE RD18M-B1
D202	8-719-037-54	s	DIODE RD30SB-T1
D203	8-719-073-01	s	DIODE MA111-(K8).S0
D204	8-719-979-64	s	DIODE UF4005PKG23
D205	8-719-055-30	s	DIODE D1FS4A-TA
D206	8-719-037-57	s	DIODE RD39SB-T1
D207	8-719-510-12	s	DIODE D10SC4M
D208	8-719-510-09	s	DIODE D10SC6M (RECTI)
D209	8-719-510-12	s	DIODE D10SC4M
D210	8-719-055-30	s	DIODE D1FS4A-TA
D211	8-719-055-30	s	DIODE D1FS4A-TA
D212	8-719-073-01	s	DIODE MA111-(K8).S0
D213	8-719-073-01	s	DIODE MA111-(K8).S0
D214	8-719-073-01	s	DIODE MA111-(K8).S0
D215	8-719-073-01	s	DIODE MA111-(K8).S0
D216	8-719-073-01	s	DIODE MA111-(K8).S0
D217	8-719-073-01	s	DIODE MA111-(K8).S0
D218	8-719-073-01	s	DIODE MA111-(K8).S0
D219	8-719-073-01	s	DIODE MA111-(K8).S0
D220	8-719-073-01	s	DIODE MA111-(K8).S0
D221	8-719-073-01	s	DIODE MA111-(K8).S0
D301	8-719-078-04	s	DIODE EC31QS03L-TE12L
D302	8-719-078-04	s	DIODE EC31QS03L-TE12L
D401	8-719-073-01	s	DIODE MA111-(K8).S0
D402	8-719-073-01	s	DIODE MA111-(K8).S0
D403	8-719-073-01	s	DIODE MA111-(K8).S0
D404	8-719-073-01	s	DIODE MA111-(K8).S0
D405	8-719-055-30	s	DIODE D1FS4A-TA
D406	8-719-073-01	s	DIODE MA111-(K8).S0
D407	8-719-055-30	s	DIODE D1FS4A-TA
D408	8-719-055-30	s	DIODE D1FS4A-TA
D409	8-719-055-30	s	DIODE D1FS4A-TA
D410	8-719-055-30	s	DIODE D1FS4A-TA
D411	8-719-941-86	s	DIODE DAN202U
D412	8-719-941-86	s	DIODE DAN202U
D413	8-719-941-86	s	DIODE DAN202U
D414	8-719-055-30	s	DIODE D1FS4A-TA
D415	8-719-055-30	s	DIODE D1FS4A-TA
D416	8-719-073-01	s	DIODE MA111-(K8).S0
IC201	6-705-768-01	s	IC MCZ3001UB
IC202	8-759-183-53	s	IC TL431CPK-E2
IC203	8-759-100-93	s	IC UPC393G2
IC301	8-759-713-98	s	IC LTC1772CS6
IC302	8-759-713-98	s	IC LTC1772CS6
IC401	8-759-643-48	s	IC BA00ASFP-E2
IC402	8-759-643-48	s	IC BA00ASFP-E2
IC403	8-759-643-48	s	IC BA00ASFP-E2
IC404	8-759-643-48	s	IC BA00ASFP-E2
IC405	8-759-643-48	s	IC BA00ASFP-E2

## (GB BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
IC406	6-702-593-01	s	IC BA10358FV-E2
IC407	6-702-593-01	s	IC BA10358FV-E2
IC408	8-759-643-48	s	IC BA00ASFP-E2
IC409	6-702-593-01	s	IC BA10358FV-E2
L201	1-409-527-41	s	COIL, CHOKE 4.7UH
L202	1-409-527-41	s	COIL, CHOKE 4.7UH
L203	1-409-527-41	s	COIL, CHOKE 4.7UH
L204	1-409-527-41	s	COIL, CHOKE 4.7UH
L301	1-409-527-41	s	COIL, CHOKE 4.7UH
L302	1-409-527-41	s	COIL, CHOKE 4.7UH
L303	1-409-529-41	s	COIL, CHOKE 10UH
L304	1-409-529-41	s	COIL, CHOKE 10UH
L305	1-409-527-41	s	COIL, CHOKE 4.7UH
L306	1-409-527-41	s	COIL, CHOKE 4.7UH
PH201	△ 8-749-016-82	l	PHOTO COUPLER PC123GY2
PH202	△ 8-749-016-82	l	PHOTO COUPLER PC123GY2
Q201	8-729-216-22	s	TRANSISTOR 2SA1162-G
Q202	8-729-230-49	s	TRANSISTOR 2SC2712-YG
Q203	8-729-052-29	s	TRANSISTOR 2SK2876-01MR-F122
Q204	8-729-052-29	s	TRANSISTOR 2SK2876-01MR-F122
Q205	8-729-028-91	s	TRANSISTOR DTA144EUA-T106
Q206	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q207	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q208	8-729-047-32	s	TRANSISTOR SI4425DY-T1
Q209	8-729-047-32	s	TRANSISTOR SI4425DY-T1
Q210	8-729-047-32	s	TRANSISTOR SI4425DY-T1
Q211	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q212	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q213	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q214	8-729-046-11	s	TRANSISTOR SI4420DY-T1
Q215	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q216	8-729-028-91	s	TRANSISTOR DTA144EUA-T106
Q217	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q301	6-550-126-01	s	TRANSISTOR SI4403DY-T1
Q302	6-550-126-01	s	TRANSISTOR SI4403DY-T1
Q401	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q402	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q403	8-729-047-32	s	TRANSISTOR SI4425DY-T1
Q404	8-729-028-91	s	TRANSISTOR DTA144EUA-T106
Q405	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q406	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q407	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
R201	1-249-389-11	s	RES,CARBON 4.7 1/4W
R202	1-218-859-11	s	RESISTOR,CHIP 3.3K 1/10W(1608)
R203	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R204	1-216-819-11	s	RESISTOR,CHIP 680 1/10W 1608
R205	1-218-875-11	s	RESISTOR,CHIP 15K 1/10W (1608)
R206	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R207	1-218-875-11	s	RESISTOR,CHIP 15K 1/10W (1608)
R208	1-218-859-11	s	RESISTOR,CHIP 3.3K 1/10W(1608)
R209	1-216-841-11	s	RESISTOR, CHIP 47K 1/10W 1608
R210	1-218-907-11	s	RESISTOR,CHIP 330K 1/10W(1608)
R211	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R212	1-218-907-11	s	RESISTOR,CHIP 330K 1/10W(1608)
R213	1-216-809-11	s	RESISTOR,CHIP 100 1/10W 1608
R214	1-218-907-11	s	RESISTOR,CHIP 330K 1/10W(1608)
R215	1-216-797-11	s	RESISTOR,CHIP 10 1/10W 1608



## (GB BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R216	1-216-797-11	s	RESISTOR,CHIP 10 1/10W 1608
R217	1-249-417-11	s	RESISTOR,CARBON 1K 1/4W(SMALL)
R218	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R219	1-216-815-11	s	RESISTOR,CHIP 330 1/10W 1608
R220	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R221	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/10W(1608)
R222	1-202-933-61	s	RESISTOR, FUSE 0.1 1/2W
R223	1-243-803-71	s	RES, OXIDE METAL FILM 0.33
R224	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R225	1-216-841-11	s	RESISTOR, CHIP 47K 1/10W 1608
R226	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/10W(1608)
R227	1-216-835-11	s	RESISTOR,CHIP 15K 1/10W
R228	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/10W(1608)
R229	1-216-827-11	s	RESISTOR, CHIP 3.3K 1/10W 1608
R230	1-216-817-11	s	RESISTOR,CHIP 470 1/10W 1608
R231	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R232	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/10W(1608)
R233	1-218-873-11	s	RESISTOR,CHIP 12K 1/10W (1608)
R234	1-218-863-11	s	RESISTOR,CHIP 4.7K 1/10W(1608)
R235	1-218-871-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R236	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/10W 1608
R237	1-216-835-11	s	RESISTOR,CHIP 15K 1/10W
R238	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/10W(1608)
R239	1-216-841-11	s	RESISTOR, CHIP 47K 1/10W 1608
R240	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R241	1-216-827-11	s	RESISTOR, CHIP 3.3K 1/10W 1608
R242	1-216-845-11	s	RESISTOR,CHIP 100K 1/10W(1608)
R243	1-216-841-11	s	RESISTOR, CHIP 47K 1/10W 1608
R244	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R245	1-216-841-11	s	RESISTOR, CHIP 47K 1/10W 1608
R246	1-216-841-11	s	RESISTOR, CHIP 47K 1/10W 1608
R247	1-216-841-11	s	RESISTOR, CHIP 47K 1/10W 1608
R248	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/10W 1608
R249	1-216-837-11	s	RESISTOR,CHIP 22K 1/16W 1608
R250	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R251	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R252	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R253	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/10W(1608)
R254	1-216-835-11	s	RESISTOR,CHIP 15K 1/10W
R255	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R256	1-216-835-11	s	RESISTOR,CHIP 15K 1/10W
R257	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/10W(1608)
R258	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R259	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R260	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R261	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R301	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R302	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R303	1-219-611-21	s	RESISTOR, CHIP 0.047 1W
R304	1-216-797-11	s	RESISTOR,CHIP 10 1/10W 1608
R305	1-219-611-21	s	RESISTOR, CHIP 0.047 1W
R306	1-216-797-11	s	RESISTOR,CHIP 10 1/10W 1608
R307	1-218-901-11	s	RESISTOR,CHIP 180K 1/10W(1608)
R308	1-218-885-11	s	RESISTOR,CHIP 39K 1/10W (1608)
R309	1-218-891-11	s	RESISTOR,CHIP 68K 1/10W (1608)
R310	1-218-907-11	s	RESISTOR,CHIP 330K 1/10W(1608)
R311	1-218-881-11	s	RESISTOR, CHIP 27K 1/10W(1608)
R312	1-218-891-11	s	RESISTOR,CHIP 68K 1/10W (1608)
R313	1-216-817-11	s	RESISTOR,CHIP 470 1/10W 1608

## (GB BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R314	1-216-817-11	s	RESISTOR,CHIP 470 1/10W 1608
R401	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R402	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R403	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R404	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R405	1-216-839-11	s	RESISTOR,CHIP 33K 1/10W 1608
R406	1-216-839-11	s	RESISTOR,CHIP 33K 1/10W 1608
R407	1-216-839-11	s	RESISTOR,CHIP 33K 1/10W 1608
R408	1-216-839-11	s	RESISTOR,CHIP 33K 1/10W 1608
R409	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R410	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/10W(1608)
R411	1-218-883-11	s	RESISTOR,CHIP 33K 1/10W (1608)
R412	1-218-849-11	s	RESISTOR,CHIP 1.2K 1/10W(1608)
R413	1-218-863-11	s	RESISTOR,CHIP 4.7K 1/10W(1608)
R414	1-218-869-11	s	RESISTOR,CHIP 8.2K 1/10W(1608)
R415	1-218-883-11	s	RESISTOR,CHIP 33K 1/10W (1608)
R416	1-218-849-11	s	RESISTOR,CHIP 1.2K 1/10W(1608)
R417	1-218-863-11	s	RESISTOR,CHIP 4.7K 1/10W(1608)
R418	1-218-889-11	s	RESISTOR,CHIP 56K 1/10W(1608)
R419	1-218-825-11	s	RESISTOR,CHIP 120 1/10W (1608)
R420	1-218-867-11	s	RESISTOR,CHIP 6.8K 1/10W(1608)
R421	1-218-883-11	s	RESISTOR,CHIP 33K 1/10W (1608)
R422	1-218-849-11	s	RESISTOR,CHIP 1.2K 1/10W(1608)
R423	1-218-863-11	s	RESISTOR,CHIP 4.7K 1/10W(1608)
R424	1-218-863-11	s	RESISTOR,CHIP 4.7K 1/10W(1608)
R425	1-218-883-11	s	RESISTOR,CHIP 33K 1/10W (1608)
R426	1-218-863-11	s	RESISTOR,CHIP 4.7K 1/10W(1608)
R427	1-218-869-11	s	RESISTOR,CHIP 8.2K 1/10W(1608)
R428	1-218-873-11	s	RESISTOR,CHIP 12K 1/10W (1608)
R429	1-218-869-11	s	RESISTOR,CHIP 8.2K 1/10W(1608)
R430	1-215-864-00	s	RESISTOR,METAL FILM 150 1W
R431	1-215-864-00	s	RESISTOR,METAL FILM 150 1W
R433	1-218-847-11	s	RESISTOR,CHIP 1K 1/10W (1608)
R434	1-216-851-11	s	RESISTOR,CHIP 330K 1/16W 1608
R435	1-218-847-11	s	RESISTOR, CHIP 1K 1/10W (1608)
R436	1-218-847-11	s	RESISTOR, CHIP 1K 1/10W (1608)
R437	1-218-847-11	s	RESISTOR, CHIP 1K 1/10W (1608)
R438	1-218-847-11	s	RESISTOR, CHIP 1K 1/10W (1608)
R439	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R440	1-216-851-11	s	RESISTOR,CHIP 330K 1/16W 1608
R442	1-216-851-11	s	RESISTOR,CHIP 330K 1/16W 1608
R443	1-216-809-11	s	RESISTOR,CHIP 100 1/10W 1608
R444	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R445	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/10W(1608)
R446	1-216-837-11	s	RESISTOR,CHIP 22K 1/16W 1608
R448	1-216-837-11	s	RESISTOR,CHIP 22K 1/16W 1608
R449	1-216-837-11	s	RESISTOR,CHIP 22K 1/16W 1608
R450	1-216-837-11	s	RESISTOR,CHIP 22K 1/16W 1608
R451	1-216-837-11	s	RESISTOR,CHIP 22K 1/16W 1608
R452	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R453	1-216-839-11	s	RESISTOR,CHIP 33K 1/10W 1608
R454	1-218-889-11	s	RESISTOR,CHIP 56K 1/10W(1608)
R455	1-218-845-11	s	RESISTOR,CHIP 820 1/10W (1608)
R456	1-218-867-11	s	RESISTOR,CHIP 6.8K 1/10W(1608)
R457	1-218-873-11	s	RESISTOR,CHIP 12K 1/10W (1608)
R458	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
T201	Δ 1-437-301-11	s	TRANSFORMER, CONVERTER (PIT)

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H1 BOARD  
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Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1410-793-A	s MOUNTED CIRCUIT BOARD, H1
C50	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C51	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
CN50	1-770-625-21	s PIN, CONNECTOR 8P
D50	8-719-045-51	s DIODE SEC2422C
D51	8-719-045-51	s DIODE SEC2422C
D52	8-719-914-44	s DIODE DAP202K (DUAL)
D53	8-719-914-43	s DIODE DAN202K
D54	8-719-914-44	s DIODE DAP202K (DUAL)
D55	8-719-914-43	s DIODE DAN202K
Q50	8-729-040-87	s TRANSISTOR 2SJ463A-T1
Q51	8-729-028-73	s TRANSISTOR DTA114EUA-T106
R50	1-218-970-11	s RESISTOR CHIP 27K 1/16W (1005)
R51	1-218-966-11	s RESISTOR, CHIP 12K
R52	1-218-963-11	s RESISTOR,CHIP 6.8K 1/16W
R53	1-218-960-11	s RESISTOR, CHIP 3.9K 1/16W
R54	1-218-958-11	s RESISTOR,CHIP 2.7K 1/16W(1005)
R55	1-218-941-81	s RESISTOR,CHIP 100,1/16W (1005)
R56	1-218-941-81	s RESISTOR,CHIP 100,1/16W (1005)
R57	1-218-957-11	s RESISTOR,CHIP 2.2K 1/16W(1608)
R58	1-218-941-81	s RESISTOR,CHIP 100,1/16W (1005)
R59	1-218-955-11	s RESISTOR, CHIP 1.5K
R60	1-218-941-81	s RESISTOR,CHIP 100,1/16W (1005)
R61	1-218-956-11	s RESISTOR, CHIP 1.8K
R62	1-218-955-11	s RESISTOR, CHIP 1.5K
R63	1-218-956-11	s RESISTOR, CHIP 1.8K
S50	1-786-651-11	s TACTILE SWITCH
S51	1-771-105-11	s SWITCH, TACTILE
S52	1-771-105-11	s SWITCH, TACTILE
S53	1-771-105-11	s SWITCH, TACTILE
S54	1-771-105-11	s SWITCH, TACTILE
S55	1-771-105-11	s SWITCH, TACTILE
TP50	1-535-757-11	s CHIP, CHECKER (CONNECTOR)

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H2 BOARD  
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Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1410-798-A	s MOUNTED CIRCUIT BOARD, H2
C70	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C71	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
CN70	1-770-625-21	s PIN, CONNECTOR 8P
D70	8-719-045-61	s DIODE SEC1901C
D71	8-719-045-61	s DIODE SEC1901C
D72	8-719-045-53	s DIODE SEC1801C
D73	8-719-914-44	s DIODE DAP202K (DUAL)
D74	8-719-914-43	s DIODE DAN202K
D75	8-719-914-44	s DIODE DAP202K (DUAL)
D76	8-719-914-43	s DIODE DAN202K
D77	8-719-914-44	s DIODE DAP202K (DUAL)
D78	8-719-914-43	s DIODE DAN202K
Q70	8-729-028-73	s TRANSISTOR DTA114EUA-T106
Q71	8-729-028-73	s TRANSISTOR DTA114EUA-T106
Q72	8-729-028-73	s TRANSISTOR DTA114EUA-T106
R70	1-218-941-81	s RESISTOR,CHIP 100,1/16W (1005)
R71	1-218-941-81	s RESISTOR,CHIP 100,1/16W (1005)
R72	1-218-941-81	s RESISTOR,CHIP 100,1/16W (1005)
R73	1-218-963-11	s RESISTOR,CHIP 6.8K 1/16W
R74	1-218-960-11	s RESISTOR, CHIP 3.9K 1/16W
R75	1-218-958-11	s RESISTOR,CHIP 2.7K 1/16W(1005)
R76	1-218-957-11	s RESISTOR,CHIP 2.2K 1/16W(1608)
R79	1-218-966-11	s RESISTOR, CHIP 12K
R80	1-218-960-11	s RESISTOR, CHIP 3.9K 1/16W
R81	1-218-967-11	s RESISTOR,CHIP 15K 1/16W (1608)
S70	1-771-105-11	s SWITCH, TACTILE
S71	1-771-105-11	s SWITCH, TACTILE
S72	1-771-105-11	s SWITCH, TACTILE
S73	1-771-105-11	s SWITCH, TACTILE
S74	1-771-105-11	s SWITCH, TACTILE
S75	1-771-105-11	s SWITCH, TACTILE
TP70	1-535-757-11	s CHIP, CHECKER (CONNECTOR)

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L BOARD  
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Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1410-794-A	s MOUNTED CIRCUIT BOARD, L
D90	8-719-084-01	s DIODE (LED) NSCW215T

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M BOARD  
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Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1302-819-A	s	MOUNTED CIRCUIT BOARD, M
C1001	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C1004	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C1007	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1008	1-164-505-11	s	CAPACITOR,CHIP CERAMIC 2.2MF
C1009	1-117-370-11	s	CAPACITOR CERAMIC 10MF (3216)
C1010	1-117-370-11	s	CAPACITOR CERAMIC 10MF (3216)
C1011	1-117-720-11	s	CAPACITOR, CERAMIC 4.7MF/10V F
C1012	1-117-720-11	s	CAPACITOR, CERAMIC 4.7MF/10V F
C1013	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1014	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C1015	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1017	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1018	1-119-667-11	s	CAPACITOR CERAMIC 22MF/10V(F)
C1019	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1020	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1021	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1022	1-119-667-11	s	CAPACITOR CERAMIC 22MF/10V(F)
C1023	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1024	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1025	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1026	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1027	1-115-467-11	s	CAPACITOR CERAMIC 0.22MF/10V B
C1028	1-164-935-11	s	CAPACITOR,CHIP CERAMIC 470PF
C1029	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C1030	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C1031	1-126-204-11	s	CAPACITOR, ELECT 47MF/16V(CHIP
C1033	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1035	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1036	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1037	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1102	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1103	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1104	1-165-989-11	s	CAPACITOR, CERAMIC 10MF (2012)
C1105	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1106	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1107	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1108	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1109	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1110	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1111	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1112	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1113	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1114	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1115	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1116	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1117	1-165-989-11	s	CAPACITOR, CERAMIC 10MF (2012)
C1118	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1201	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1202	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1203	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1204	1-165-989-11	s	CAPACITOR, CERAMIC 10MF (2012)
C1205	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1206	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1207	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1208	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1209	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1210	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF

(M BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C1211	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1212	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1213	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1214	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1215	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1216	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1217	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1218	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1219	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1220	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1221	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1222	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1223	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1224	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1225	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1226	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1227	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1228	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1229	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1230	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1231	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1232	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1233	1-165-989-11	s	CAPACITOR, CERAMIC 10MF (2012)
C1234	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1235	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1236	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1237	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1238	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1239	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1240	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1241	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1242	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1243	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1244	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1245	1-165-989-11	s	CAPACITOR, CERAMIC 10MF (2012)
C1246	1-165-989-11	s	CAPACITOR, CERAMIC 10MF (2012)
CN1003	1-818-313-11	s	FFC/FPC CONNECTOR (ZIF)
CN1004	1-816-760-11	s	CONNECTOR, MEMORY STICK
CN1005	1-818-313-11	s	FFC/FPC CONNECTOR (ZIF)
CN1201	1-770-627-21	s	PIN, CONNECTOR 10P
D1001	8-719-045-61	s	DIODE SEC1901C
D1002	8-719-059-53	s	DIODE MA3J14700LSO
D1003	8-719-059-53	s	DIODE MA3J14700LSO
D1004	8-719-059-53	s	DIODE MA3J14700LSO
D1005	8-719-059-53	s	DIODE MA3J14700LSO
D1006	8-719-045-61	s	DIODE SEC1901C
D1100	8-719-941-86	s	DIODE DAN202U
FB1001	1-400-150-11	s	FERRITE, EMI (SMD)
FB1002	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1003	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1005	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1006	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1007	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1008	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1009	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1010	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1011	1-414-921-11	s	INDUCTOR, FERRITE BEAD

## (M BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
FB1012	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1101	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1102	1-469-670-11	o	FERRITE, EMI (SMD)
FB1201	1-469-670-11	o	FERRITE, EMI (SMD)
FB1202	1-469-670-11	o	FERRITE, EMI (SMD)
FB1203	1-469-670-11	o	FERRITE, EMI (SMD)
FB1204	1-469-670-11	o	FERRITE, EMI (SMD)
FB1205	1-469-670-11	o	FERRITE, EMI (SMD)
IC1001	6-704-958-01	s	IC AIC1117A-18PYJTR
IC1002	8-759-665-50	s	IC AK4352VT-E2
IC1003	8-759-549-14	s	IC SN74LV244APWR
IC1004	6-702-812-11	s	IC CY27027ZZCT
IC1005	8-759-331-27	s	IC MM1096AFF
IC1006	6-704-952-01	s	IC AIC1084-PEJTR
IC1007	6-700-551-01	s	IC MIC2562A-OBMTR
IC1008	6-703-108-01	o	IC SN74LVC2G04DCKR
IC1101	6-704-521-01	s	IC MB93493PB-GE1
IC1102	6-702-688-01	s	IC M24C64-WMN6T(B)
IC1201	6-700-628-01	s	IC HY57V281620HCT-H-TR
IC1202	6-700-628-01	s	IC HY57V281620HCT-H-TR
IC1203	6-804-089-01	s	IC MX29LV320ABTC-90G-768MS100
IC1204	6-704-509-01	s	IC MB93403-26PB-GE1
L1001	1-414-770-91	s	INDUCTOR 4.7UH
L1002	1-469-058-11	s	INDUCTOR 22UH
Q1001	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q1002	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q1003	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q1004	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q1005	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q1006	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q1007	8-729-028-91	s	TRANSISTOR DTA144EUA-T106
Q1105	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q1200	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
R1001	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1002	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1003	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1004	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1006	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1007	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1008	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R1009	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R1010	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1011	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1012	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1013	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1014	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1015	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1016	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1017	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1018	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1019	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1020	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1021	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1023	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1024	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1025	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1026	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R1027	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)

## (M BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R1028	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1029	1-218-937-11	s	RESISTOR, CHIP 47
R1030	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R1032	1-218-977-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R1033	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R1034	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R1035	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1036	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1037	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1038	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1039	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1040	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1041	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1042	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1043	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1044	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1046	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1047	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R1048	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R1049	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1050	1-218-989-11	s	RESISTOR,CHIP 1M 1/16W (1005)
R1051	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1052	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1053	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1054	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1055	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R1056	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1057	1-218-945-11	s	RESISTOR,CHIP 220 1/16W(1005)
R1058	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1060	1-208-659-11	s	RESISTOR CHIP 100 1/16W (1005)
R1061	1-208-671-11	s	RESISTOR CHIP 330 1/16W (1005)
R1062	1-208-671-11	s	RESISTOR CHIP 330 1/16W (1005)
R1064	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1065	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1066	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1067	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1068	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1069	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1076	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R1077	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R1110	1-218-955-11	s	RESISTOR, CHIP 1.5K
R1112	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1114	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R1115	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1117	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1118	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1120	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1122	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R1123	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1124	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1125	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1126	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1127	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1128	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1129	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1130	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1131	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R1132	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R1134	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)



(M BOARD)

Ref. No. or Q'ty	Part No.	SP Description	
RB1225	1-234-370-11	s RES, NETWORK 22X4	(1005)
RB1226	1-234-370-11	s RES, NETWORK 22X4	(1005)
RB1227	1-234-371-11	s RES, NETWORK 47X4	(1005)
RB1228	1-234-371-11	s RES, NETWORK 47X4	(1005)
RB1229	1-234-370-11	s RES, NETWORK 22X4	(1005)
TP1002	1-535-757-11	s CHIP, CHECKER (CONNECTOR)	
TP1003	1-535-757-11	s CHIP, CHECKER (CONNECTOR)	
TP1004	1-535-757-11	s CHIP, CHECKER (CONNECTOR)	
TP1005	1-535-757-11	s CHIP, CHECKER (CONNECTOR)	
TP1006	1-535-757-11	s CHIP, CHECKER (CONNECTOR)	
TP1007	1-535-757-11	s CHIP, CHECKER (CONNECTOR)	
TP1008	1-535-757-11	s CHIP, CHECKER (CONNECTOR)	
TP1009	1-535-757-11	s CHIP, CHECKER (CONNECTOR)	
TP1010	1-535-757-11	s CHIP, CHECKER (CONNECTOR)	
X1001	1-795-690-22	s OSCILLATOR, CRYSTAL (SMD)	

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NR BOARD  
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Ref. No. or Q'ty	Part No.	SP Description	
1pc	A-1410-795-A	s MOUNTED CIRCUIT BOARD, NR	
C10	1-165-875-11	s CAPACITOR, CHIP CERAMIC 10MF B	
CN10	1-770-620-21	s PIN, CONNECTOR 3P	
IC10	6-704-826-01	s IC KRM-TR303E-TP	
R10	1-218-937-11	s RESISTOR, CHIP 47	
R11	1-218-941-81	s RESISTOR,CHIP 100,1/16W (1005)	

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QA BOARD  
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Ref. No. or Q'ty	Part No.	SP Description	
1pc	A-1410-805-A	s MOUNTED CIRCUIT BOARD, QA	
C10	1-165-875-11	s CAPACITOR, CHIP CERAMIC 10MF B	
C11	1-165-875-11	s CAPACITOR, CHIP CERAMIC 10MF B	
CN10	1-770-860-11	s CONNECTOR, S TERMINAL	
CN11	1-770-628-11	s PIN, CONNECTOR 11P	
D10	6-500-331-01	s DIODE RD3.9UM-T1B	
D11	6-500-331-01	s DIODE RD3.9UM-T1B	
D12	6-500-331-01	s DIODE RD3.9UM-T1B	
D13	6-500-331-01	s DIODE RD3.9UM-T1B	
D14	6-500-331-01	s DIODE RD3.9UM-T1B	
D15	8-719-158-37	s DIODE RD9.1SB2	
D16	8-719-158-37	s DIODE RD9.1SB2	
J10	1-785-549-41	o JACK, PIN YELLOW	
J11	1-566-822-21	s JACK	
R10	1-216-811-11	s RESISTOR, CHIP 150 1/16W(1608)	
R11	1-216-811-11	s RESISTOR, CHIP 150 1/16W(1608)	
R12	1-216-811-11	s RESISTOR, CHIP 150 1/16W(1608)	
R13	1-216-811-11	s RESISTOR, CHIP 150 1/16W(1608)	
R14	1-216-811-11	s RESISTOR, CHIP 150 1/16W(1608)	
R15	1-216-811-11	s RESISTOR, CHIP 150 1/16W(1608)	
R16	1-216-864-11	s CONDUCTOR, CHIP (1608)	
R17	1-216-864-11	s CONDUCTOR, CHIP (1608)	
R18	1-216-864-11	s CONDUCTOR, CHIP (1608)	
R19	1-216-853-11	s RESISTOR,CHIP 470K 1/16W(1608)	
R20	1-216-853-11	s RESISTOR,CHIP 470K 1/16W(1608)	
R21	1-216-864-11	s CONDUCTOR, CHIP (1608)	
R22	1-216-864-11	s CONDUCTOR, CHIP (1608)	
R23	1-216-864-11	s CONDUCTOR, CHIP (1608)	

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QB BOARD  
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Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1302-824-A	s	MOUNTED CIRCUIT BOARD, QB
C50	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C51	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C52	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C53	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C54	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C55	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C56	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C57	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C58	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C59	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C60	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C61	1-128-399-11	s	CAPACITOR ELECT 330MF/16V(CHIP
C62	1-128-399-11	s	CAPACITOR ELECT 330MF/16V(CHIP
C63	1-128-399-11	s	CAPACITOR ELECT 330MF/16V(CHIP
C64	1-126-603-11	s	CAPACITOR,ELECT 4.7MF/35V
C65	1-126-603-11	s	CAPACITOR,ELECT 4.7MF/35V
CN50	1-565-269-11	s	SOCKET,CONNECTOR 9P
CN51	1-770-624-21	s	PIN, CONNECTOR 7P
CN52	1-784-828-11	s	CONNECTOR, D SUB
CN53	1-770-629-21	s	PIN, CONNECTOR 12P
D50	8-719-037-53	s	DIODE RD27SB-T1
D51	8-719-037-53	s	DIODE RD27SB-T1
D52	8-719-059-53	s	DIODE MA3J14700LSO
D53	8-719-059-53	s	DIODE MA3J14700LSO
D54	8-719-037-53	s	DIODE RD27SB-T1
D55	8-719-037-53	s	DIODE RD27SB-T1
D56	8-719-037-53	s	DIODE RD27SB-T1
D57	8-719-059-53	s	DIODE MA3J14700LSO
D58	8-719-037-53	s	DIODE RD27SB-T1
D59	8-719-158-37	s	DIODE RD9.1SB2
D60	8-719-158-37	s	DIODE RD9.1SB2
IC50	8-759-644-09	s	IC MAX3222ECAP-TG068
J50	1-566-822-21	s	JACK
Q50	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
R50	1-216-809-11	s	RESISTOR,CHIP 100 1/10W 1608
R51	1-216-809-11	s	RESISTOR,CHIP 100 1/10W 1608
R52	1-216-809-11	s	RESISTOR,CHIP 100 1/10W 1608
R53	1-216-809-11	s	RESISTOR,CHIP 100 1/10W 1608
R54	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R55	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R56	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R57	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R58	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/10W(1608)
R65	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/10W(1608)
R66	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/10W(1608)
R69	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/10W(1608)
R70	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/10W(1608)
R71	1-216-841-11	s	RESISTOR, CHIP 47K 1/10W 1608
R72	1-216-841-11	s	RESISTOR, CHIP 47K 1/10W 1608
R73	1-216-841-11	s	RESISTOR, CHIP 47K 1/10W 1608
TP50	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP51	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)

-----  
QC BOARD  
-----

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1302-820-A	s	MOUNTED CIRCUIT BOARD, QC
C2100	1-165-875-11	s	CAPACITOR, CHIP CERAMIC 10MF B
CN2100	1-816-408-11	s	PIN, HEADER (CF CARD)
CN2101	1-818-313-11	s	FFC/FPC CONNECTOR (ZIF)
IC2100	6-704-826-01	s	IC KRM-TR303E-TP
R2100	1-218-937-11	s	RESISTOR, CHIP 47
R2101	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)

-----  
U BOARD  
-----

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1410-796-A	s	MOUNTED CIRCUIT BOARD, U
CN20	1-785-946-11	s	CONNECTOR 3P
S20	1-762-984-11	s	SWITCH, PUSH
TH20	1-803-382-11	s	THERMISTOR (10K)

-----  
V BOARD  
-----

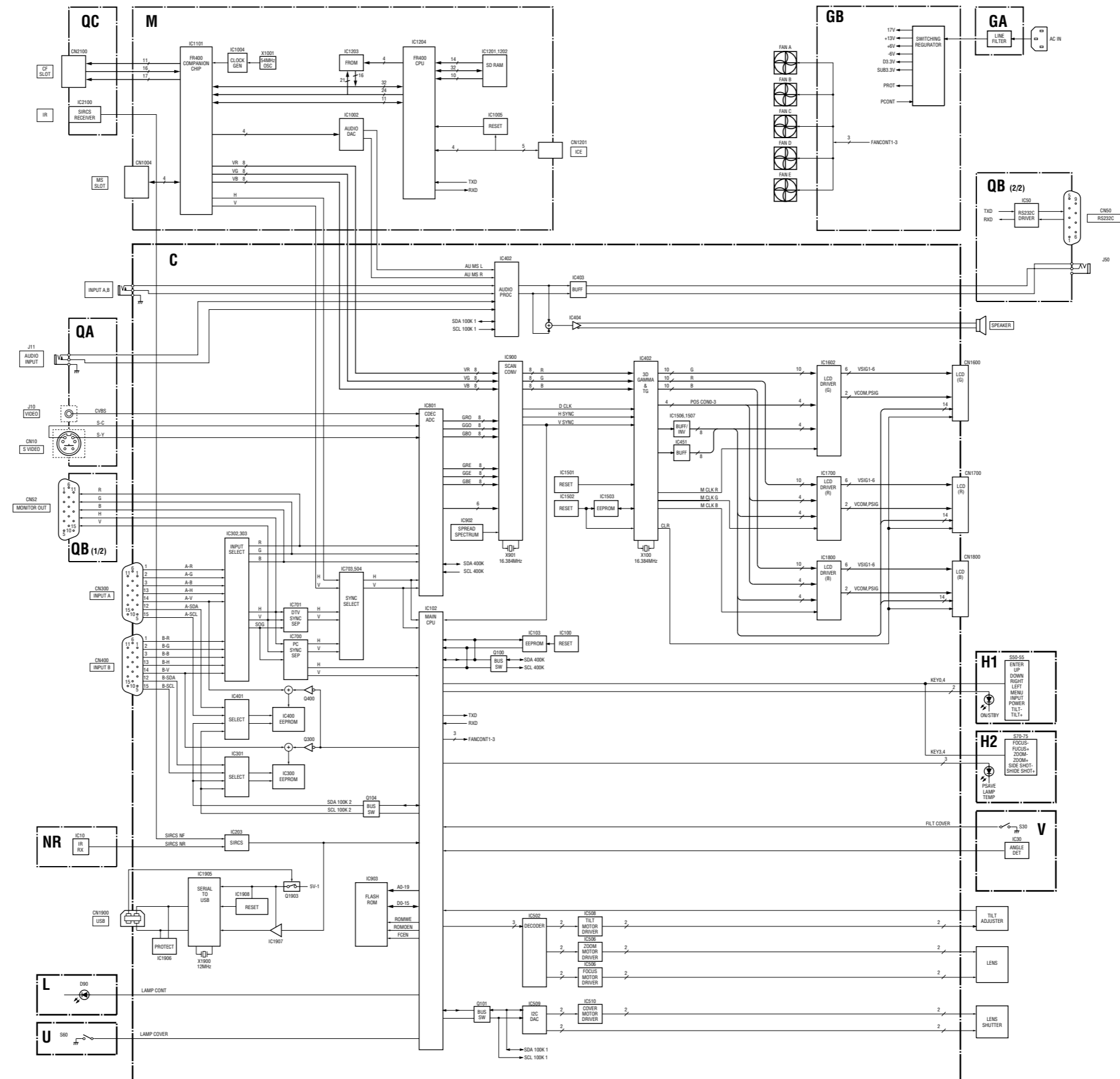
Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1303-025-A	s	MOUNTED CIRCUIT BOARD, V
C31	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C33	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
CN30	1-770-624-21	s	PIN, CONNECTOR 7P
FB30	1-414-921-11	s	INDUCTOR, FERRITE BEAD
IC30	6-705-943-01	s	IC MXS3125GL
R32	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R34	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R35	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R37	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
S30	1-786-644-21	s	SWITCH, PUSH (1 KEY)
TH30	1-803-382-11	s	THERMISTOR (10K)

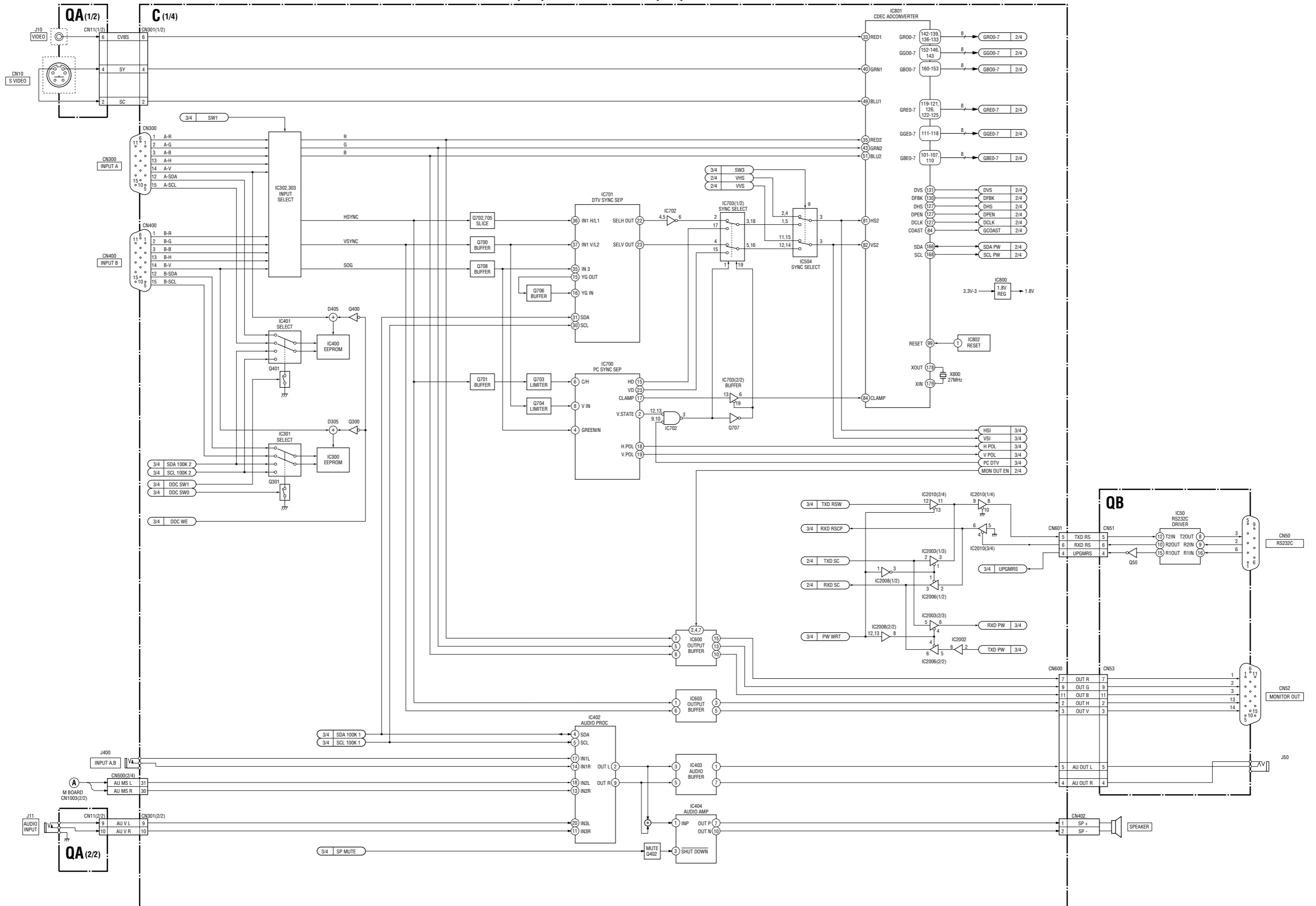
-----  
 PACKING MATERIALS & SUPPLIED ACCESSORIES  
 -----

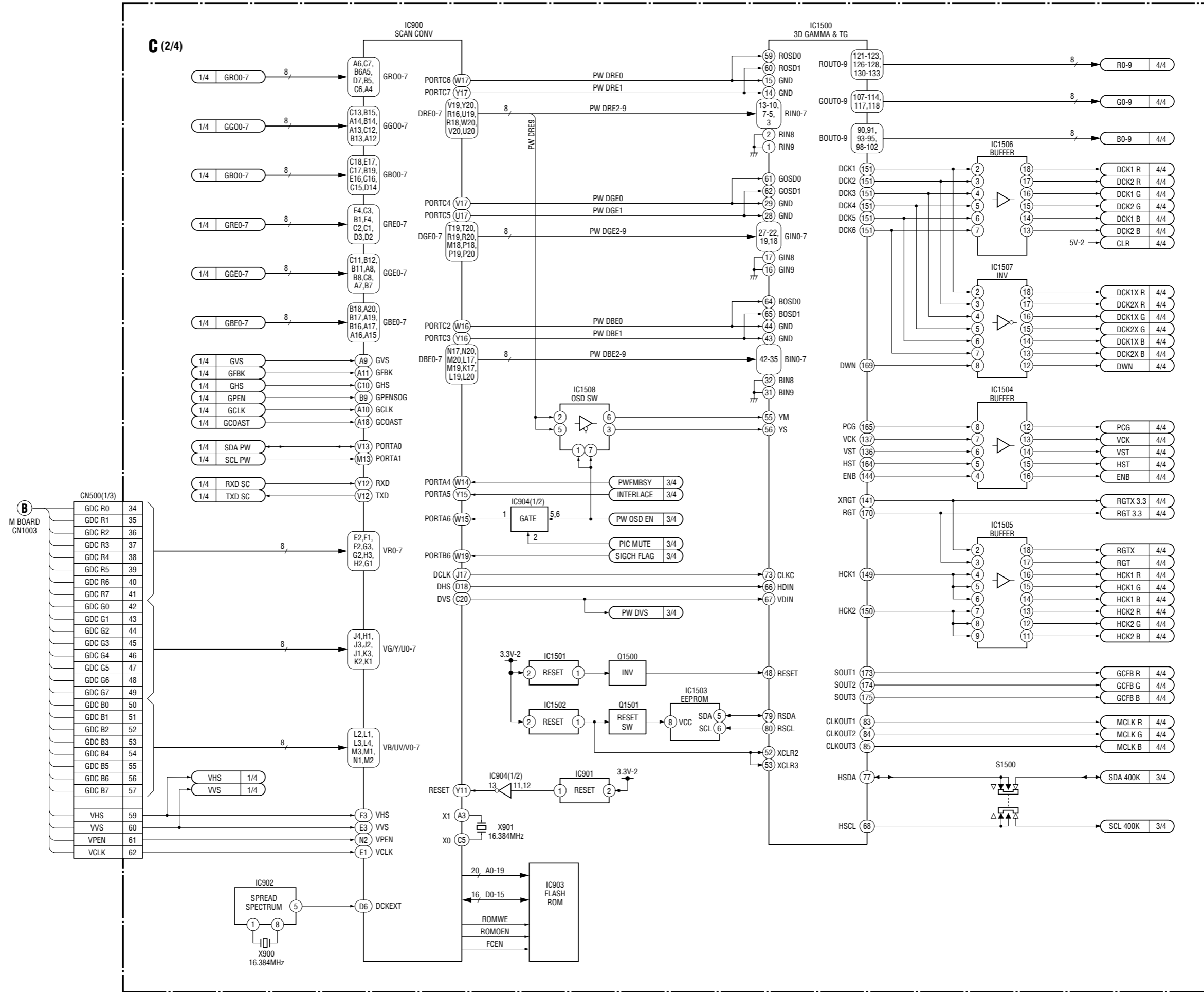
Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1059-524-A	s WIRELESS LAN CARD (CF) ASSY
1pc	A-1059-525-A	s WIRELESS LAN CARD (USB) ASSY
1pc	1-478-734-11	s REMOTE COMMANDER RM-PJM17
1pc	9-885-010-98	s COVER, BATTERY (RM-PJM17)
1pc	1-478-737-11	s REMOTE COMMANDER RM-PJP1
1pc	2-024-232-01	s COVER, BATTERY (RM-PJP1)
1pc	△ -----	POWER CORD (See Warning on Power Connection on page 1-15.)
1pc	1-790-081-31	s USB CABLE
1pc	1-791-992-31	s CABLE ASSY (15P D SUB CONNECTOR X2)
1pc	2-023-819-02	s OPERATING INSTRUCTIONS (USB Storage Media)(Simplified Chinese, Traditional Chinese, German, Spanish, French, English, Italian, Japanese, Korean, Portuguese)
1pc	4-103-368-01	s FILTER
1pc	4-103-423-02	s CD ROM PACK
1pc	4-103-424-01	s CARRYING CASE
1pc	4-103-425-01	s OPERATING INSTRUCTION (Japanese, Simplified Chinese)
1pc	4-103-425-11	s OPERATING INSTRUCTION (Spanish, French, English)
1pc	4-103-425-21	s OPERATING INSTRUCTION (German, Italian)
1pc	8-892-388-39	s USB USM32AP

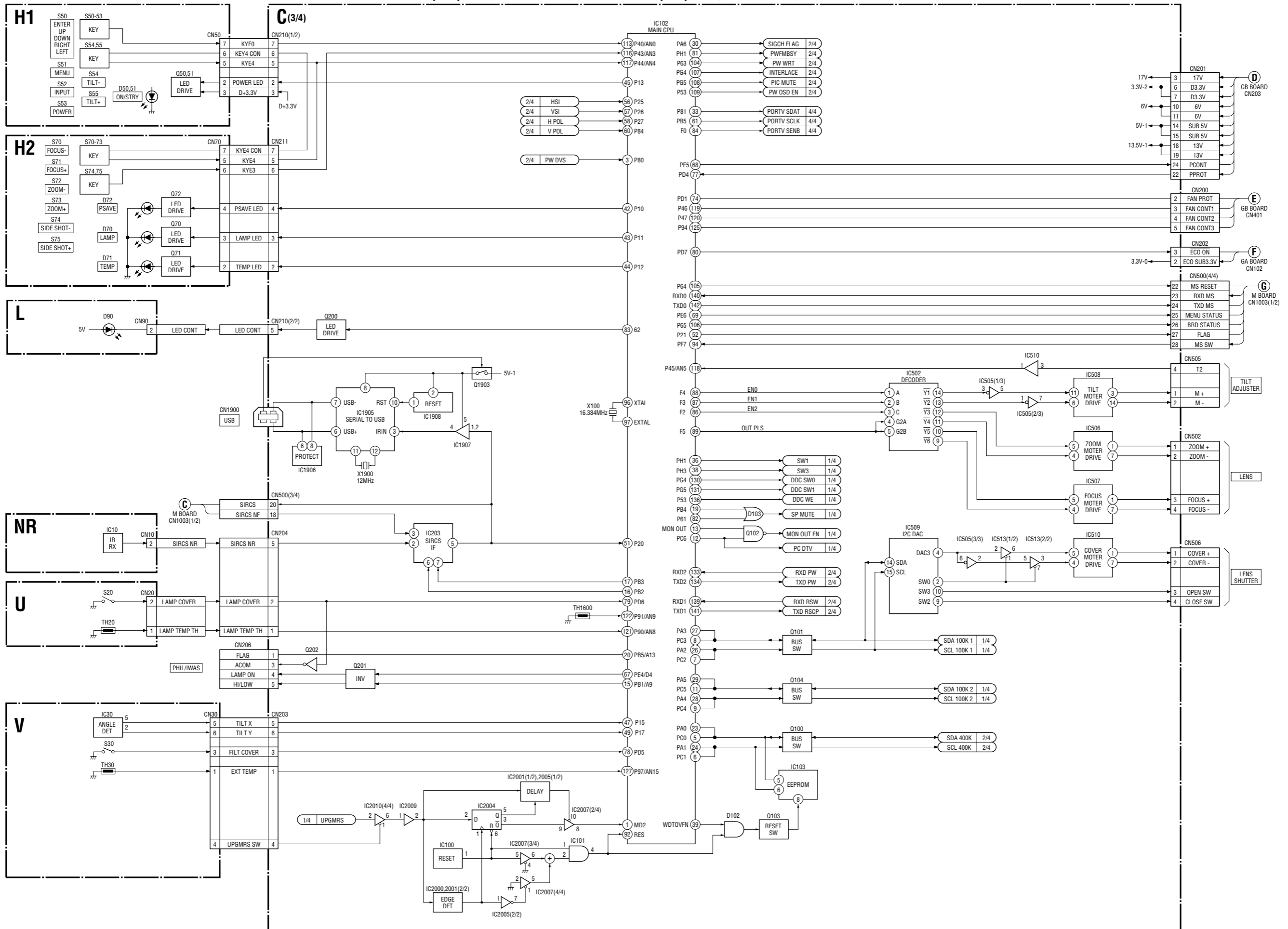


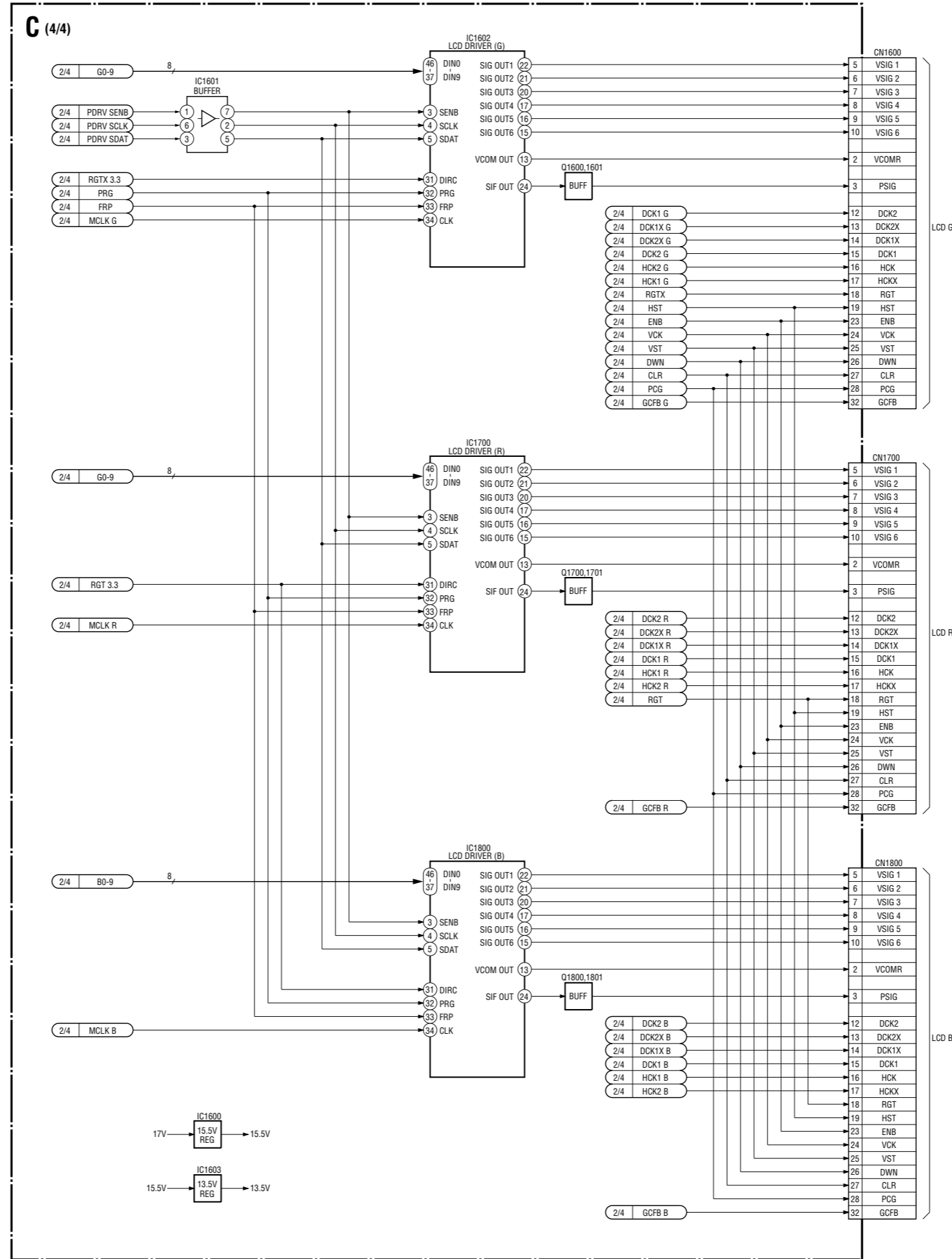
### Section 5 Block Diagrams

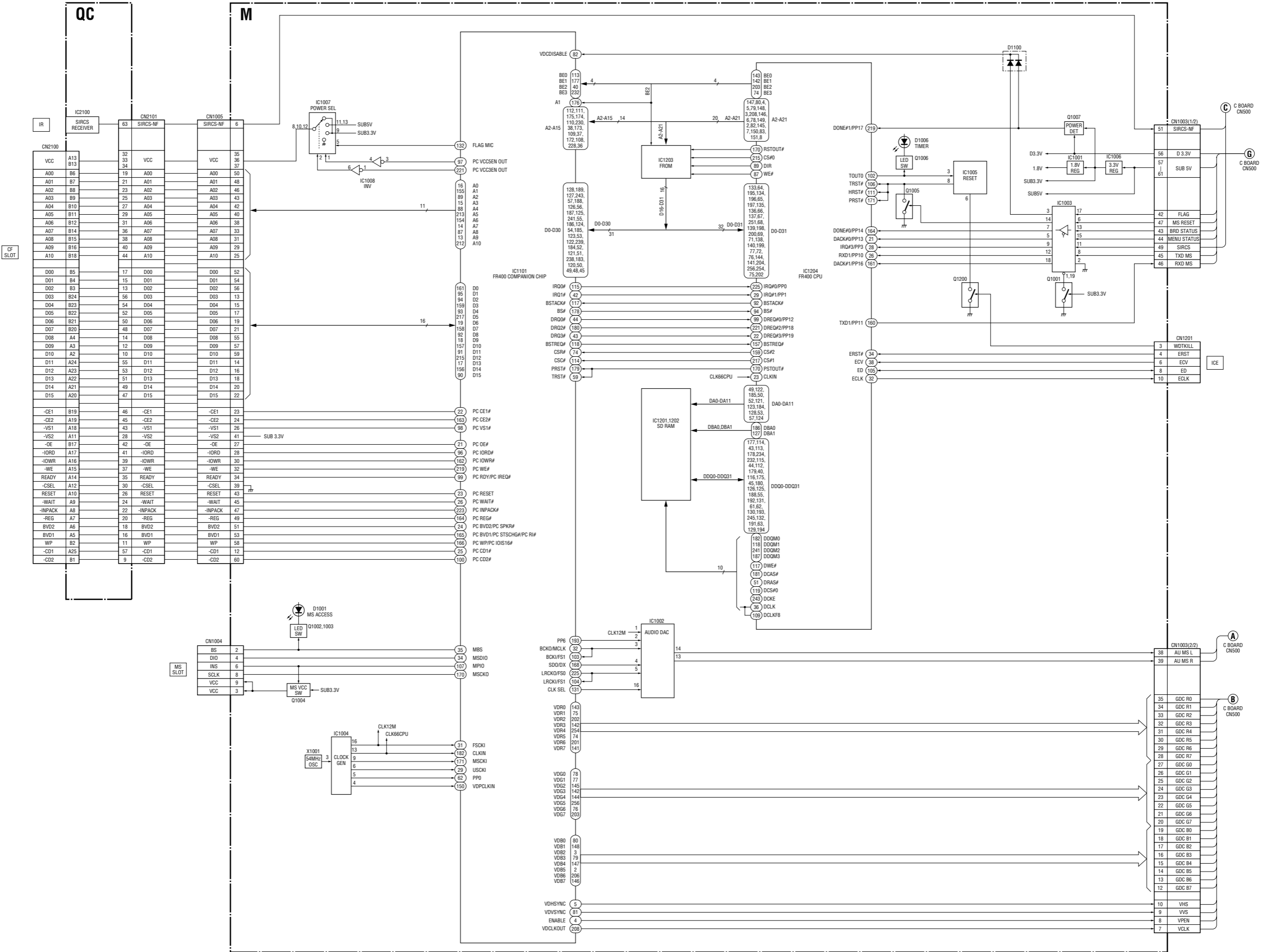


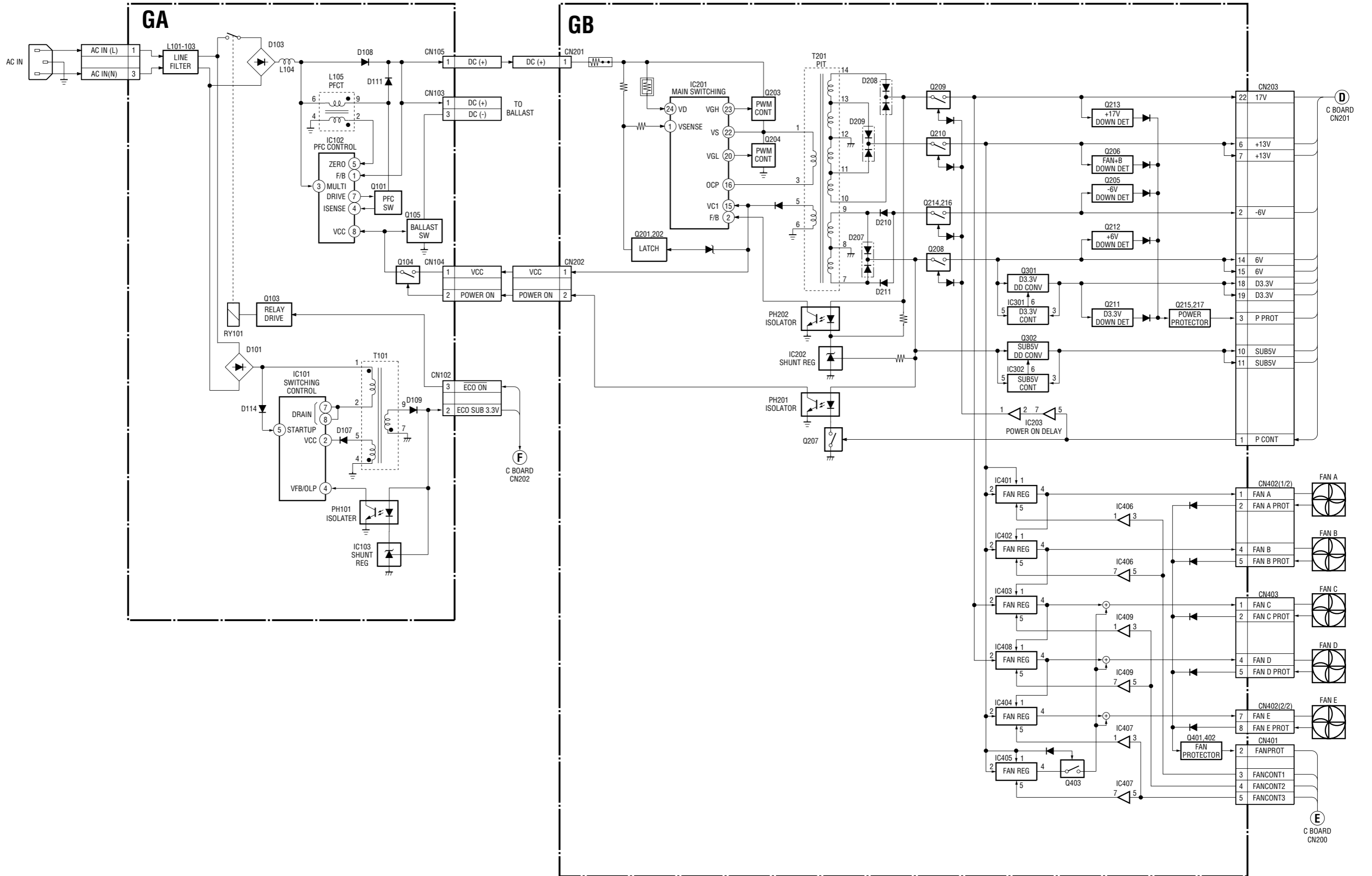



















## Section 6 Diagrams


### Note:

- Parts marked “ \* ” differ according to the model/destination. Refer to the mount table for each function.
- The parts marked “ # ” or XX on schematic diagrams are not mounted.
- All capacitors are in  $\mu\text{F}$  unless otherwise noted. pF:  $\mu\mu\text{F}$  50WV or less are not indicated except for electrolytics.
- All electrolytics are in 50 V unless otherwise specified.
-  : fusible resistor
-  : nonflammable resistor
- $\Delta$  : internal component
-  : panel designation and adjustment for repair
- Caution when replacing chip parts  
New parts must be attached after removal of the chip.  
Be careful not to heat the minus side of a tantalum capacitor, because it is easily damaged by the heat.

### Reference information

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

### [Measuring conditions, voltage and waveform]

-  : Signal path.

The components identified marked  $\Delta$  are critical for safety.  
Replace only with the part number specified.

Les composants identifiés par la marque  $\Delta$  sont critiques pour la sécurité.  
Ne les remplacer que par une pièce portant le numéro spécifié.

# Frame Wiring Frame Wiring

## 6-1. Frame Schematic Diagrams

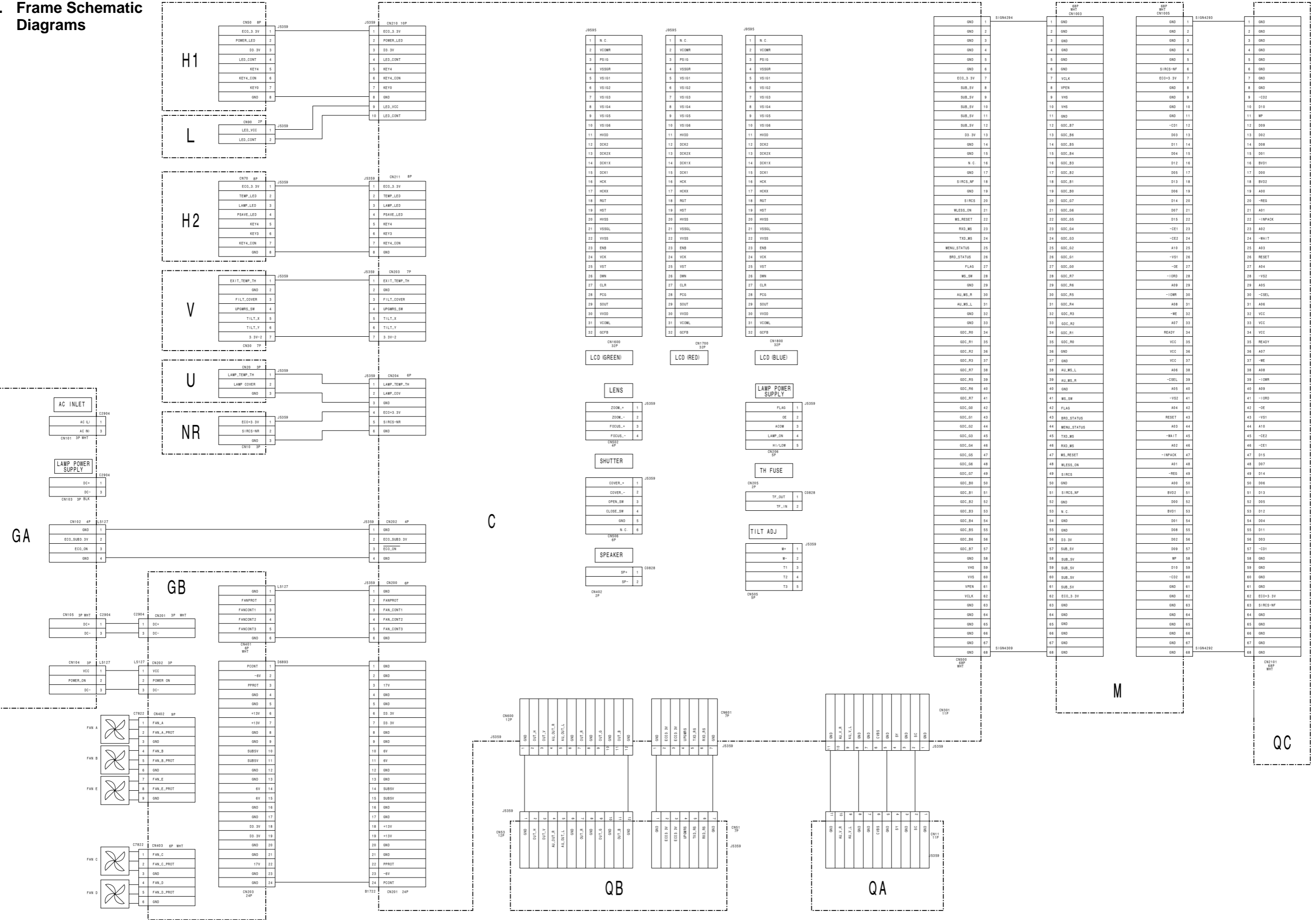
1

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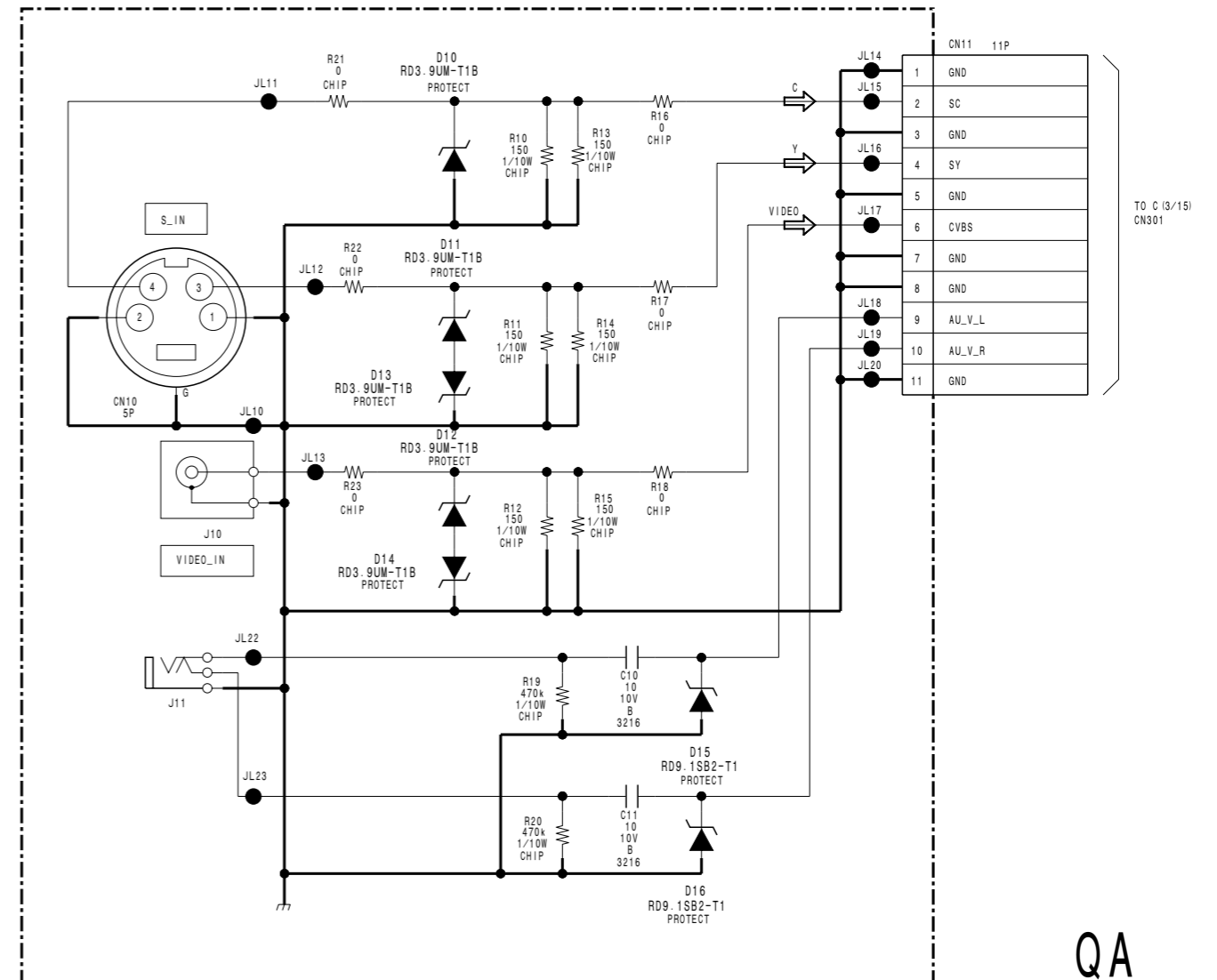
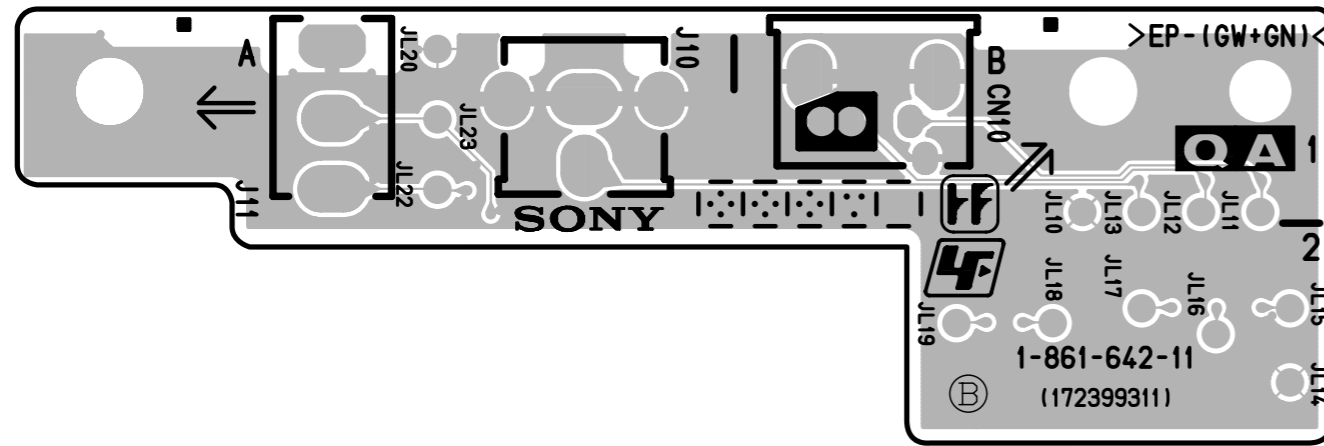
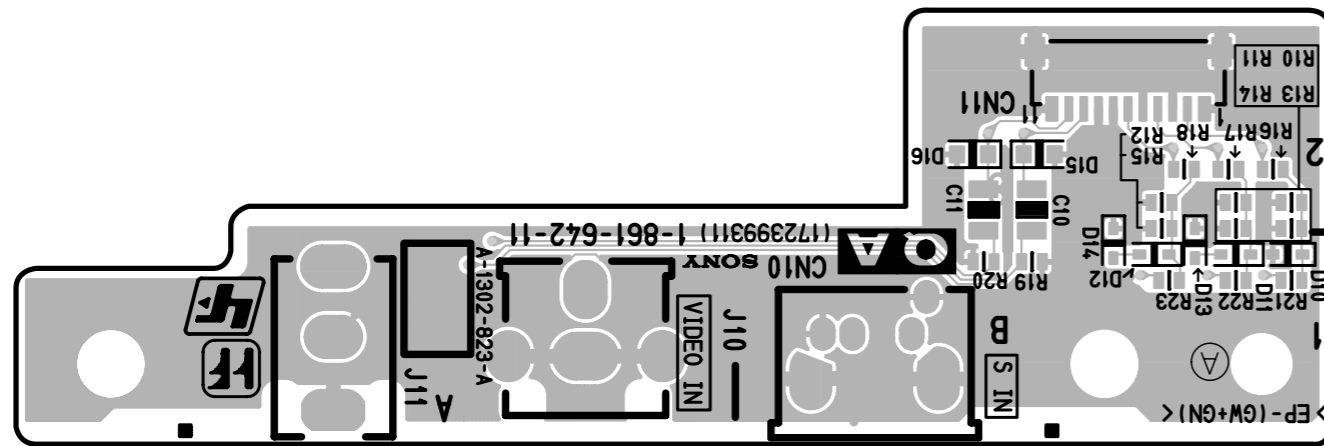


6-2

6-2

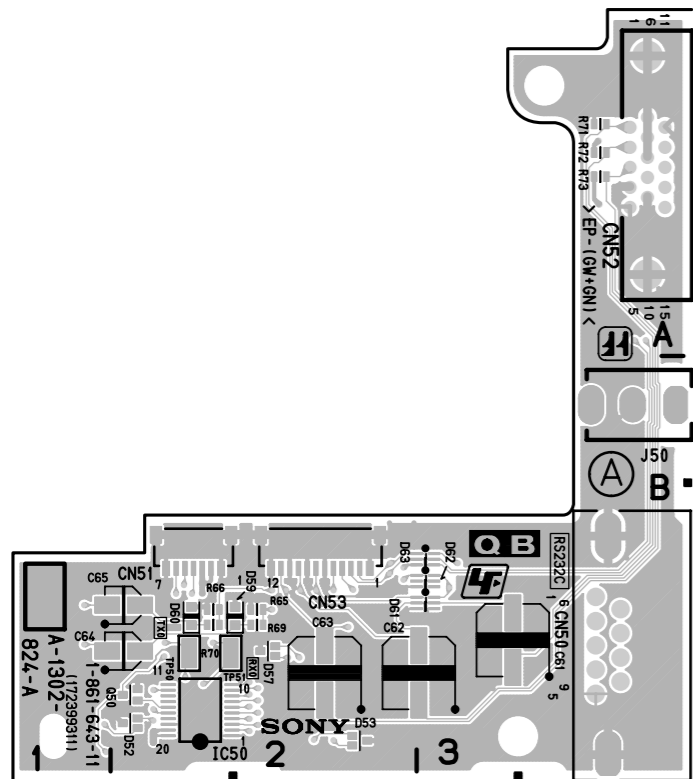
A B C D E F G H

6-2. Schematic Diagrams and Board Layouts



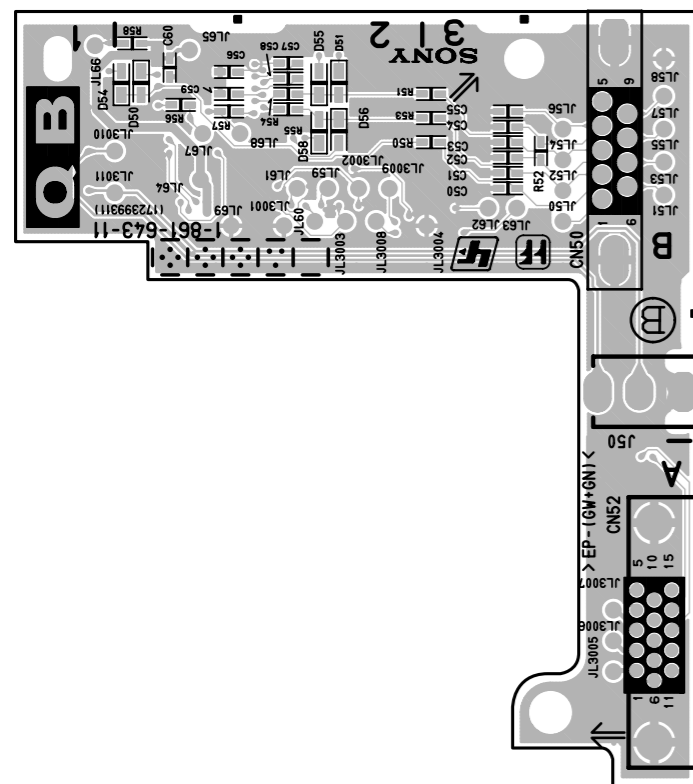
QA  
(S-VIDEO IN)

1

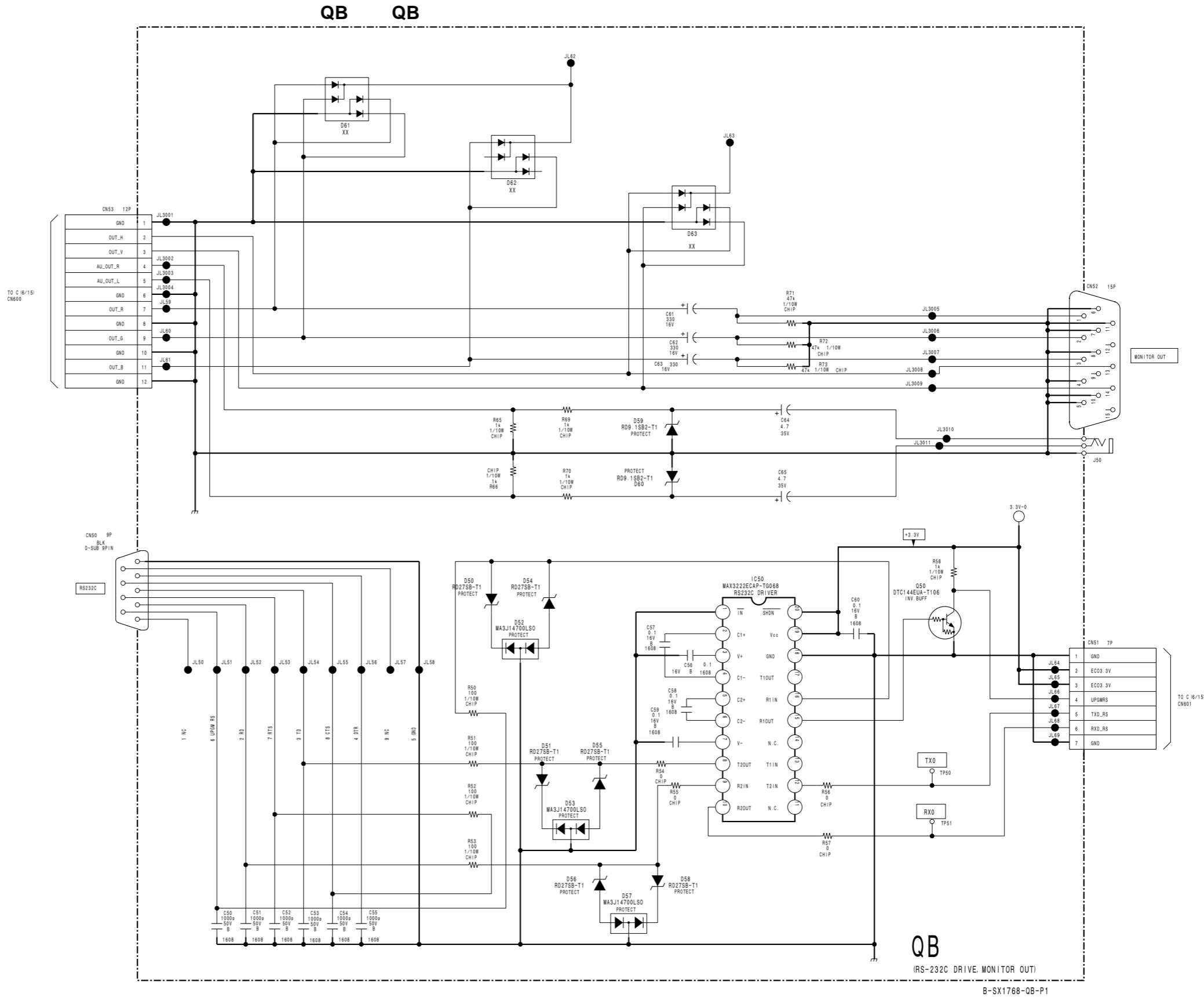


QB - A SIDE-  
SUFFIX: -11

3

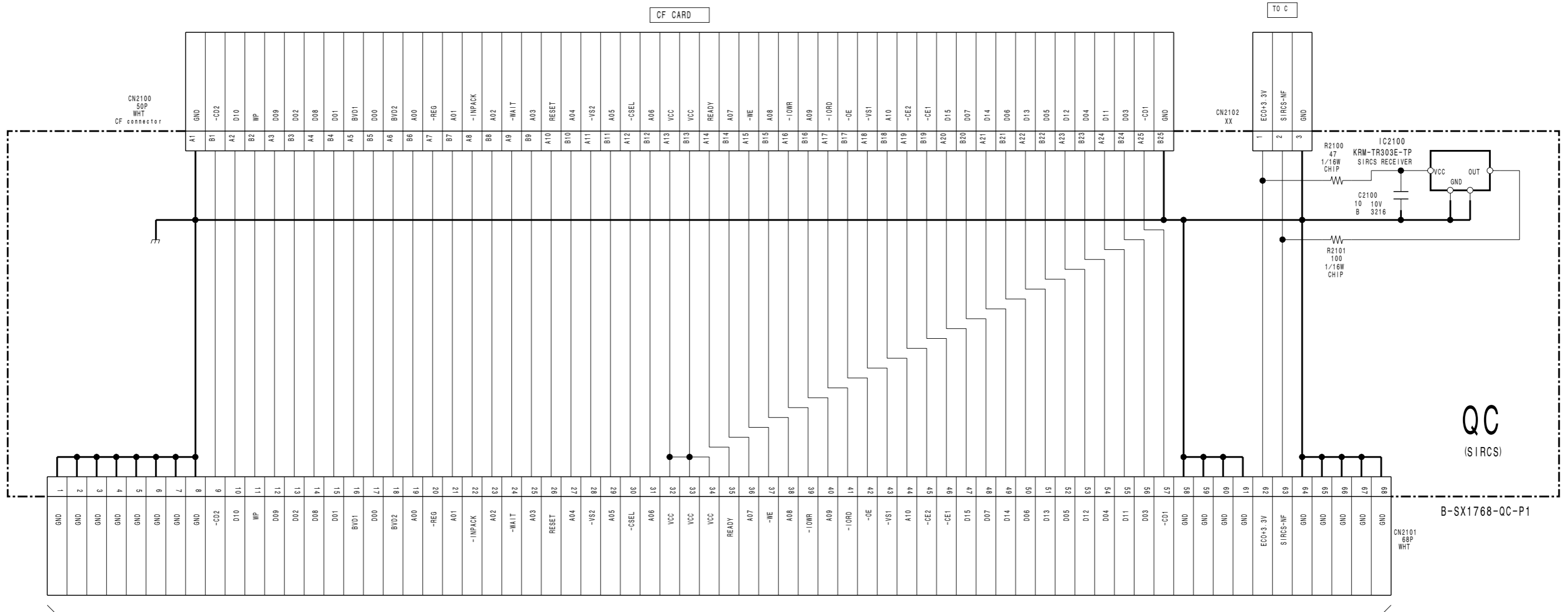


QB - B SIDE-  
SUFFIX: -11

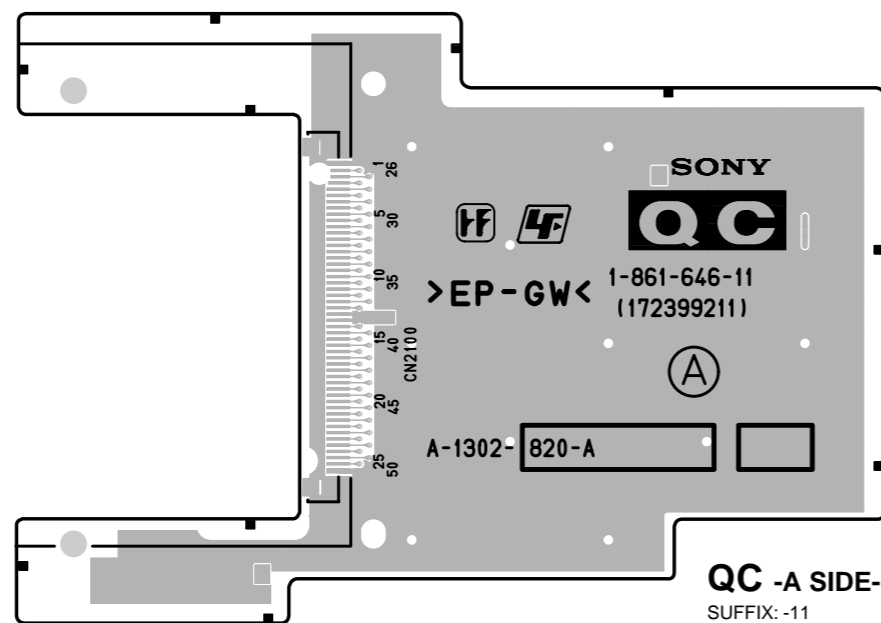


QB  
IRS-232C DRIVE, MONITOR OUT  
B-SX1768-QB-P1

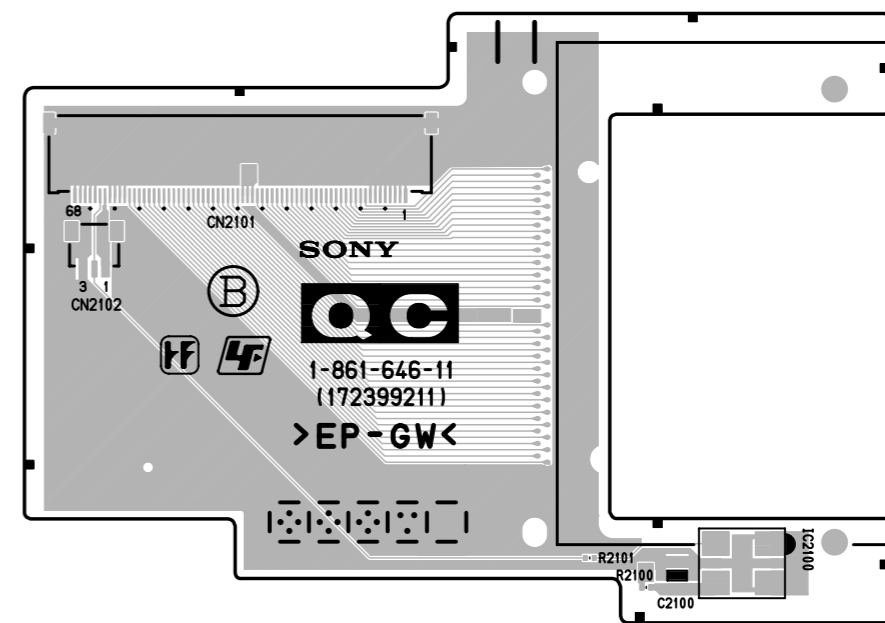
5



B-SX1768-QC-P1



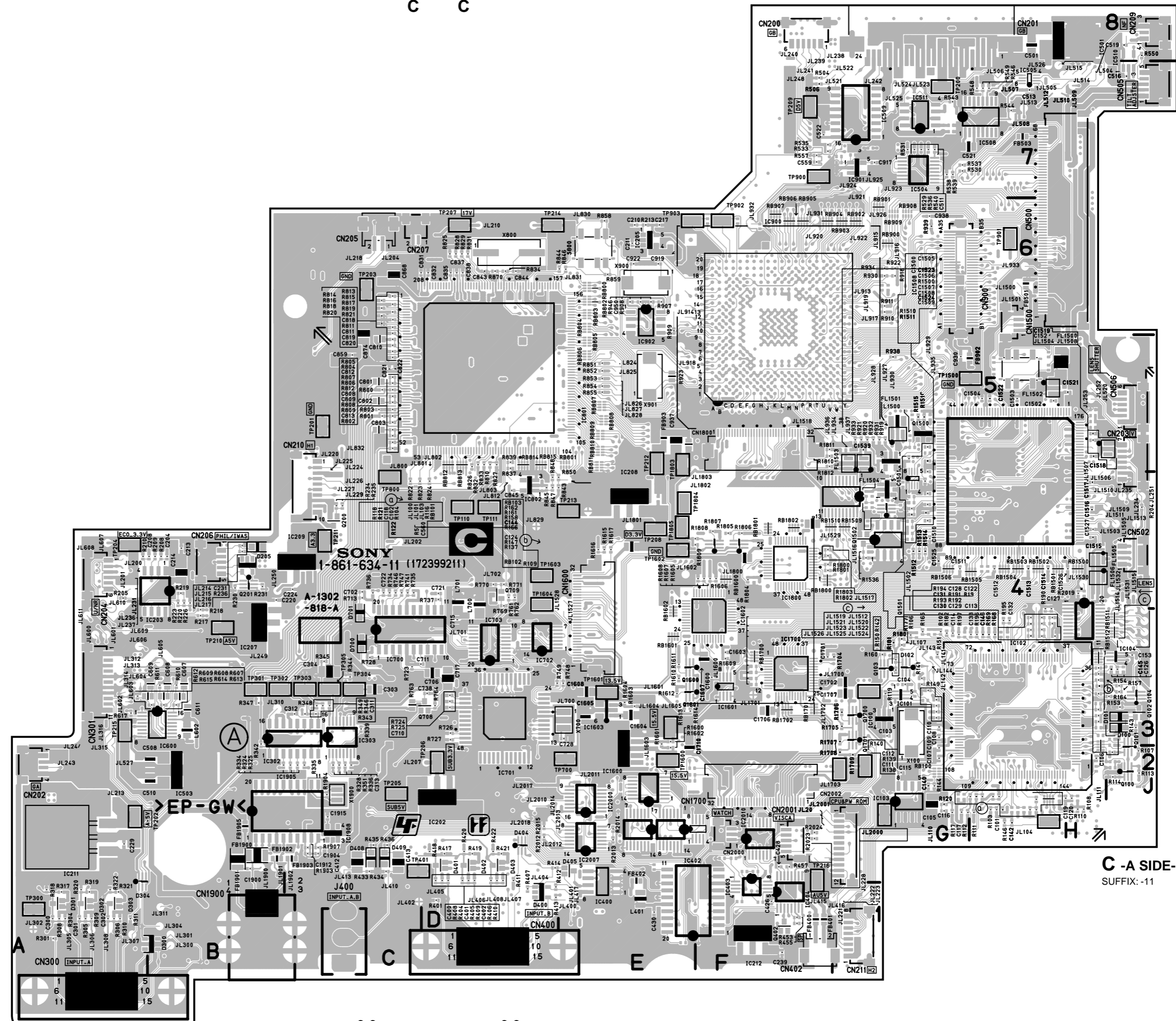
QC -A SIDE-  
SUFFIX: -11



QC -B SIDE-  
SUFFIX: -11

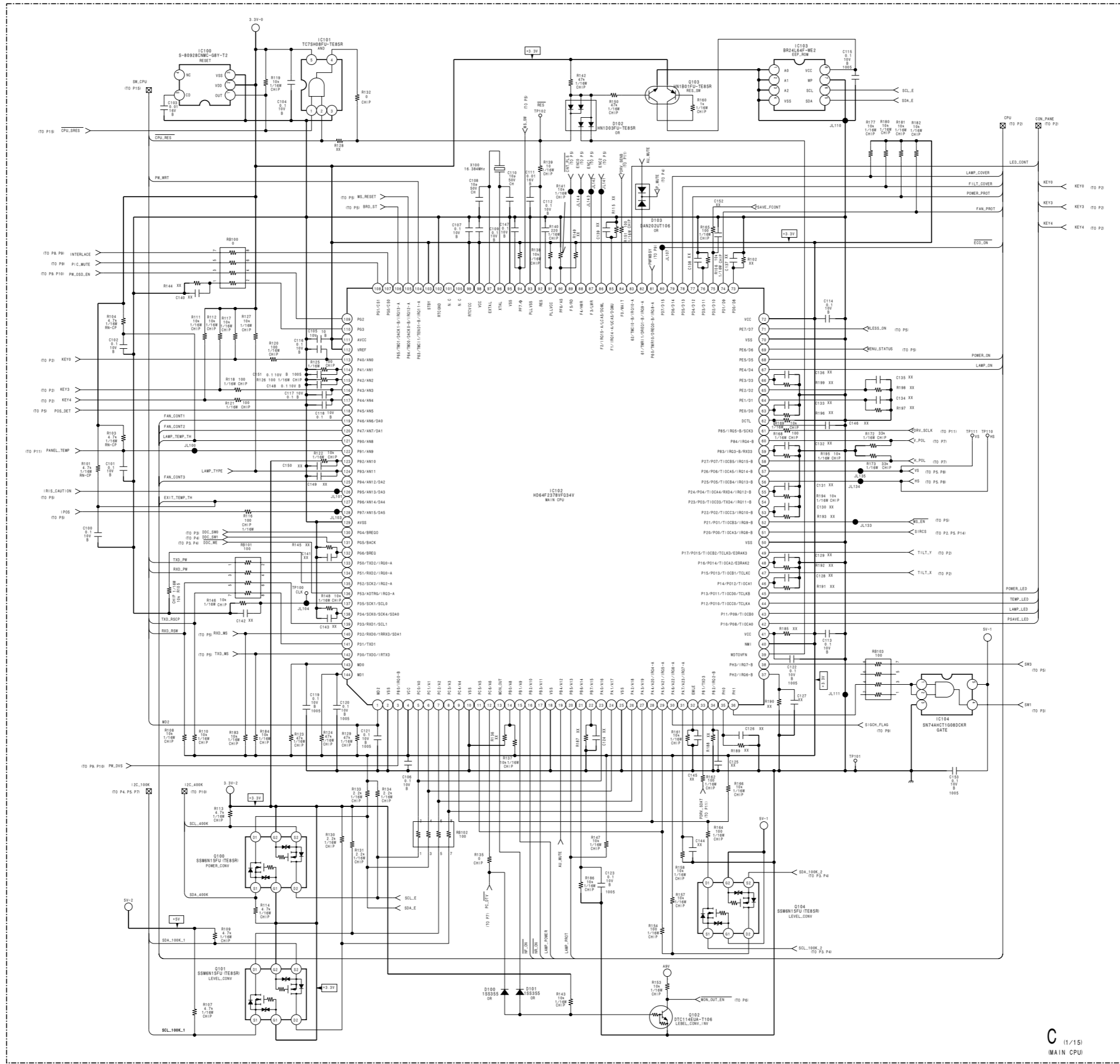
**C BOARD**

* : B SIDE		
D100	J-3	IC1700 F-3
D101	J-3	IC1800 F-4
D102	G-3	IC1905 B-2
D205	B-4	IC1906 *C-2
D206	*C-5	IC1907 *B-2
D207	*C-4	IC1908 C-2
D208	*C-4	IC2000 E-2
D209	*C-4	IC2001 *D-2
D210	*C-4	IC2004 *D-2
D211	*C-4	IC2005 *E-2
D300	B-1	IC2007 E-2
D301	A-1	IC2009 *D-2
D302	A-1	IC2010 F-2
D303	A-1	Q100 J-2
D304	A-1	Q101 J-3
D305	*A-1	Q102 J-3
D400	D-1	Q103 G-3
D401	D-2	Q104 J-3
D402	D-2	Q200 C-4
D403	D-2	Q201 B-4
D404	D-2	Q202 *B-4
D405	E-2	Q300 *A-1
D408	C-2	Q301 *B-1
D409	C-2	Q400 *E-1
D600	*A-3	Q401 *E-1
D601	*A-3	Q402 F-1
D602	*A-3	Q700 *C-3
D603	*A-4	Q701 *D-3
D604	*A-4	Q702 *D-3
D700	C-3	Q703 *C-3
D701	C-3	Q704 *C-3
D702	*E-4	Q705 *D-3
D703	*D-4	Q706 *D-3
D1900	*B-2	Q707 *D-3
D1901	*C-2	Q708 D-3
D1903	*B-2	Q709 D-4
D1905	*C-2	Q900 *F-6
D1906	*B-2	Q901 *F-6
D1907	*B-2	Q1500 G-5
D2000	*E-2	Q1501 G-4
D2001	*F-2	Q1502 G-4
IC100	G-3	Q1600 E-3
IC101	G-3	Q1601 E-3
IC102	H-3	Q1700 G-3
IC103	G-2	Q1701 G-3
IC104	J-3	Q1903 *B-2
IC202	D-2	TP110 D-4
IC203	B-4	TP111 D-4
IC205	E-6	TP200 G-7
IC206	*F-7	TP201 C-5
IC207	B-3	TP202 A-2
IC208	E-4	TP203 C-6
IC209	C-4	TP204 A-4
IC210	*D-6	TP205 C-2
IC211	A-2	TP206 D-2
IC212	F-1	TP207 D-6
IC300	*B-1	TP208 E-4
IC301	*B-1	TP209 F-7
IC302	C-3	TP210 B-3
IC303	C-3	TP211 C-4
IC400	E-1	TP212 E-5
IC401	*D-1	TP213 E-4
IC402	E-1	TP214 D-6
IC403	F-1	TP215 A-3
IC404	F-1	TP216 F-2
IC501	H-1	TP300 A-1
IC502	*J-8	TP301 B-3
IC503	B-2	TP302 B-3
IC504	G-7	TP303 C-3
IC505	H-7	TP304 C-3
IC506	*H-7	TP305 C-3
IC507	*H-7	TP401 C-2
IC508	H-7	TP700 E-2
IC509	G-7	TP800 C-4
IC510	J-8	TP803 E-5
IC511	G-7	TP900 F-7
IC513	*G-7	TP901 H-6
IC600	B-3	TP902 F-6
IC603	*B-4	TP903 E-6
IC700	C-3	TP1500 G-5
IC701	D-2	TP1600 E-2
IC702	D-3	TP1601 E-3
IC703	D-3	TP1602 E-4
IC704	*D-4	TP1603 D-4
IC800	*C-4	TP1604 D-4
IC801	E-5	TP1803 E-5
IC802	D-4	TP1804 E-4
IC900	F-6	TP1805 E-4
IC901	G-7	
IC902	E-6	
IC903	*G-6	
IC904	*G-7	
IC1505	*H-4	
IC1506	*G-4	
IC1508	G-4	
IC1600	E-2	
IC1601	F-3	
IC1602	F-3	
IC1603	E-3	





C - B SIDE-  
SUFFIX: -11



C (1/15)  
MAIN CPU

B-SX1768-C-P1

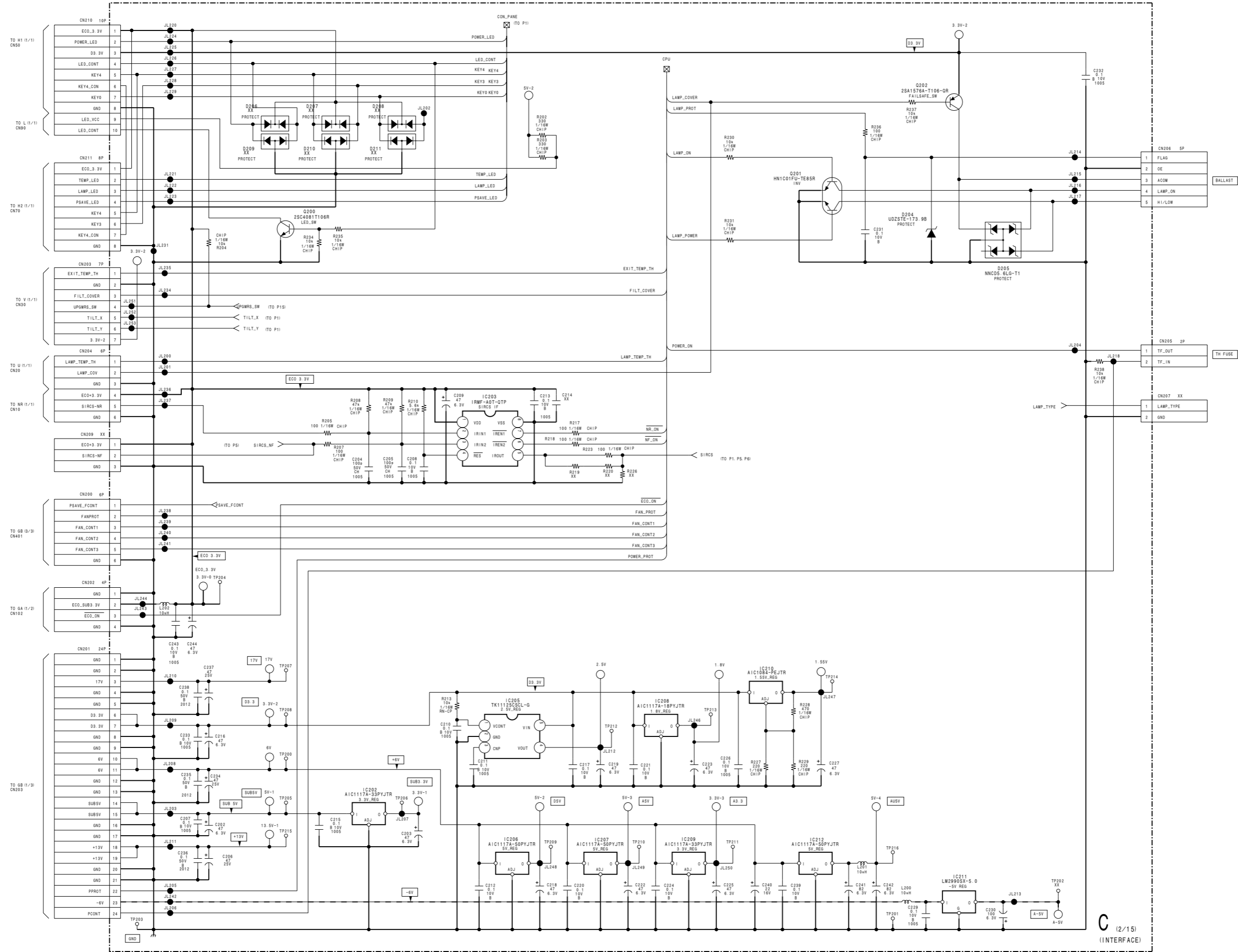
6-8

6-8

VPL-CX85

A B C D E F G H





C (2/15)  
(INTERFACE)

B-SX1768-C-P2

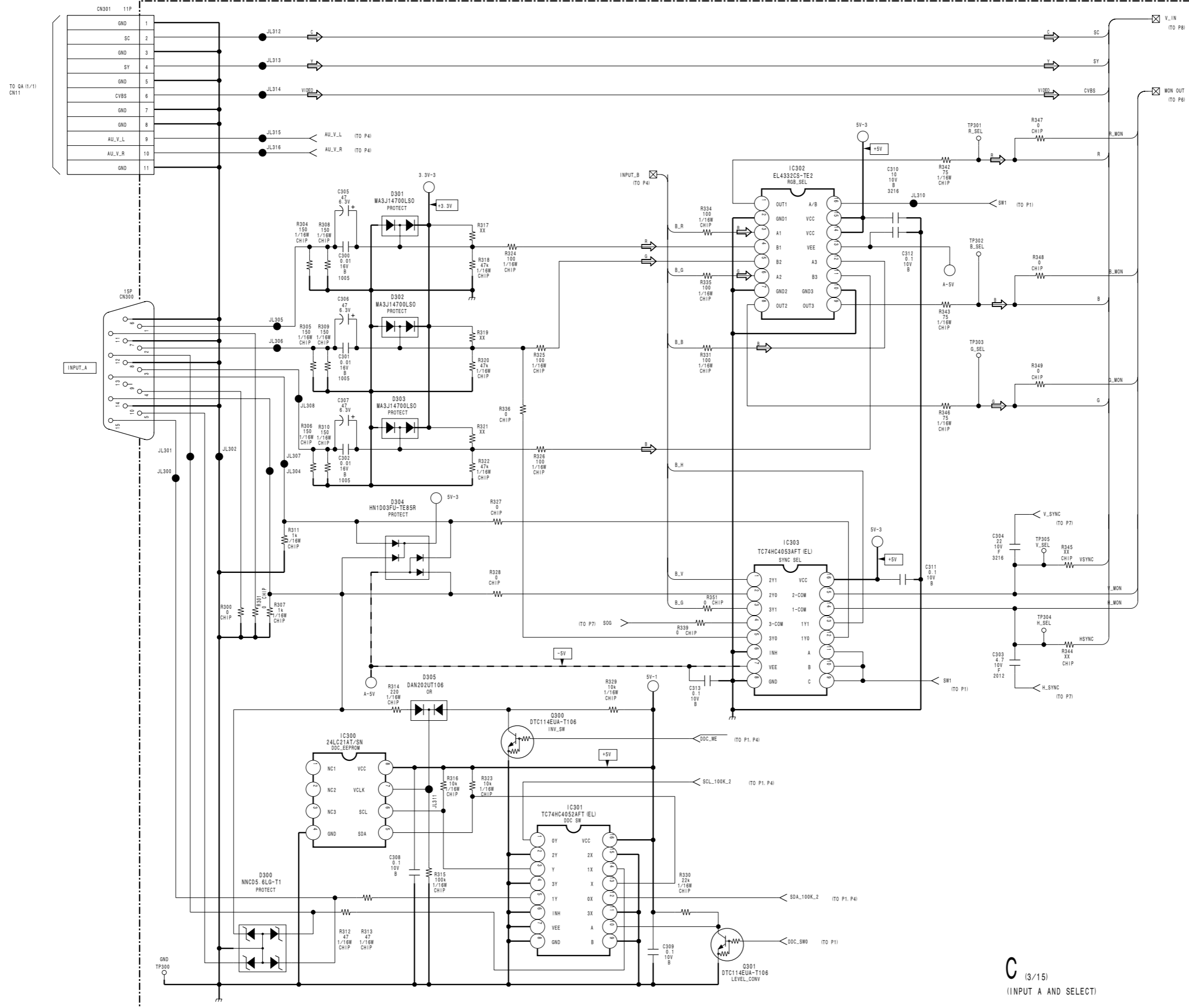
1

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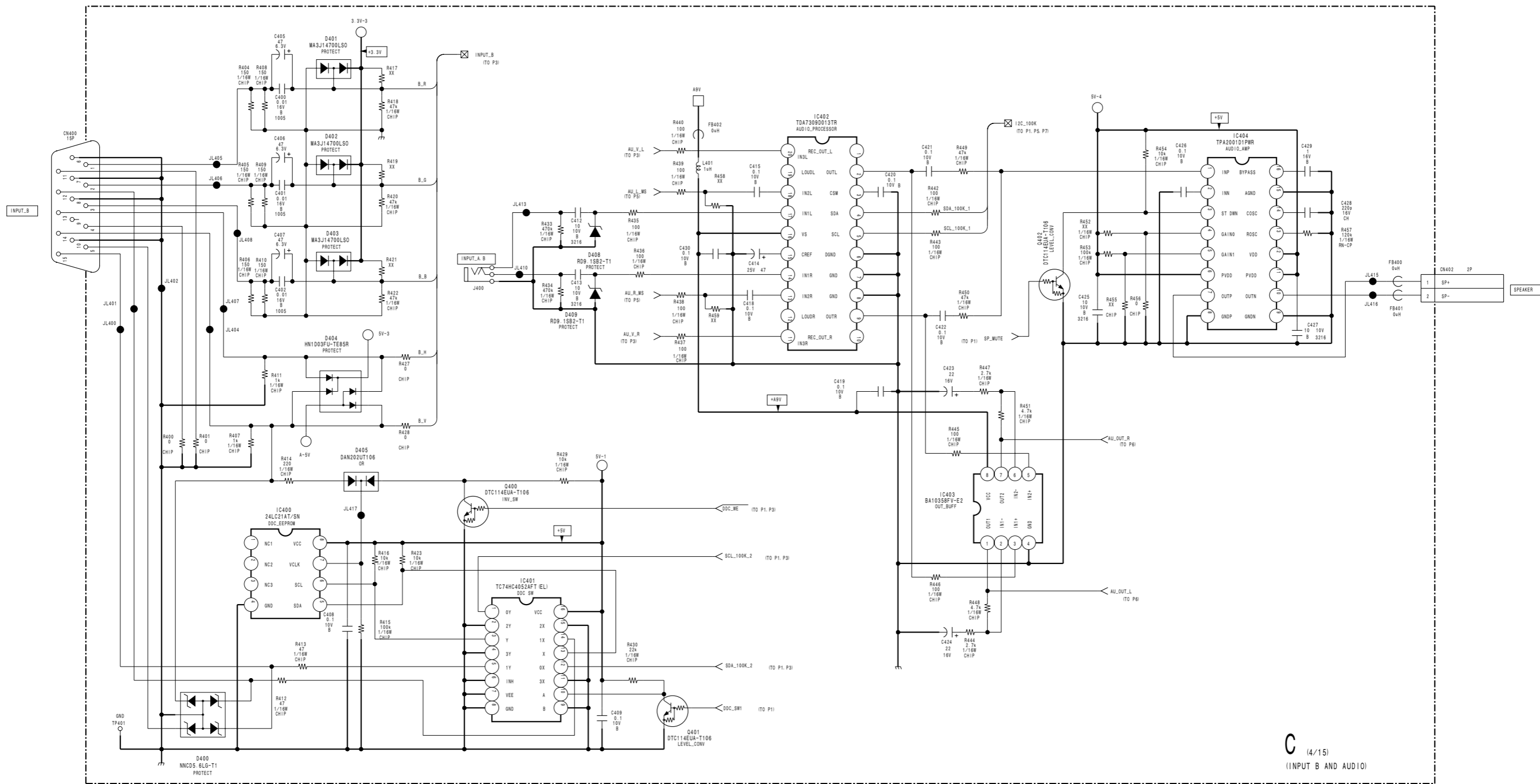


C (3/15)  
(INPUT A AND SELECT)

B-SX1768-C-P3

6-10

6-10



C (4/15)  
(INPUT B AND AUDIO)

B-SX1768-C-P4

1

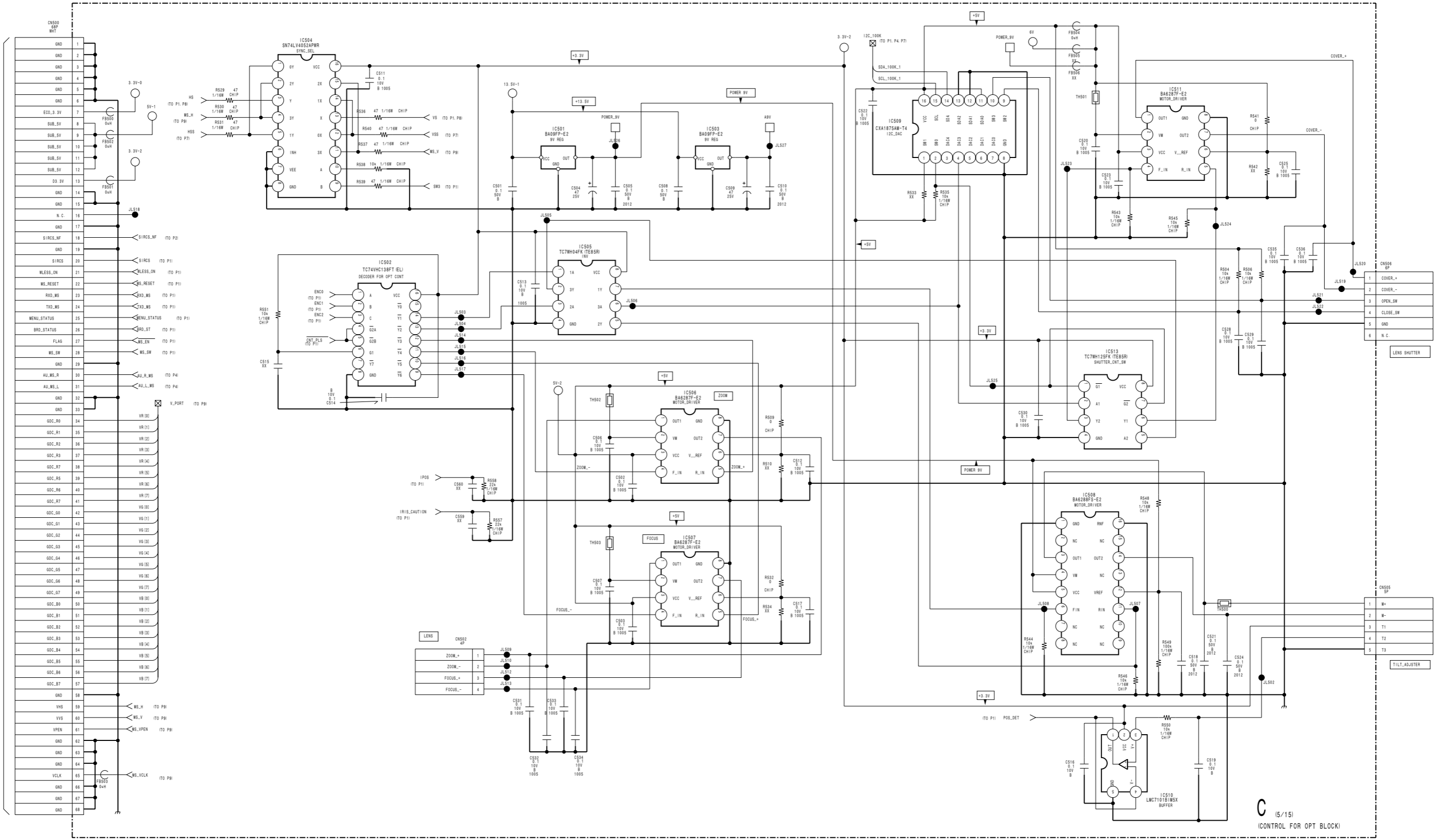
2

3

4

5

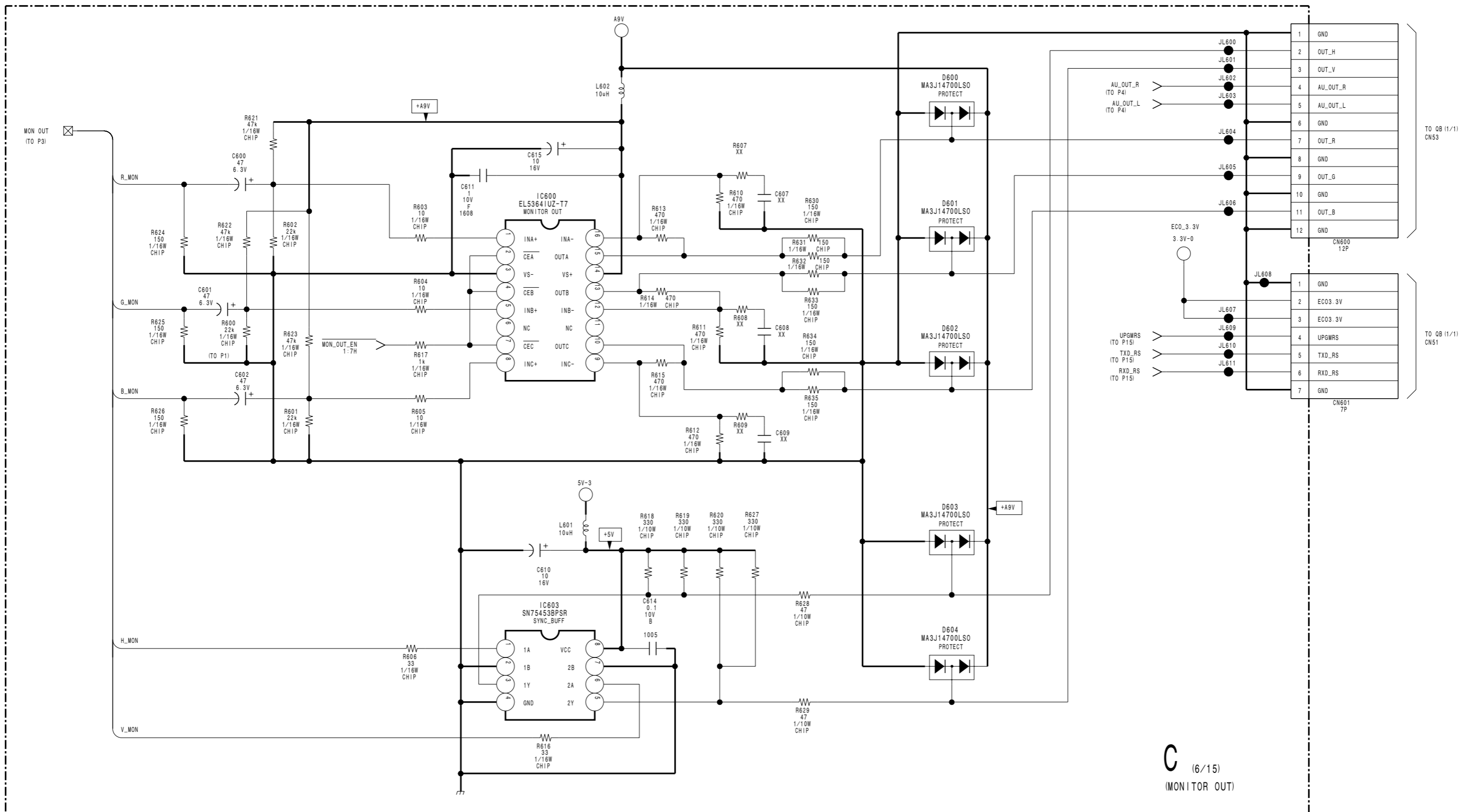
1  
2  
3  
4  
5



C (5/15)  
(CONTROL FOR OPT BLOCK)

B-SX1768-C-P5

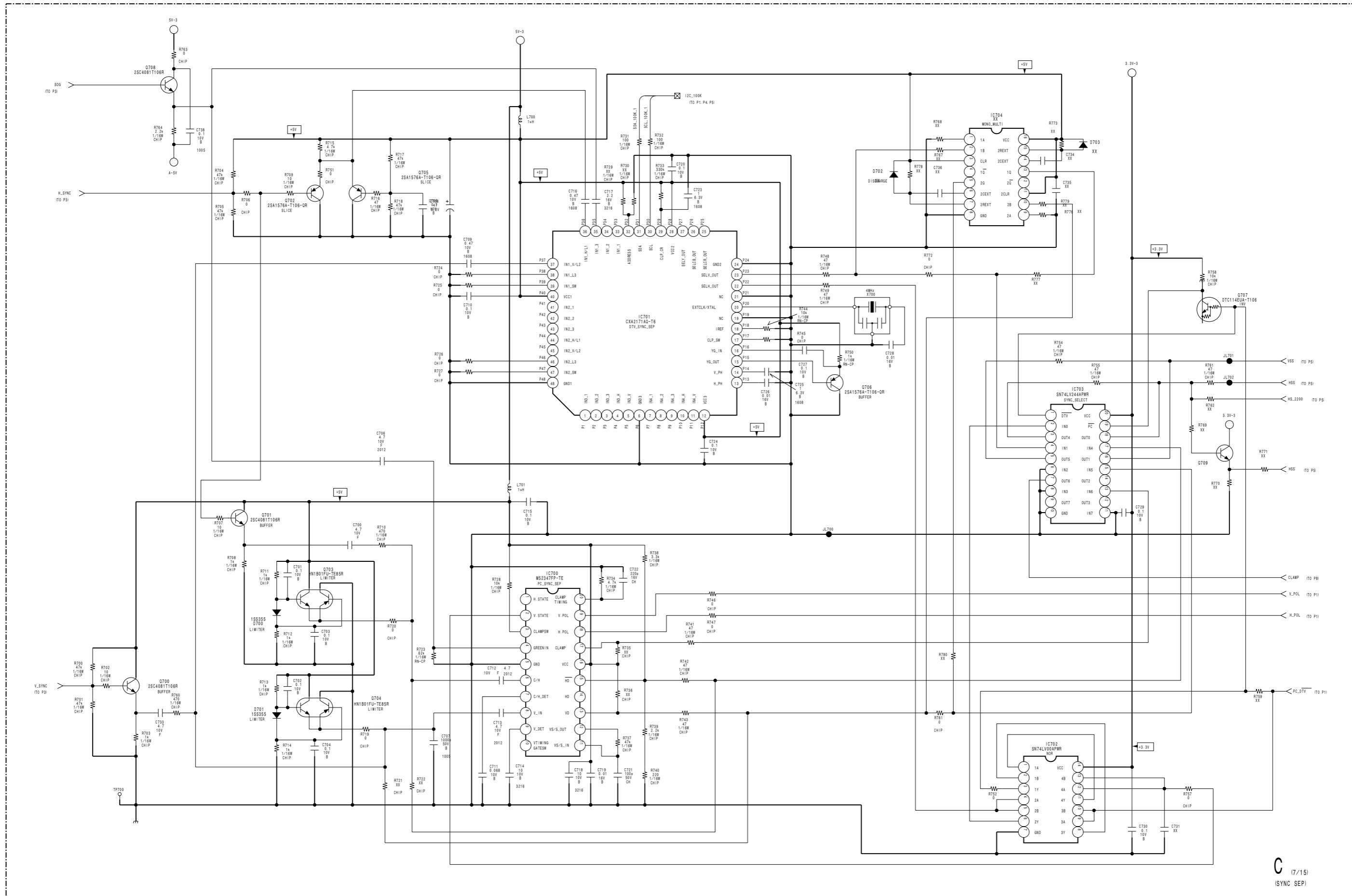
A B C D E F G H



C (6/15)  
(MONITOR OUT)

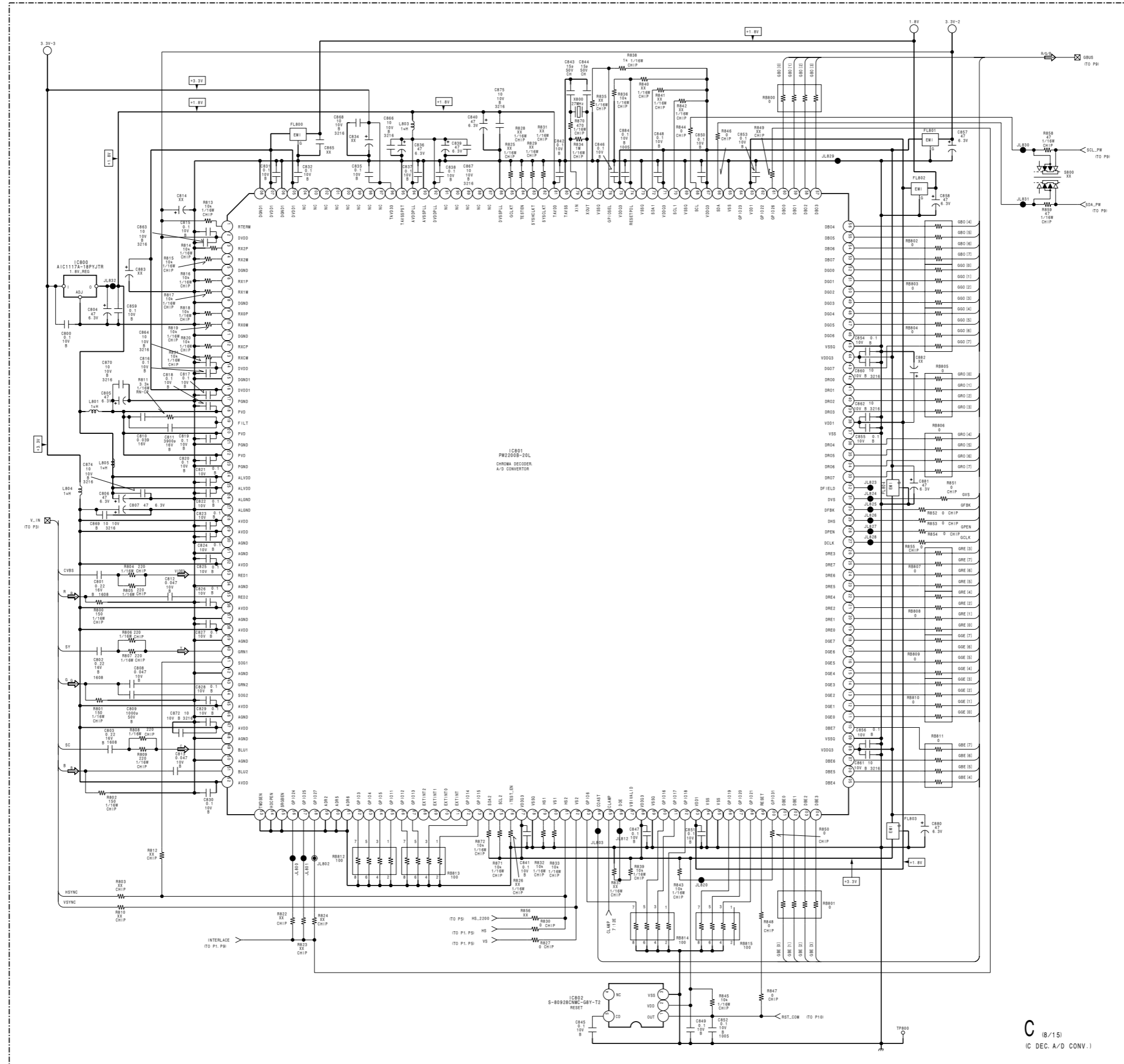
B-SX1768-C-P6

1  
2  
3  
4  
5



C (7/15)  
(SYNC SEP)

B-SX1768-C-P7



C (8/15)  
IC DEC. A/D CONV.

B-SX1768-C-P8

1

2

3

4

5

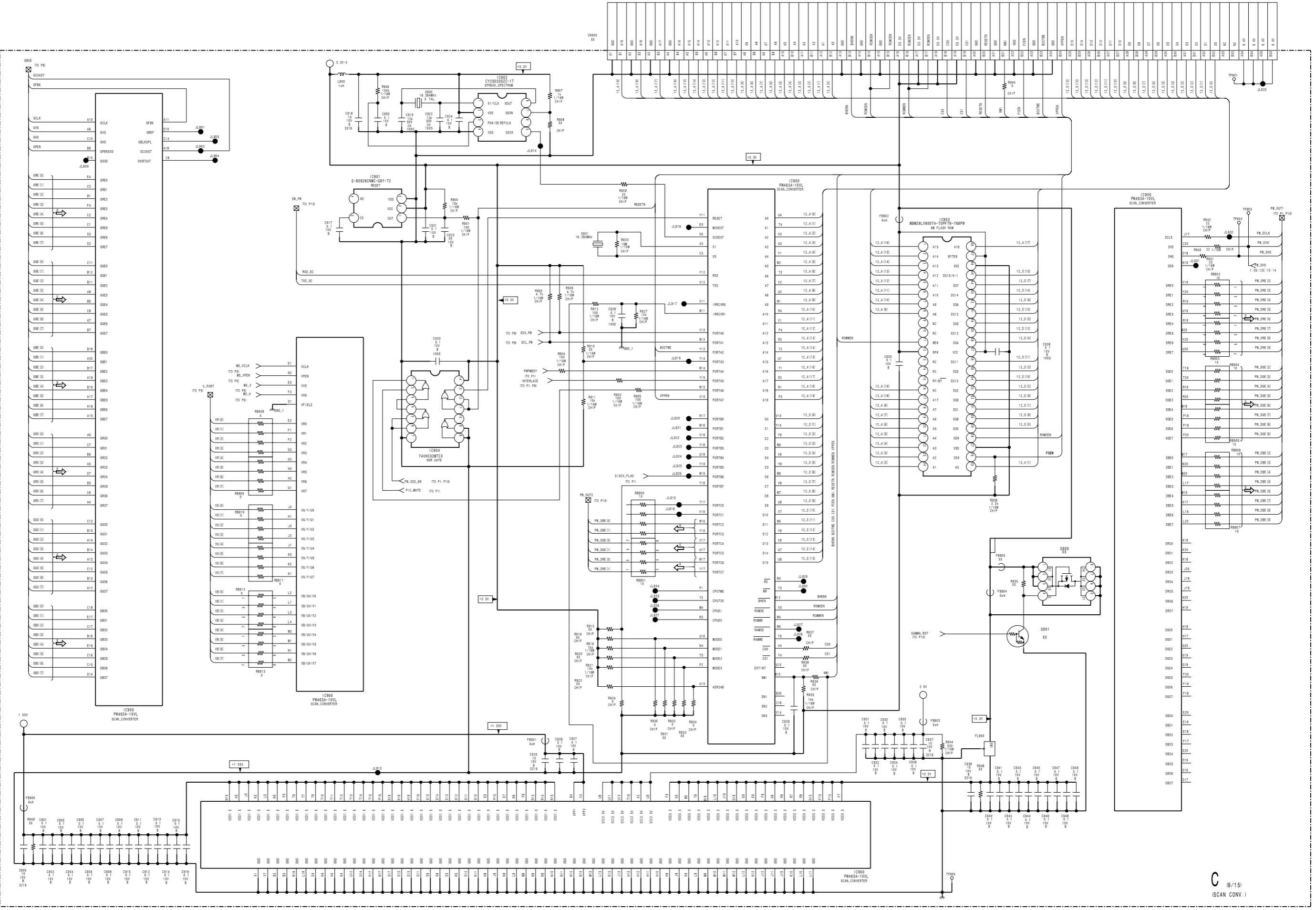
1

2

3

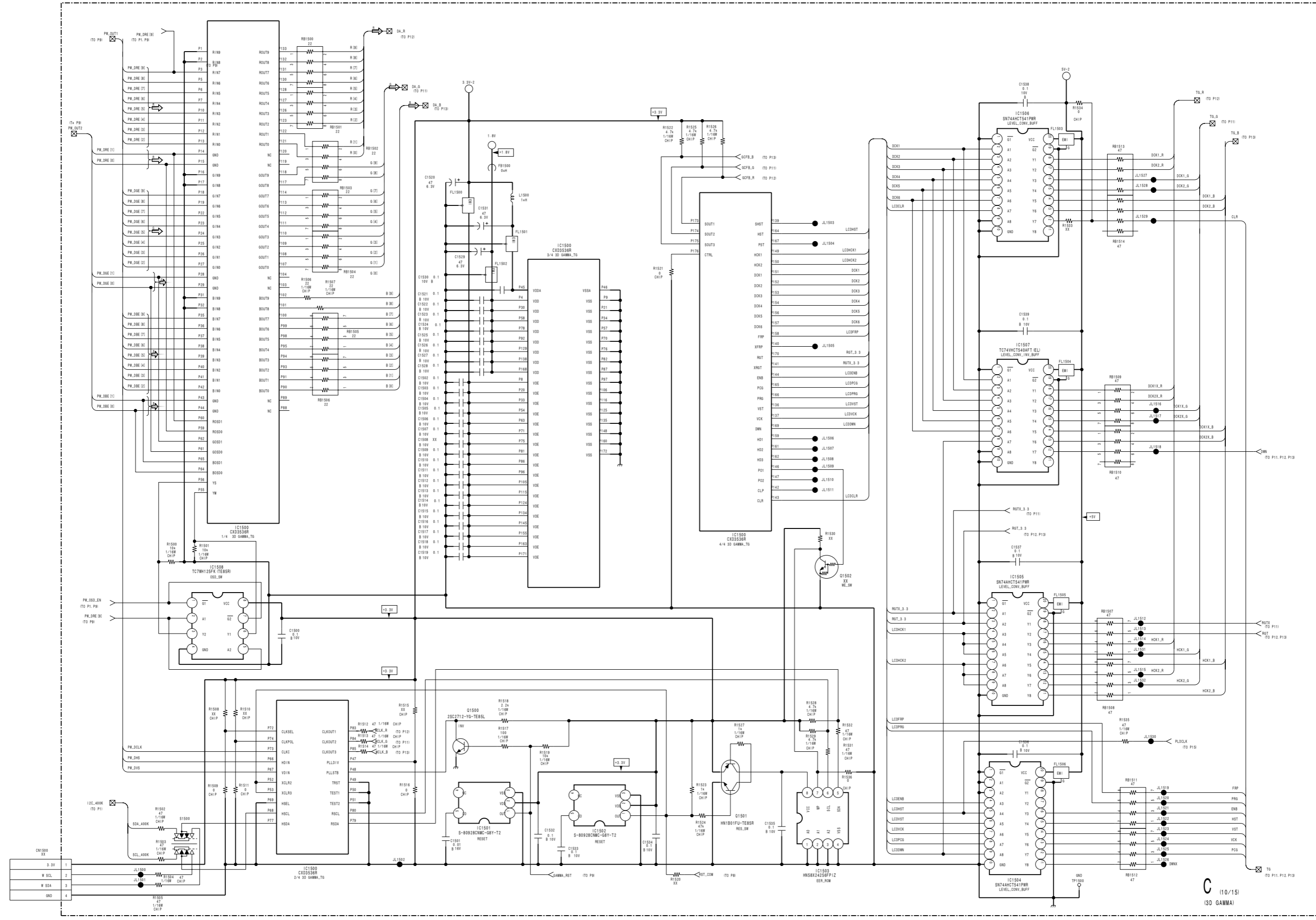
4

5



A B C D E F G H





1

2

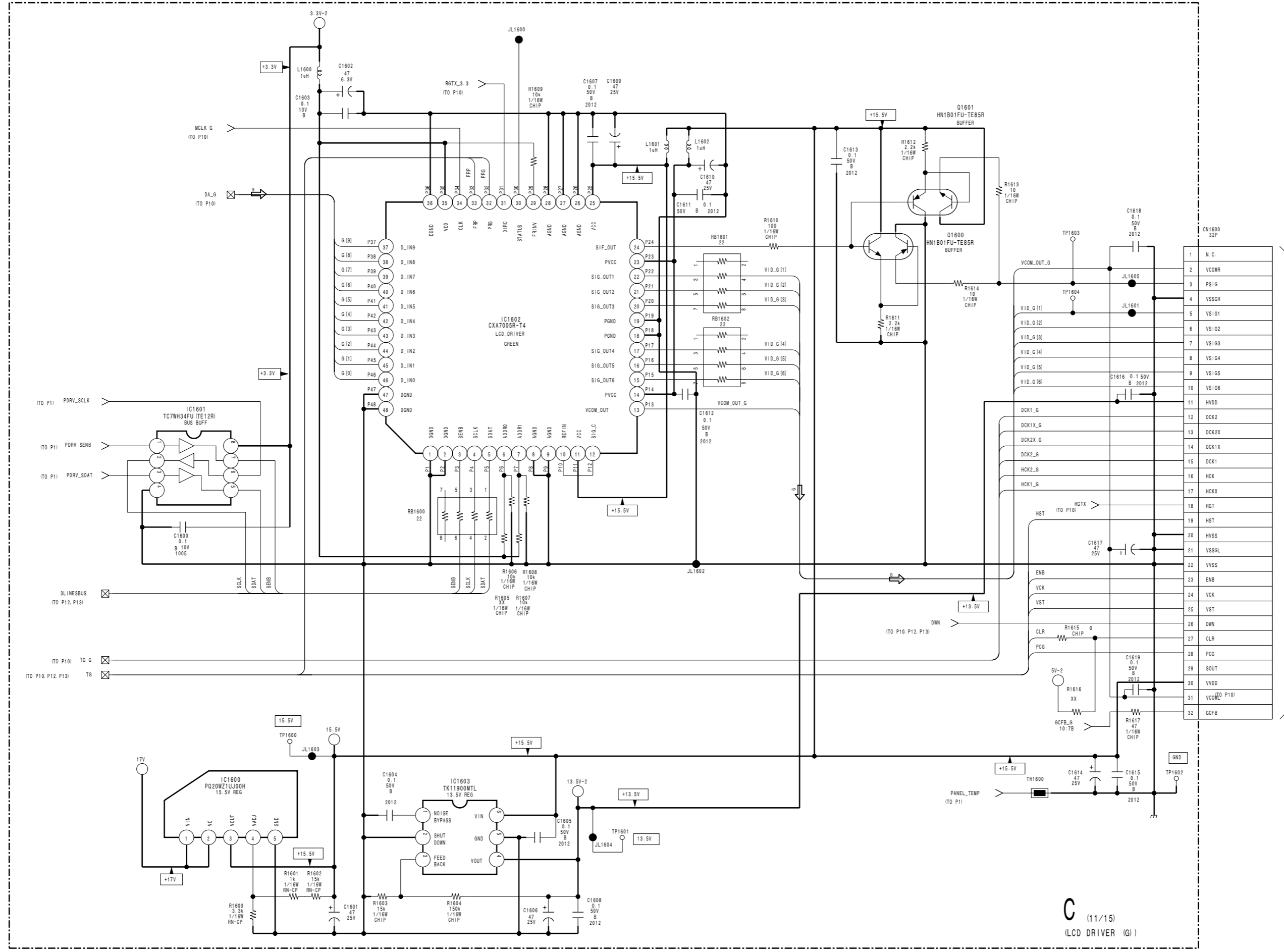
3

4

5

C (10/15)  
(3D GAMMA)

B-SX1768-C-10



C (11/15)  
(LCD DRIVER (G))

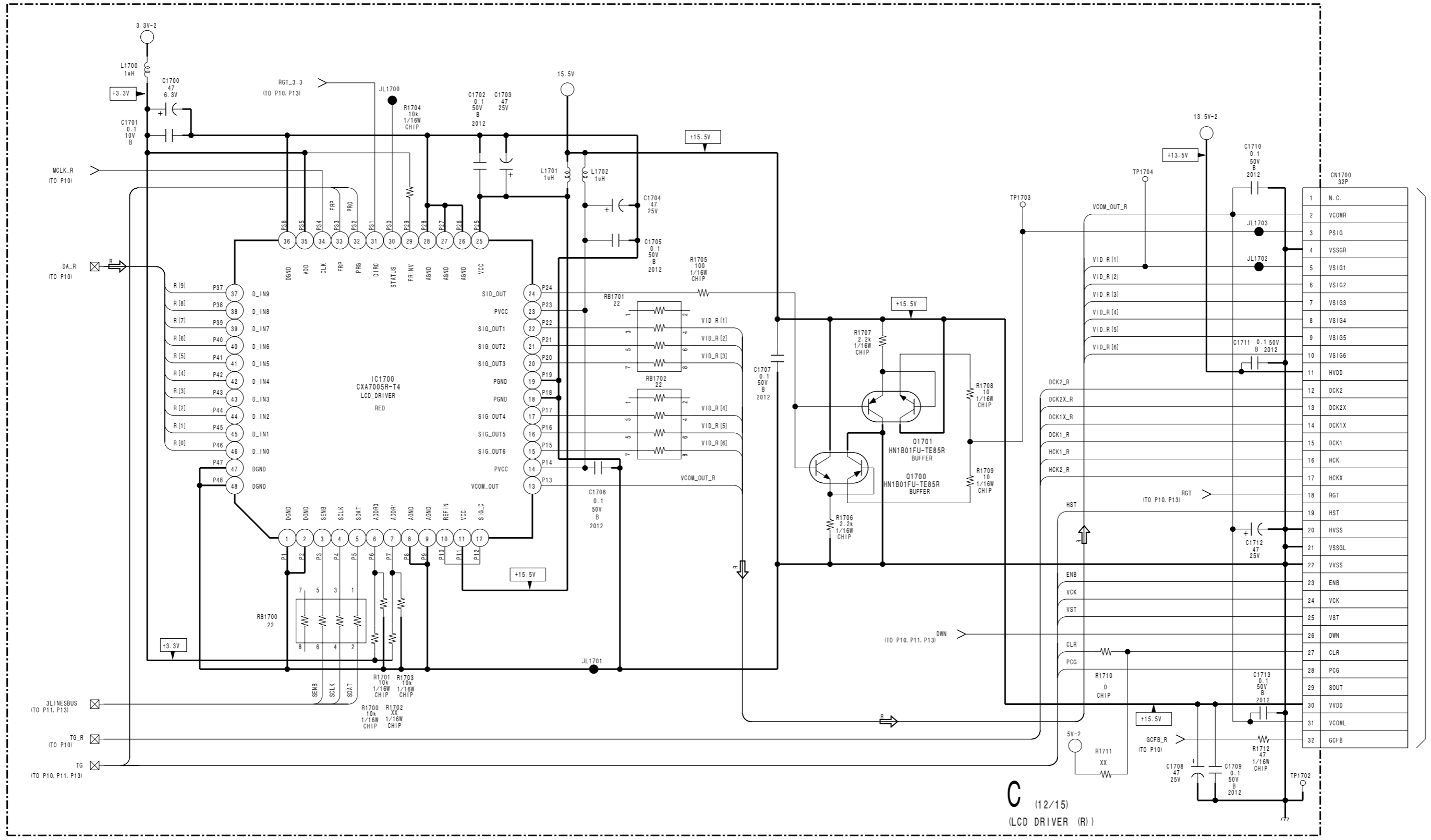
1

2

3

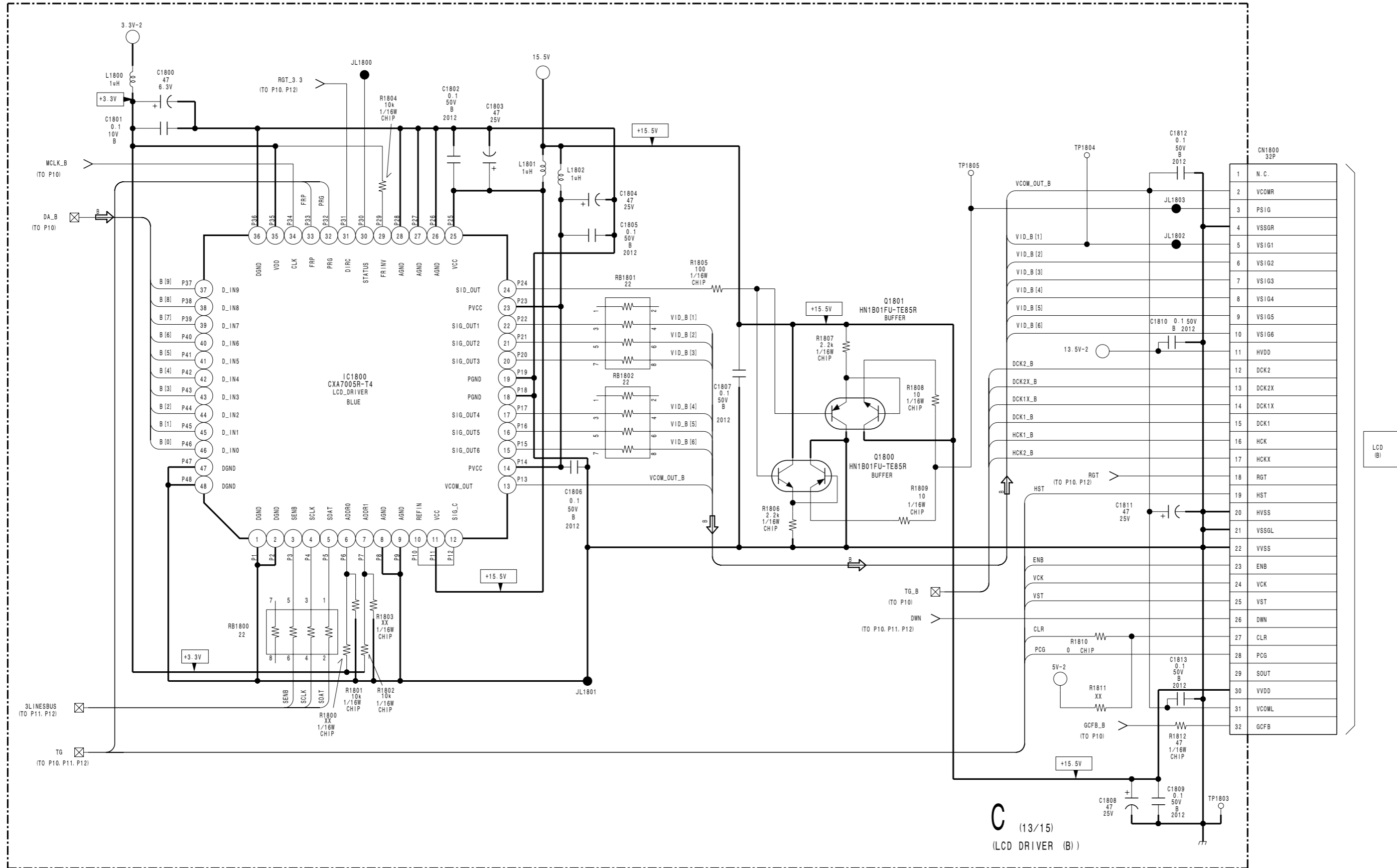
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5



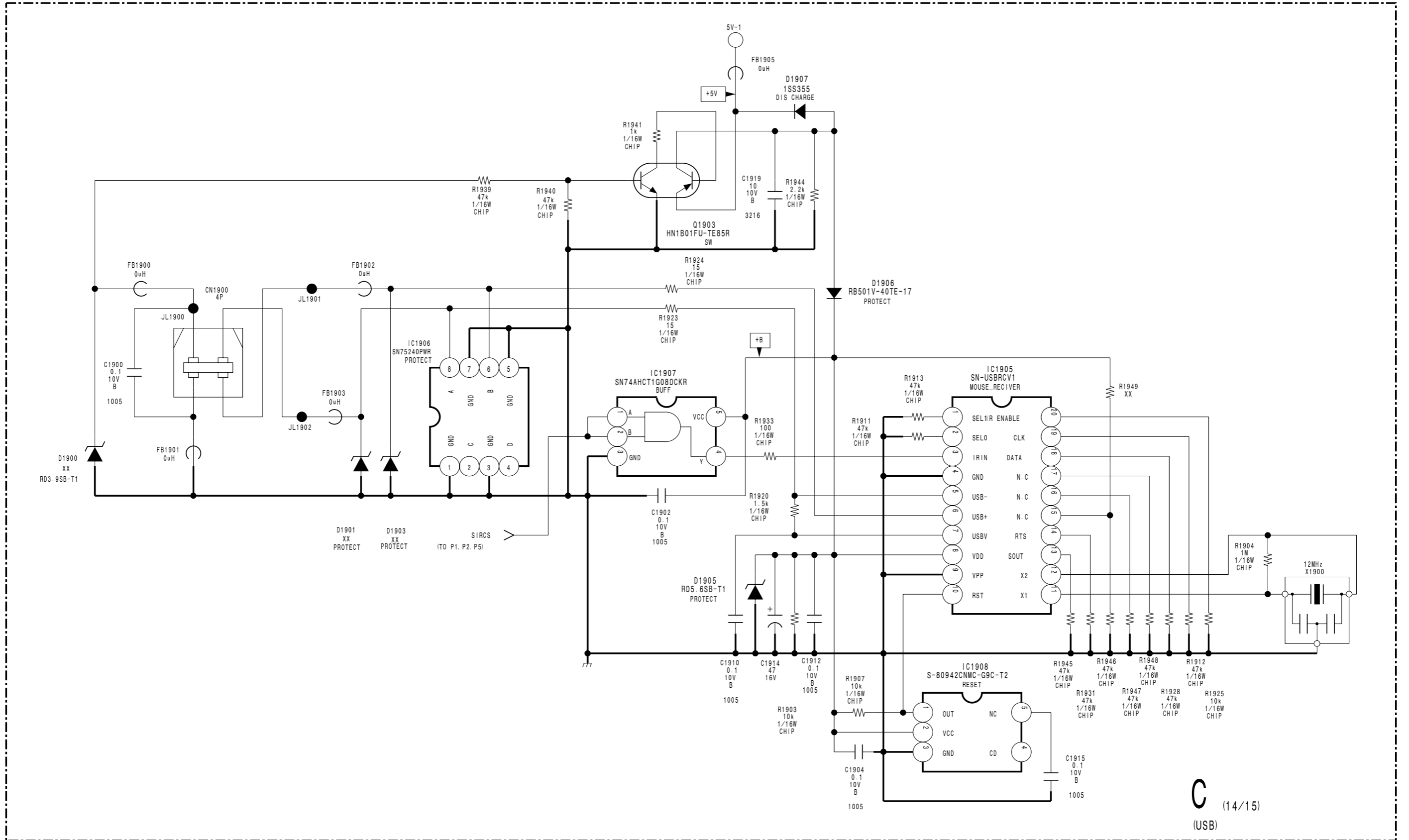
C (12/15)  
(LCD DRIVER (R))

B-SX1768-C-12



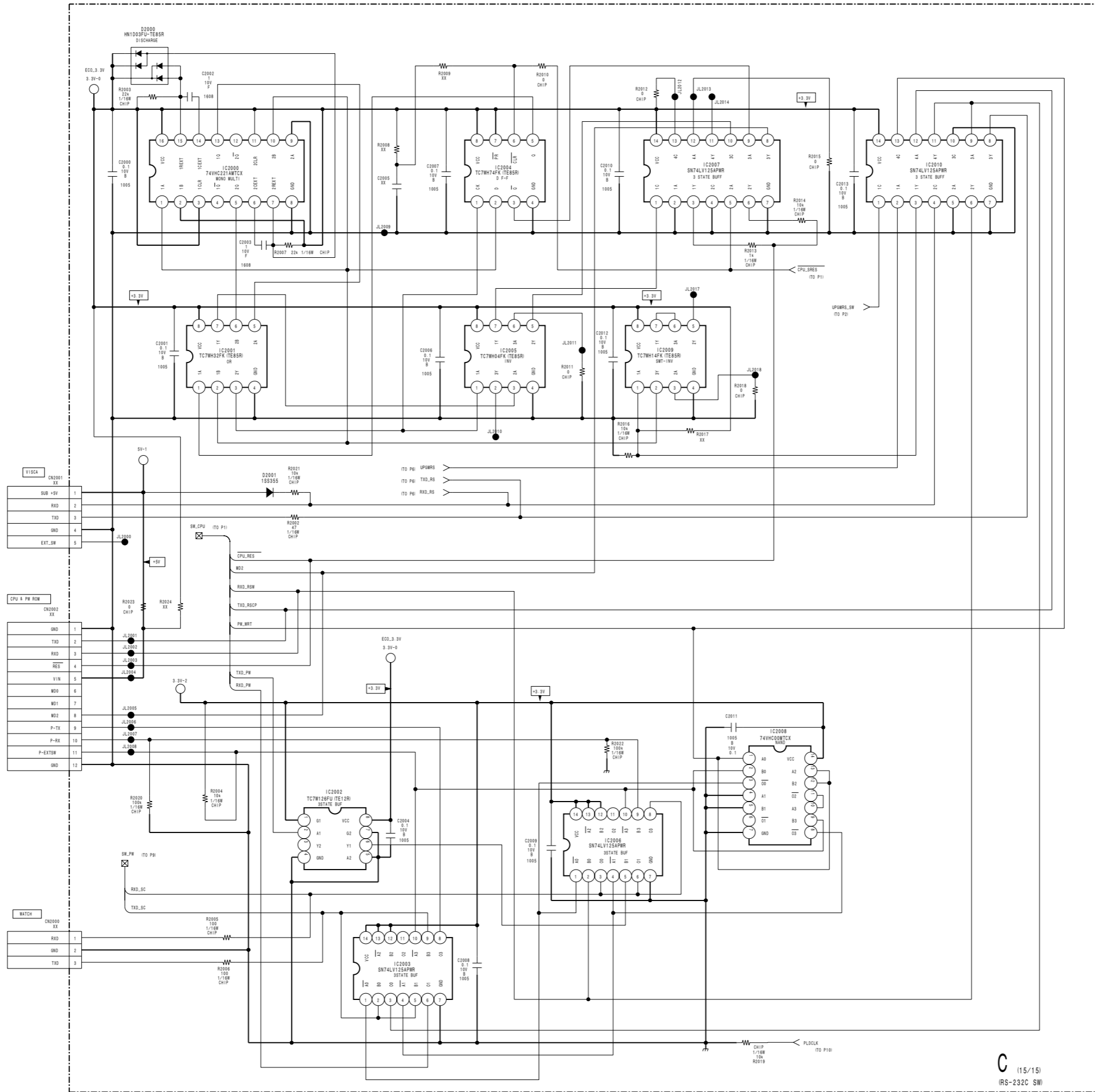
C (13/15)  
LCD DRIVER (B)

B-SX1768-C-13



C (14/15)  
(USB)

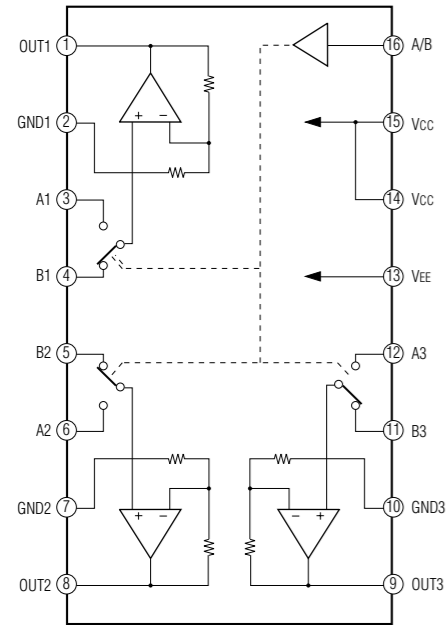
B-SX1768-C-14



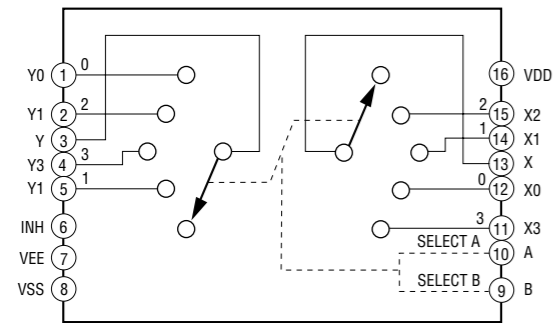
C (15/15)  
(RS-232C SW)

B-SX1768-C-15

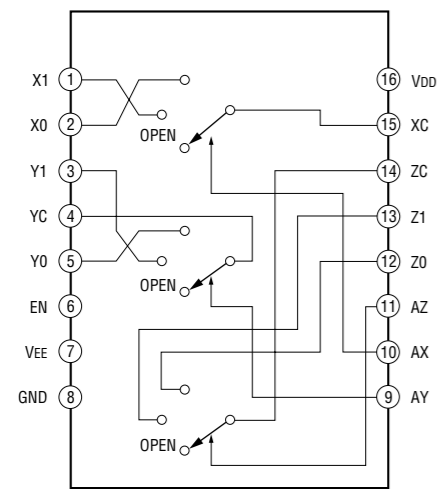
C (3/15) EL4332CS-TE2 (IC302)



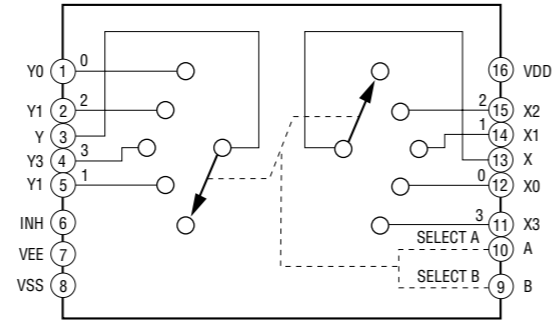
C (3/15) TC74HC4052AFT (EL) (IC301)



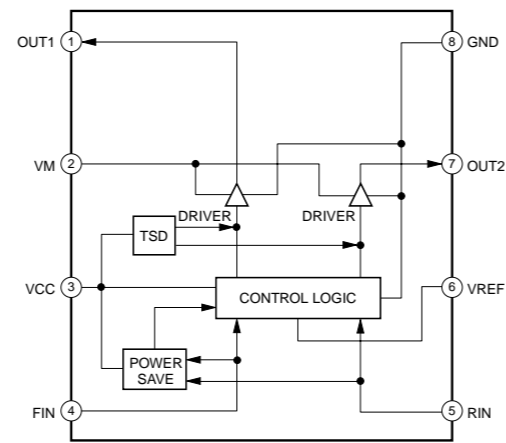
C (3/15) TC74HC4053AFT (EL) (IC303)



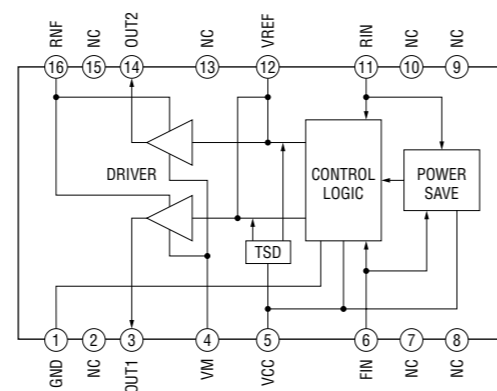
C (4/15) TC74HC4052AFT (EL) (IC401)



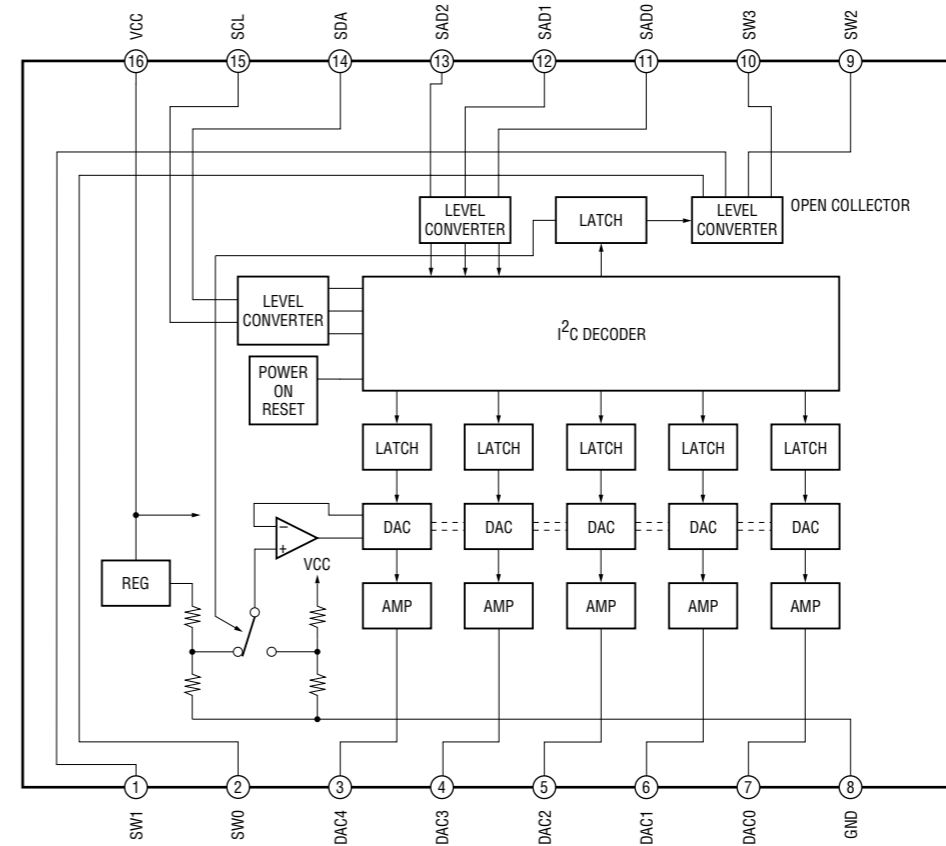
C (5/15) BA6287F-E2 (IC506, IC507, IC511)



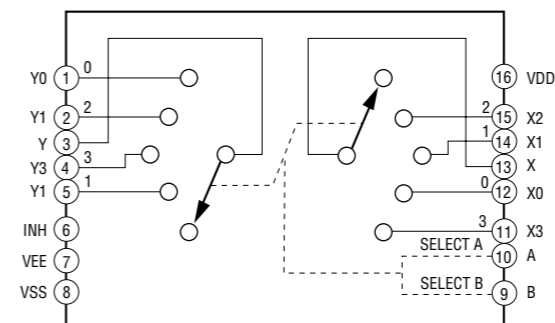
C (5/15) BA6288FS-E2 (IC508)



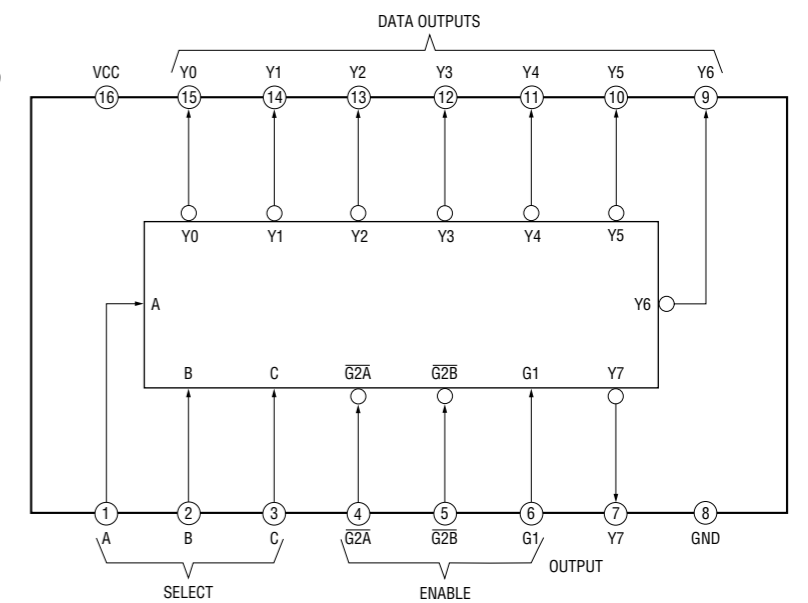
C (5/15) CXA1875AM-T4 (IC509)



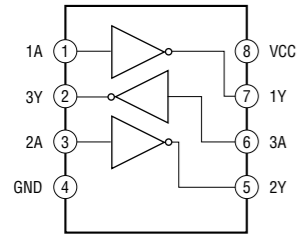
C (5/15) SN74LV4052APWR (IC504)



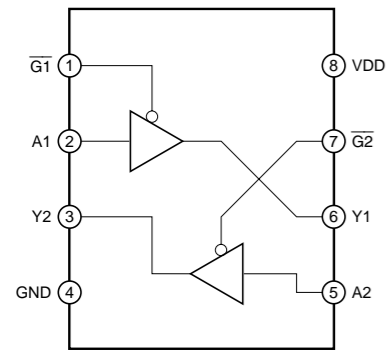
C (5/15) TC74VHC138FT(EL) (IC502)



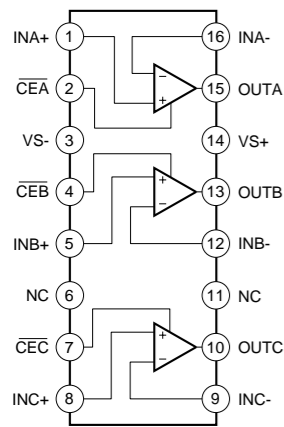
**C (5/15) TC7WH04FK(TE85R) (IC505)**



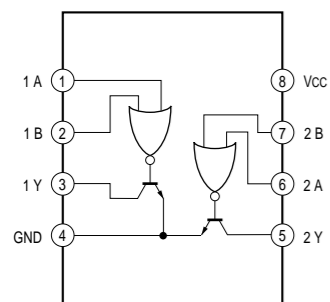
**C (5/15) TC7WH125FK(TE85R) (IC513)**



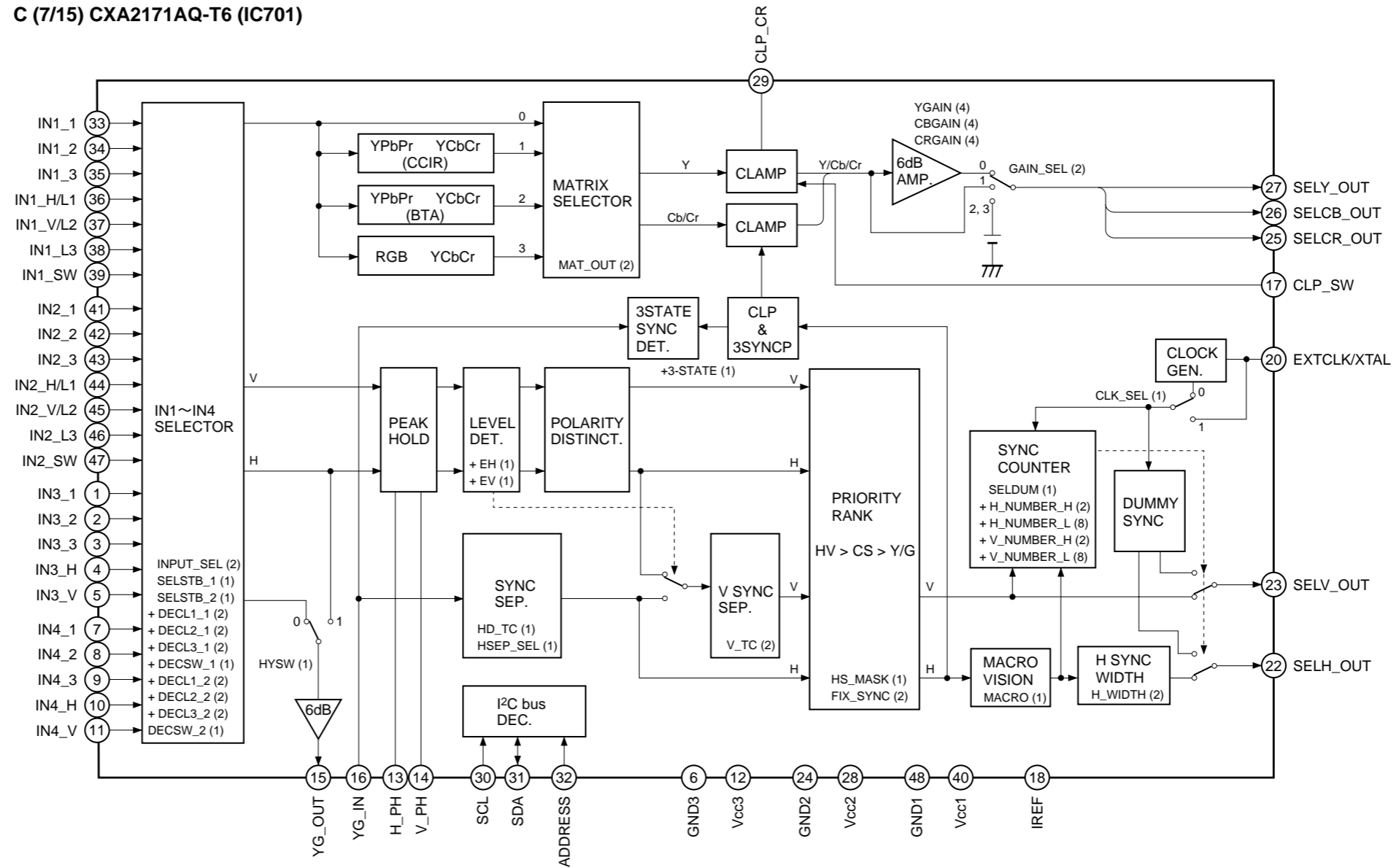
**C (6/15) EL5364IUZ-T7 (IC600)**



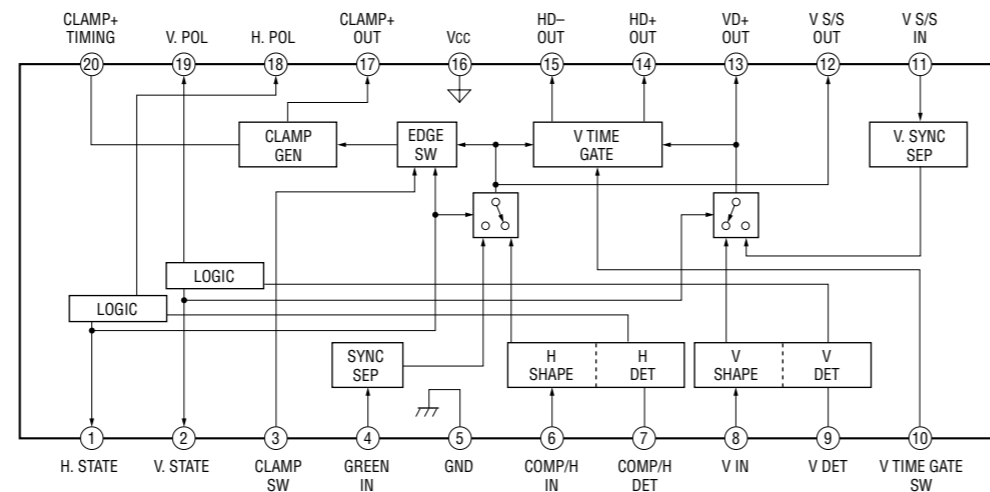
**C (6/15) SN75453BPSR (IC603)**



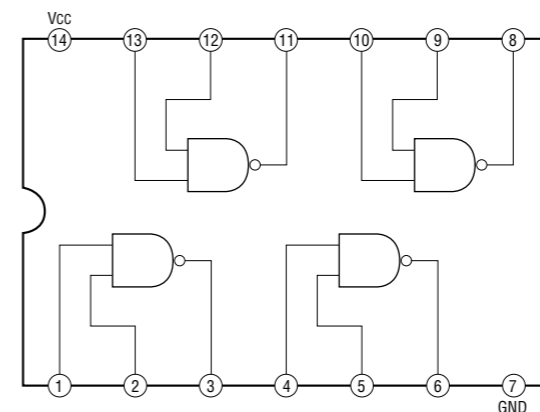
**C (7/15) CXA2171AQ-T6 (IC701)**



**C (7/15) M52347FP-TE (IC700)**

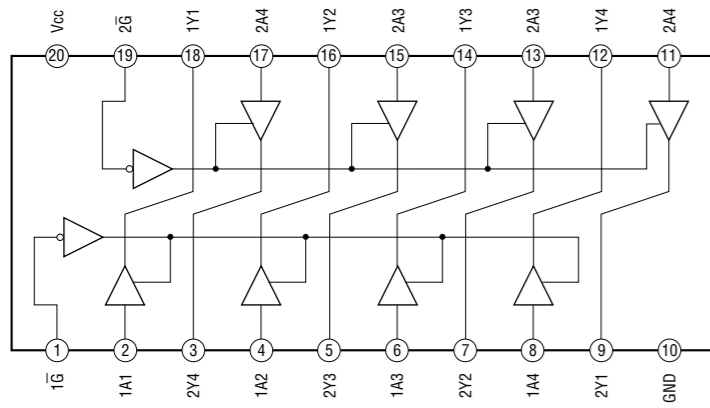


**C (7/15) SN74LV00APWR (IC702)**

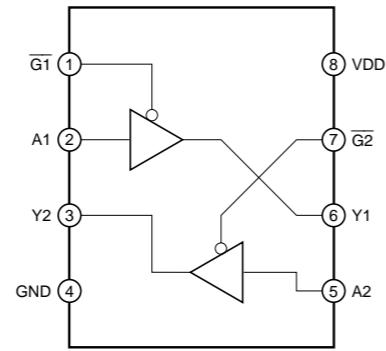




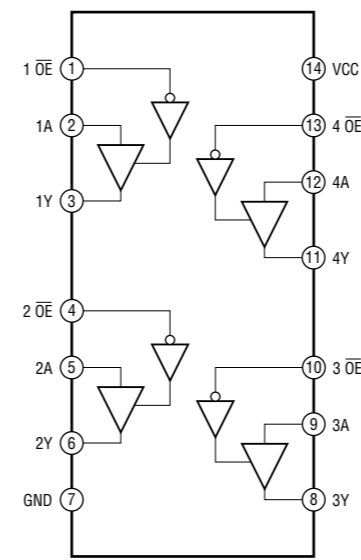
C (7/15) SN74LV244APWR (IC703)



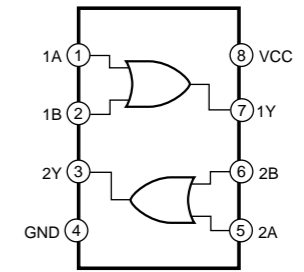
C (10/15) TC7WH125FK(TE85R) (IC1508)



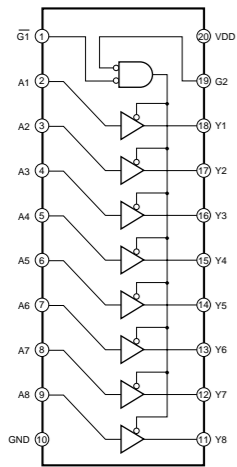
C (15/15) SN74LV125APWR (IC2003, IC2006, IC2007, IC2010)



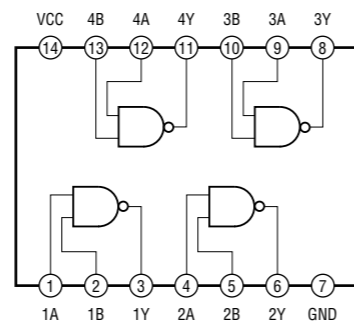
C (15/15) TC7WH32FK(TE85R) (IC2001)



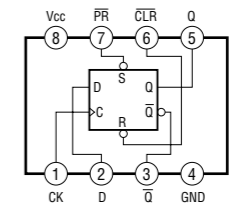
C (10/15) SN74AHCT541PWR (IC1504, IC1505, IC1506)



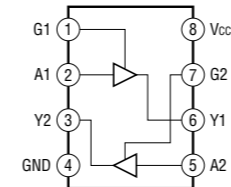
C (15/15) 74VHC00MTCX (IC2008)



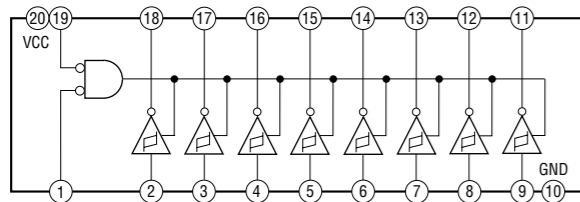
C (15/15) TC7WH74FK(TE85R) (IC2004)



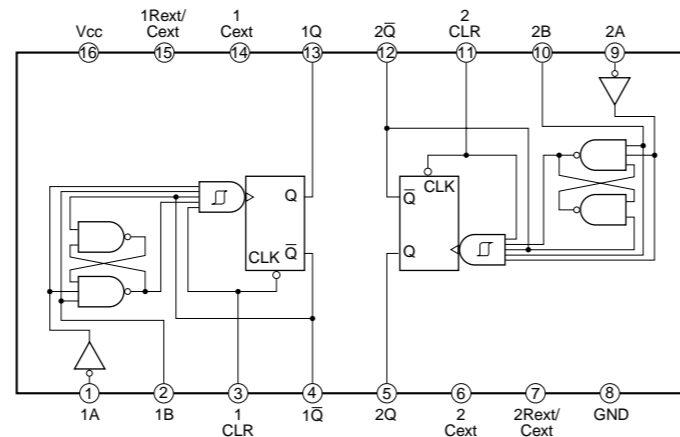
C (15/15) TC7W126FU (TE12R) (IC2002)



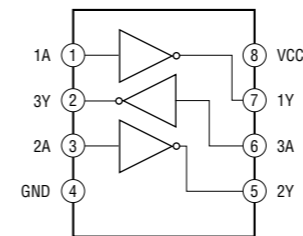
C (10/15) TC74VHCT540AFT(EL) (IC1507)



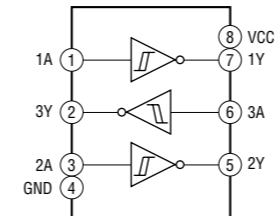
C (15/15) 74VHC221AMTCX (IC2000)



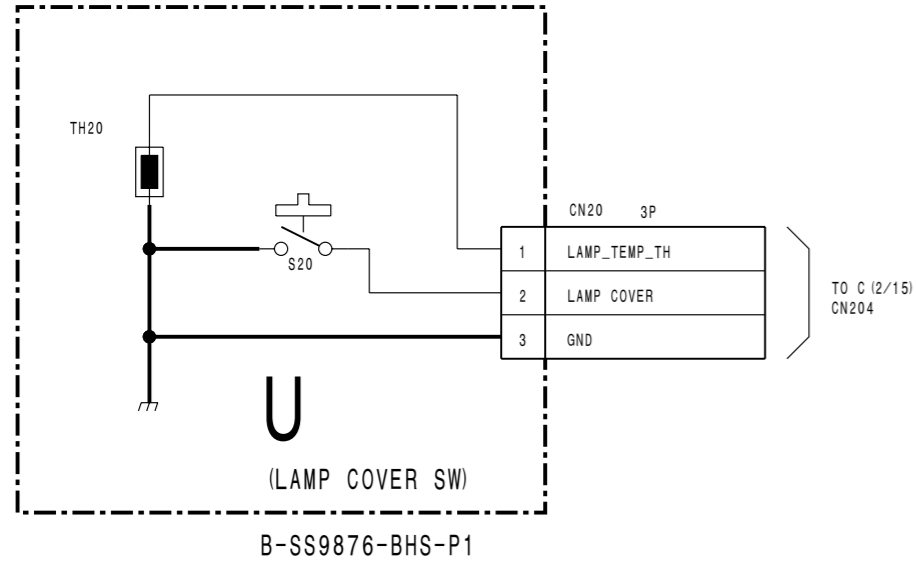
C (15/15) TC7WH04FK(TE85R) (IC2005)



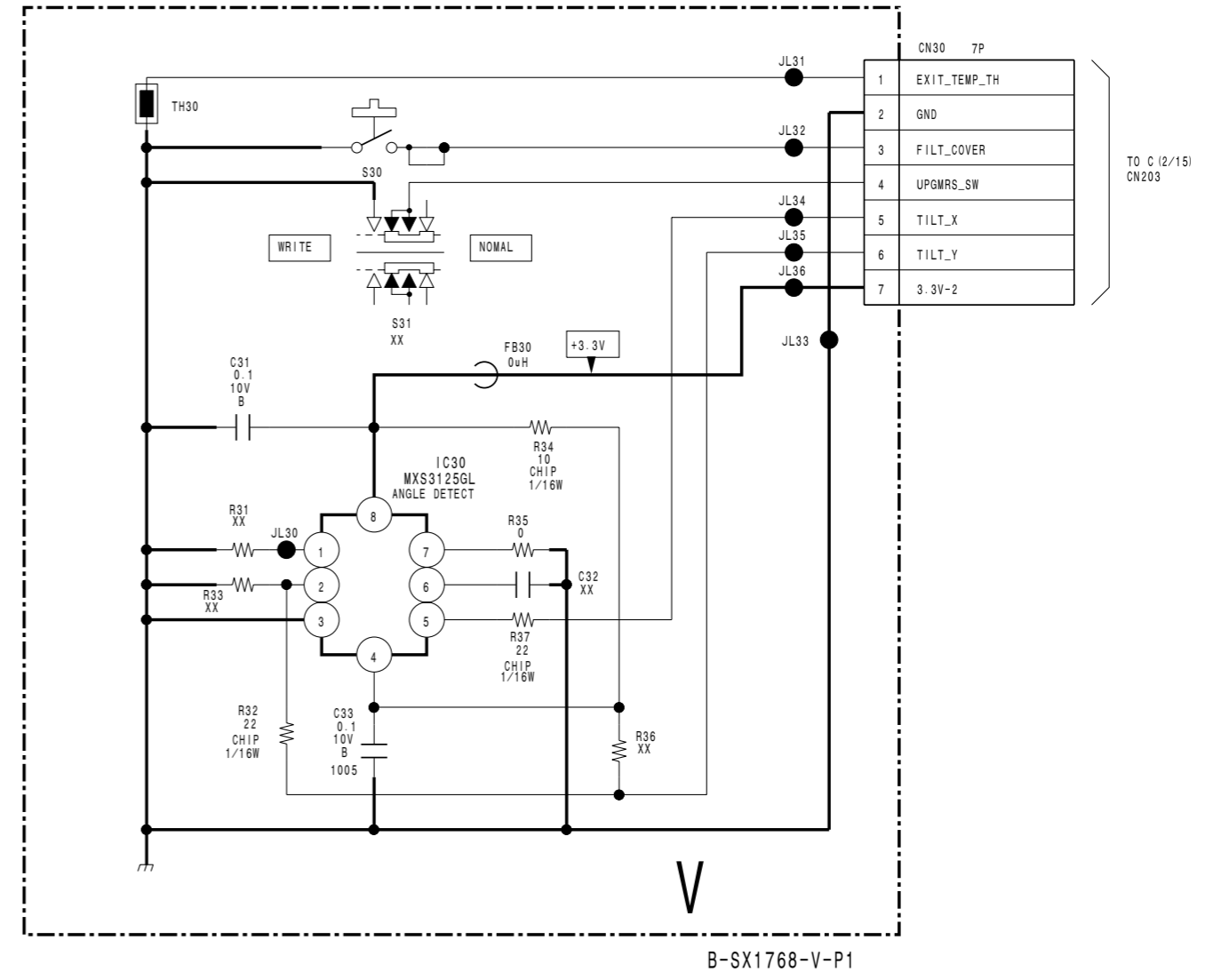
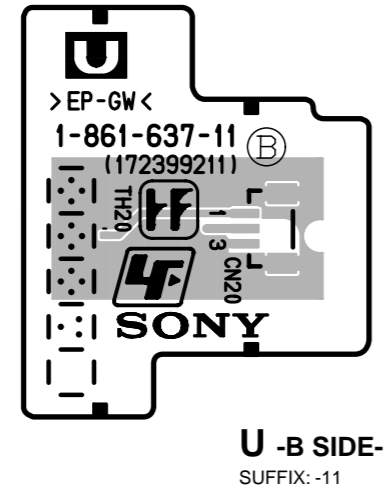
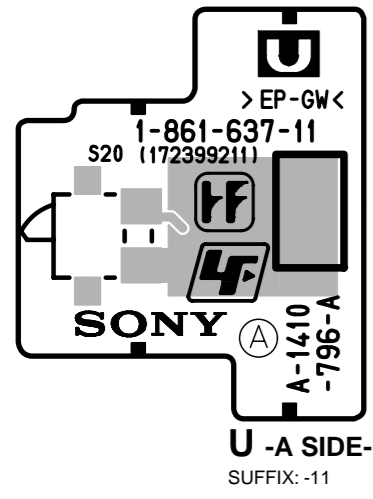
C (15/15) TC7WH14FK(TE85R) (IC2009)



1



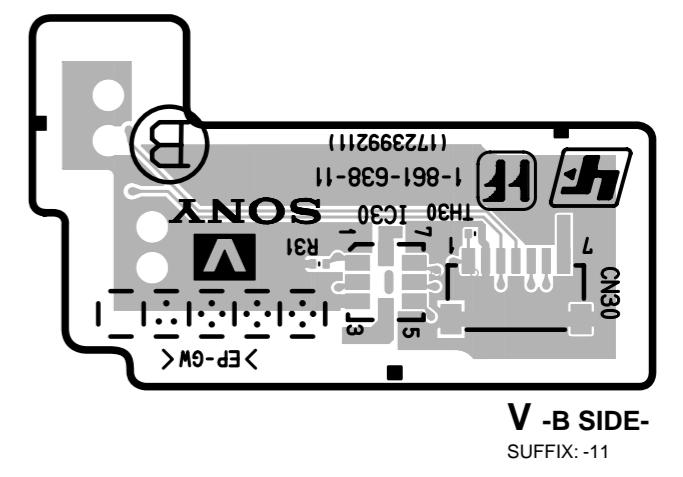
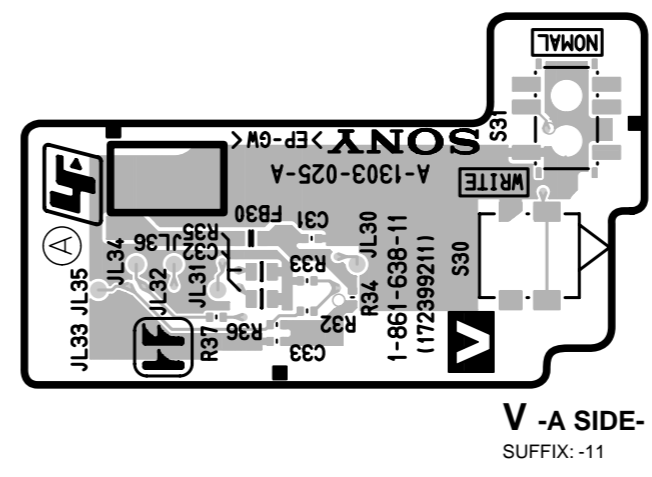
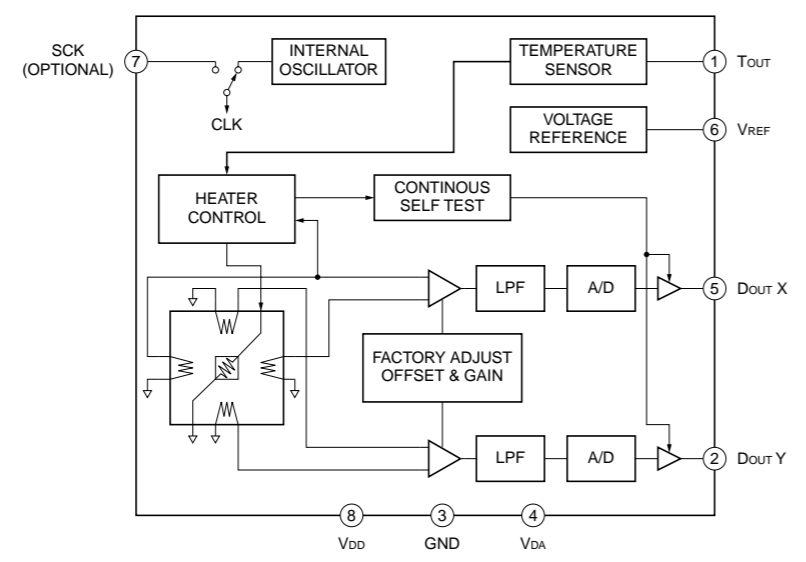
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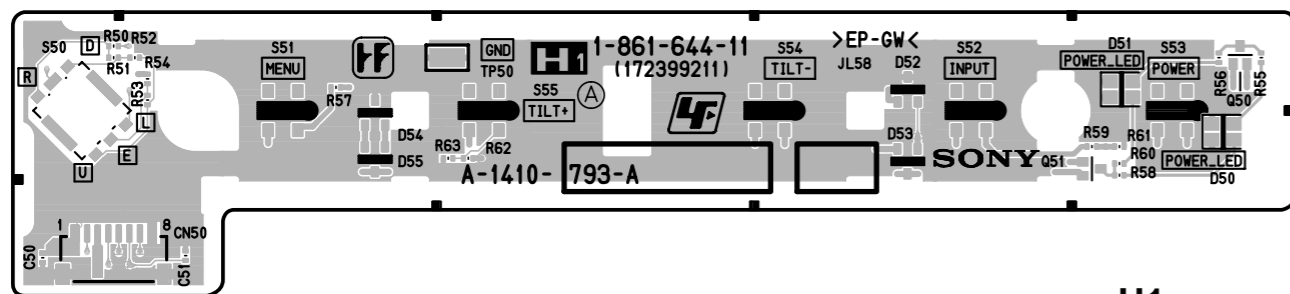
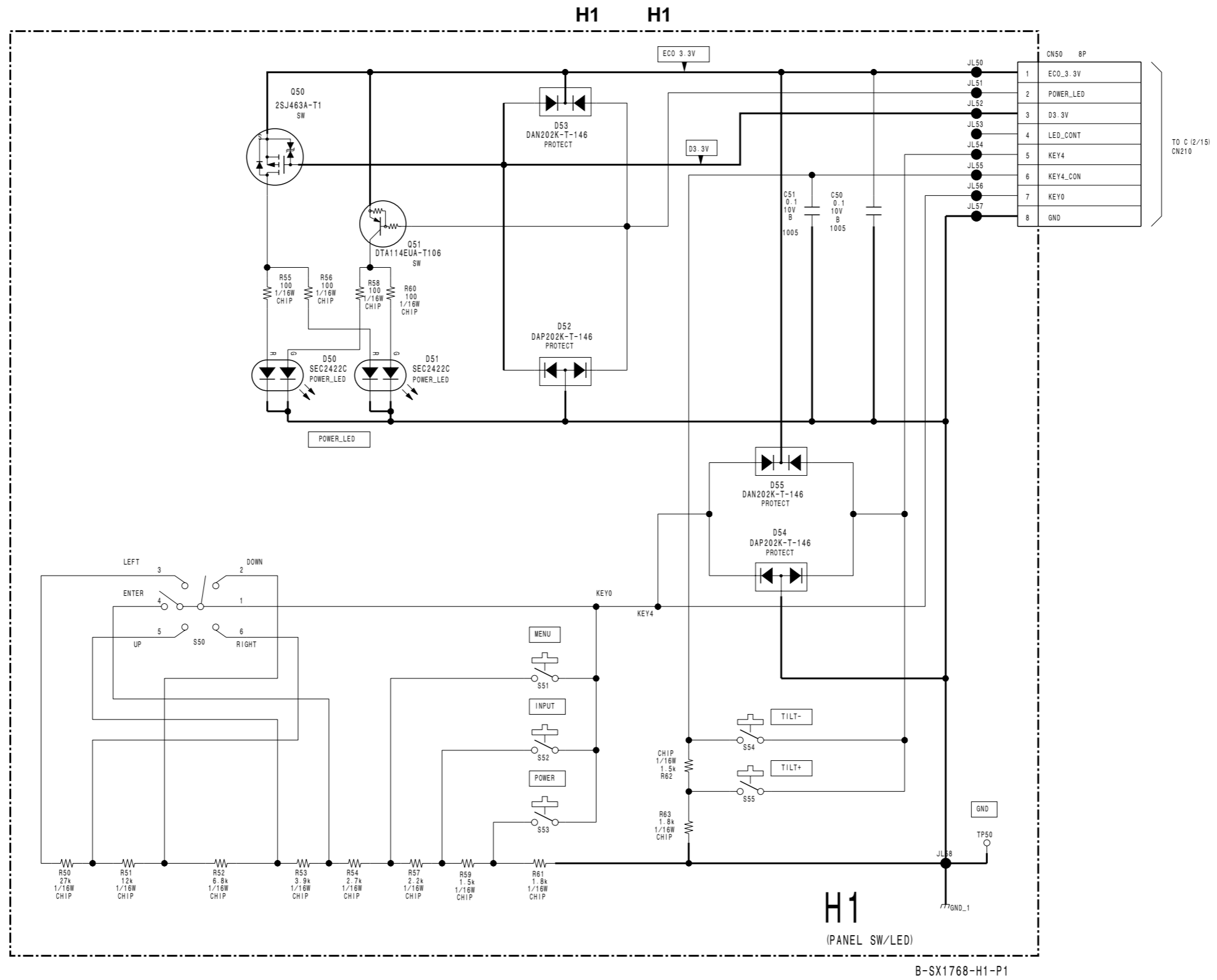


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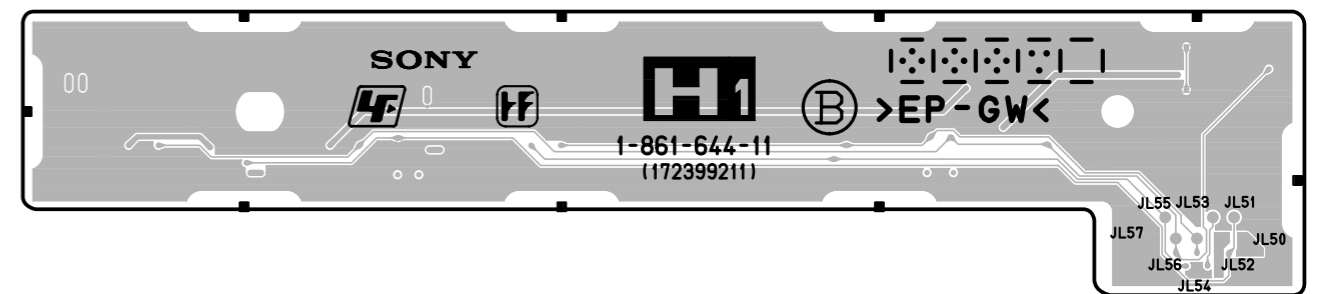
4

**V MXS3125GL (IC30)**



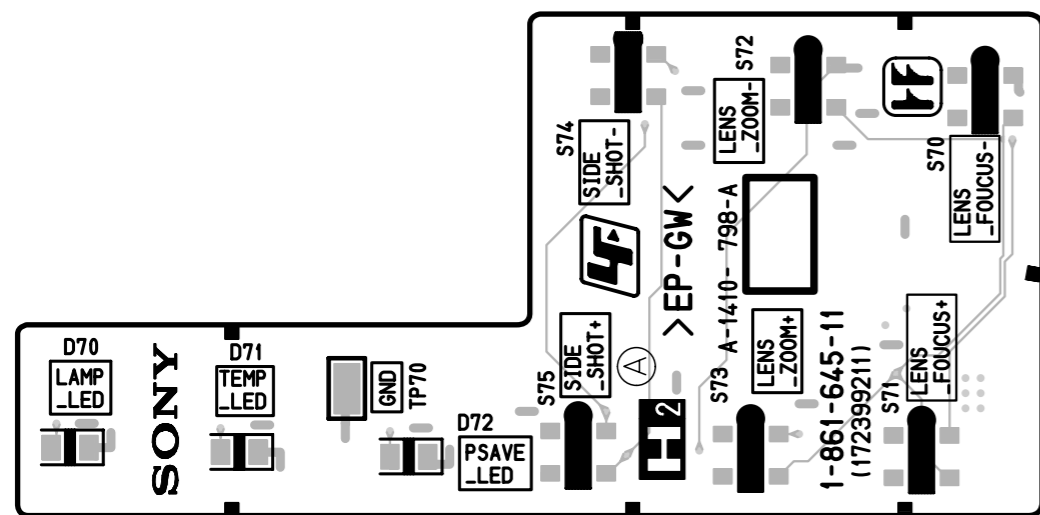
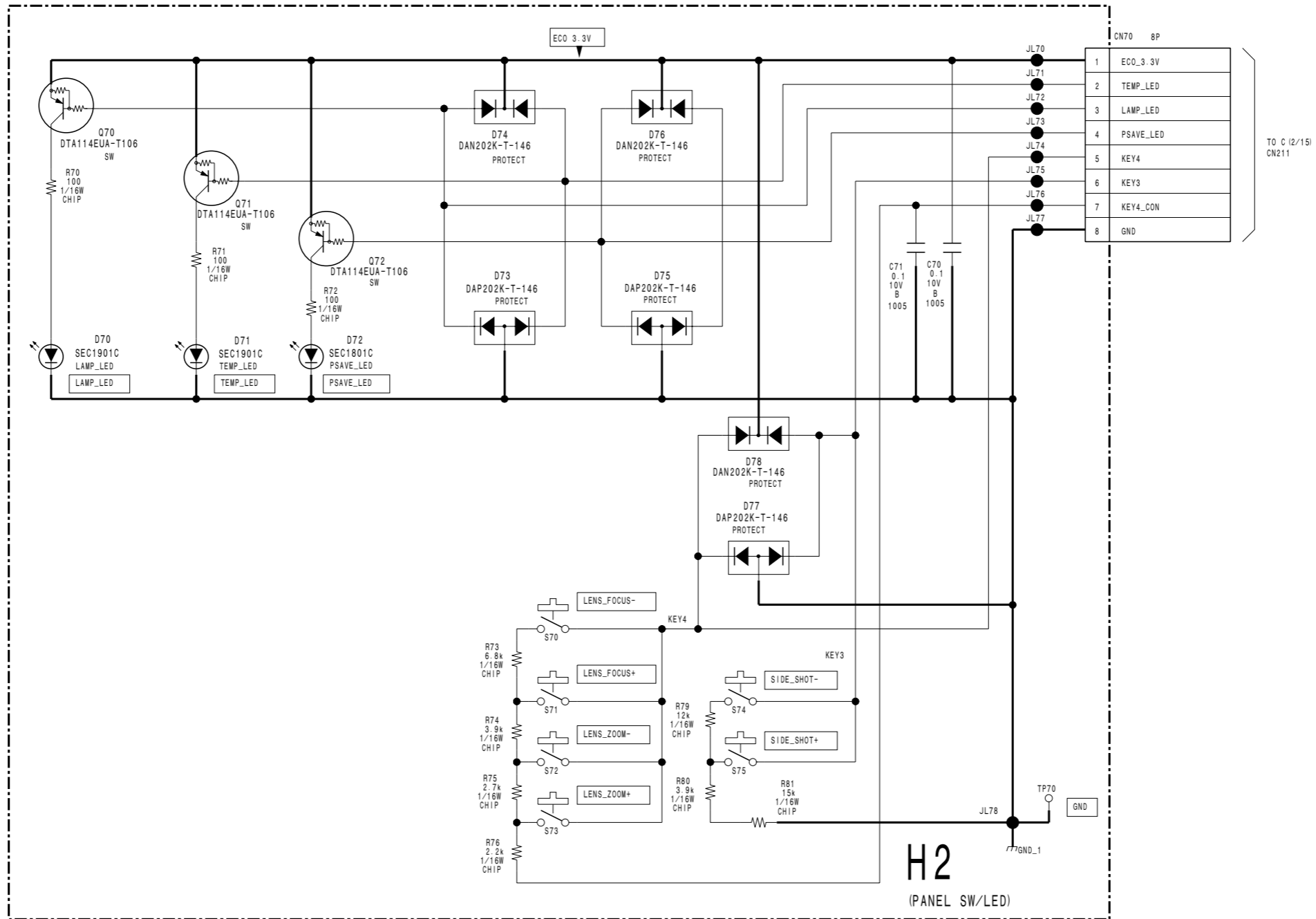


H1 -A SIDE-  
SUFFIX: -11

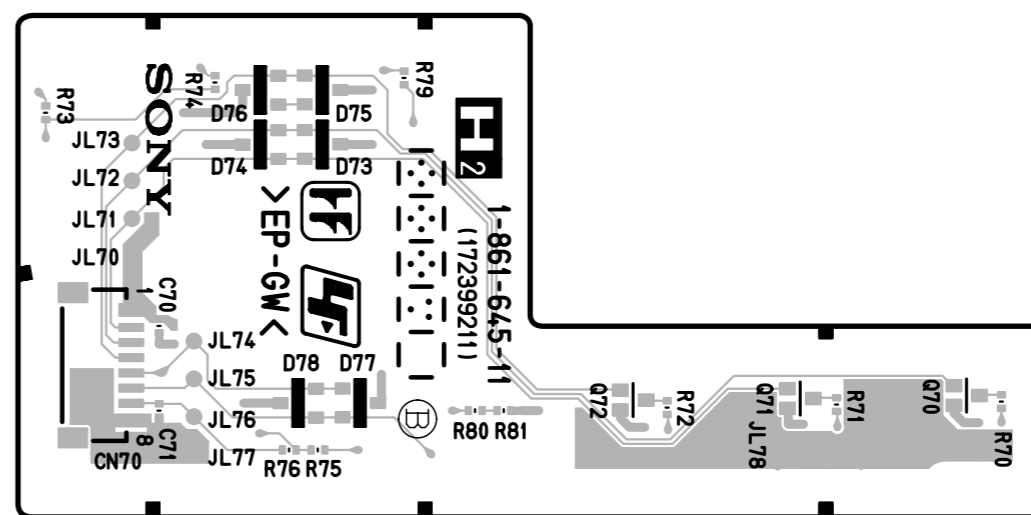


H1 -B SIDE-  
SUFFIX: -11

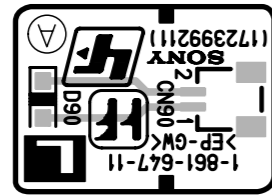
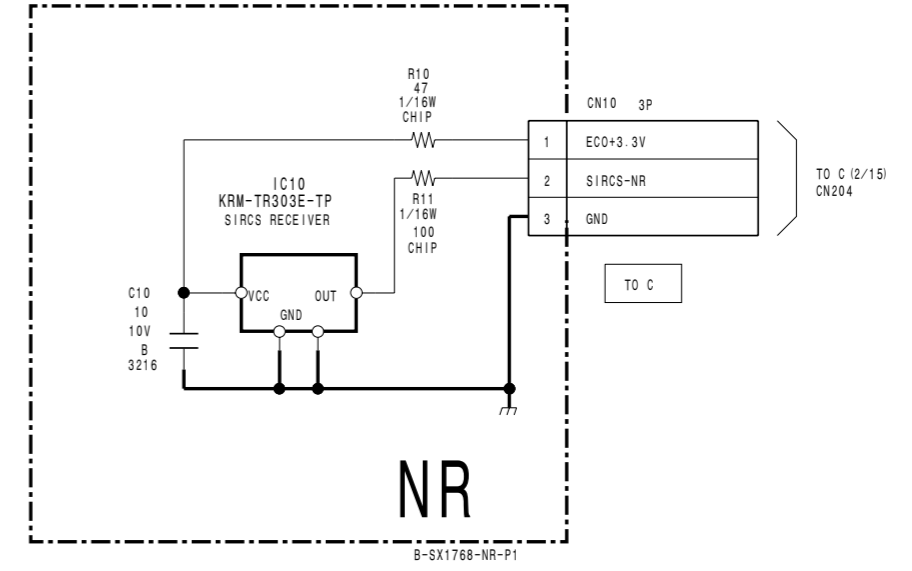
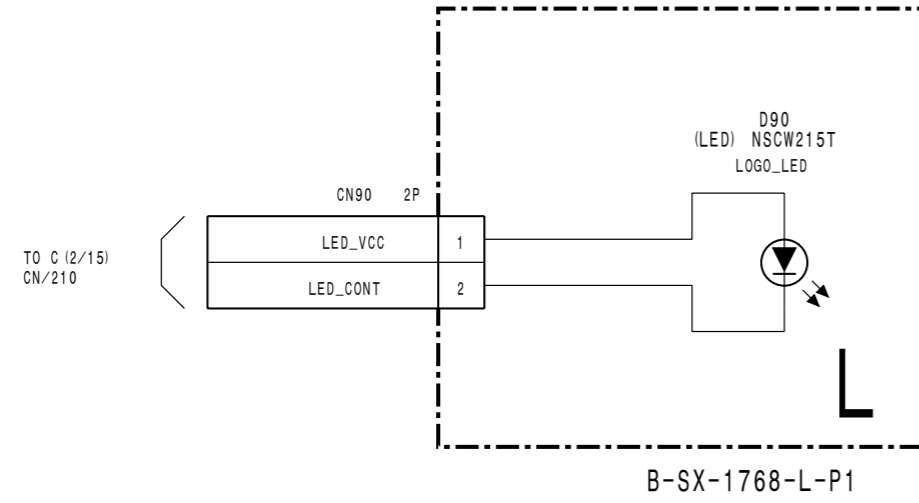
H2 H2



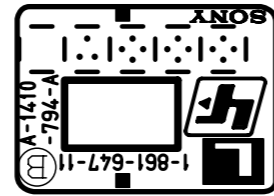
H2 -A SIDE-  
SUFFIX: -11



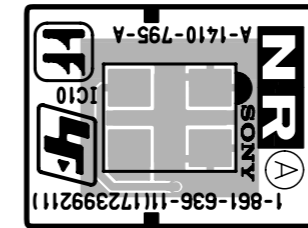
H2 -B SIDE-  
SUFFIX: -11



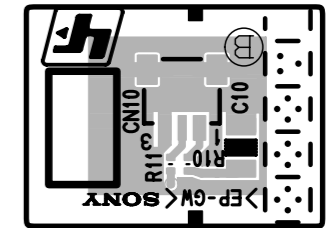
L -A SIDE-  
SUFFIX: -11



L -B SIDE-  
SUFFIX: -11

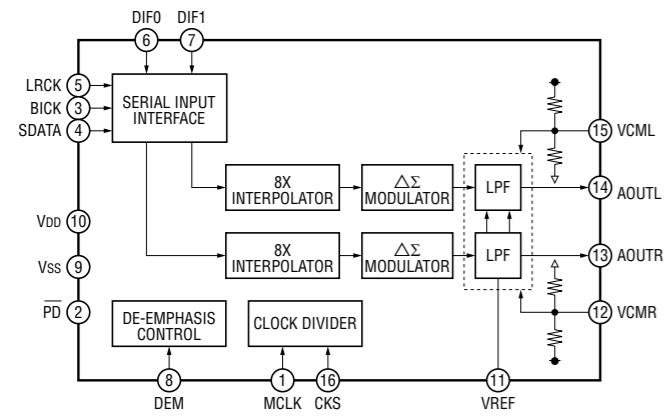


NR -A SIDE-  
SUFFIX: -11

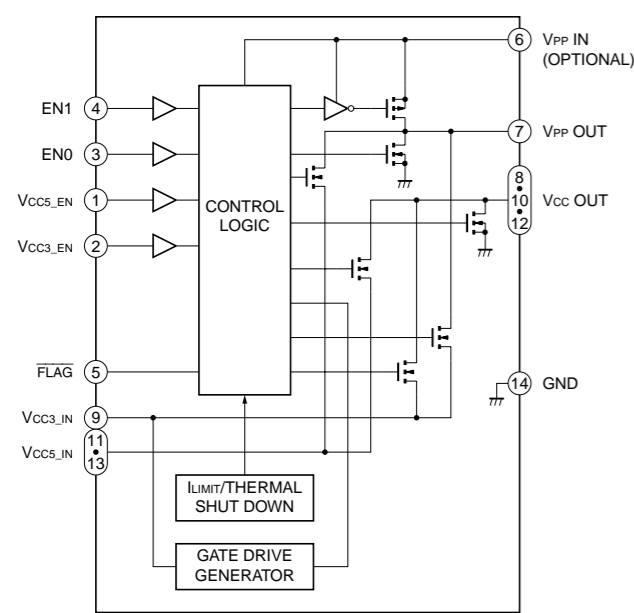


NR -B SIDE-  
SUFFIX: -11

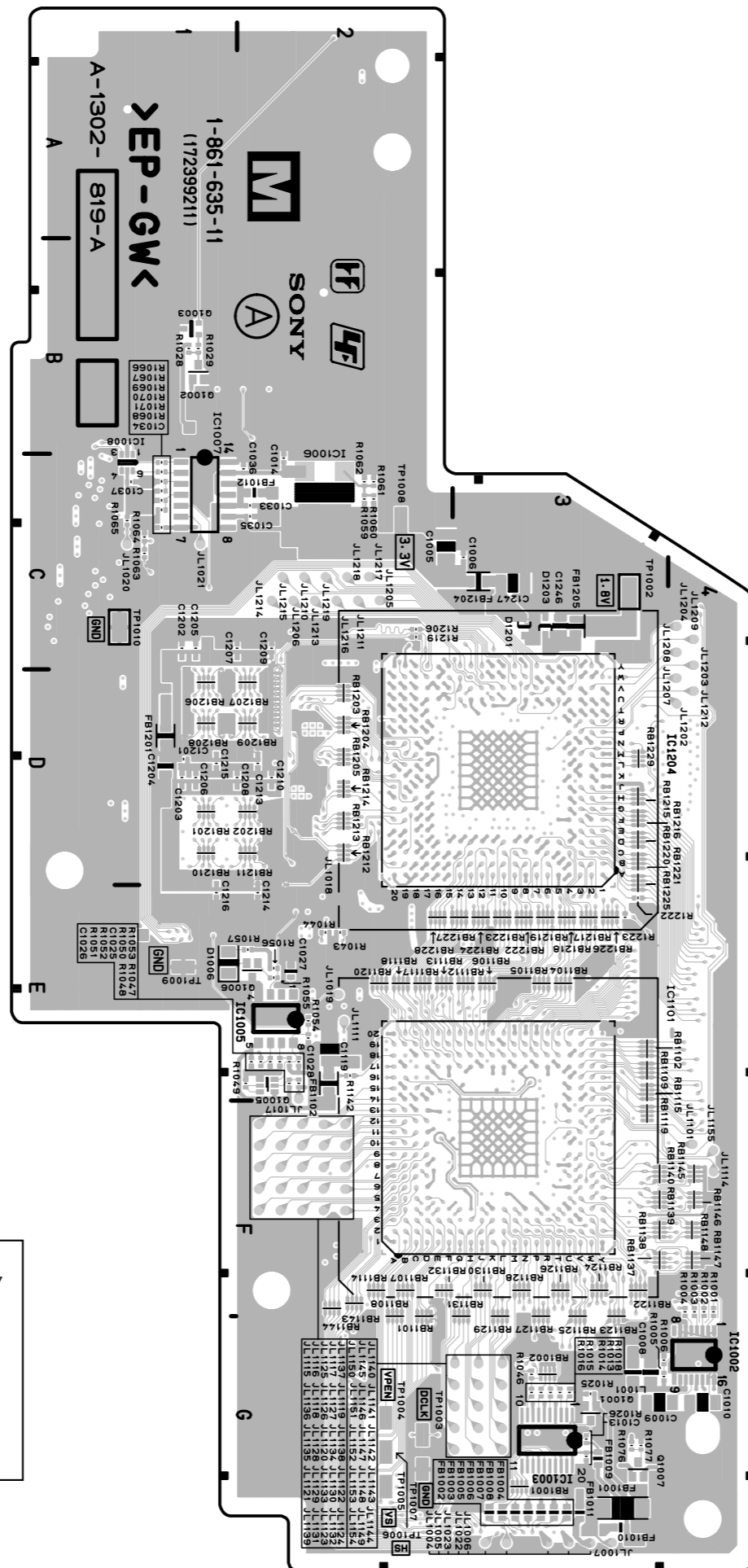
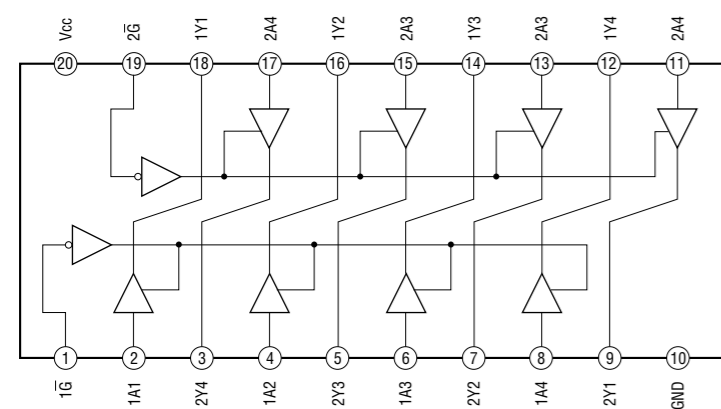
**M AK4352VT-E2 (IC1002)**



**M MIC2562A-OBMTR (IC1007)**

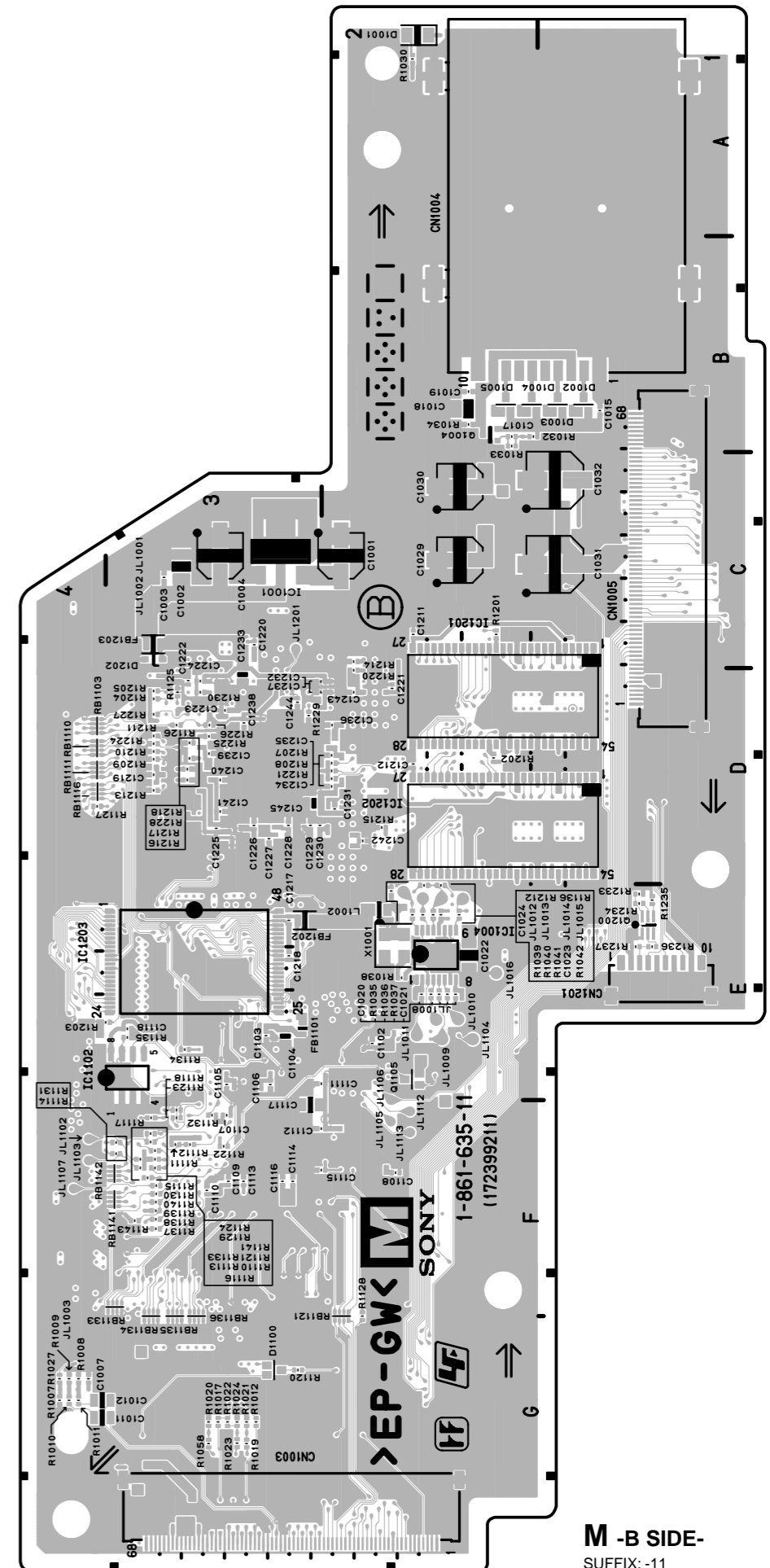


**M SN74LV244APWR (IC1003)**



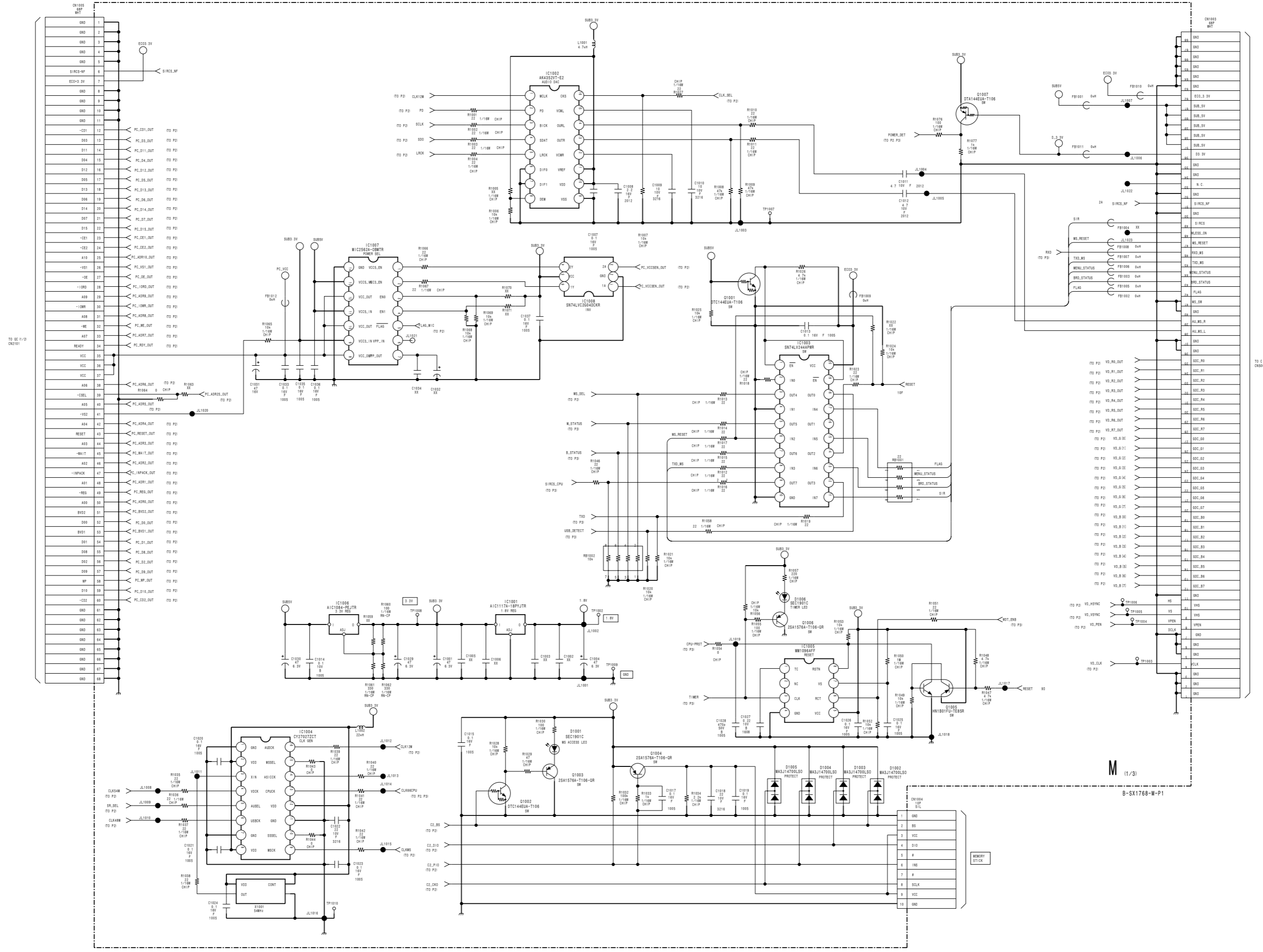
**M BOARD**

- \* : B SIDE
- D1001 \* A-2
- D1002 \* B-1
- D1003 \* B-1
- D1004 \* B-2
- D1005 \* B-2
- D1006 \* B-1
- D1100 \* C-3
- D1201 \* C-3
- D1202 \* C-3
- D1203 \* C-3
- IC1001 \* C-3
- IC1002 \* G-4
- IC1003 \* G-4
- IC1004 \* B-2
- IC1005 \* B-2
- IC1006 \* C-2
- IC1007 \* C-1
- IC1008 \* B-1
- IC1101 \* F-3
- IC1102 \* B-3
- IC1201 \* D-2
- IC1202 \* D-2
- IC1203 \* B-3
- IC1204 \* D-3
- Q1001 \* G-3
- Q1002 \* B-1
- Q1003 \* B-1
- Q1004 \* B-2
- Q1005 \* B-2
- Q1006 \* B-2
- Q1007 \* B-3
- Q1105 \* \*
- Q1200 \* \*
- TP1002 \* C-3
- TP1003 \* C-2
- TP1004 \* C-2
- TP1005 \* C-2
- TP1006 \* C-2
- TP1007 \* B-2
- TP1008 \* C-2
- TP1009 \* B-1
- TP1010 \* B-1



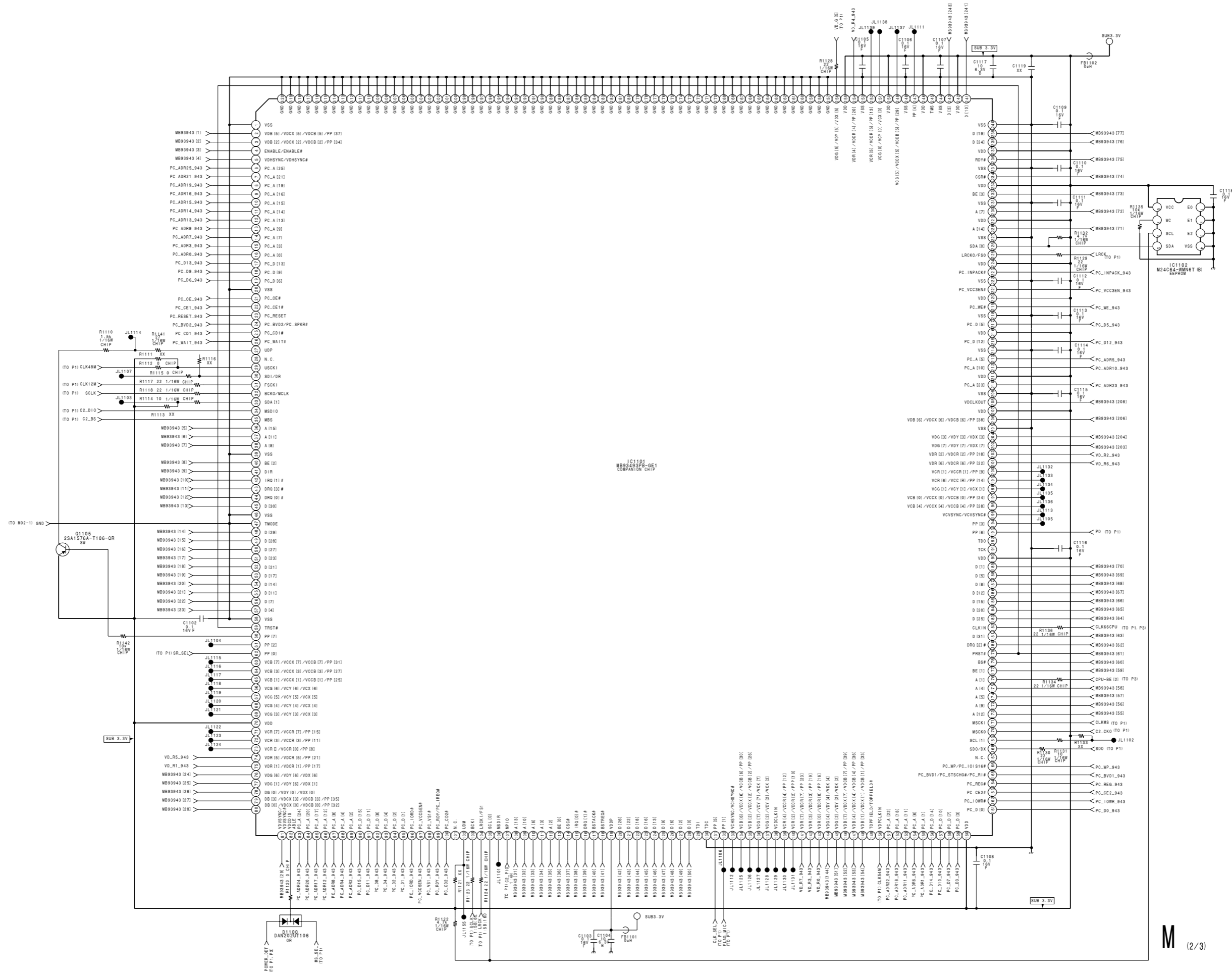
**M -A SIDE-**  
SUFFIX: -11

**M -B SIDE-**  
SUFFIX: -11









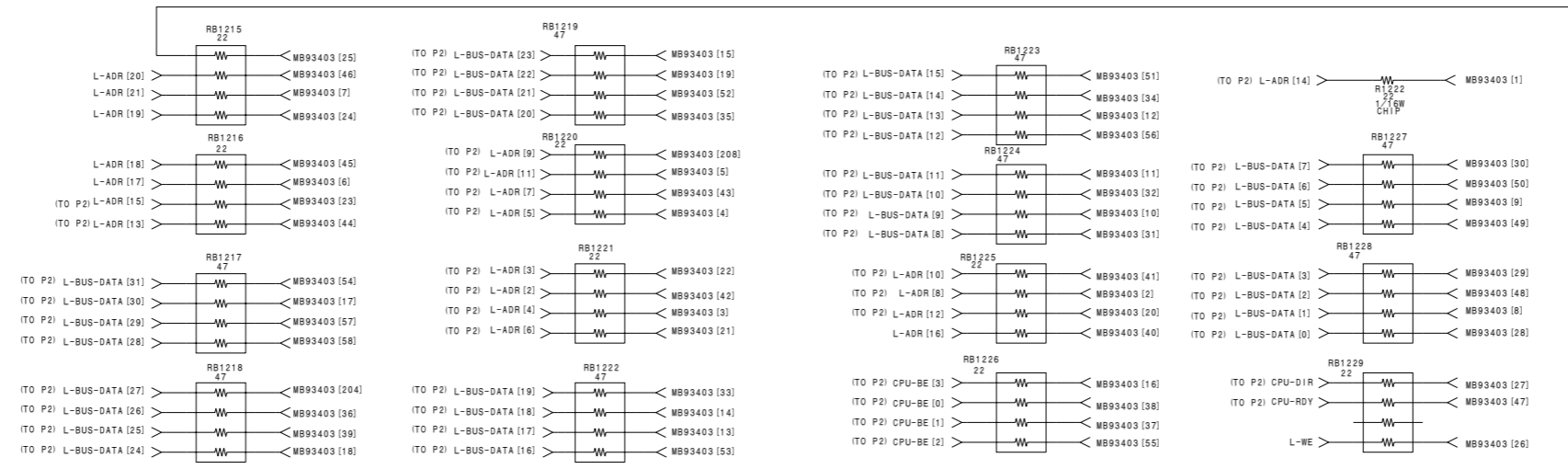
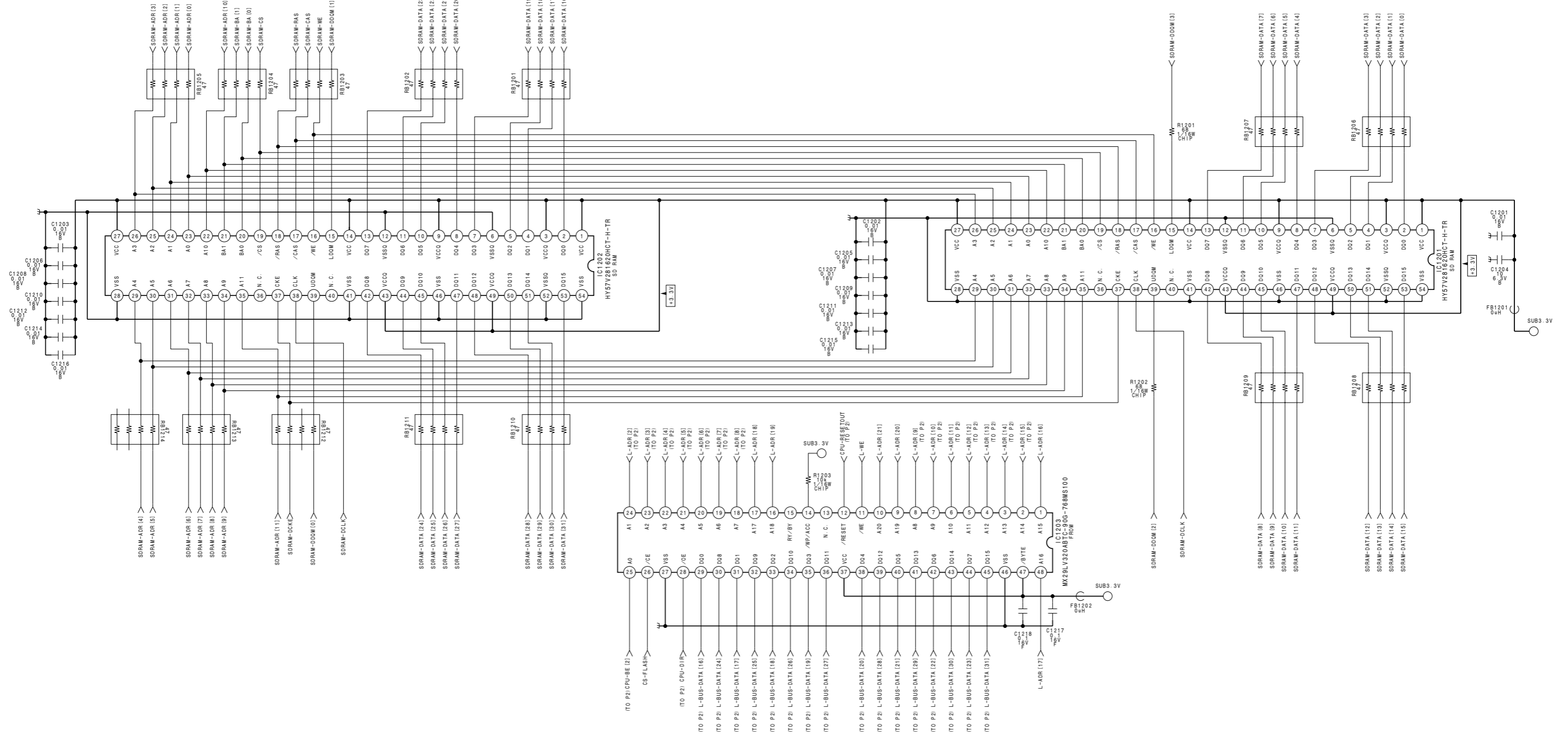
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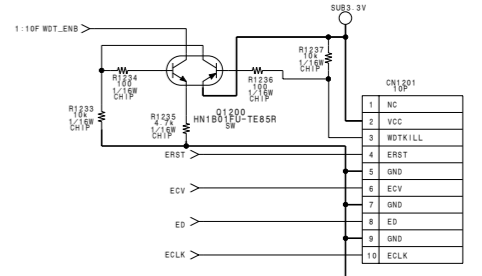
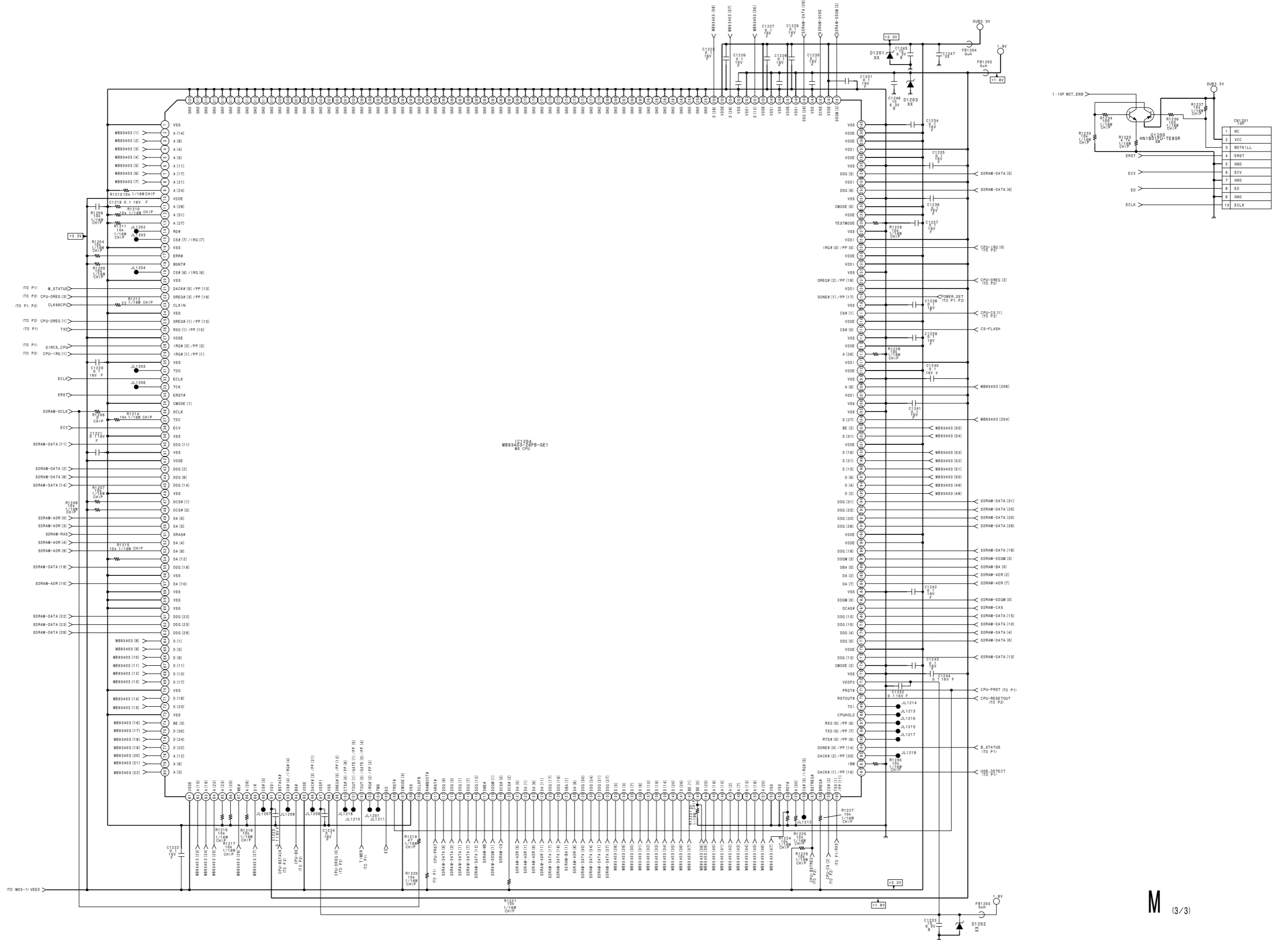
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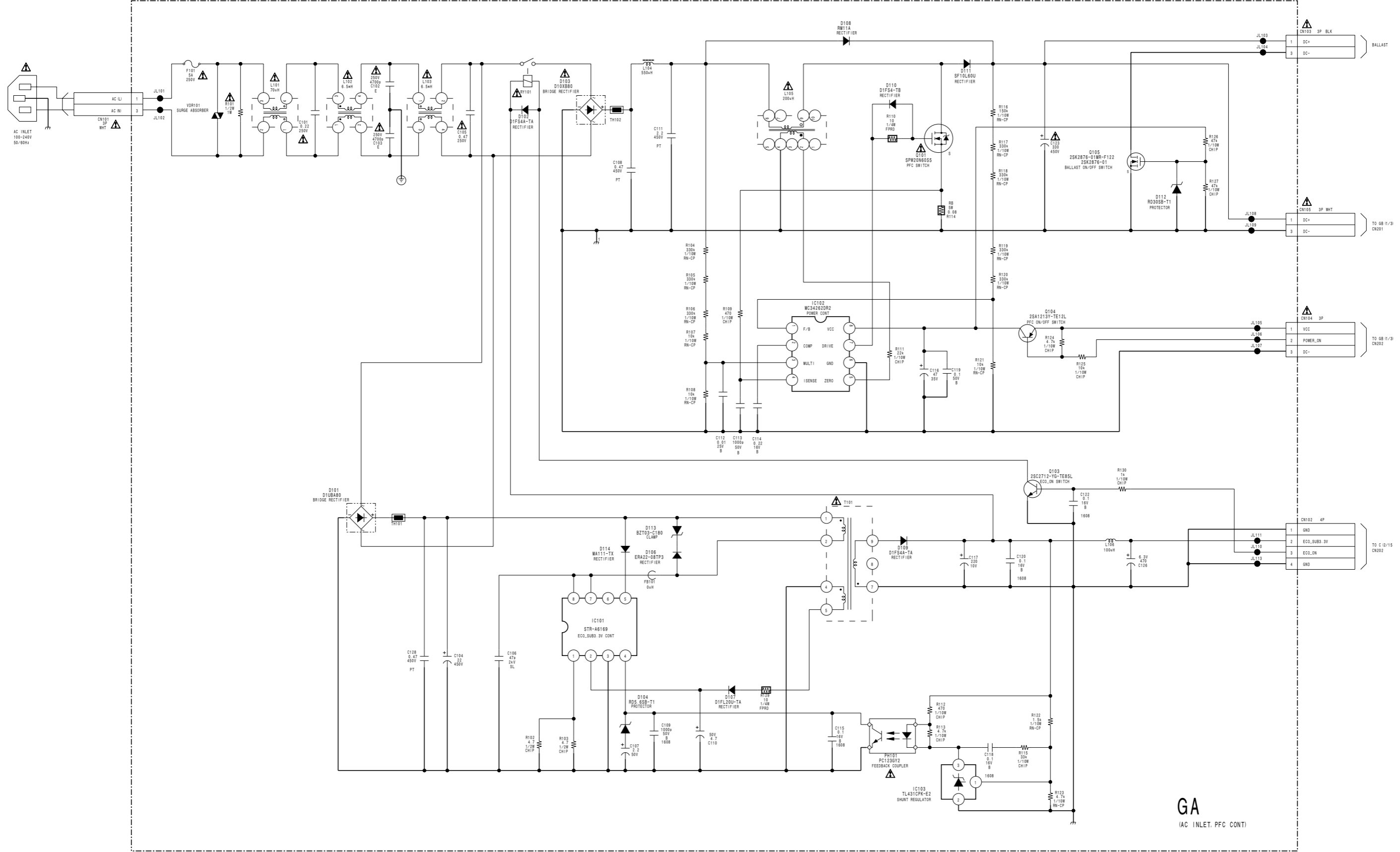
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GA  
(AC INLET, PFC CONT)

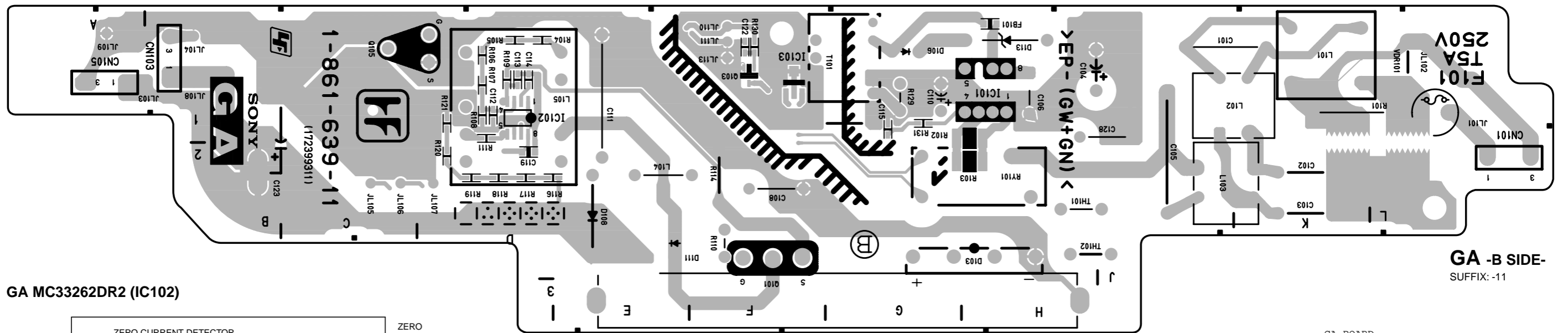
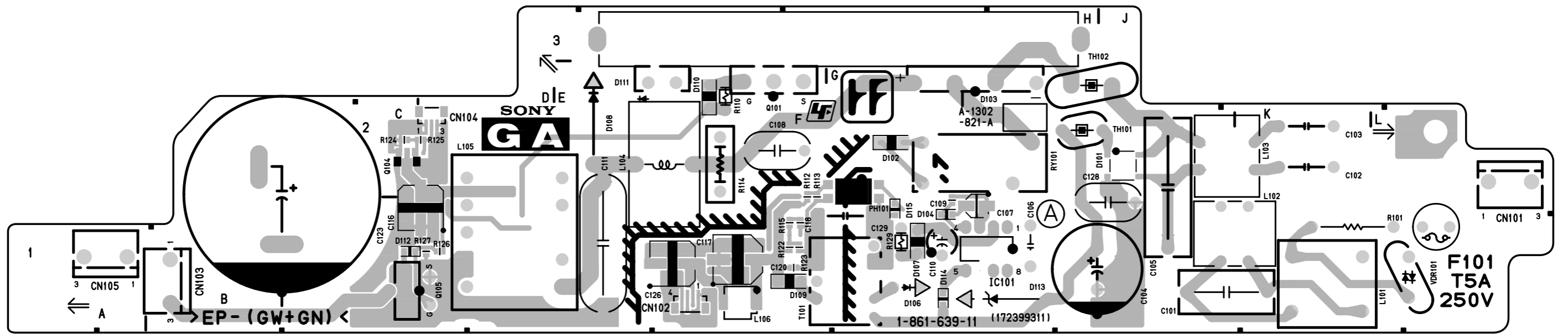
B-SX1768-GA-P1

6-36

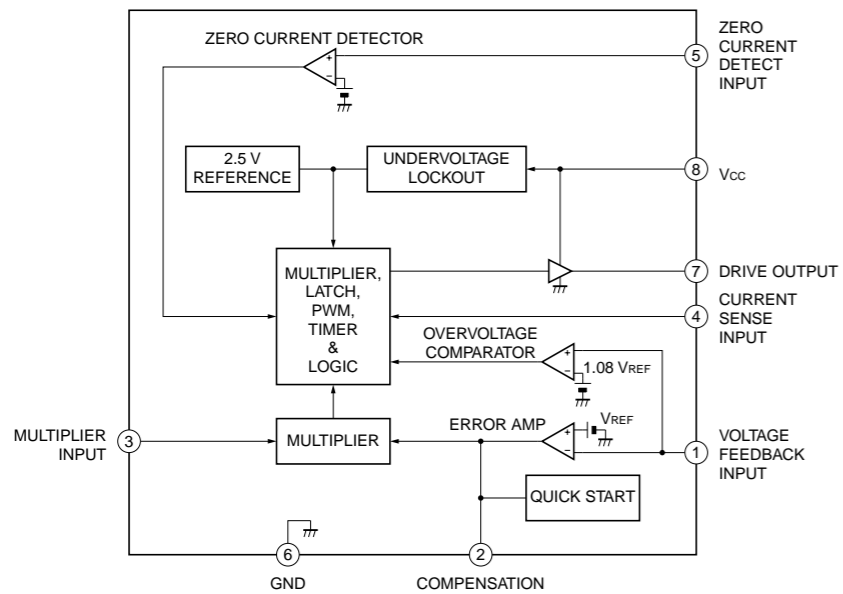
6-36

VPL-CX85

A B C D E F G H



GA MC33262DR2 (IC102)



GA BOARD

\* : B SIDE

- D101 J-2
- D102 G-2
- D103 H-2
- D104 G-1
- D106 G-1
- D107 G-1
- D108 E-2
- D109 F-1
- D110 F-2
- D111 E-2
- D112 C-1
- D113 H-1
- D114 G-1
- D115 G-1

- IC101 H-1
- IC102 \* D-1
- IC103 \* F-1

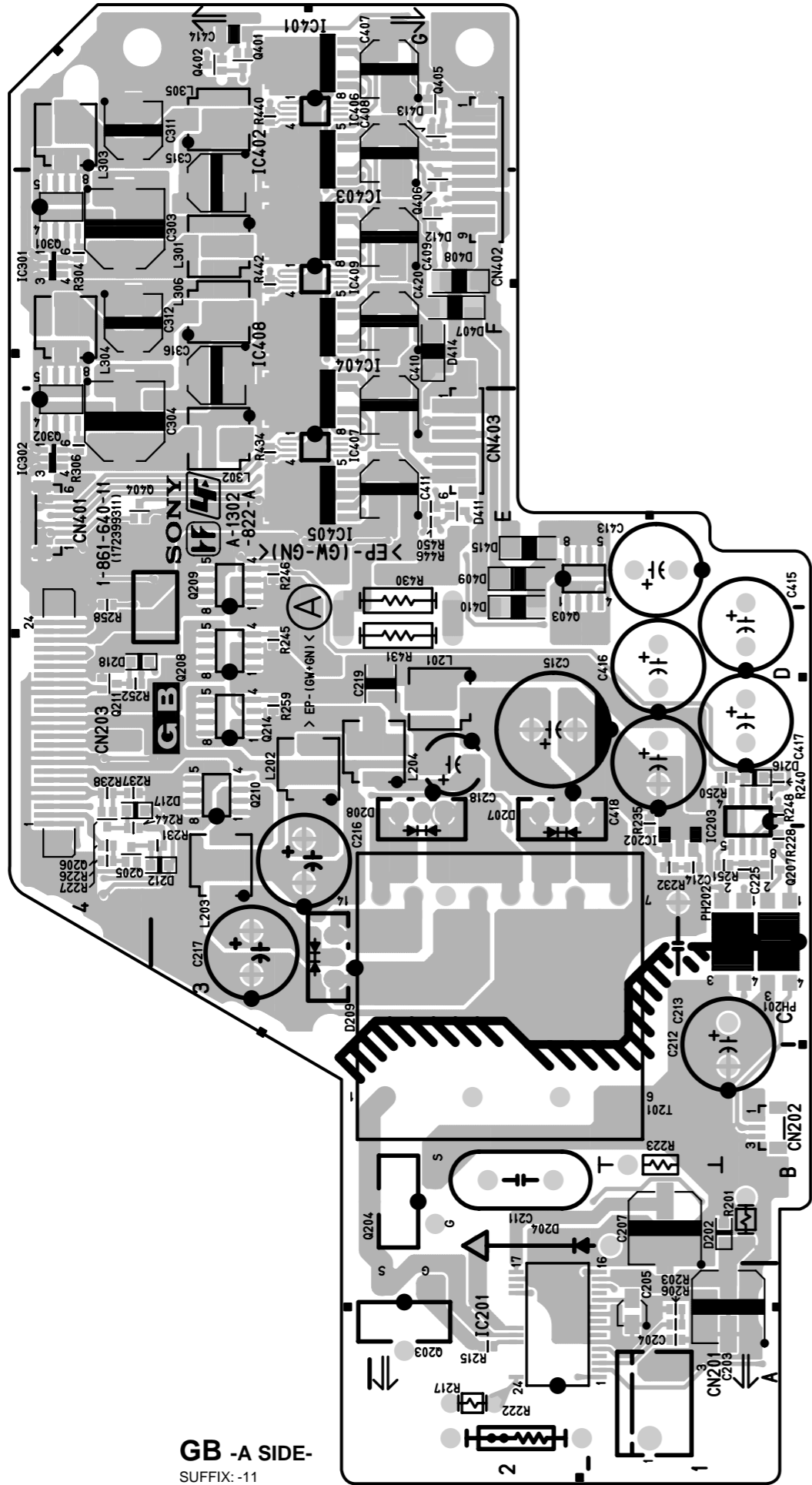
- PH101 G-2

- Q101 F-2
- Q103 \* F-1
- Q104 C-2
- Q105 C-1

- VDR101 L-1

**GB BOARD**

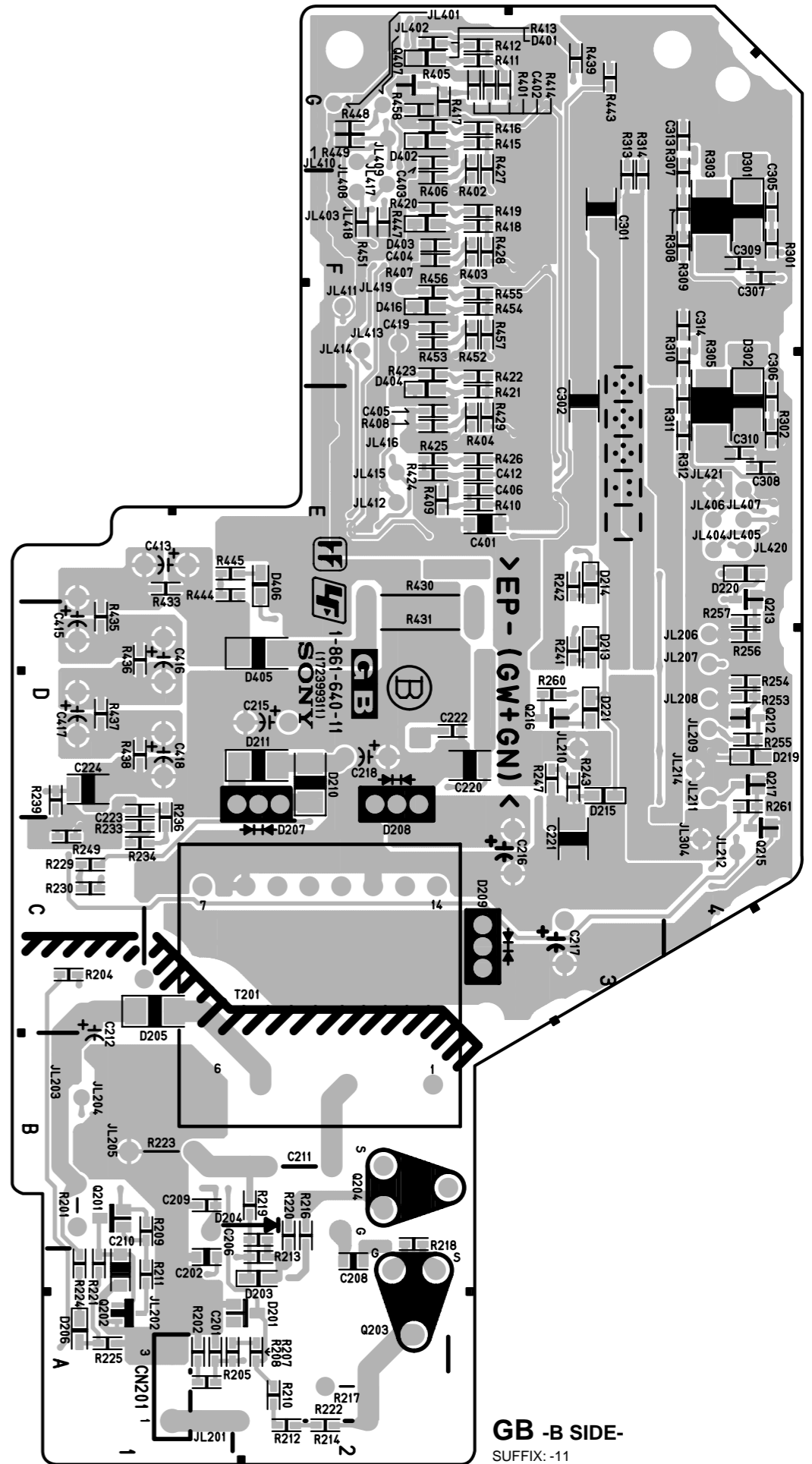
- \* : B SIDE
- D201 \* A-2
  - D202 B-1
  - D203 \* A-2
  - D204 B-2
  - D205 \* B-2
  - D206 \* C-1
  - D207 \* A-1
  - D208 \* D-2
  - D209 \* D-2
  - D210 \* D-2
  - D211 \* D-2
  - D212 C-3
  - D213 \* D-3
  - D214 \* E-3
  - D215 \* D-3
  - D216 D-1
  - D217 D-4
  - D218 D-4
  - D219 \* D-4
  - D220 \* E-4
  - D221 \* D-3
  - D301 \* F-4
  - D302 \* F-4
  - D401 \* G-2
  - D402 \* G-2
  - D403 \* F-2
  - D404 \* D-2
  - D405 \* D-2
  - D406 \* E-2
  - D407 F-2
  - D408 F-2
  - D409 E-2
  - D410 E-2
  - D411 E-2
  - D412 F-2
  - D413 G-2
  - D414 F-2
  - D415 E-2
  - D416 \* F-2
- 
- IC201 A-2
  - IC202 C-1
  - IC203 D-1
  - IC301 F-4
  - IC302 E-4
  - IC401 G-3
  - IC402 G-3
  - IC403 F-3
  - IC404 F-3
  - IC405 E-3
  - IC406 G-3
  - IC407 E-3
  - IC408 F-3
  - IC409 F-3
- 
- PH201 C-1
  - PH202 C-1
- 
- Q201 \* B-1
  - Q202 \* A-1
  - Q203 A-2
  - Q204 \* A-2
  - Q205 B-2
  - Q206 \* B-2
  - Q207 C-4
  - Q208 D-4
  - Q209 C-1
  - Q210 D-3
  - Q211 D-4
  - Q212 \* D-4
  - Q213 \* D-4
  - Q214 D-3
  - Q215 \* C-4
  - Q216 \* D-3
  - Q217 \* D-4
  - Q301 F-4
  - Q302 E-4
  - Q401 G-3
  - Q402 G-3
  - Q403 E-2
  - Q404 E-4
  - Q405 G-2
  - Q406 F-2
  - Q407 \* G-2



**GB -A SIDE-**  
SUFFIX: -11

6-38

GB GB

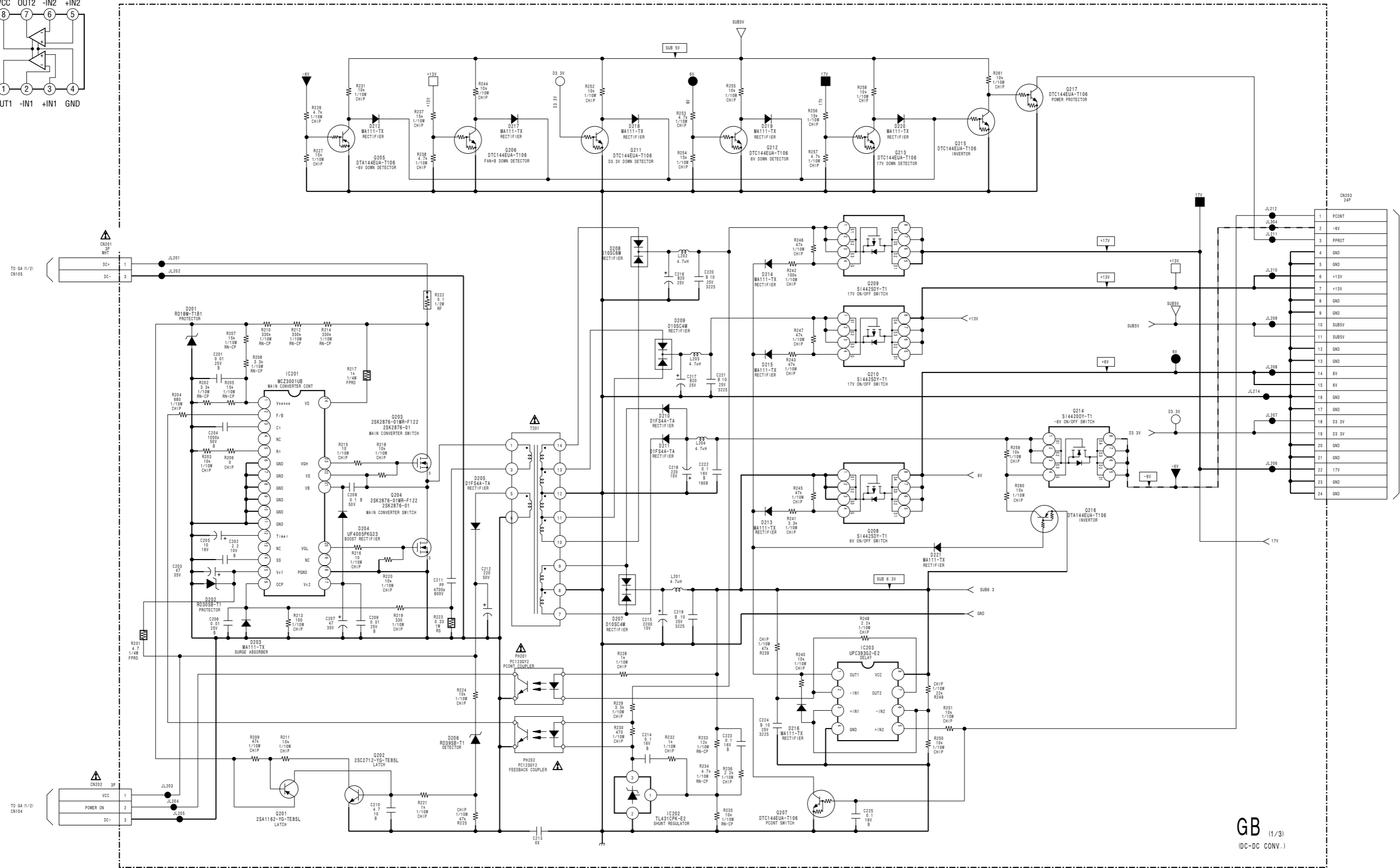
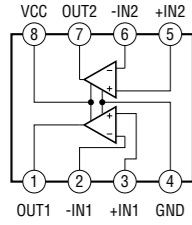


**GB -B SIDE-**  
SUFFIX: -11

6-38

VPL-CX85

GB uPC393G2-E2 (IC203)



GB (1/3)  
IDC-DC CONV.

B-SX1768-GB-P1

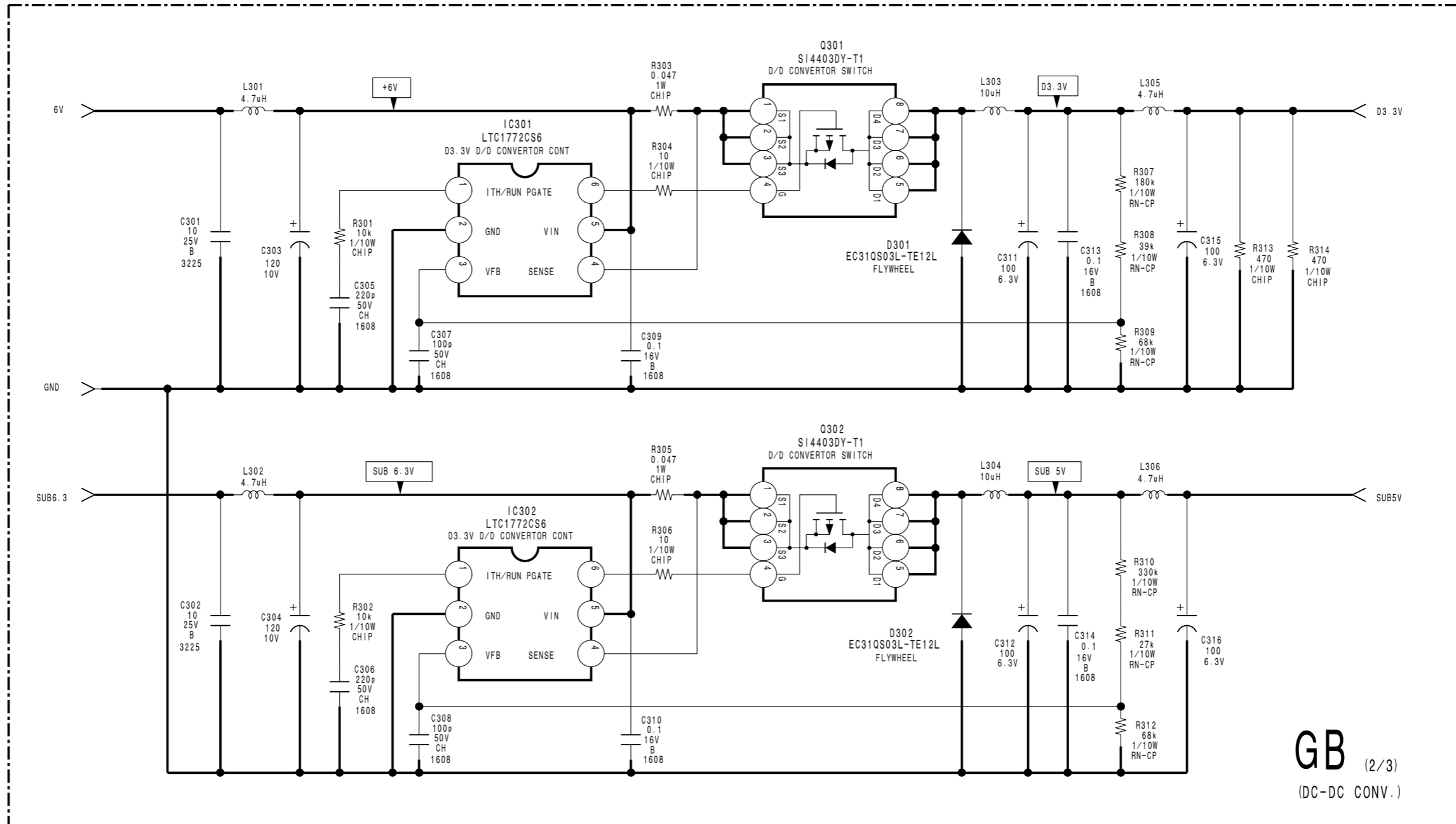
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**GB** (2/3)  
(DC-DC CONV.)

B-SX1768-GB-P2

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A

B

C

D

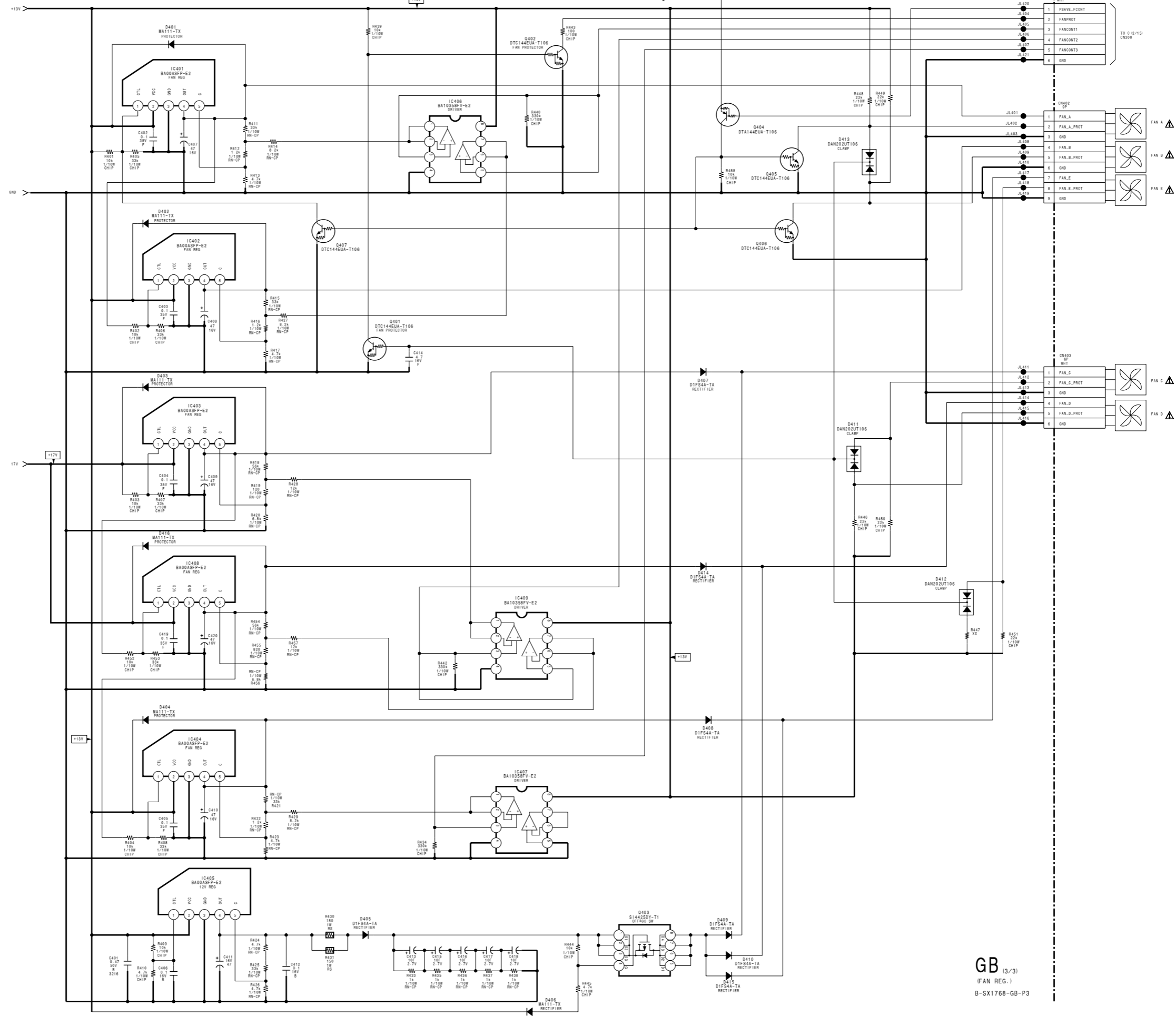
E

F

G

H





GB (3/3)  
 (FAN REG.)  
 B-SX1768-GB-P3

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2  
3  
4  
5



## SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer :

Check the metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

### LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA. Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

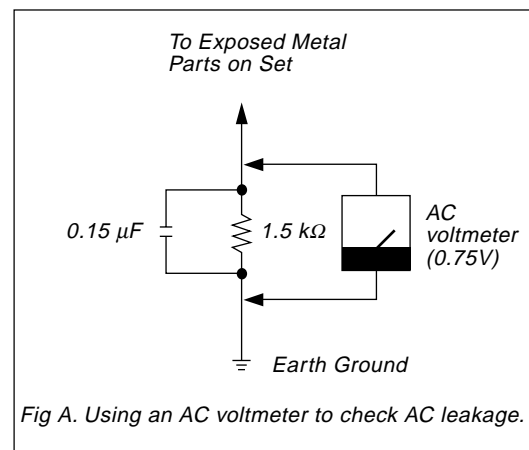


Fig A. Using an AC voltmeter to check AC leakage.

