

**SONY**<sup>®</sup>

DATA PROJECTOR

**VPL-FHZ55**  
**VPL-F420HZ**

REMOTE COMMANDER  
**RM-PJ19**

**HDMI**

SERVICE MANUAL  
1st Edition (Revised 1)

## **⚠ 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.

### **警告**

万一、異常が起きた際に、お客様が電源を切ることができるように、設置の際には、機器近くの固定配線内に専用遮断装置を設けるか、機器使用中に、容易に抜き差しできるコンセントに電源プラグを接続してください。

### **WARNING**

When installing the unit, incorporate a readily accessible disconnect device in the fixed wiring, or connect the power cord to a socket-outlet which must be provided near the unit and easily accessible, so that the user can turn off the power in case a fault should occur.

### **WARNUNG**

Beim Einbau des Geräts ist daher im Festkabel ein leicht zugänglicher Unterbrecher einzufügen, oder das Netzkabel muß mit einer in der Nähe des Geräts befindlichen, leicht zugänglichen Wandsteckdose verbunden werden, damit sich bei einer Funktionsstörung die Stromversorgung zum Gerät jederzeit unterbrechen läßt.

安全のために、周辺機器を接続する際は、過大電圧を持つ可能性があるコネクタを以下のポートに接続しないでください。

: LAN コネクタ

上記のポートについては本書の指示に従ってください。

For safety, do not connect the connector for peripheral device wiring that might have excessive voltage to the following port.

: LAN connector

Follow the instructions for the above port.

### **VPL-FHZ55**

#### **For kundene i Norge**

Dette utstyret kan kobles til et IT-strømfordelingssystem.

### CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

### GEFAHR

Bei geöffnetem Laufwerk und beschädigter oder deaktivierter Verriegelung tritt ein unsichtbarer Laserstrahl aus. Direkter Kontakt mit dem Laserstrahl ist unbedingt zu vermeiden.

### 注意

ここで指定した以外の手順で管理や調整、あるいは操作を行うと、危険なレーザー放射に晒される場合があります。

LASER RADIATION IEC60825-1:2007  
DO NOT STARE INTO BEAM  
CLASS 2 LASER PRODUCT WAVE LENGTH: 440-455nm MAX OUTPUT < 64.7mW  
LASERSTRÅLNING  
TITTA INTE I STRÅLEN  
LASERPRODUKT KLASS 2 VÅGLÅNGD: 440-455nm MAX UTEFFEKT < 64.7mW  
レーザー放射 JIS C6802:2005  
ビームをのぞき込まないこと  
クラス 2 レーザ製品 波長: 440-455nm 最大出力 < 64.7mW 4-468-000-01



The WARNING label is located on the Top panel.  
This Data Projector is classified as a CLASS 2 LASER PRODUCT.  
The CLASS 2 LASER PRODUCT label is located on the right side Base unit.

警告ラベルは上部パネルに貼られています。  
本機は、CLASS 2 LASER PRODUCT に分類されます。CLASS 2 LASER PRODUCT ラベルは、本機右側面のベースユニットに貼られています。

Denna etikett är placerad på dataprojektorns övre panel.  
Denna dataprojektor är klassificerad som en LASERPRODUKT AV KLASS 2.  
Etiketten LASERPRODUKT AV KLASS 2 finns på dataprojektorns högra sida.

### 注意

指定以外の電池に交換すると、破裂する危険があります。  
必ず指定の電池に交換してください。  
使用済みの電池は、国または地域の法令に従って  
処理してください。

### CAUTION

Danger of explosion if battery is incorrectly replaced.  
Replace only with the same or equivalent type recommended by the manufacturer.  
When you dispose of the battery, you must obey the law in the relative area or country.

### ATTENTION

Il y a danger d'explosion s'il y a remplacement incorrect de la batterie. Remplacer uniquement avec une batterie du même type ou d'un type équivalent recommandé par le constructeur.  
Lorsque vous mettez la batterie au rebut, vous devez respecter la législation en vigueur dans le pays ou la région où vous vous trouvez.

### VORSICHT

Explosionsgefahr bei Verwendung falscher Batterien. Batterien nur durch den vom Hersteller empfohlenen oder einen gleichwertigen Typ ersetzen.  
Wenn Sie die Batterie entsorgen, müssen Sie die Gesetze der jeweiligen Region und des jeweiligen Landes befolgen.

### FÖRSIKTIGHET!

Fara för explosion vid felaktigt placerat batteri.  
Byt endast mot samma eller likvärdig typ av batteri, enligt tillverkarens rekommendationer.  
När du kasserar batteriet ska du följa rådande lagar för regionen eller landet.

### PAS PÅ

Fare for eksplosion, hvis batteriet ikke udskiftes korrekt.  
Udskift kun med et batteri af samme eller tilsvarende type, som er anbefalet af fabrikanten.  
Når du bortskaffer batteriet, skal du følge lovgivningen i det pågældende område eller land.

### HUOMIO

Räjähdysvaara, jos akku vaihdetaan virheellisesti.  
Vaihda vain samanlaiseen tai vastaavantyyppiseen, valmistajan suosittelemaan akkuun.  
Noudata akun hävittämisessä oman maasi tai alueesi lakeja.

### FORSIKTIG

Ekspløsjonsfare hvis feil type batteri settes i.  
Bytt ut kun med samme type eller tilsvarende anbefalt av produsenten.  
Kasser batteriet i henhold til gjeldende avfallsregler.

### 注意

如果更换的电池不正确，就会有爆炸的危险。  
只更换同一类型或制造商推荐的电池型号。  
处理电池时，必须遵守相关地区或国家的法律。

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# Manual Structure

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## Purpose of this manual

This manual is the Service Manual of the Data Projector VPL-FHZ55/F420HZ. This manual contains the service overview, adjustments, spare parts, block diagrams, schematic diagrams and board layouts.

The service of the SA and SB boards on this unit are basically performed by the replacement of board.

Therefore, the schematic diagrams, board layouts and electrical parts list of the SA and SB boards are not contained.

It is required to replace the LA and LB boards as a laser unit assembly LEO because they cannot be replaced as an individual mount board or a mount part. Therefore, the schematic diagrams, board layouts and electrical parts list of the LA and LB boards are not contained.

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## Related manuals

In addition to this Service Manual, the following manuals are provided.

- **Operating Instructions (supplied with unit)**

This manual is necessary for application and operation of this unit.

- **Protocol Manual (available on request)**

This manual describes the protocol for controlling this unit.

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## Trademarks

Trademarks and registered trademarks used in this manual are as follows.

- Internet Explorer is a registered trademarks of Microsoft Corporation in the United States and Other countries.

Other system names, product names, and company names appearing in this manual are trademarks or registered trademarks of their respective holders.





# Section 1

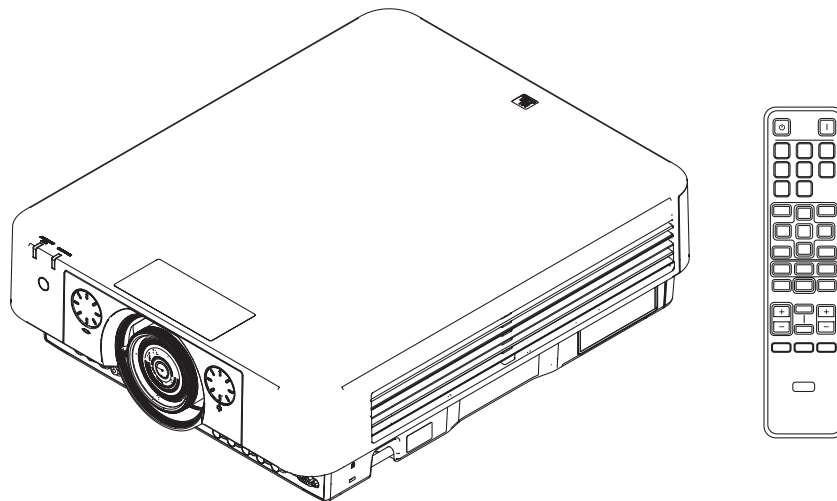
## Service Overview

### 1-1. Precautions for Service Personnel

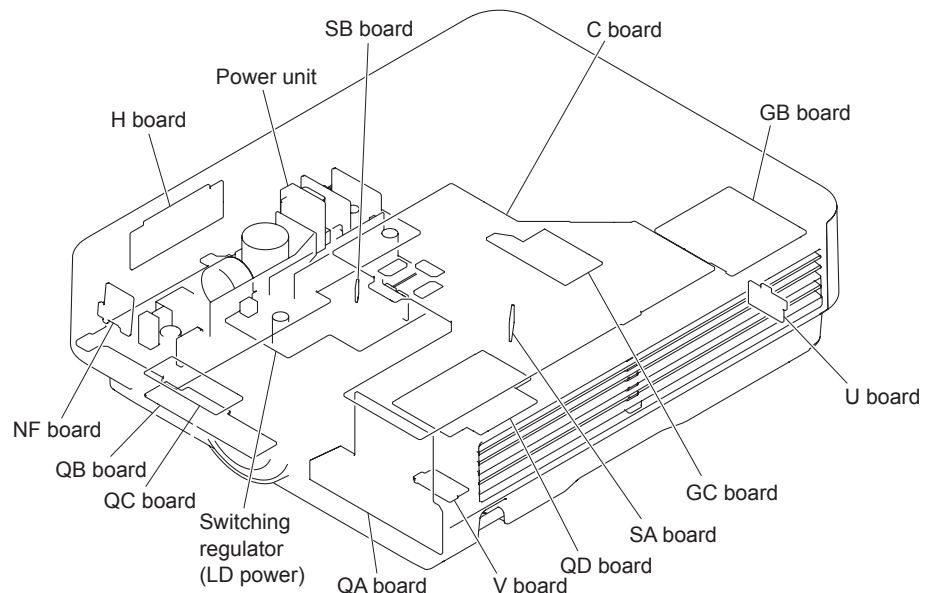
- The laser diode is used as a light source of this unit.  
Never allow the light source to emit light with the cabinet removed.  
Otherwise, it may cause damage to eyes or skin.
- Do not remove the lens when the set is lighting.  
Otherwise, it may cause damage to eyes or skin.
- Do not release the protection switch with the cabinet removed.  
Otherwise, the light source may suddenly start emitting light, causing damage to eyes or skin.
- In order to avoid inappropriate use of the laser diode, do not disassemble the laser unit assembly LEO.

### 1-2. Appearance Figure/Board Locations

#### Appearance Figure



#### Board Locations



### 1-3. Tighten Torque

Tighten the each screw with the torque below.

#### Note

When using the torque driver with the notation of cN•m, interpret it as follows.

Example: 0.8 N•m = 80 cN•m

• B2 × 5:	0.19 ±0.03 N•m (1.94 ±0.31 kgf•cm)
• B3 × 6:	0.53 $^{+0.07}_{-0.06}$ N•m (5.40 $^{+0.71}_{-0.61}$ kgf•cm)
• B3 × 16:	0.80 ±0.12 N•m (8.16 ±1.22 kgf•cm)
• BVTP3 × 8:	0.53 $^{+0.07}_{-0.06}$ N•m (5.40 $^{+0.71}_{-0.61}$ kgf•cm)
• BVTP3 × 10:	0.70 ±0.10 N•m (7.14 ±1.02 kgf•cm)
• BVTP3 × 12:	0.80 ±0.12 N•m (8.16 ±1.22 kgf•cm)
• BVTP3 × 16:	0.80 ±0.12 N•m (8.16 ±1.22 kgf•cm)
• K3 × 6:	0.80 ±0.12 N•m (8.16 ±1.22 kgf•cm)
• PSW3 × 8:	0.80 ±0.12 N•m (8.16 ±1.22 kgf•cm)
• PSW3 × 70:	0.80 ±0.12 N•m (8.16 ±1.22 kgf•cm)
• PSW4 × 8:	1.4 ±0.2 N•m (14.0 ±2.0 kgf•cm)
• PSW5 × 8:	1.4 ±0.2 N•m (14.0 ±2.0 kgf•cm)
• PWH3 × 10:	0.80 ±0.12 N•m (8.16 ±1.22 kgf•cm)
• Step screw:	0.53 $^{+0.07}_{-0.06}$ N•m (5.40 $^{+0.71}_{-0.61}$ kgf•cm)
• Screw (M3) (with stopper):	0.80 ±0.12 N•m (8.16 ±1.22 kgf•cm)
• Lens fixing screw (with stopper):	0.70 ±0.10 N•m (7.14 ±1.02 kgf•cm)
• Screw (with stopper):	0.70 ±0.10 N•m (7.14 ±1.02 kgf•cm)
• Connector screw:	0.53 $^{+0.07}_{-0.06}$ N•m (5.40 $^{+0.71}_{-0.61}$ kgf•cm)

### 1-4. Disassembly

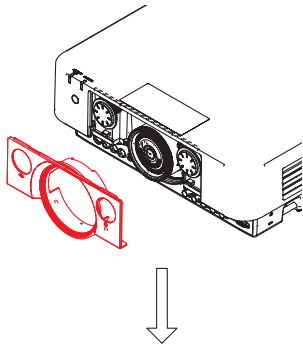
#### Note

- The laser diode is used as a light source of this unit.  
Never allow the light source to emit light with the cabinet removed.  
Otherwise, it may cause damage to eyes or skin.
- Do not remove the lens when the set is lighting.  
Otherwise, it may cause damage to eyes or skin.
- Do not release the protection switch with the cabinet removed.  
Otherwise, the light source may suddenly start emitting light, causing damage to eyes or skin.
- In order to avoid inappropriate use of the laser diode, do not disassemble the laser unit assembly LEO.

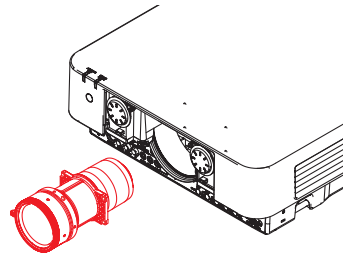
#### Tip

Remove parts in the order of numbers shown in the figure, in this section.

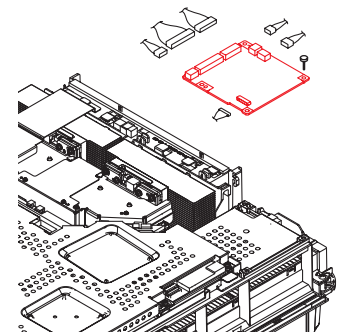
1-4-1. Lens Cover Assembly



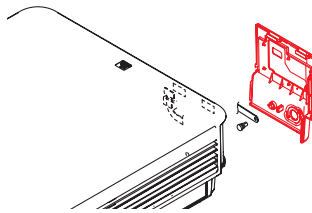
1-4-27. Lens



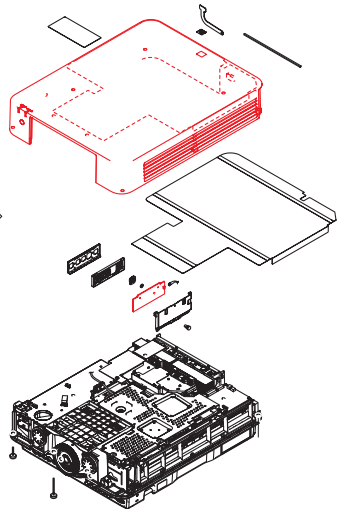
1-4-14. GB Board



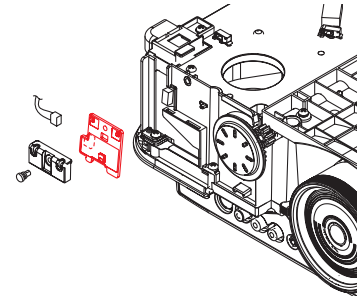
1-4-2. Filter Cover Assembly



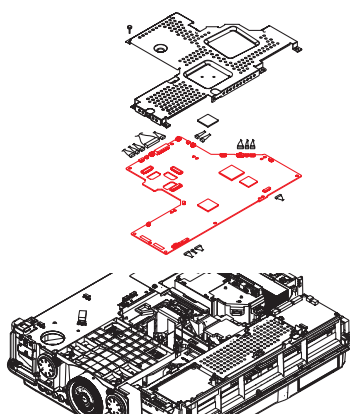
1-4-3. Top Panel Assembly and H Board



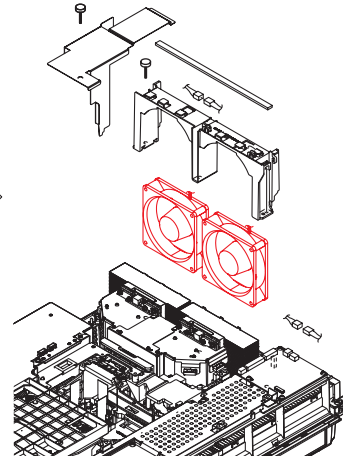
1-4-20. NF Board



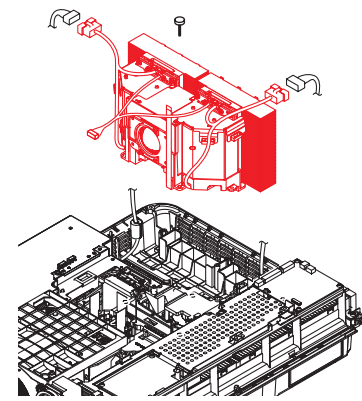
1-4-4. C Board



1-4-5. DC Fan (For Exhaust)

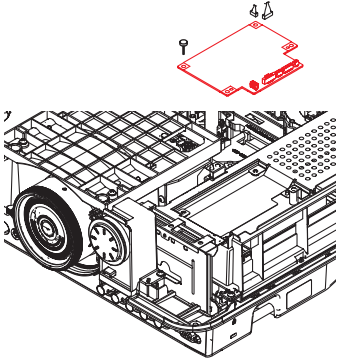


1-4-6. Laser Unit Assembly LEO



(A)

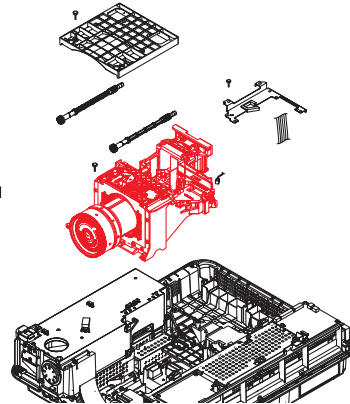
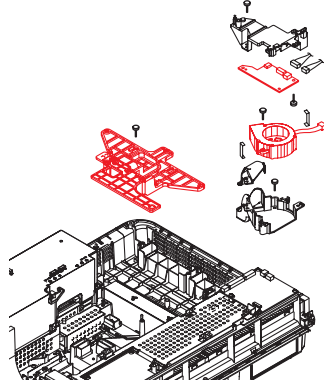
1-4-15. QD Board



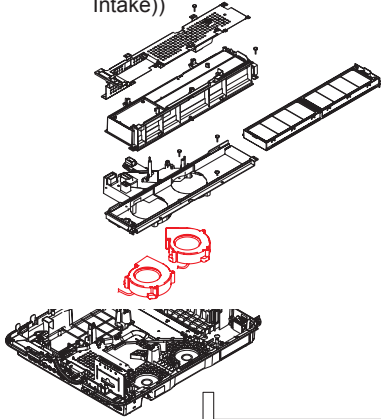
(B)

1-4-8. GC Board, DC Fan (For Wheel), and OPT-UNIT Base (A)/(B)

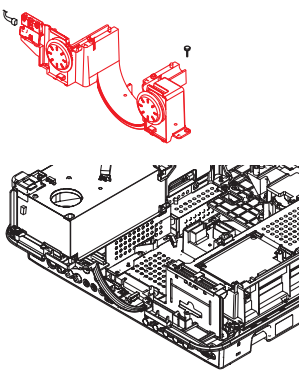
1-4-7. Optics Unit Assembly LEO



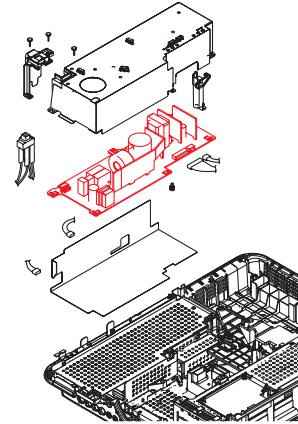
1-4-16. DC Fan (Panel R/B and Panel G (For Intake))



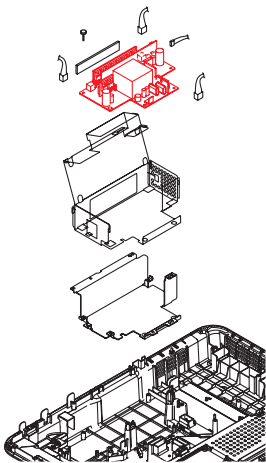
1-4-9. Gear Block



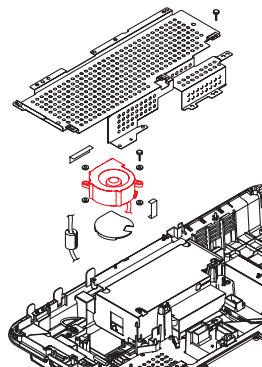
1-4-10. Power Unit



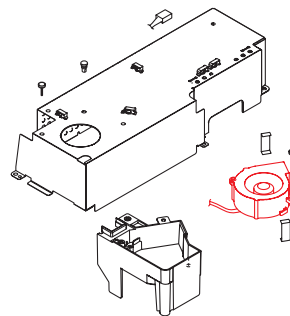
1-4-13. Switching Regulator (LD Power)



1-4-12. DC Fan (Switching Regulator (For Power))



1-4-11. DC Fan (For Power Unit)

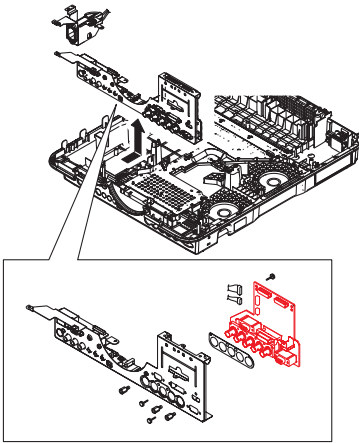


(C)

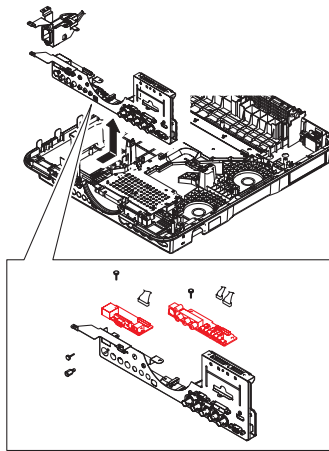
(D)

C

1-4-17. QA Board

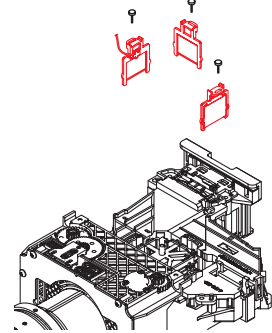


1-4-18. QB Board and QC Board

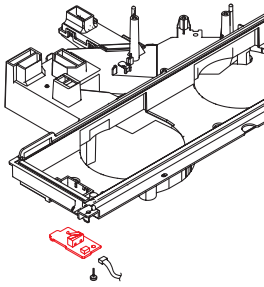


D

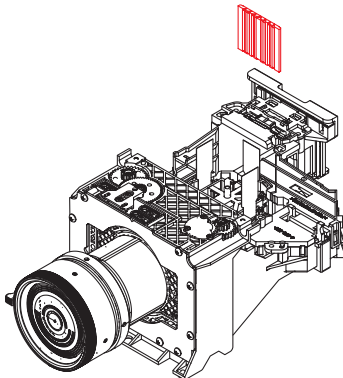
1-4-22. In-polarizer (R)/(G)/(B) Assembly



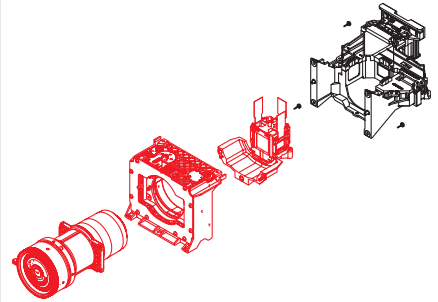
1-4-19. V Board



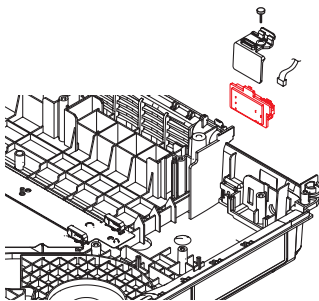
1-4-23. PS Assembly (P/S Converter)



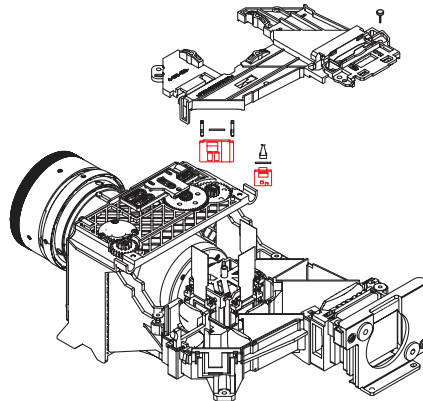
1-4-24. Shift and Prism Block Assembly



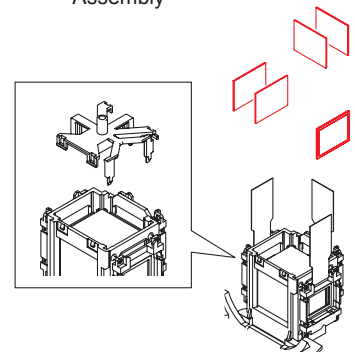
1-4-21. U Board



1-4-26. SA Board and SB Board



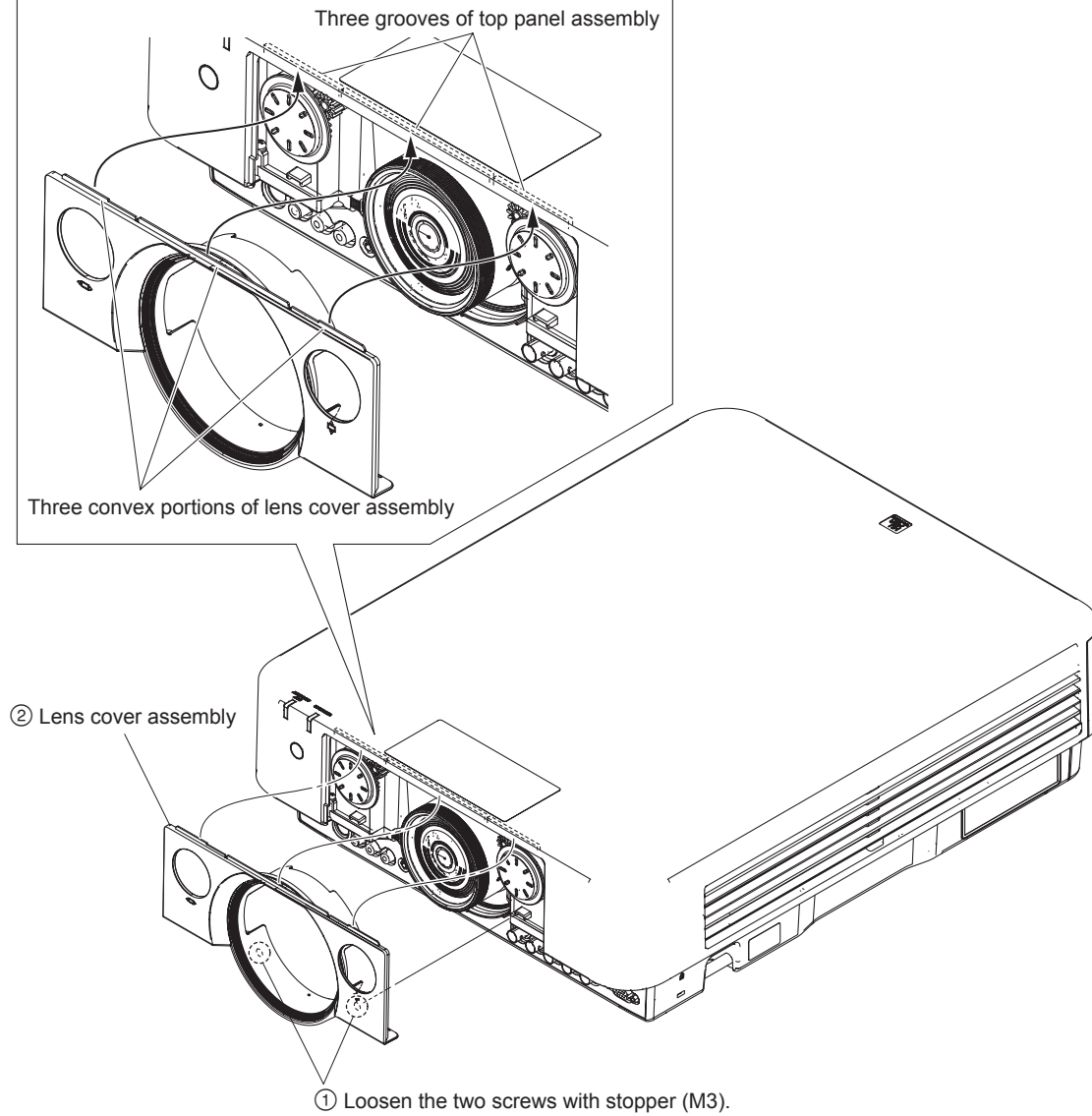
1-4-25. Out-polarizer (R)/(G)/(B) Assembly and Out-pre-polarizer (R)/(G)/(B) Assembly



## 1-4-1. Lens Cover Assembly

**Note**

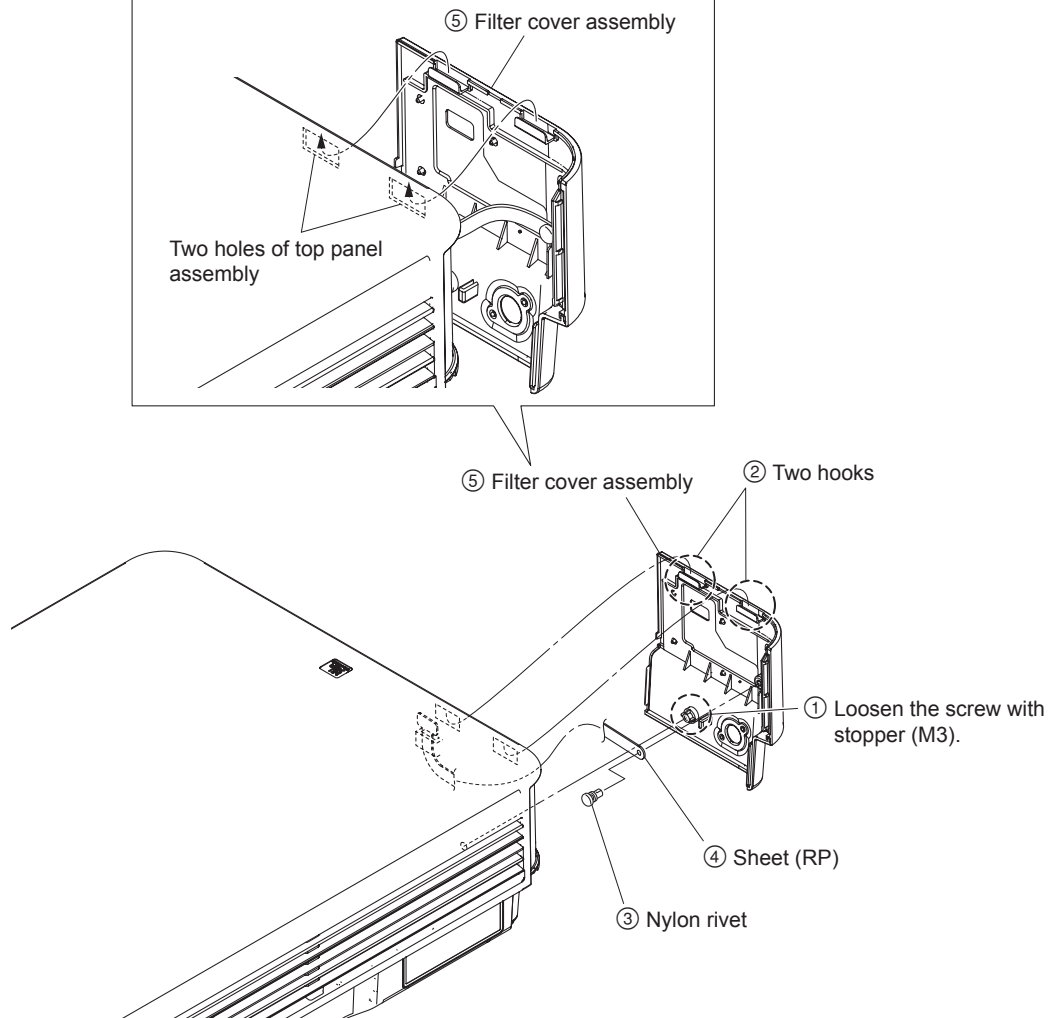
When attaching the lens cover assembly, securely insert the three convex portions of the lens cover assembly into the three grooves of the top panel assembly.



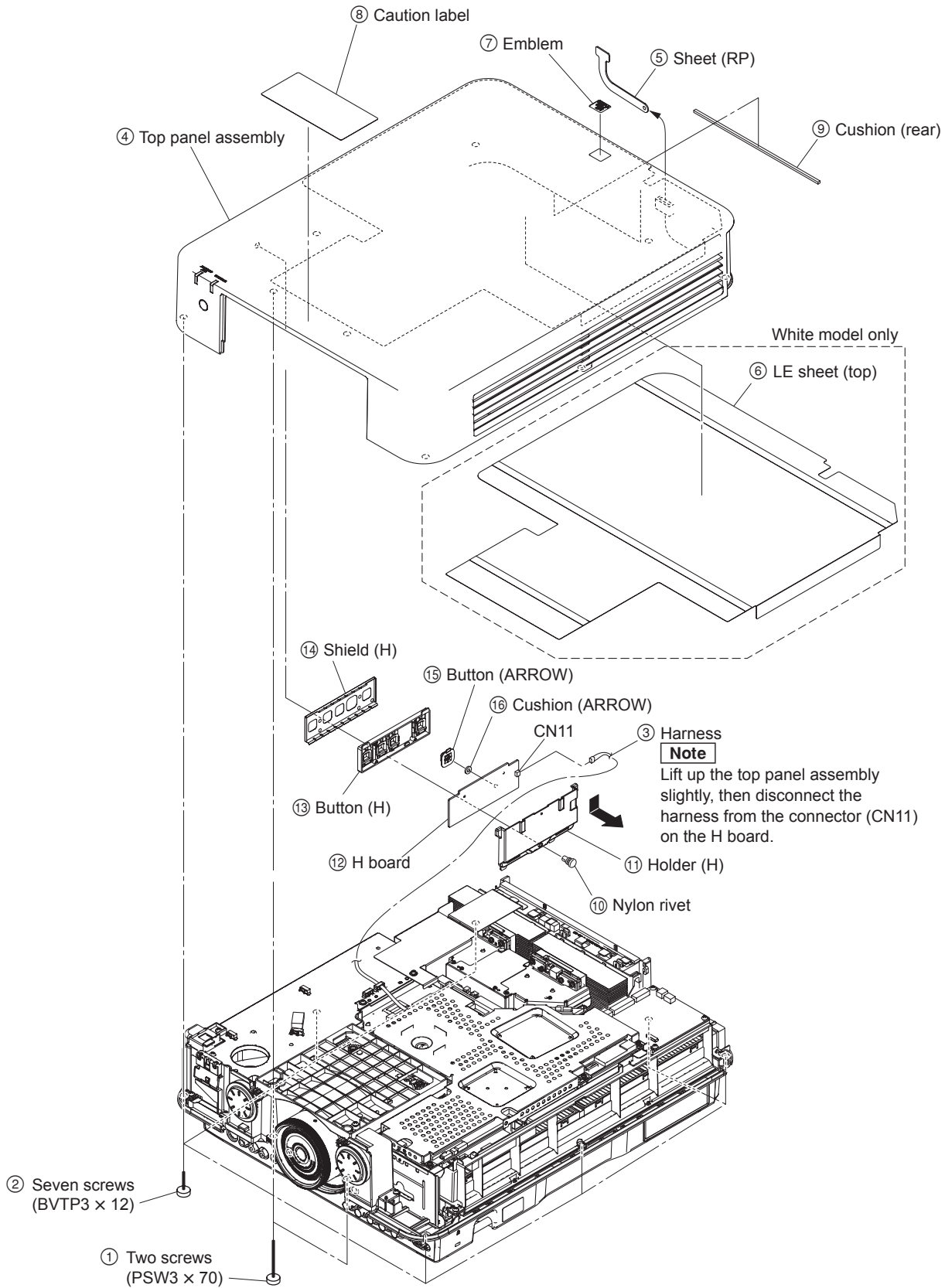
## 1-4-2. Filter Cover Assembly

**Note**

When attaching the filter cover assembly, securely insert the two hooks into the two holes of the top panel assembly.



### 1-4-3. Top Panel Assembly and H Board

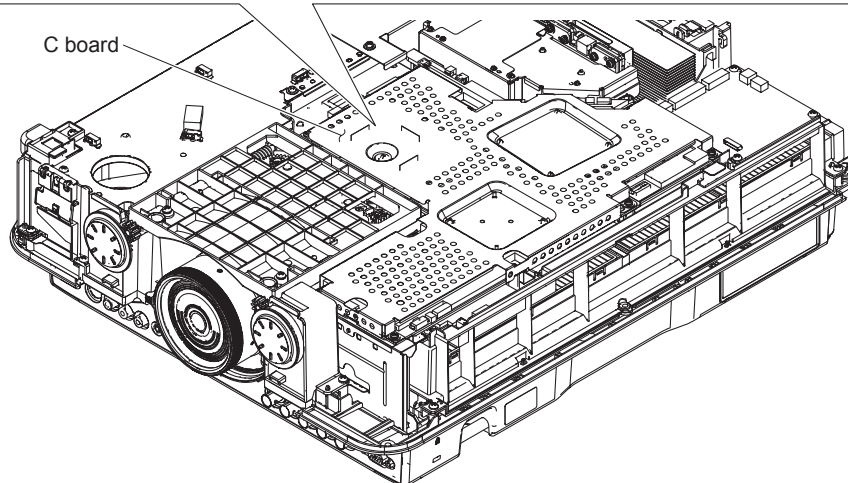
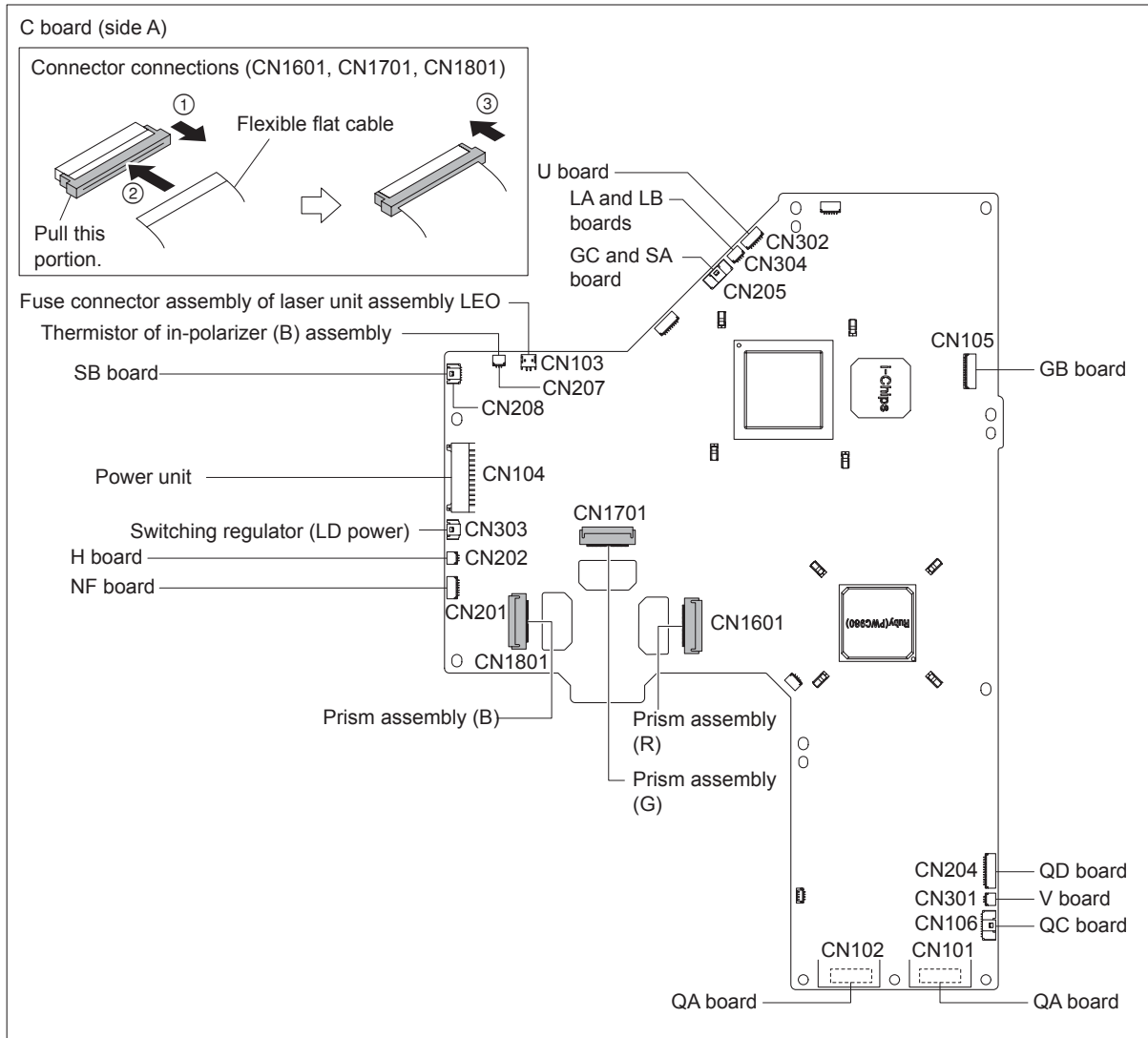


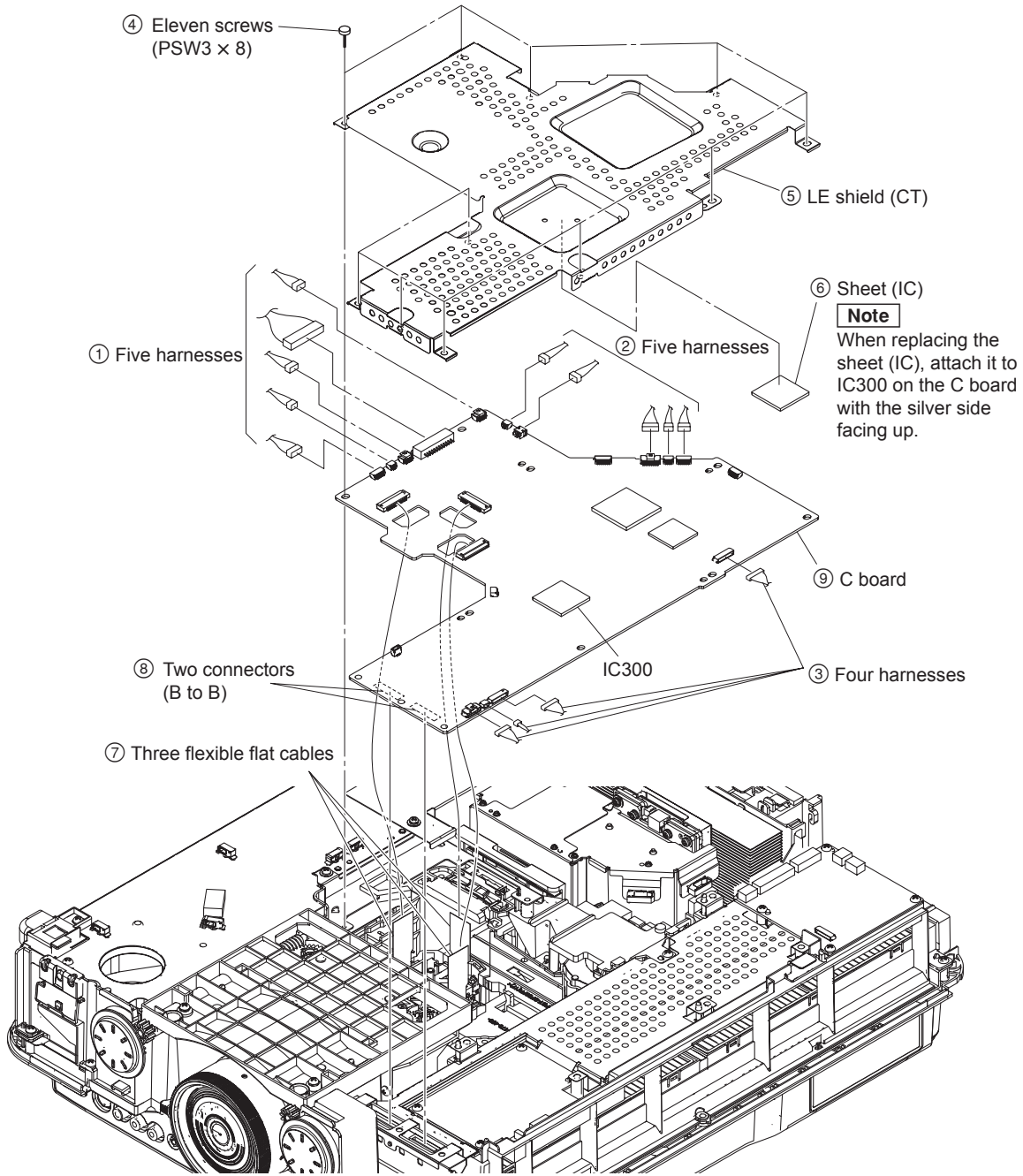


## 1-4-4. C Board

### Note

When replacing the C board, perform the procedure before and after replacement.  
(Refer to Section 2-1-2.)

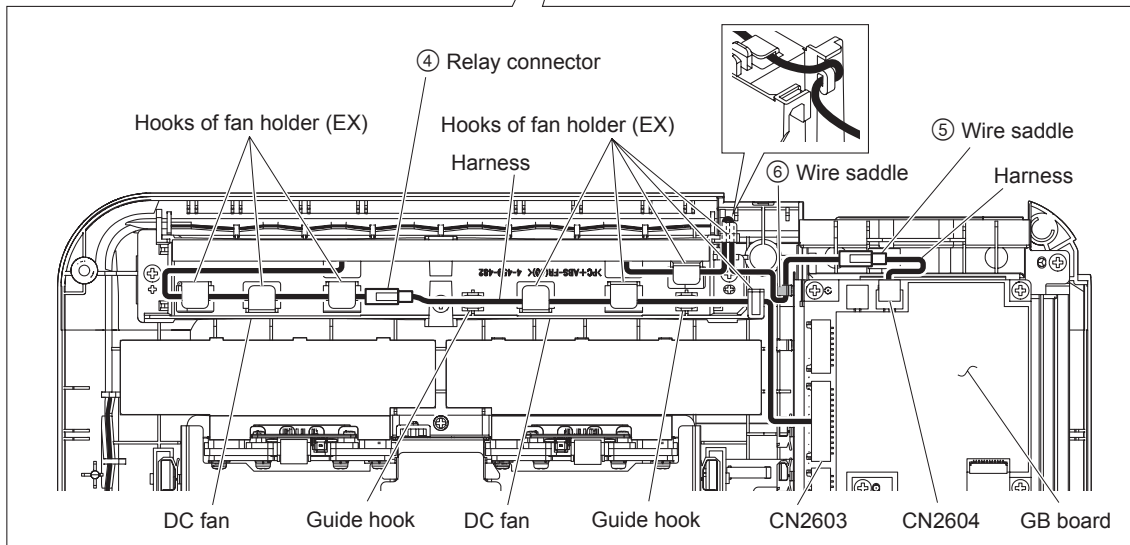
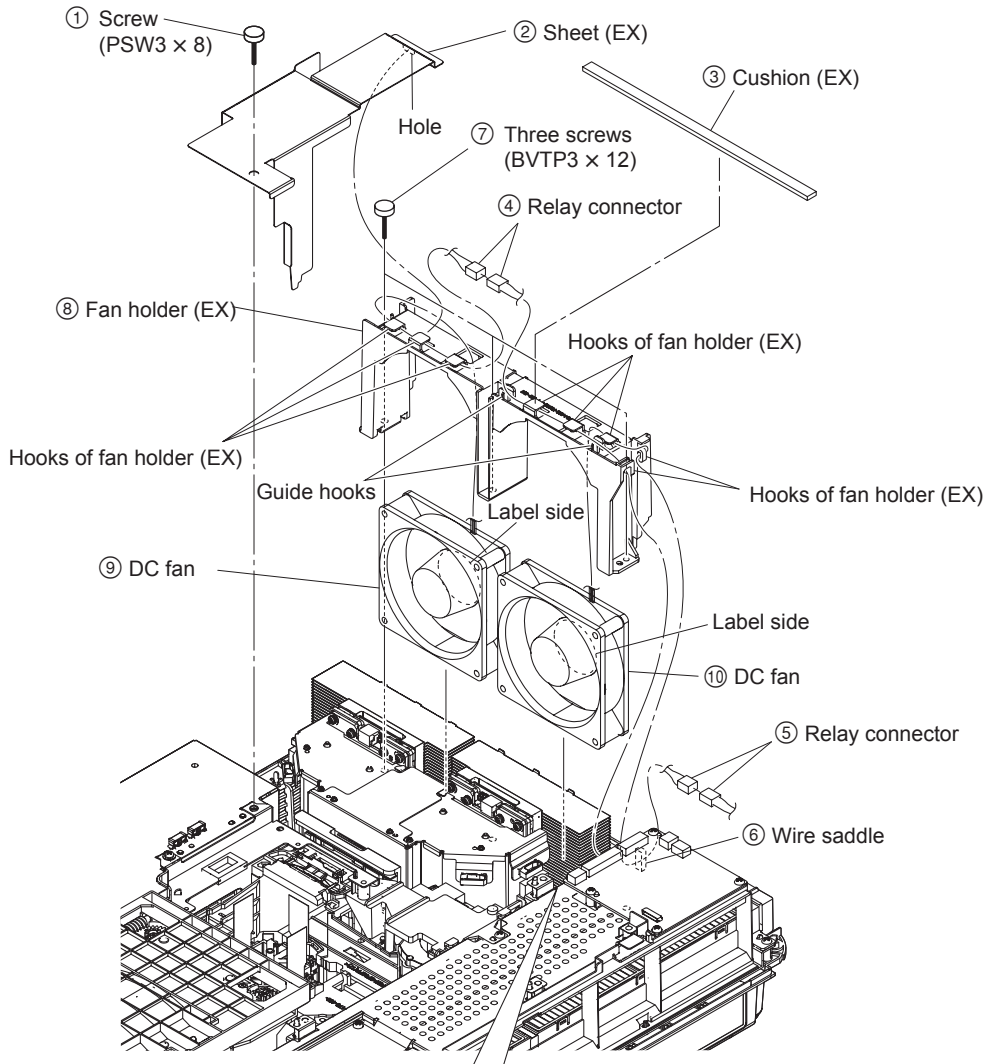




### 1-4-5. DC Fan (For Exhaust)

**Note**

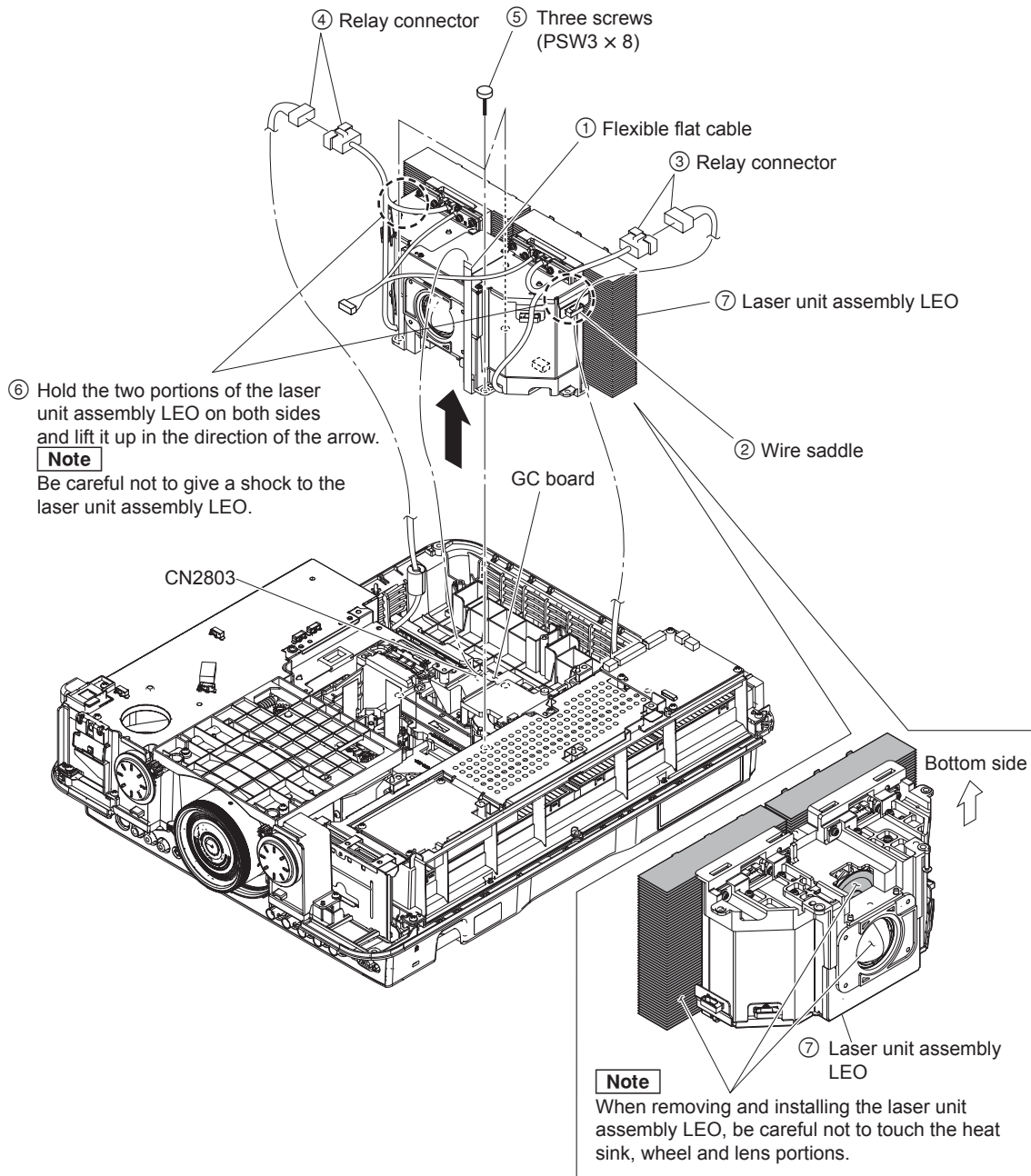
When attaching the DC fans, place them with the label side facing the direction as shown in the illustration.

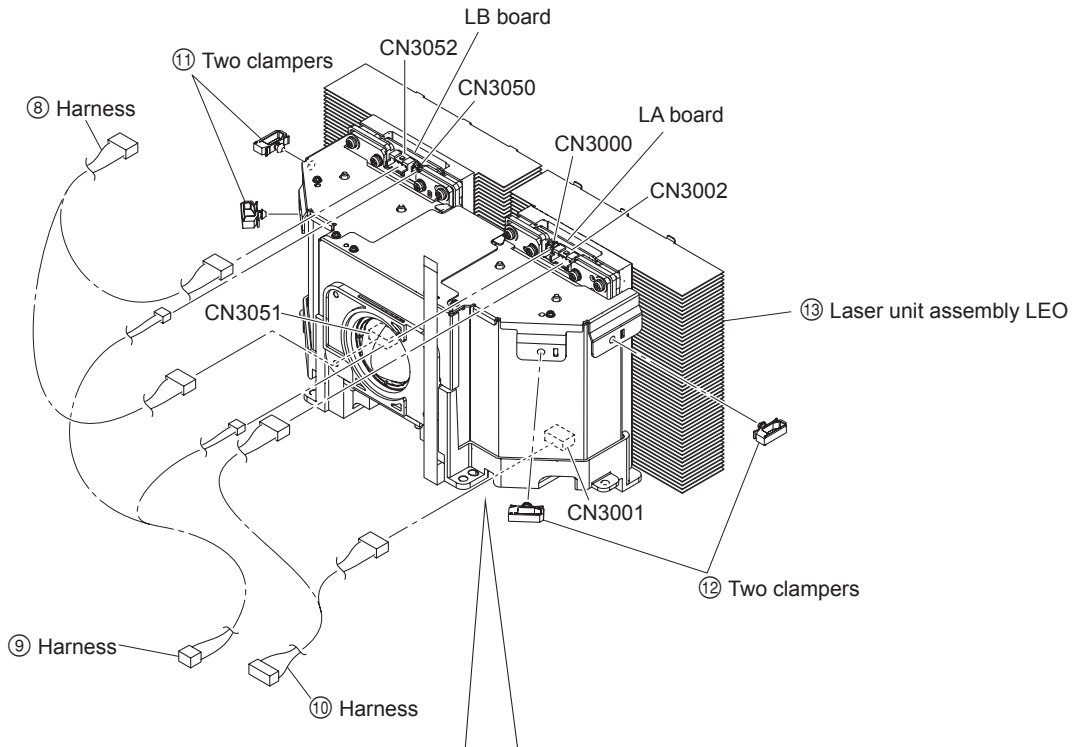


## 1-4-6. Laser Unit Assembly LEO

### Note

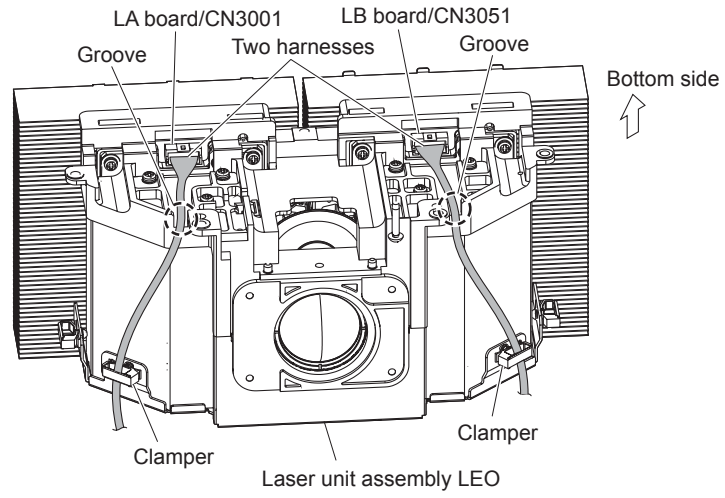
- Never disassemble the laser unit assembly LEO.
- When replacing the laser unit assembly LEO, perform the procedure after replacement.  
(Refer to Section 2-1-3.)





**Note**

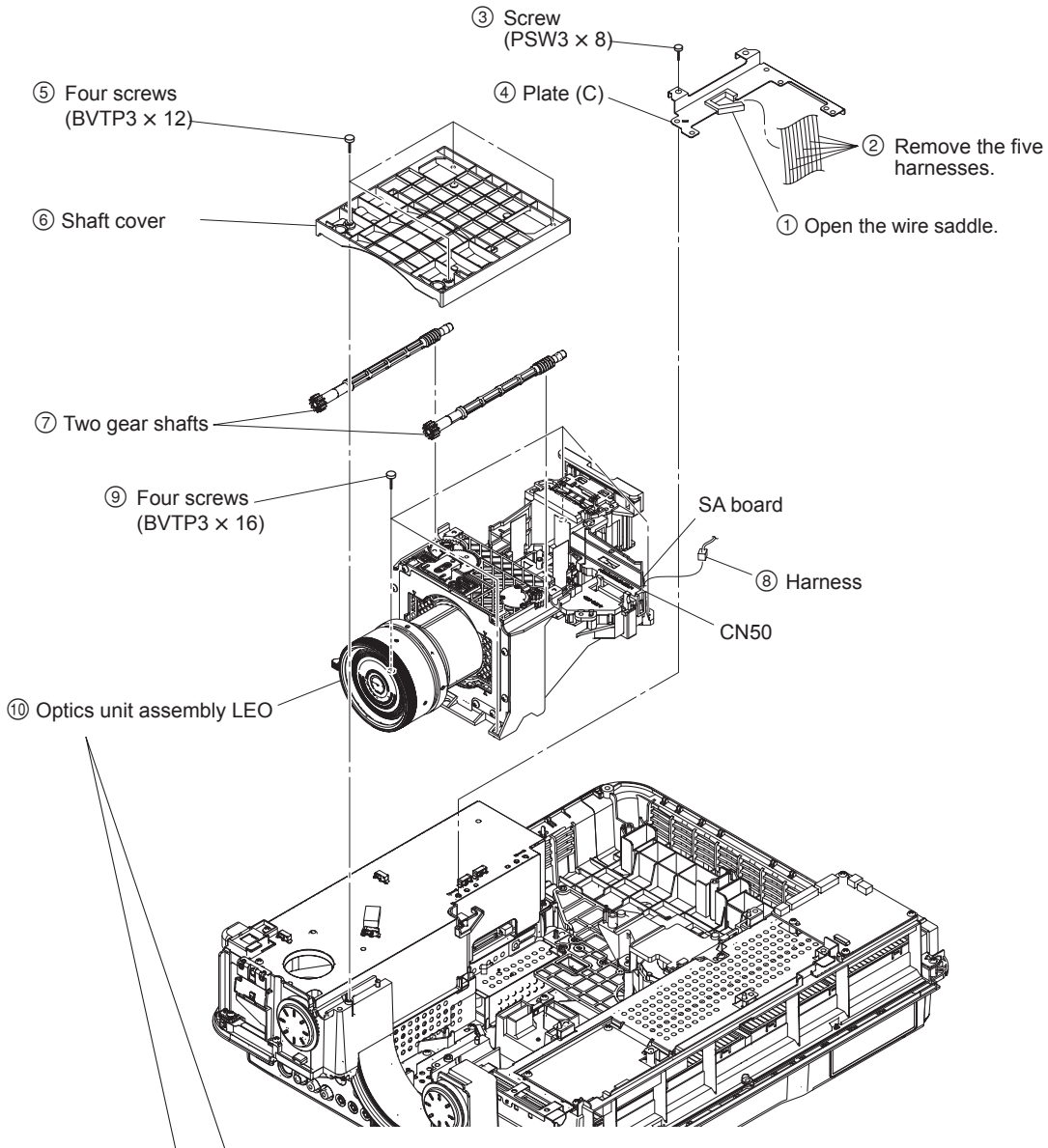
When attaching the laser unit assembly LEO, be sure to pass the harnesses through the grooves and clamp them to prevent the harnesses from getting caught.



## 1-4-7. Optics Unit Assembly LEO

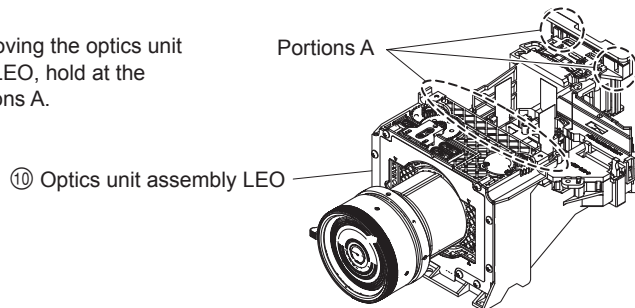
### Note

When replacing the optics unit assembly LEO, perform the procedure after replacement.  
(Refer to Section 2-1-1.)



### Note

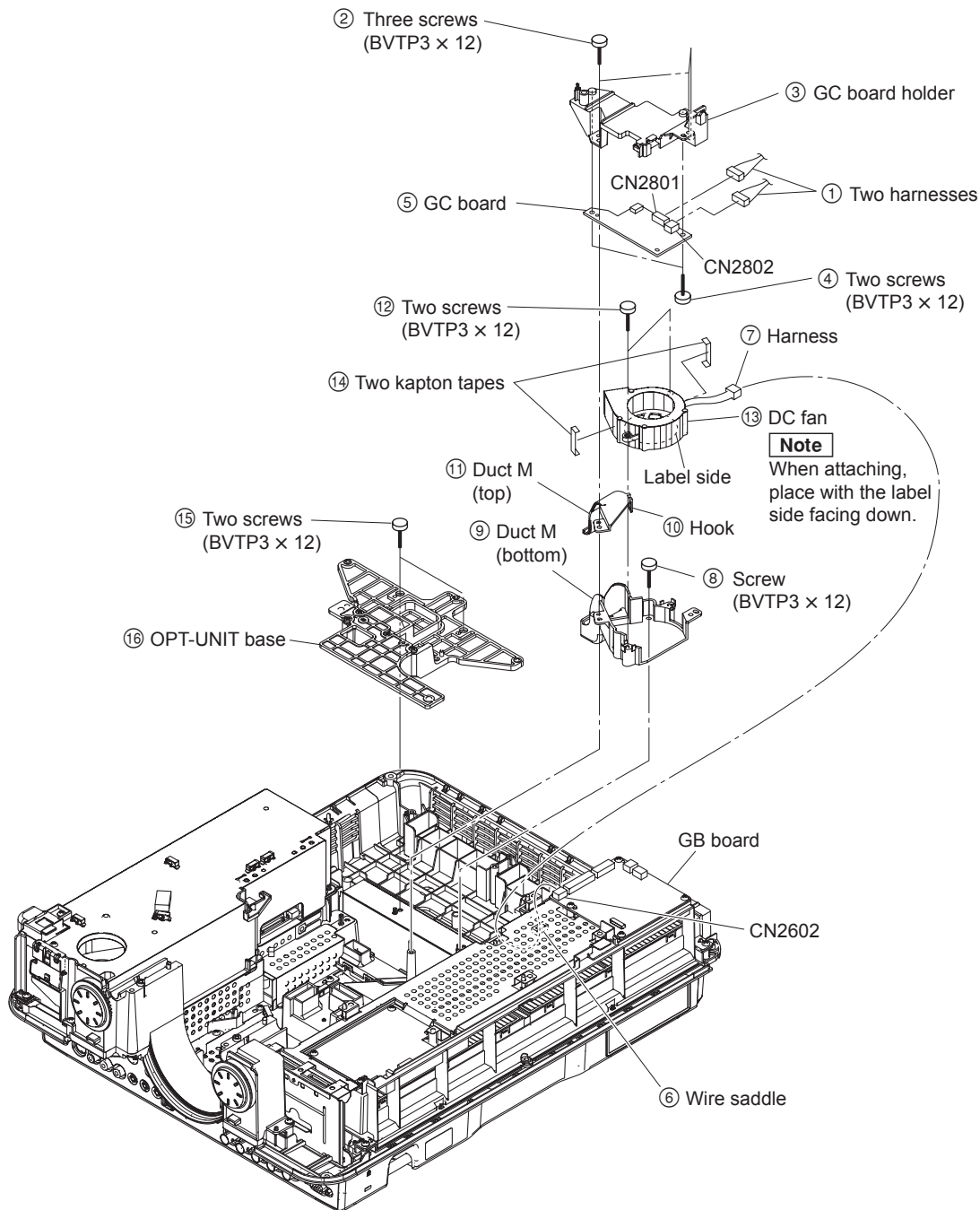
When removing the optics unit assembly LEO, hold at the three portions A.



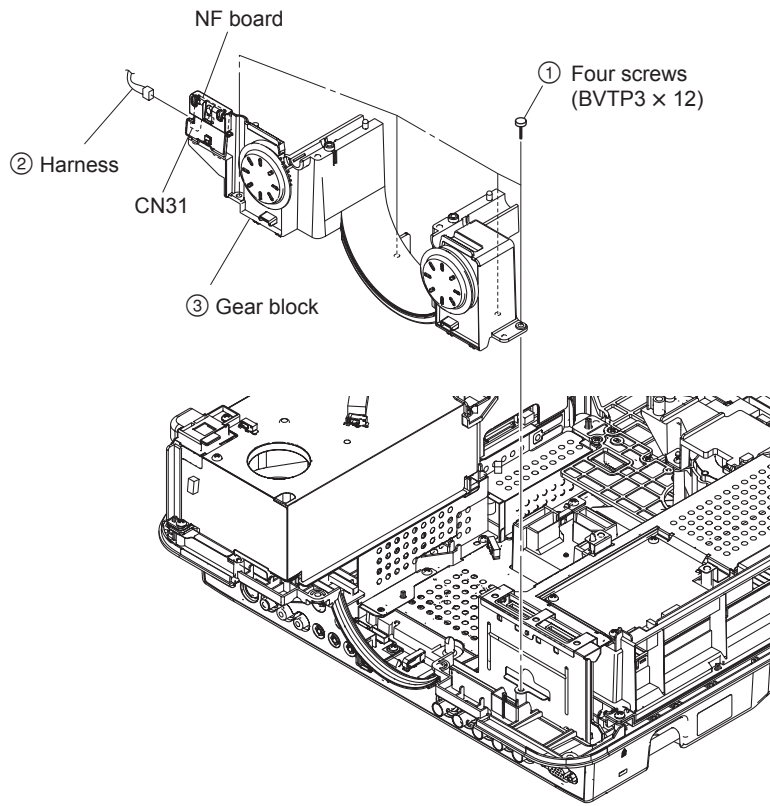
## 1-4-8. GC Board, DC Fan (For Wheel), and OPT-UNIT Base (A)/(B)

### Note

When replacing the DC fan, replace the kapton tapes (commercially supplied) with the new one at once.

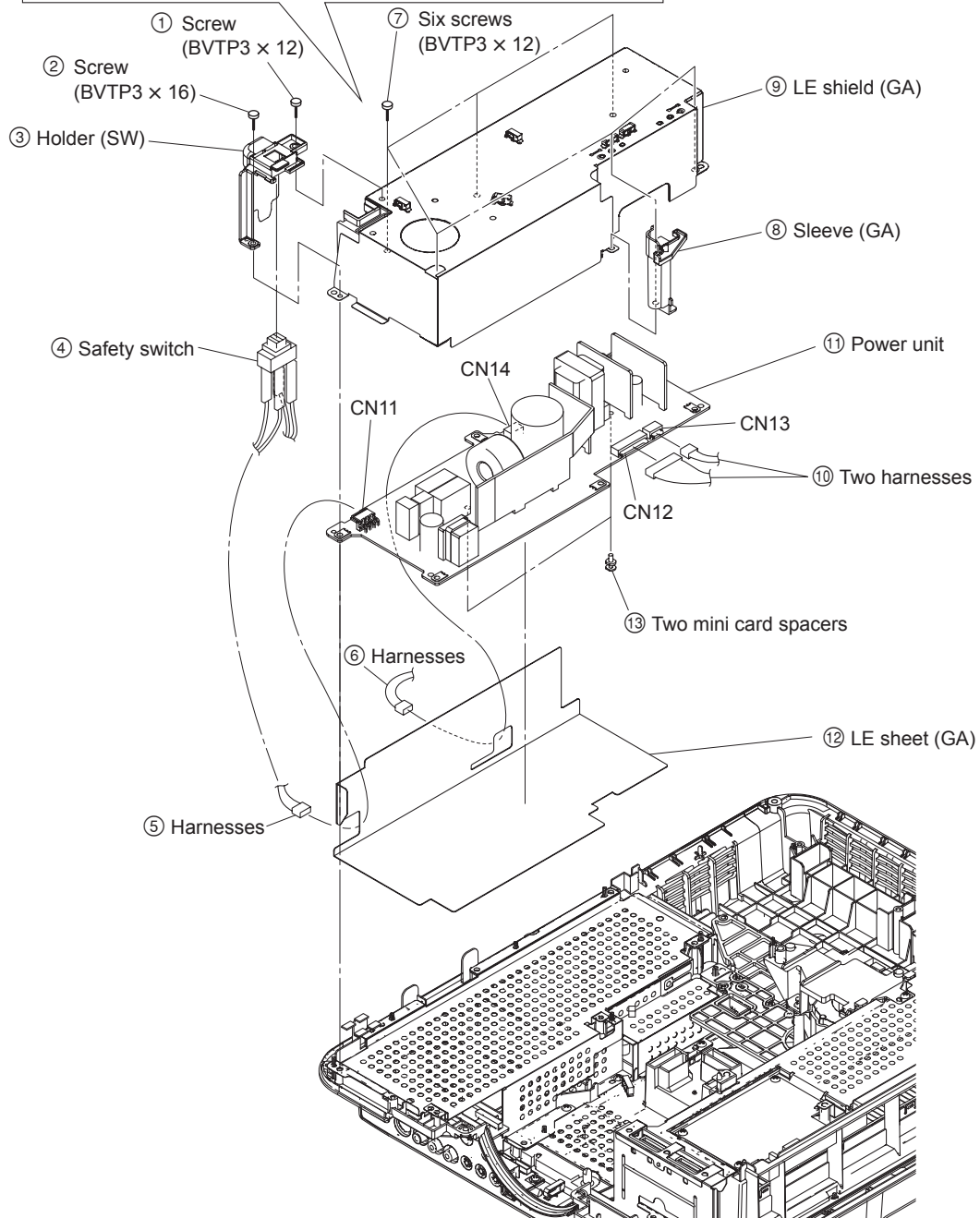
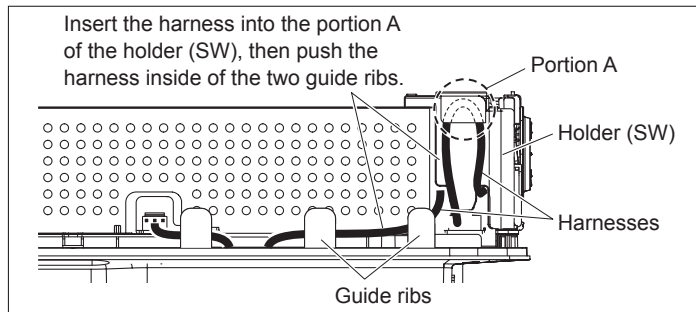


## 1-4-9. Gear Block





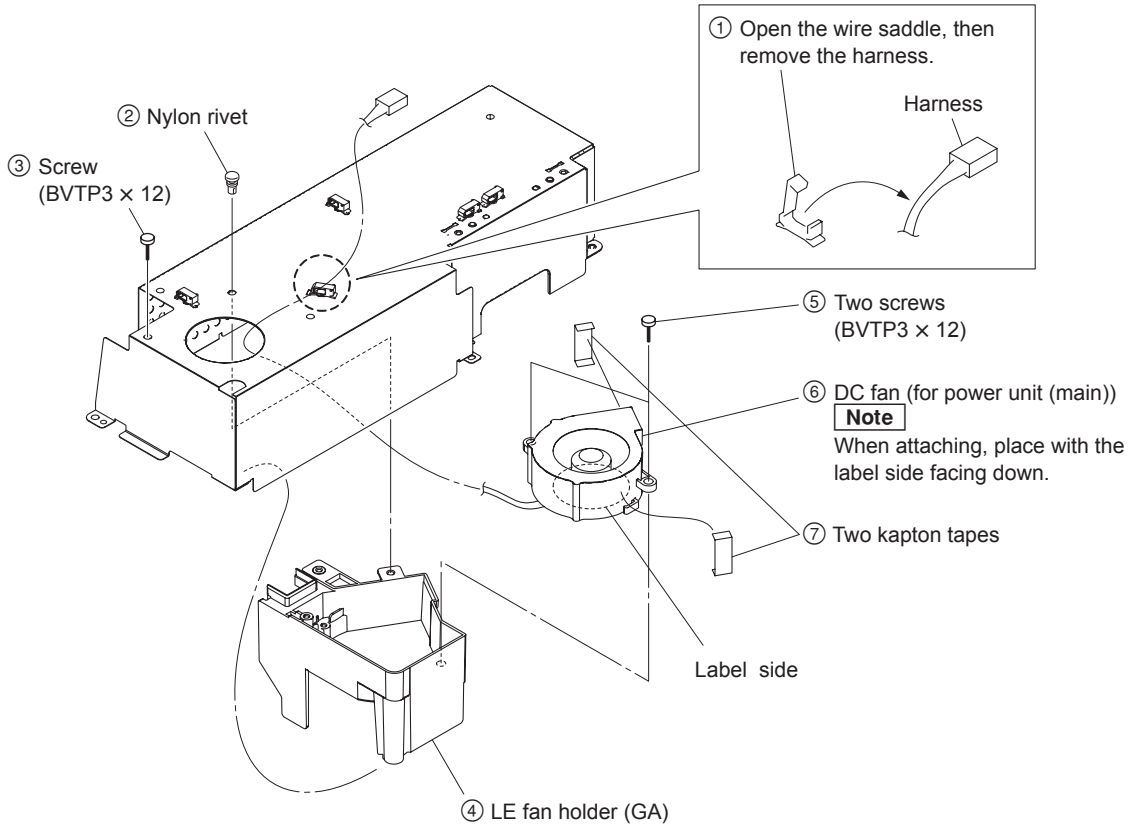
## 1-4-10. Power Unit



## 1-4-11. DC Fan (For Power Unit)

**Note**

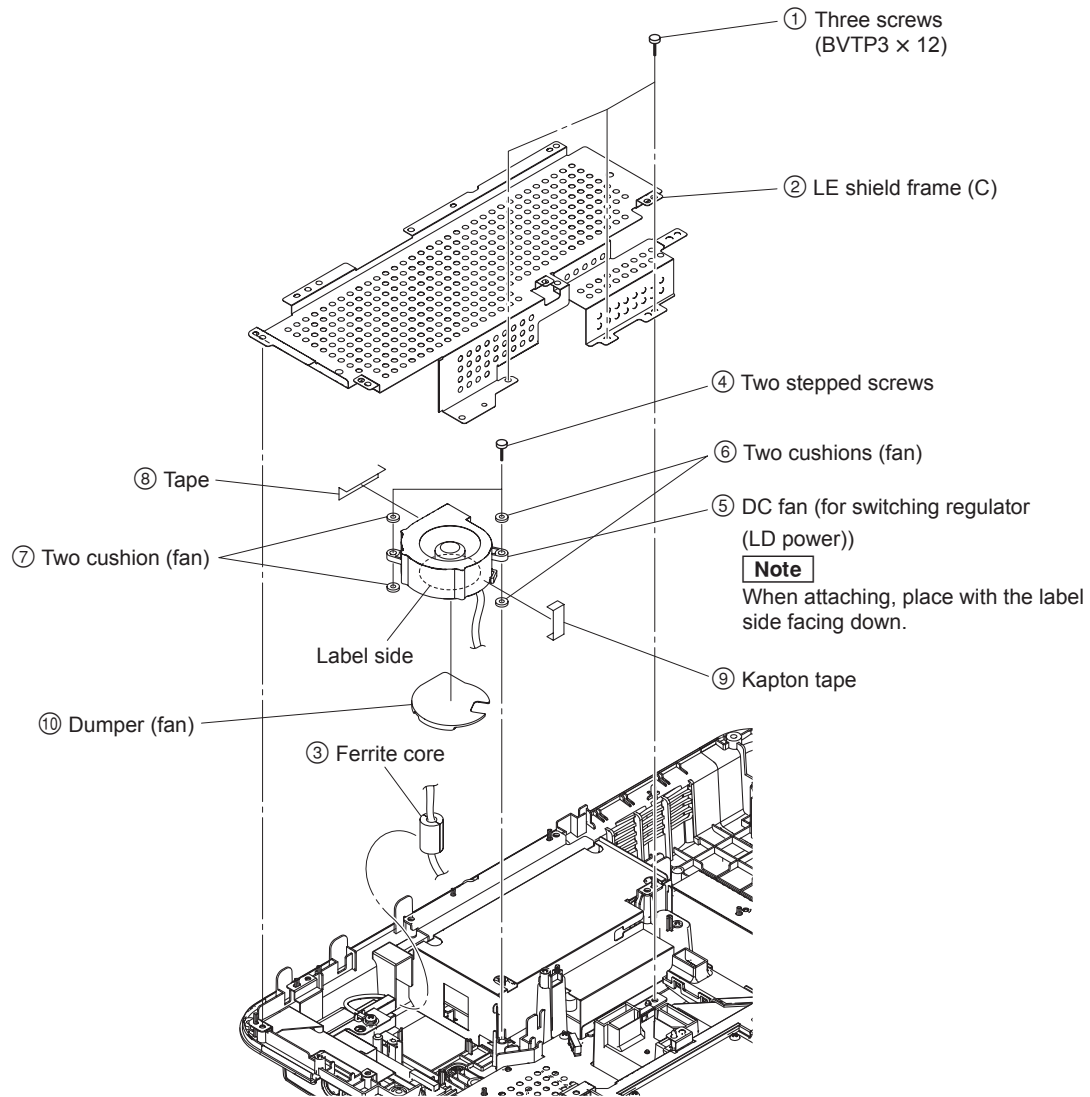
When replacing the DC fan, replace the kapton tapes (commercially supplied) with the new one at once.



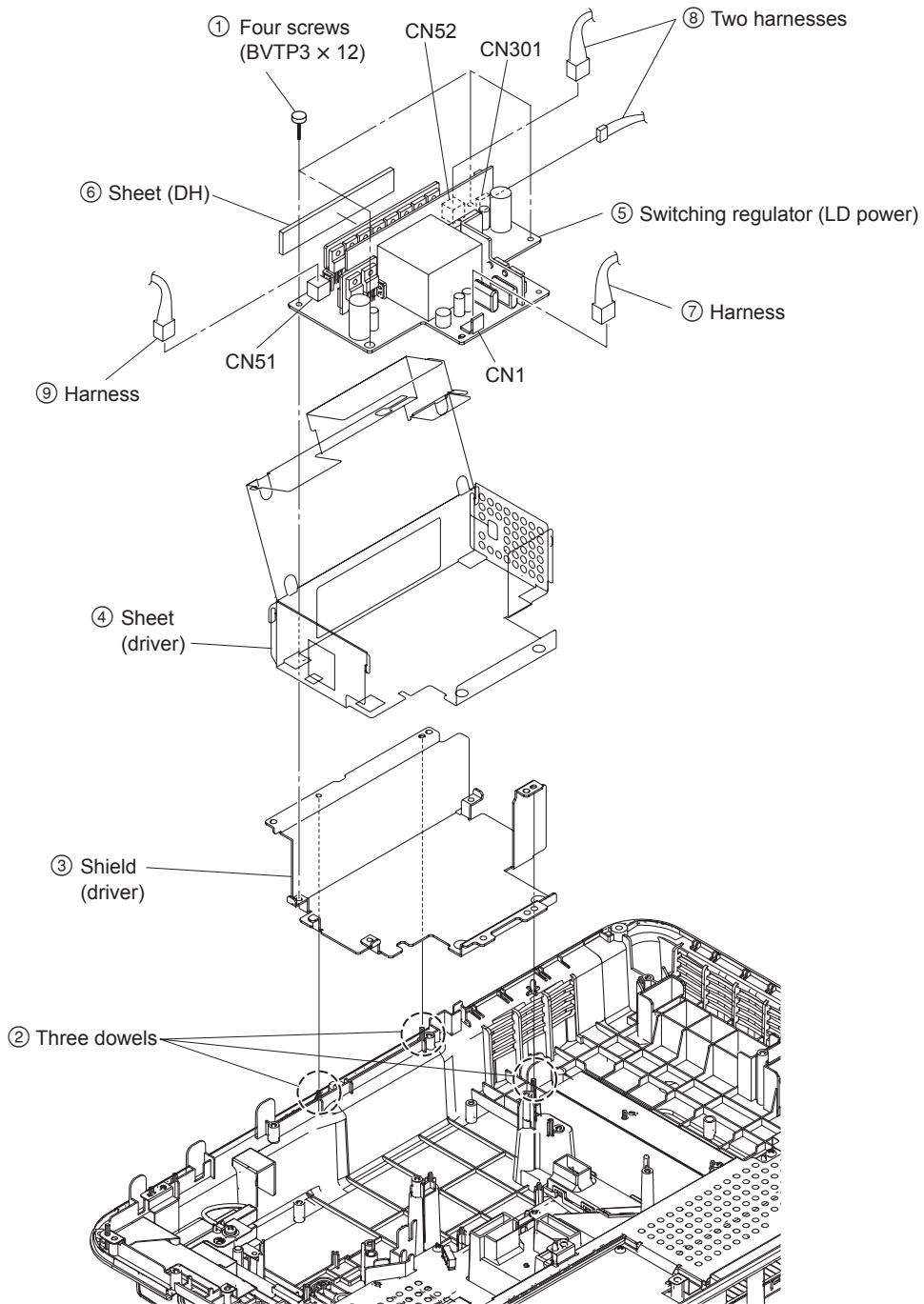
## 1-4-12. DC Fan (For Switching Regulator (LD Power))

### Note

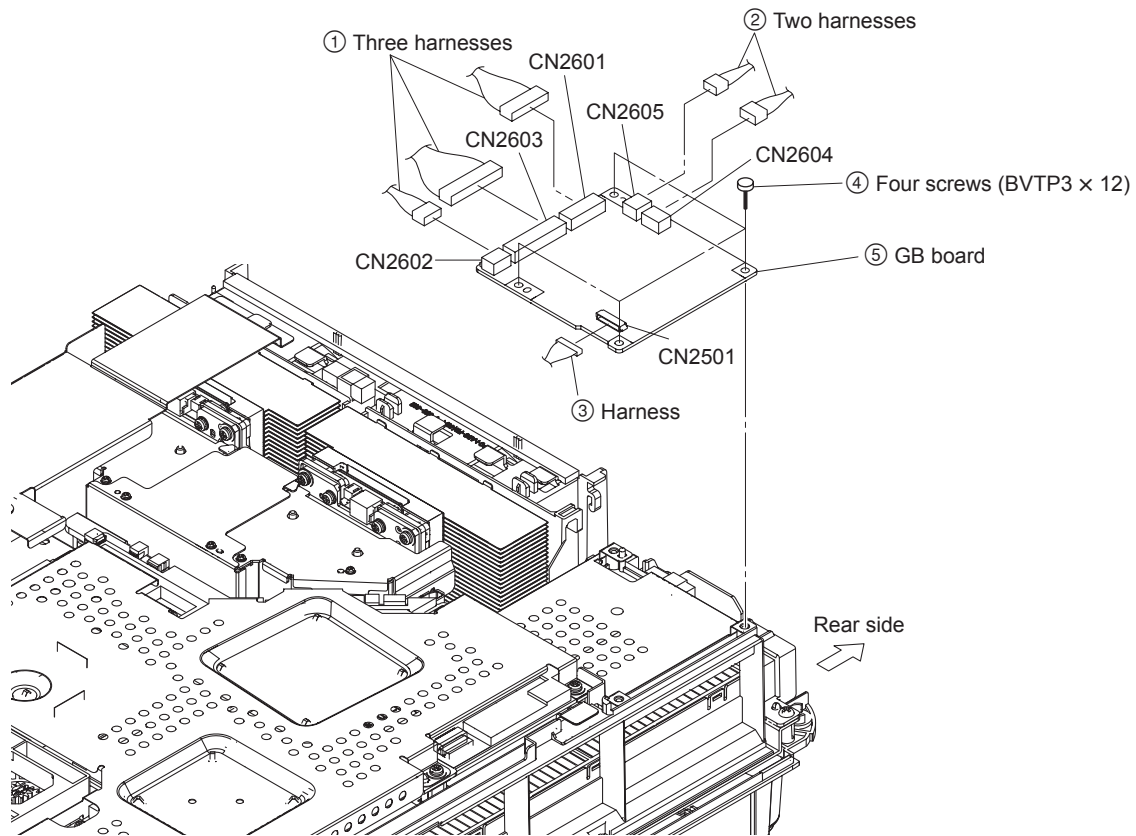
When replacing the DC fan, replace the kapton tape (commercially supplied) and tape with the new one at once.



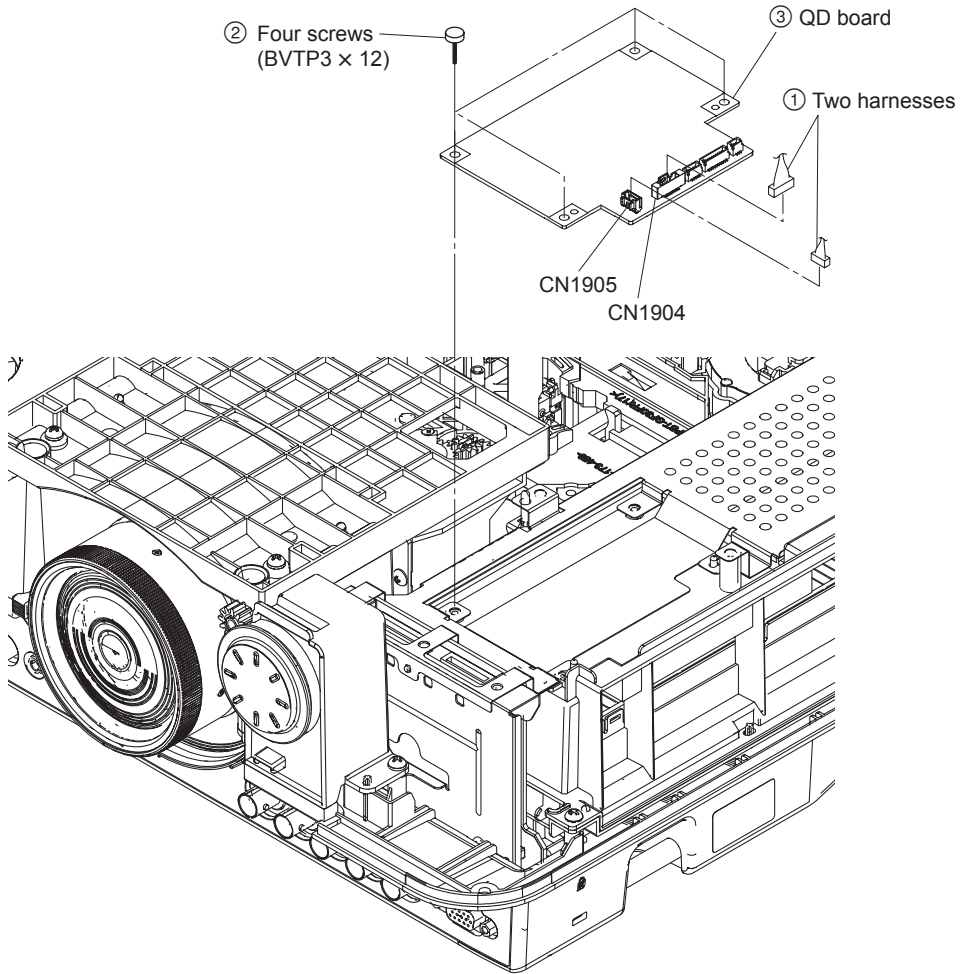
### 1-4-13. Switching Regulator (LD Power)



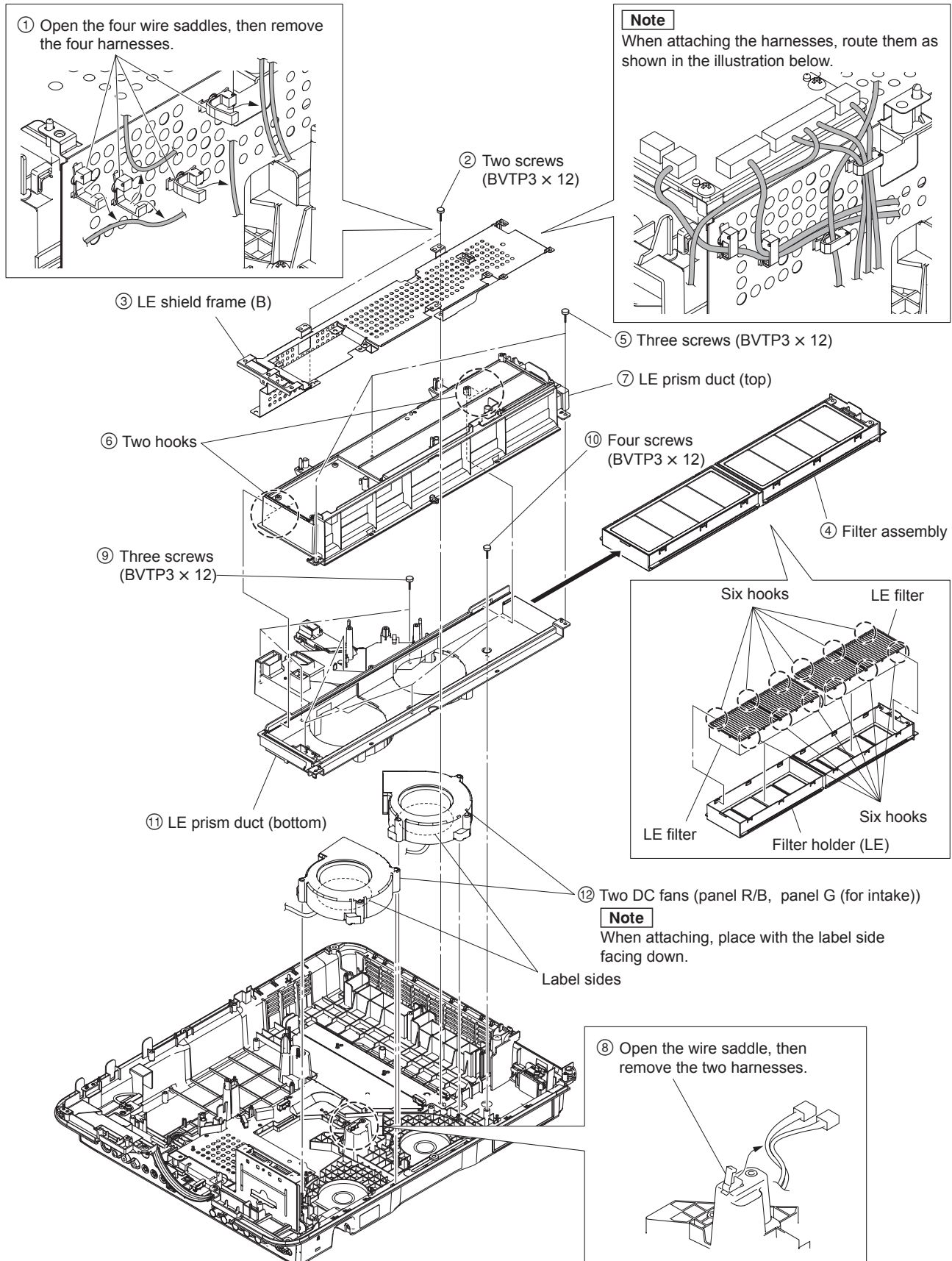
## 1-4-14. GB Board



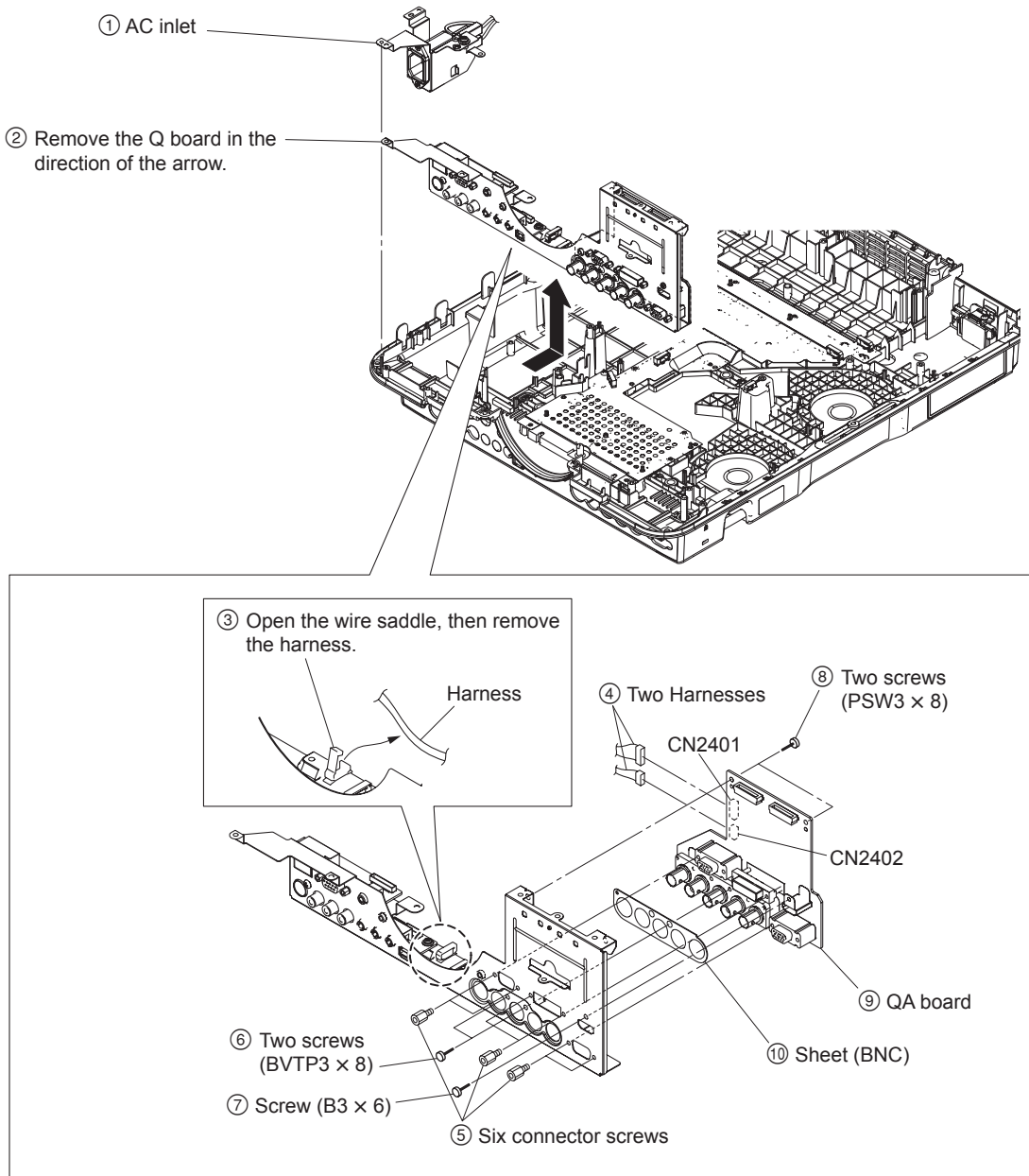
## 1-4-15. QD Board



# 1-4-16. DC Fan (Panel R/B and Panel G (For Intake))

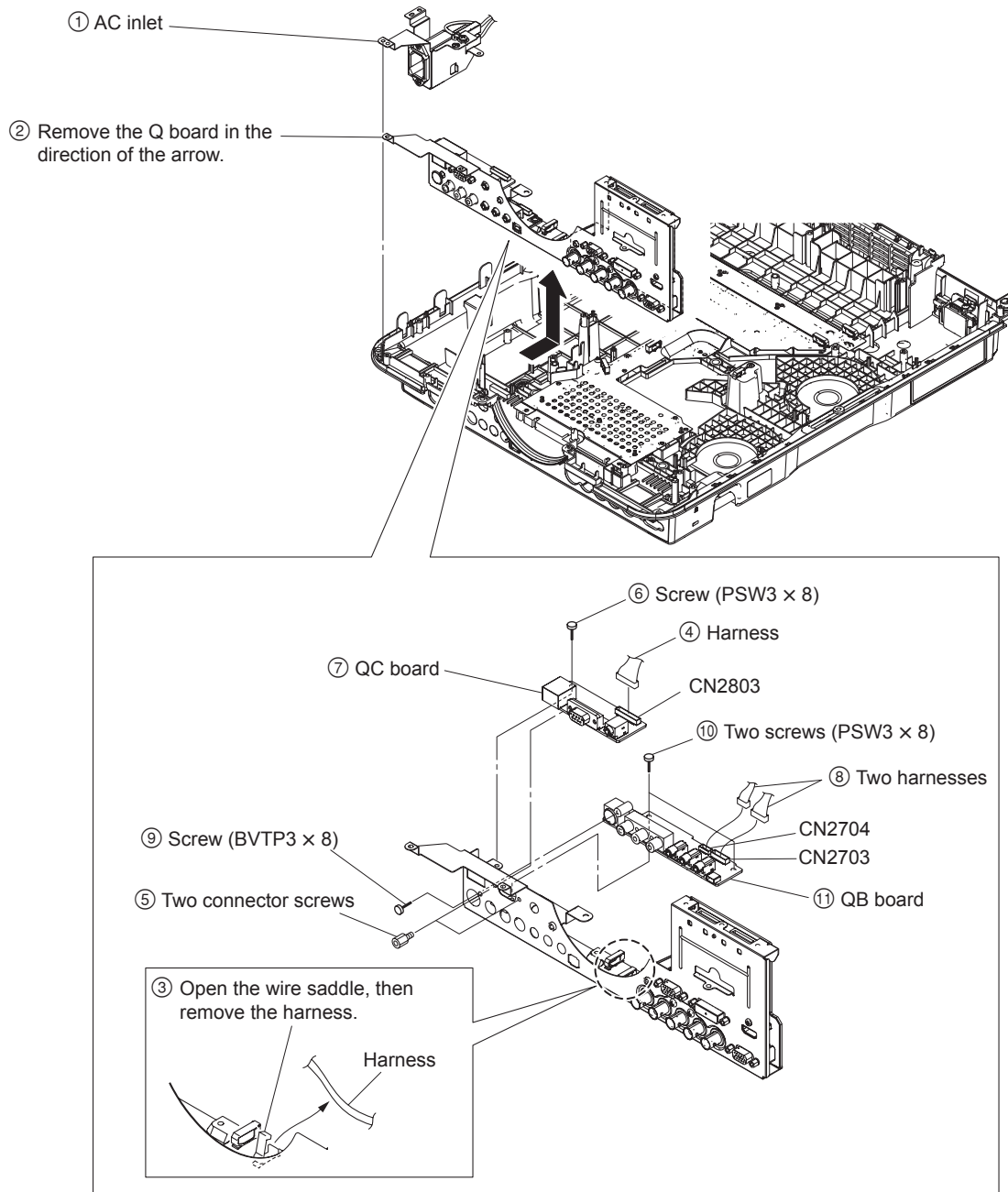


## 1-4-17. QA Board

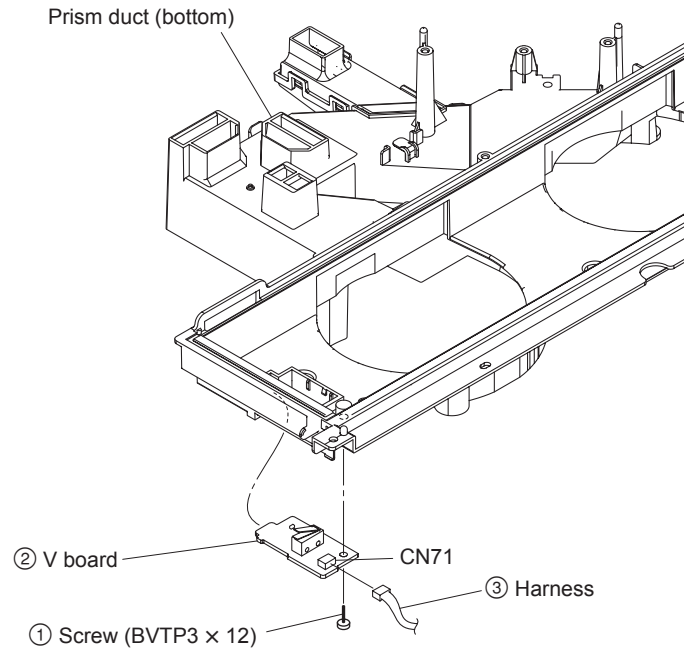




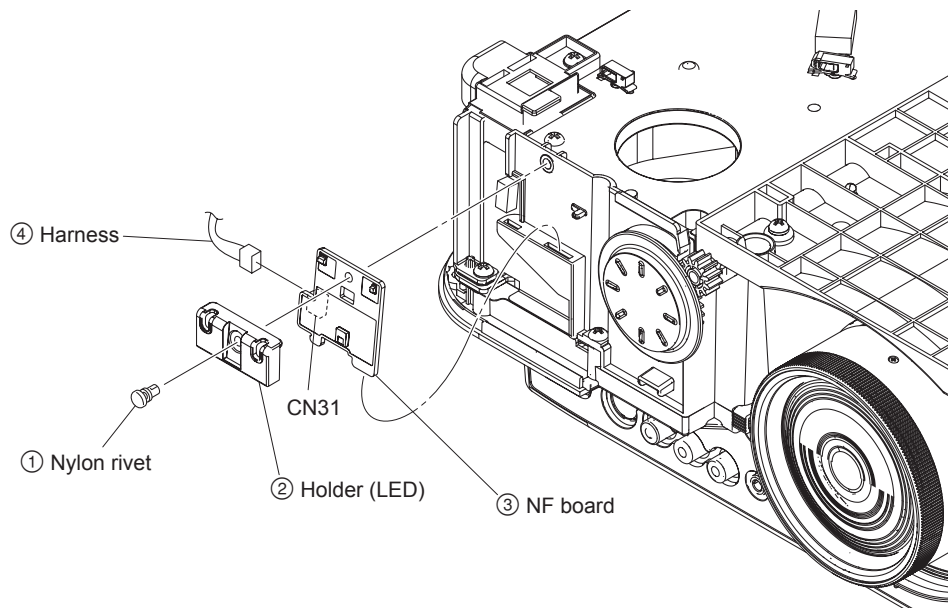
## 1-4-18. QB Board and QC Board



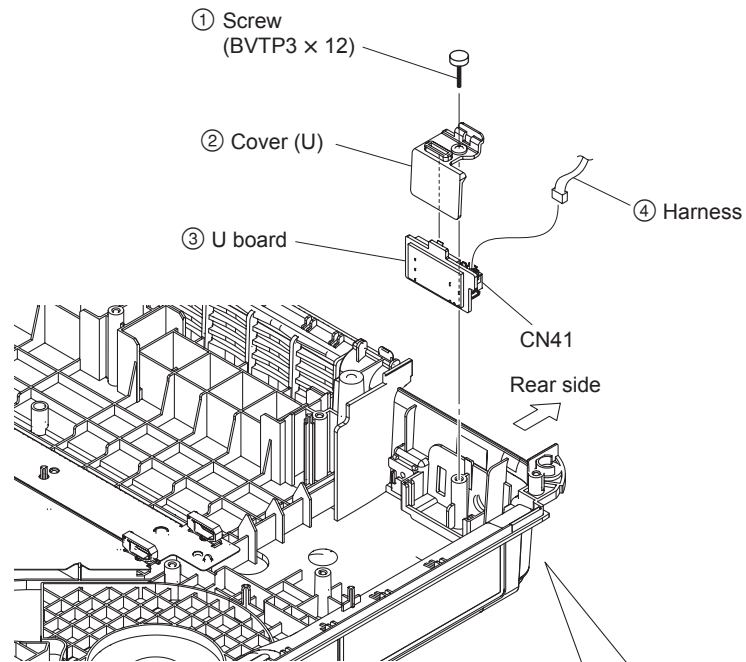
## 1-4-19. V Board



## 1-4-20. NF Board

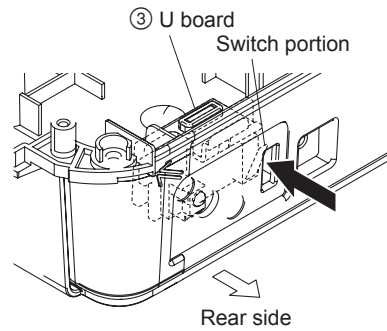


## 1-4-21. U Board



### Note

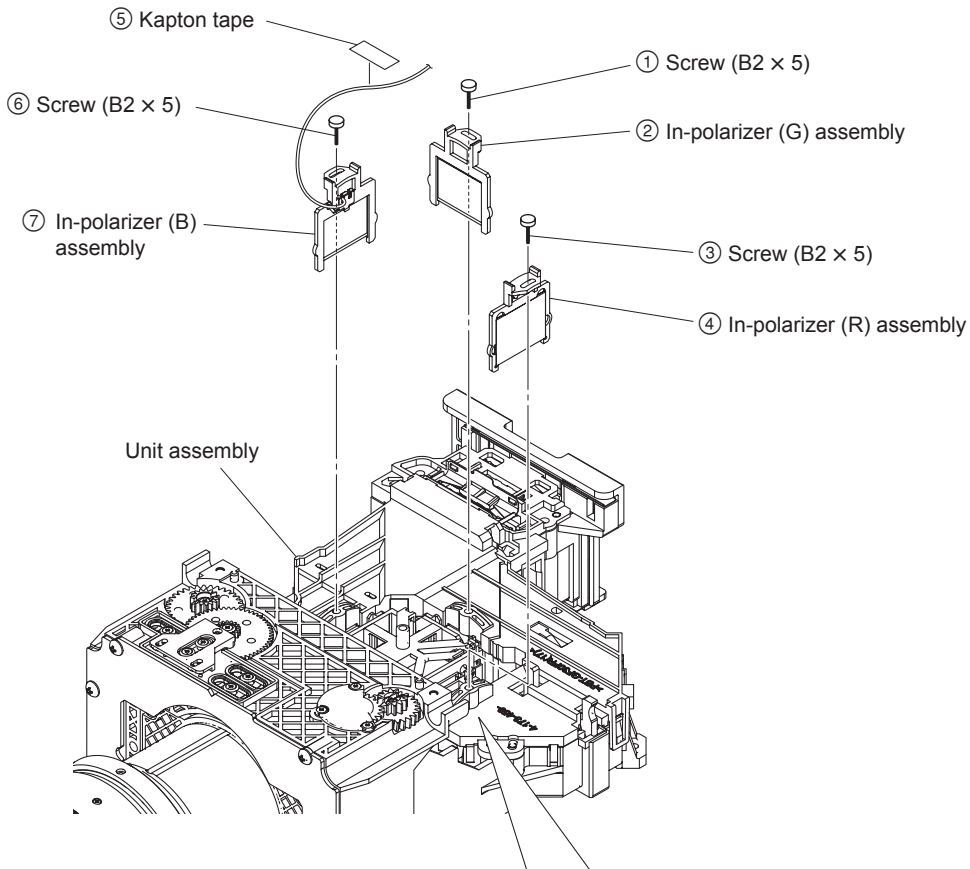
Disconnect the U board while pushing the switch portion.



## 1-4-22. In-polarizer (R)/(G)/(B) Assembly

### Note

When replacing the in-polarizer (R)/(G)/(B) assembly, perform the procedure after replacement. (Refer to Section 2-1-3.)



### Note

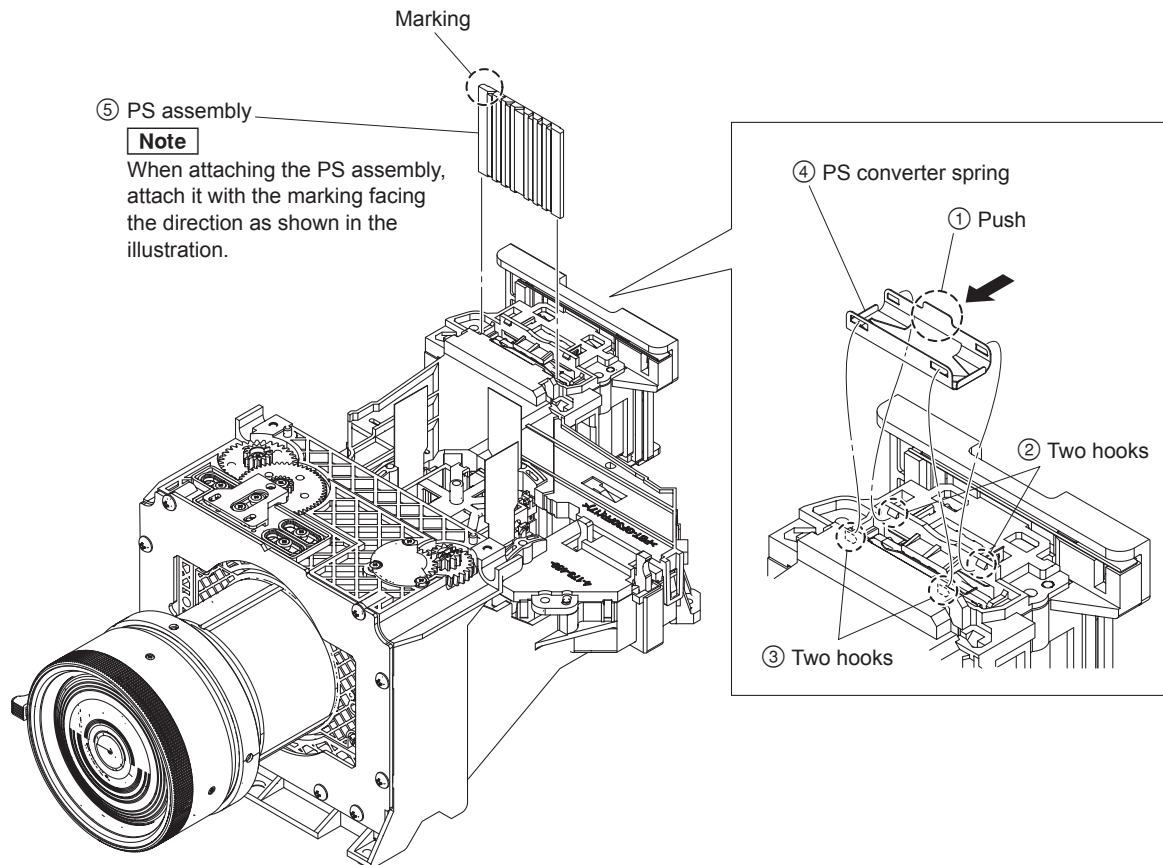
When attaching the incident polarizing plate (R)/(G)/(B) assemblies, fix them so that each screw is located at the center of each elongate hole.



### 1-4-23. PS Assembly (P/S Converter)

**Note**

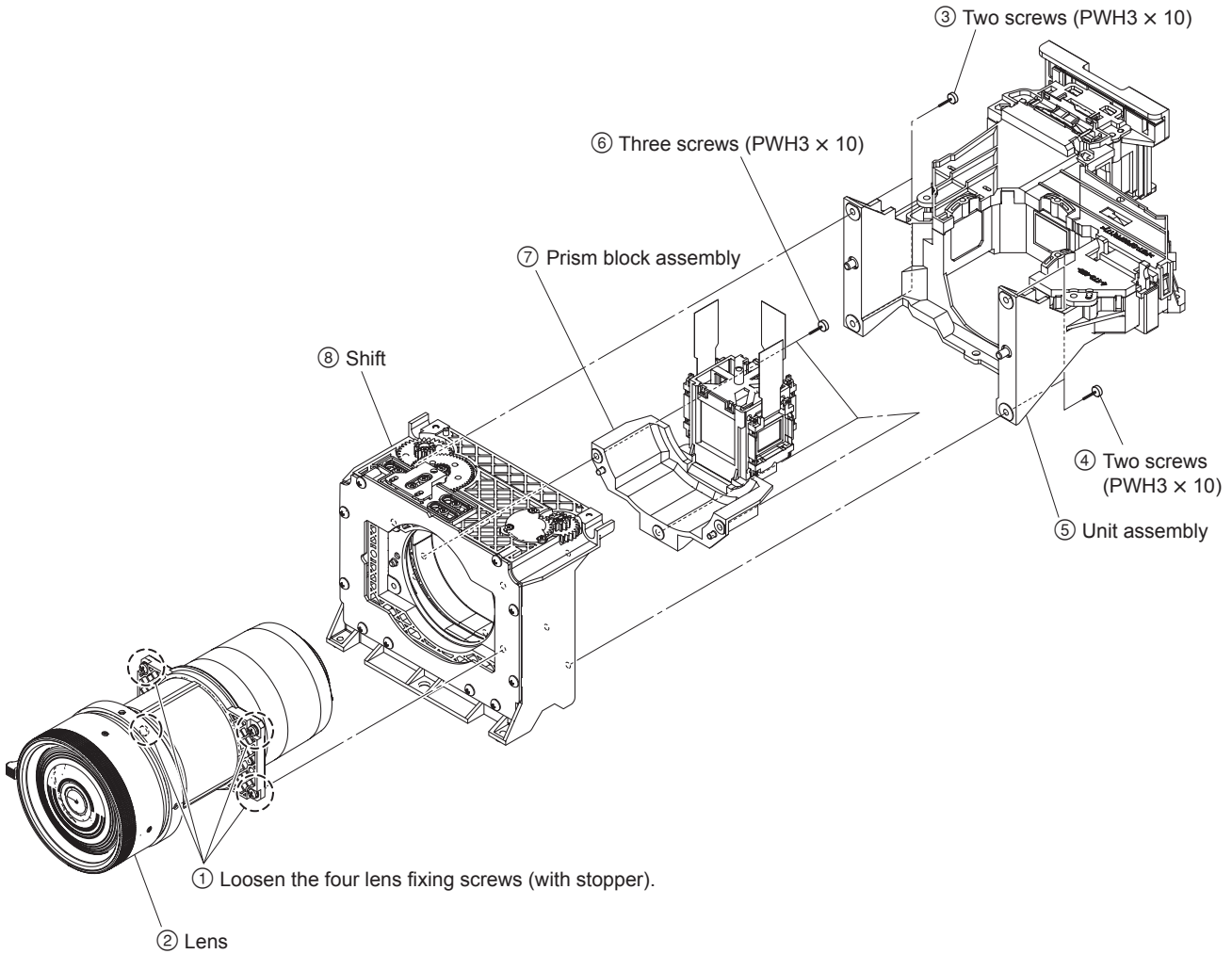
When replacing the PS assembly (P/S converter), perform the procedure after replacement.  
(Refer to Section 2-1-3.)



## 1-4-24. Shift and Prism Block Assembly

### Note

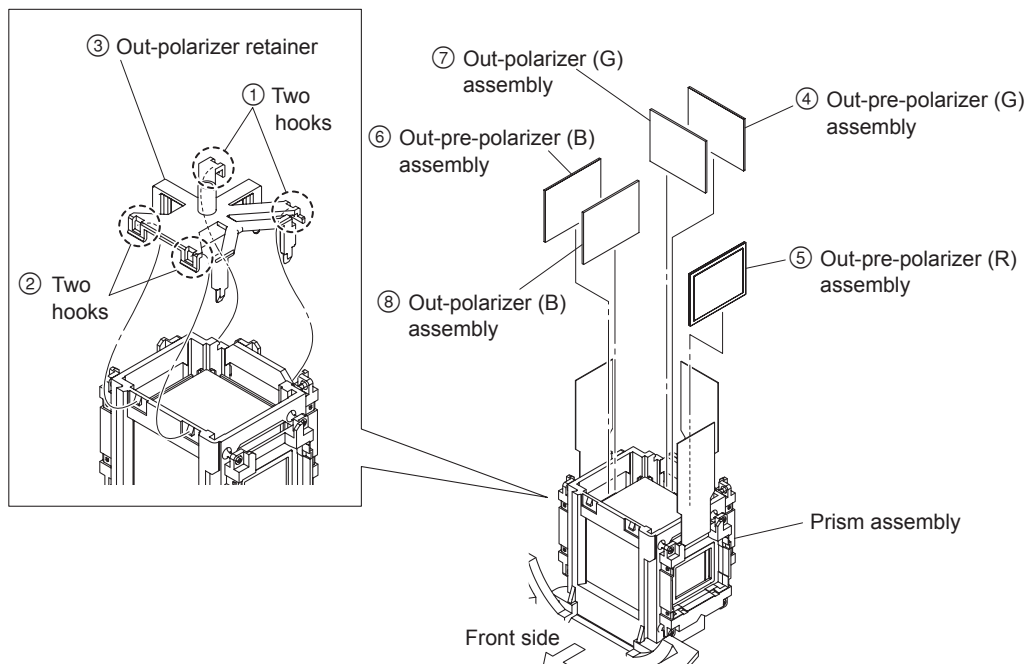
- When replacing the prism block assembly, perform the procedure after replacement. (Refer to Section 2-1-1.)
- When replacing the lens, perform the procedure after replacement. (Refer to Section 2-1-3.)



## 1-4-25. Out-polarizer (R)/(G)/(B) Assembly and Out-pre-polarizer (R)/(G)/(B) Assembly

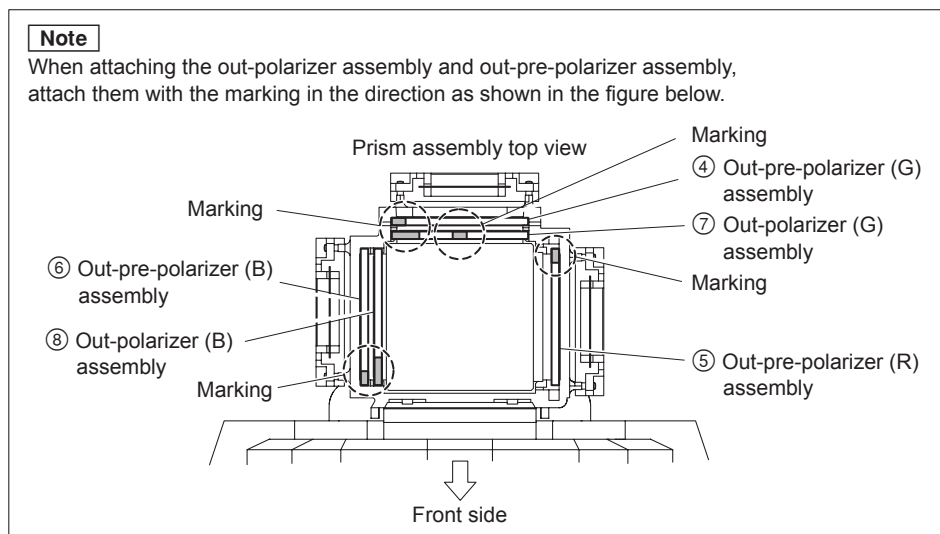
### Note

When replacing the out-polarizer (R)/(G)/(B) assembly or out-pre-polarizer (R)/(G)/(B) assembly, perform the procedure after replacement. (Refer to Section 2-1-3.)



### Note

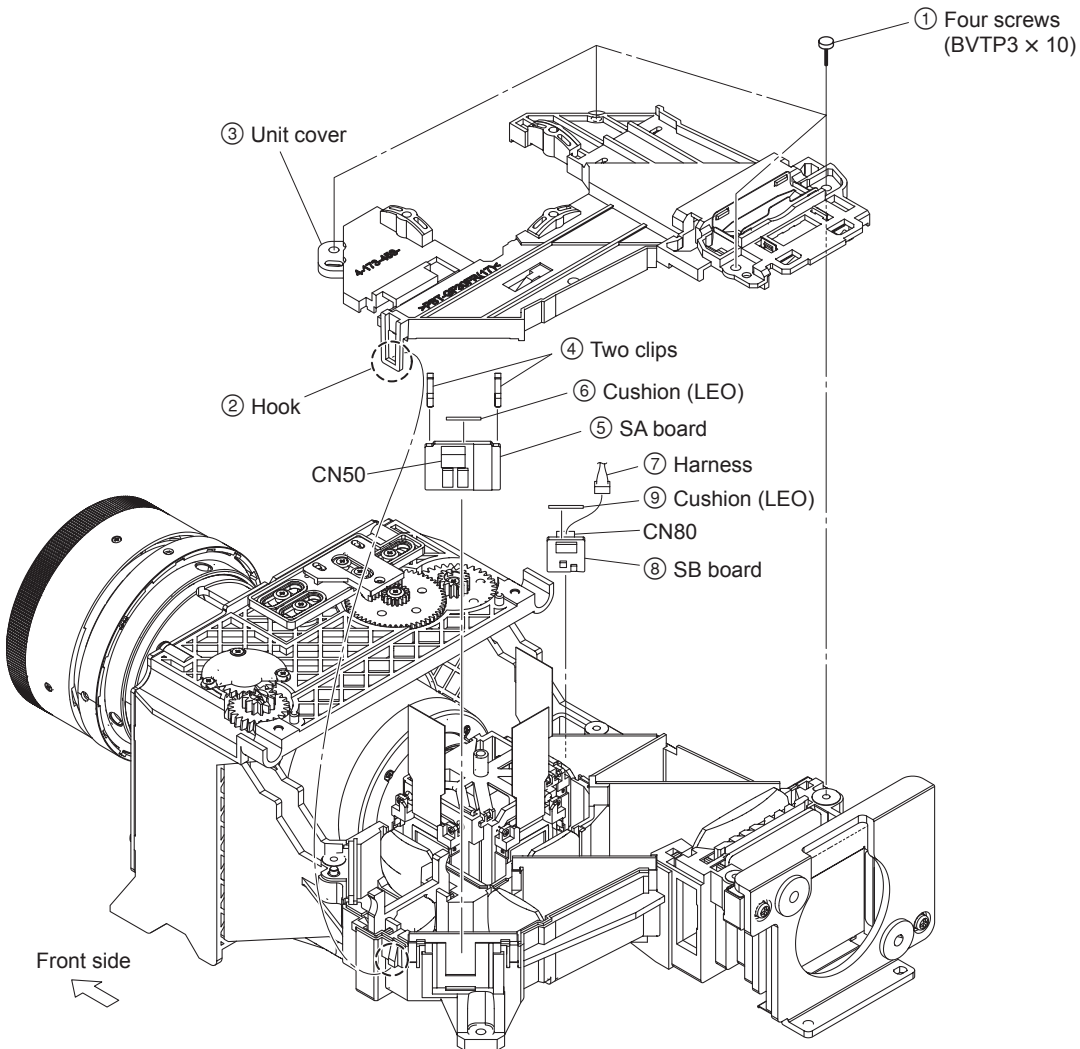
When attaching the out-polarizer assembly and out-pre-polarizer assembly, attach them with the marking in the direction as shown in the figure below.



## 1-4-26. SA Board and SB Board

### Note

When replacing the SA board or SB board, perform the procedure after replacement.  
(Refer to Section 2-1-3.)

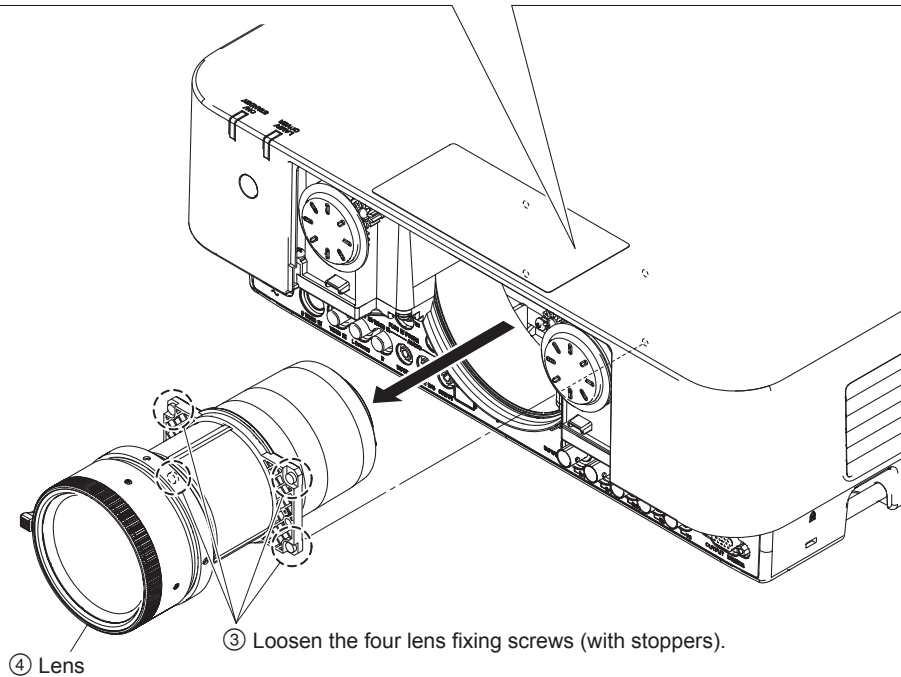
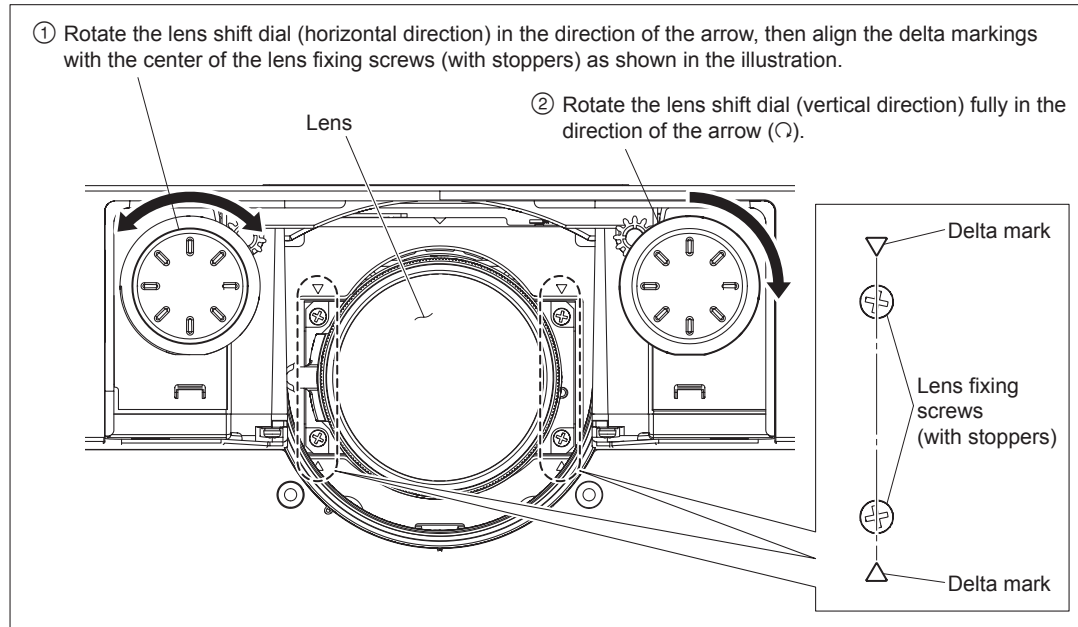




## 1-4-27. Lens

### Note

When replacing the lens, perform the procedure after replacement. (Refer to Section 2-1-3.)

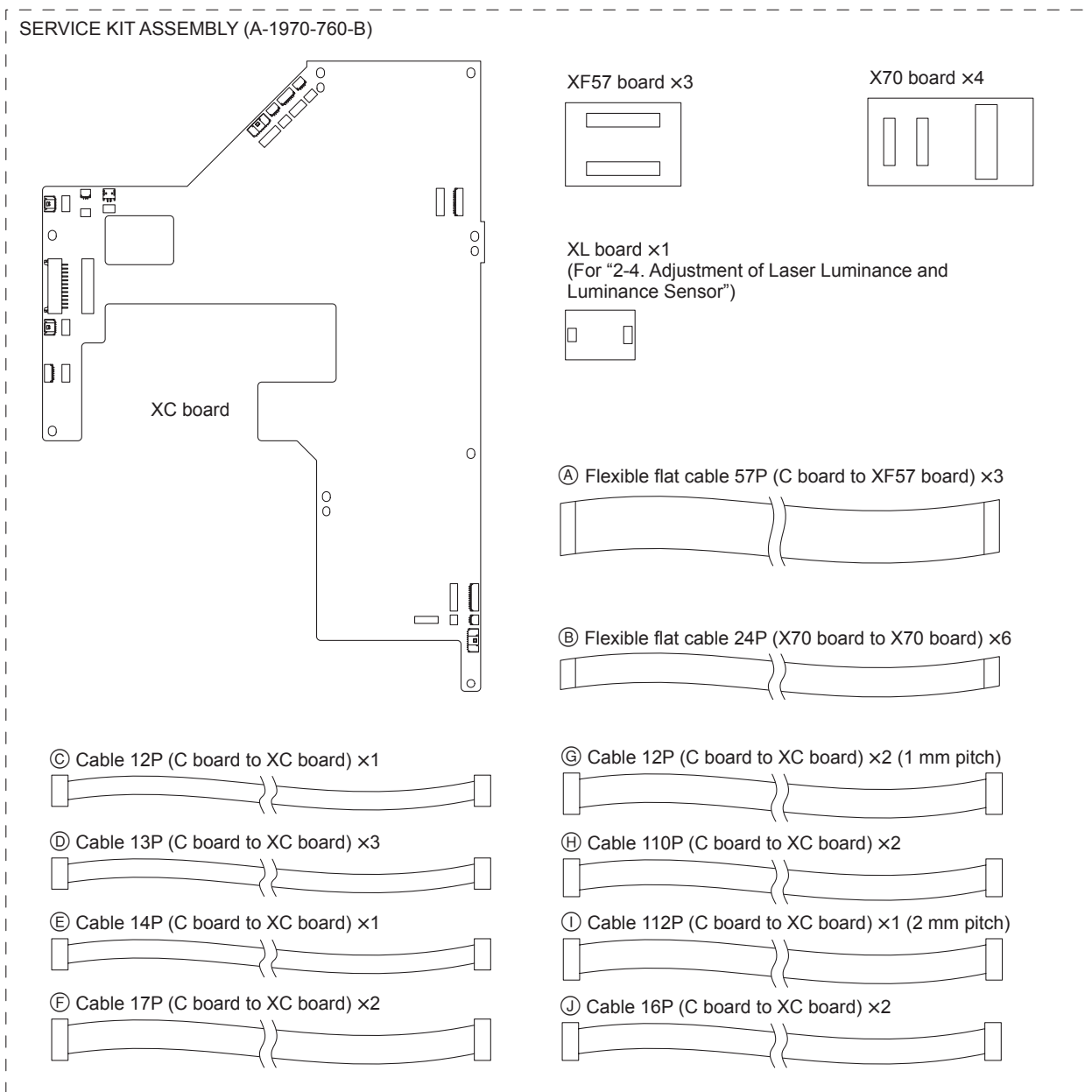


## 1-5. Optional Fixtures

### 1-5-1. Extension Boards and Extension Cables

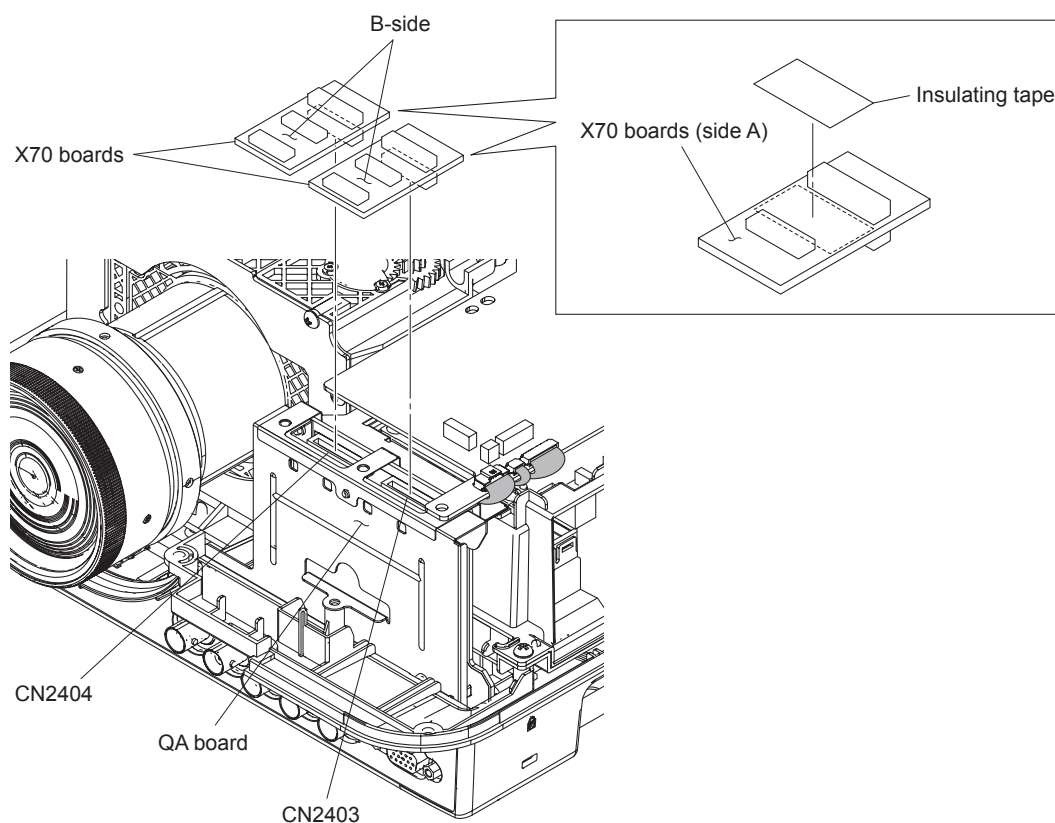
#### Note

- The laser diode is used as a light source of this unit.  
Never allow the light source to emit light with the cabinet removed.  
Otherwise, it may cause damage to eyes or skin.
- Do not remove the lens when the set is lighting.  
Otherwise, it may cause damage to eyes or skin.
- Do not release the protection switch with the cabinet removed.  
Otherwise, the light source may suddenly start emitting light, causing damage to eyes or skin.
- In order to avoid inappropriate use of the laser diode, do not disassemble the laser unit assembly LEO.



## 1-5-2. Connection

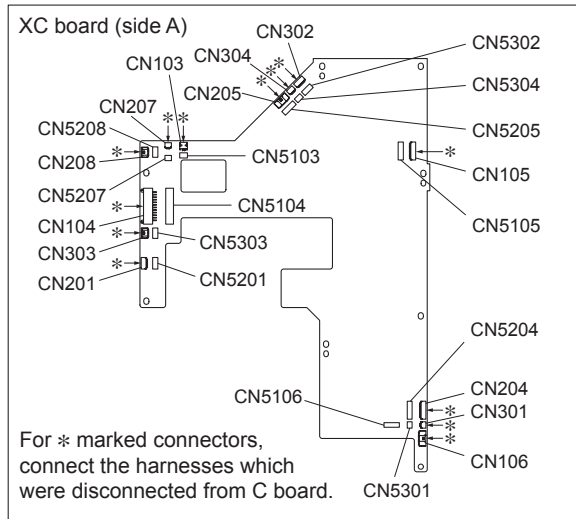
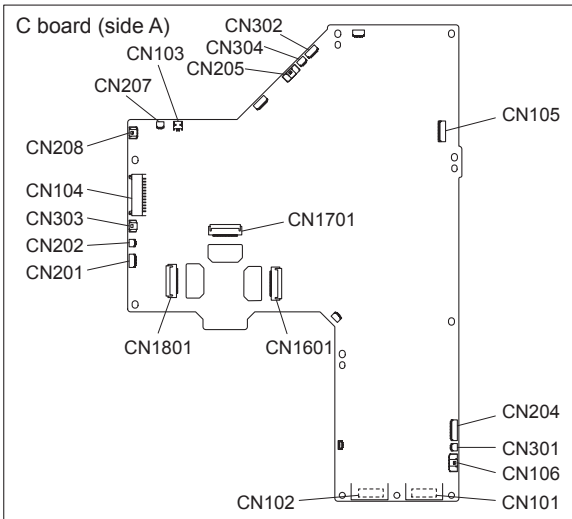
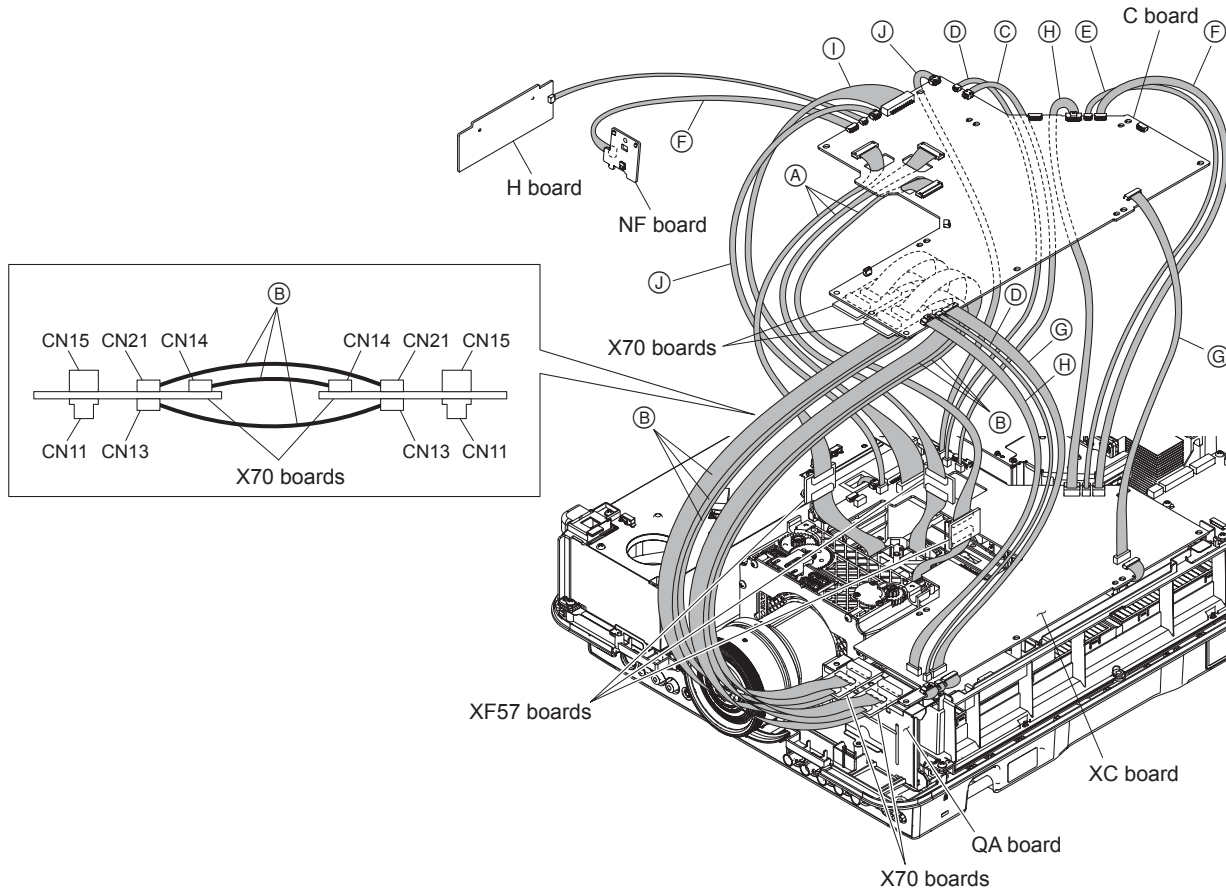
1. Remove the following parts in the order below.  
Lens cover assembly (Refer to Section 1-4-1.) → Filter cover assembly (Refer to Section 1-4-2.) →  
Top panel assembly (Refer to Section 1-4-3.) → C board/ LE shield (CT) (Refer to Section 1-4-4.) →  
Optics unit assembly LEO (Refer to Section 1-4-7.) → Gear block (Refer to Section 1-4-9.)
2. Install the optics unit assembly LEO in the reverse order of steps ③ to ⑩ in Section 1-4-7.
3. Apply the insulating tapes (commercially supplied) on the A-side of the X70 boards.
4. Connect the two X70 boards to the connectors (CN2403 and CN2404) on the QA board.



5. Attach the filter cover assembly. (Refer to Section 1-4-2.)
6. Connect the extension board, H board, NF board, and extension cables as shown in the figure.

**Note**

- Secure the XC board to the main unit with the six screws.
- After the connecting with the C board and XC board, place the C board on the insulator and then operate.



## 1-6. Precaution for Transporting

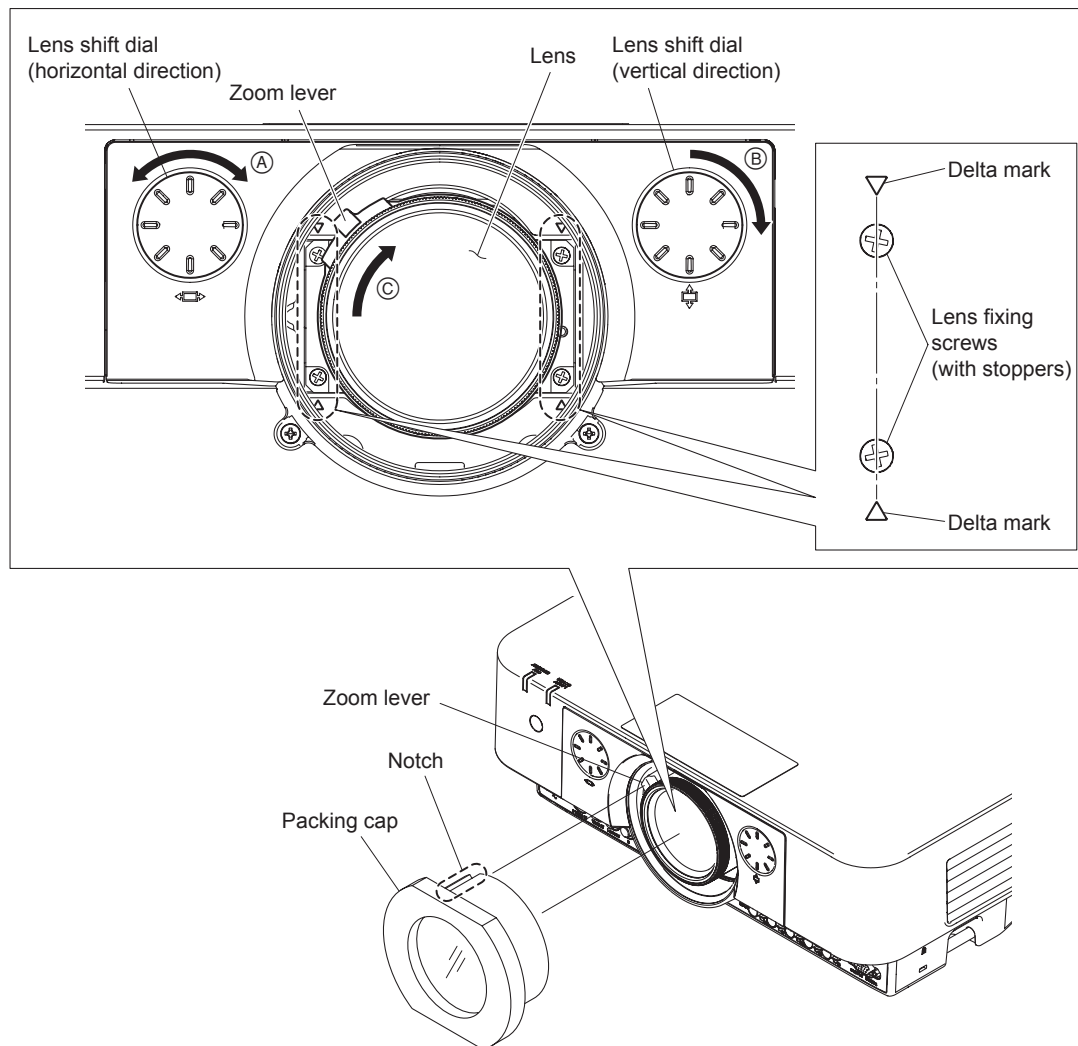
### Note

When transporting, be sure to attach the packing cap.

1. Turn the lens shift dial (horizontal direction) in the direction of the arrow (A) to match the delta marks with the center of the lens fixing screws (with stoppers) as shown in the figure.
2. Turn the lens shift dial (vertical direction) in the direction of the arrow (B) fully (clockwise direction (↻) fully).
3. Turn the zoom lever to the limit in the direction of the arrow (C).
4. Attach the packing cap with placing the notch at the zoom lever.

### Tip

To removing the packing cap, reverse the procedure.



## 1-7. Procedure When IR Receiver Reduced Sensitivity

When this unit is under the specified environment, the IR receiver on the front of this unit may be reduced sensitivity. In this case, perform the procedure below.

### 1-7-1. Tools

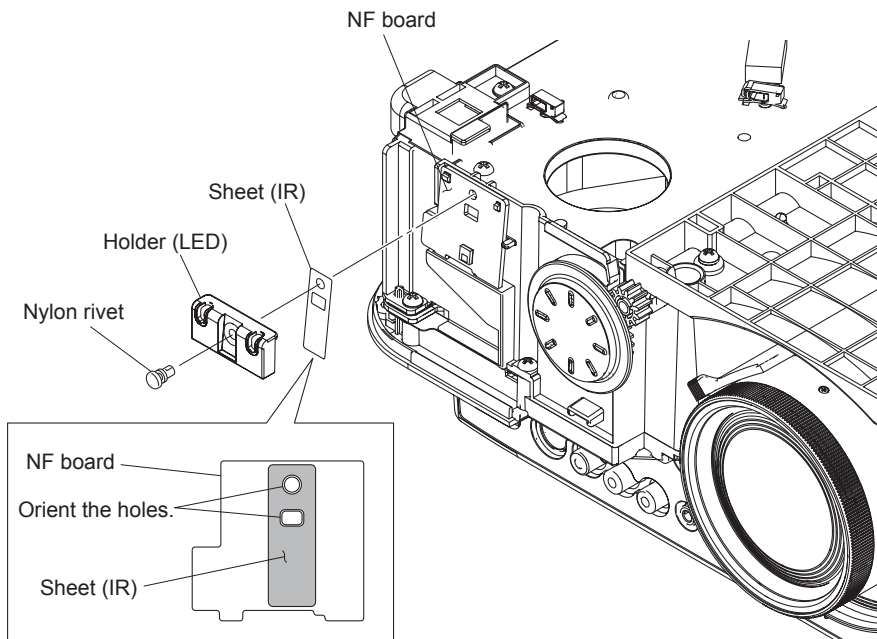
- SHEET (IR): 4-284-029-01

### 1-7-2. Procedure

1. Remove the holder (LED). (Refer to steps ① and ② in Section 1-4-20.)
2. Insert the sheet (IR) between holder (LED) and NF board, then fix them using the nylon rivet.

#### Note

When installing the sheet (IR), orient the holes as shown in the figure.



3. Assemble this unit by reversing the removal procedure.

### 1-7-3. Procedure after Installing

1. Turn on the power of this unit, then display the menu.
2. Select the menus in the following order: “The Operation Menu” → “IR Receiver” → “Front”.
3. Operate the remote controller from front side of this unit, then check this unit is operated properly.
4. Return the “IR Receiver” changed in step 2 to the original setting.
5. Turn off the power of this unit.

## 1-8. Service Mode (Network Volume)

### 1-8-1. Outline

This unit is provided with a network terminal. Using a Web browser, it can check the state of a projector and control and set the network blocks.

Additionally, this unit has Update and Event Trace functions through a network as a service-dedicated function.

The Update function can update Main (scan converter), Sub (sub-microcomputer), and Ext (network microcomputer) firmware.

The Event Trace function can view the event logs (a timer, lamp timer reset log, error log, and mail report log) of a projector.

#### 1. Connection of projector and PC

- Set using a CAT5 cross cable so that the network setting of the projector and PC is the same in a subnet when connecting a projector and PC directly.
- Connect PC to the LAN so as to adjust the network setting of PC to LAN operating environment when a projector is connected to LAN.

#### 2. IP address confirmation

Turn on the power of a projector and display a menu screen. On the [Connection/Power] screen of a menu, confirm the IP address of the projector.

#### 3. Entering the service mode

To use a service-dedicated function, enter the service mode. To enter the service mode, enter the following in the address bar of a Web browser (Internet Explorer 8/9/10):

`http:// (IP address of projector) /service/`

You are prompted to enter a user name and password. Enter them as follows:

User name: service

Password: (Lower-case model name) Example: vpl-fhz55 or vpl-f420hz

#### Note

When moving from the service mode to other pages and entering the service mode again, close a Web browser once and start the Web browser again.

### 1-8-2. Update Function

#### Note

- The port number used for TCP of updating is 58525. When the port number is used in another application, updating may not be executed satisfactorily. In this case, delete the application before updating.
- Updating may fail due to the blocked fire wall function. Invalidate the fire wall function before updating.
- Updating may fail when many hubs are connected between PC and a projector.
- Updating may fail when network traffics are congested. It is recommended to update when there are a few network traffics.
- It is recommended to set DHCP manually rather than to acquire DHCP automatically.
- The address leased from DHCP is not released in the Update mode when DHCP is set automatically. Avoid updating in the environment where DHCP has a short lease period.

## 1. Preparation for updating

### Application required

- Network Update Bridge: Used for serial-to-network conversion.
- Null-modem emulator: Used for virtual port creation.

### Note

For obtaining each application, please contact your local Sony Sales Office/Service Center.

(1) Install Network Update Bridge.

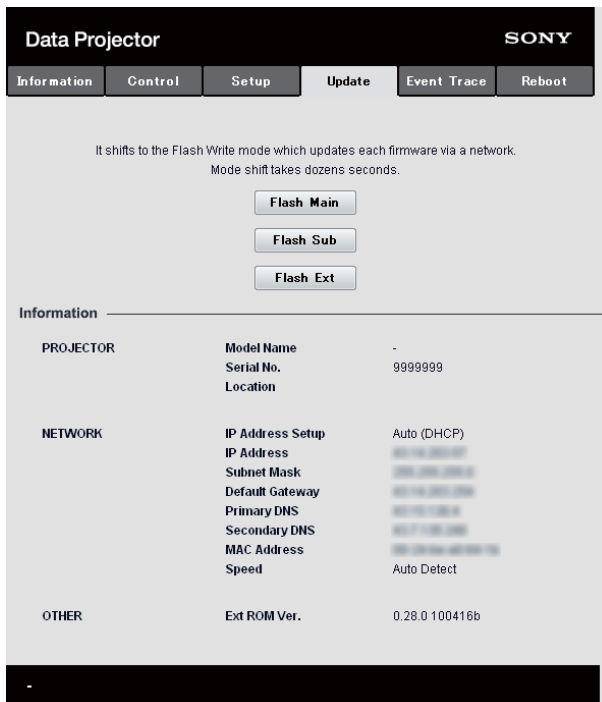
- 1) Copy Network Update Bridge.exe below C:\Projector\Network Update Bridge.

(2) Install a null-modem emulator and create a virtual COM port.

- 1) Decompress com0com-2.2.2.0-i386-fre.zip.
  - 2) Execute setup.exe.
  - 3) Install according to the instructions on the screen. (Next >, I Agree, Next >, Install, Next >, Finish)
  - 4) A new hardware search wizard starts. Proceed to the next step and register new hardware. (Two times)
  - 5) com0com is displayed in the device manager.
  - 6) Execute EthCOMinstall.bat.
  - 7) A new hardware search wizard starts. Proceed to the next step and register new hardware. (Two times)
- COM8 and COM9 are created as a virtual COM port.

(3) Put the power of a projector into the standby state.

(4) Click the **Update** tab on the Web page of service.



A network block is put into the update wait state when you click the **Flash Main**, **Flash Sub**, and **Flash Ext** buttons. A Web browser cannot be displayed in this case.

At that time, the previously set value is reflected on the setting of a network.

During Main or Sub updating, the wait state is continued unless AC of a projector is pulled out.



## 2. Start of Network Update Bridge

Start Network Update Bridge.exe on PC.

## 3. Designation of a projector

Click the **Search** button to search a projector whose firmware is updated.

### Tip

- The IP address of a projector can be directly entered when it is known.
- The information below is displayed as projector information.
  - Model name
  - Serial No.
  - Location (upM/upS/upN)  
CPU selected in the Update mode can be identified under the location name of SDAP packets in the Update mode.  
upM: Main CPU  
upS: Sub CPU  
upN: Network (Ext) CPU
  - IP address

## 4. Virtual port selection

Select the virtual COM port created for preparation.

## 5. Start the Upgrader to be treated and write

Start the application, corresponding to a microcomputer, selected on the Web page and write an update file. The detailed procedure is the same as for each Upgrader processing. (Refer to Section 2-6.)

### Note

At that time, select the port corresponding to the virtual COM port, selected in step 4, as a COM port used.

## 6. Update processing

For update processing, Update Bridge.exe converts the data, transmitted by serial communication, properly into the TCP packet in a network and transmits it.

## 7. Update completion

### When Ext is updated;

When updating is completed, a network block terminates a Flash Write mode, restarts, and enters the ordinary state.

### When Main/Sub is updated;

Pull out and insert the AC cord of a projector after Network Update Bridge is closed every time each updating is completed.

Return to step 1 for updating when continuing updating.

### 1-8-3. Event Trace Function

The information below can be confirmed as Information and Event Trace when you click the **Event Trace** tab on the Web page of service.

**Data Projector** **SONY**

Information Control Setup Update **Event Trace** Reboot

---

**Information**

PROJECTOR	Model Name	Serial No.	Location

ROM Ver.	Main ROM Version	Sub ROM Version	Ext ROM Version
	---	---	---

---

**Event Trace**

TIMER	Lamp Timer(Lamp1)	Lamp Timer(Lamp2)	Operation Timer

**LAMP TIMER RESET LOG**

OP timer	Lamp time
Operator1	0001
Operator2	0002
Operator3	0003

**ERROR LOG**

OP timer	Error
Operator1	Error name 1
Operator2	Error name 2
Operator3	Error name 3

**MAIL REPORT LOG**

Type	Result
Detail 1	Result 1
Detail 2	Result 2
Detail 3	Result 3

#### 1. Information

The displayed items are described below.

##### **PROJECTOR**

- Model Name: Model name
- Serial No.: Serial number
- Location: Installation site (Blanked when Location is not set.)

##### **ROM Ver.**

- Main ROM Version: Version of Main ROM
- Sub ROM Version: Version of Sub ROM
- Ext ROM Version: Version of Ext ROM

## 2. Event Trace

The displayed items are described below.

### TIMER

- Lamp Timer (Lamp 1): Time used of lamp 1
- Lamp Timer (Lamp 2): Time used of lamp 2
- Operation Timer: Operation time

### LAMP TIMER RESET LOG

- OP Timer: Operation time
- Lamp Timer: Lamp time used just before reset

### ERROR LOG

Displays the situation where an error occurs. Previous ten errors are displayed.

- OP Timer: Operation time during error occurrence
- Error

Error display	Contents of error
LAMP FAILURE:	Lamp error
FAN FAILURE:	Fan error
COVER FAILURE:	Cover error
TEMP FAILURE:	Temperature error
TEMP WARNING:	Temperature warning
NVM DATA ERRORNVM:	Data error
LENS PROTECTOR FAILURE:	Lens cover error
ANGLE FAILURE:	Tilt error
ANGLE WARNING:	Tilt warning
IRIS FAILURE:	Iris error
IRIS WARNING:	Iris warning
HIGHLAND WARNING:	Highland mode warning
LOW RTC BATTERY:	Insufficient remaining amount of battery
FILTER CRAMMED:	Filter clogging
POWER SYSTEM FAILURE 1:	Power error 1
POWER SYSTEM FAILURE 2:	Power error 2
TEMP FAILURE:	Temperature error
SYSTEM ERROR 2:	System error
LAMP/FILTER REPLACE 15H:	15 hours before lamp/filter replacement
LAMP/FILTER REPLACE 50H:	50 hours before lamp/filter replacement
LAMP REPLACE:	Lamp replacement
SIGNAL WARNING FREQUENCY OVER:	Input signal frequency warning
SIGNAL WARNING SIGNAL SETTING MISTAKE:	Input signal type warning
FILTER CLEANING:	Filter cleaning
FILTER REPLACE:	Filter replacement
SHOCK FAILURE:	Shock error
BRIGHTNESS FAILURE:	Brightness error
WHEEL FAILURE:	Wheel error

## MAIL REPORT LOG

Previous ten mail transmission logs are displayed.

Type: Mail type

Test: Test mail  
Regular: Regular report  
Maintenance: Maintenance report  
Error: Error report

Result: Mail transmission result display

OK: Succeeds in transmission.

An error code is displayed when transmission fails.

### Note

Refer to RFC821 for details of error contents.

### Tip

SMTP error code list

Code	Contents of error (Display)	Description
211	System status, or system help reply	This is the reply to a system status or system help.
214	Help message	This is a help message.
220	[domain] Service ready	[domain] Preparation has been completed.
221	[domain] Service closing transmission channel	[domain] A transmission channel is closed.
250	Requested mail action okay, completed	The requested processing can be executed. It was completed.
251	User not local; will forward to [forward-path]	A local user does not exist, so data is transmitted to [forward-path].
354	Start mail input; end with <CRLF>.<CRLF>	Enter a mail. Terminated by <CRLF> <CRLF>.
421	[domain] Service not available, closing transmission channel	[domain] A service cannot be used, so connection is closed.
450	Requested mail action not taken: mailbox unavailable	A mailbox cannot be used, so processing was not performed.
451	Requested action aborted: error in processing	The requested processing failed and an error occurred.
452	Requested action not taken: insufficient system storage	System disk space is insufficient, so processing was not performed.
500	Syntax error, command unrecognized	A command cannot be recognized due to a syntax error.
501	Syntax error in parameters or arguments	An error occurs in the syntax of parameters or arguments.
502	Command not implemented	This command is not implemented.
503	Bad sequence of commands	The sequence of commands is incorrect.
504	Command parameter not implemented	This command has an argument that is not implemented.
550	Requested action not taken: mailbox unavailable	A mailbox cannot be used, so processing was not performed.
551	User not local; please try [forward-path]	A local user does not exist, so data is transmitted to [forward-path].
552	Requested mail action aborted: exceeded storage allocation	The mailbox to which data is delivered is insufficient in capacity, so no data could be delivered.
553	Requested action not taken: mailbox name not allowed	The name of a mailbox is improper, so data was not delivered.
554	Transaction failed	Processing failed.

(Continue)

Code	Contents of error (Display)	Description
600	Could not find SMTP server	An SMTP server cannot be found.
601	SMTP Internal Error	A socket cannot be created.
602	Could not find SMTP server	Cannot be connected to a server.
610	Could not find SMTP server	Transmission failed.
611	Could not find SMTP server	Reception failed.
612	Could not find SMTP server	An error occurs in the protocol version.
650	Could not find POP3 server	A POP3 server cannot be found.
651	POP3 Internal Error	A socket cannot be created.
652	Could not find POP3 server	Cannot be connected to a server.
660	POP3 login failed	Login failed. (Cannot be logged in to a server.)
661	POP3 login failed	Login failed. (User account error)
662	POP3 login failed	Login failed. (Password error)
670	POP3 Internal Error	Quit transmission failed.
680	POP3 Internal Error	Transmission failed.
681	POP3 Internal Error	Reception failed.

#### 1-8-4. Setup Function

When a user forgot a Web password, click the **Setup** tab and then **Password** button from the Web page of service and set the Web password on the password setting screen again.

The screenshot shows the Sony Data Projector web interface. At the top, there is a navigation bar with tabs: Information, Control, Setup, Update, Event Trace, and Reboot. The 'Setup' tab is selected. On the left side, there is a vertical menu with buttons for Owner information, Network, Password (which is highlighted), Mail Report, and Advanced Menu. The main content area is titled 'Administrator' and contains the following fields:

- Name : root
- Password :
- Confirm Password :

Below this, there is a section for 'User' with the following fields:

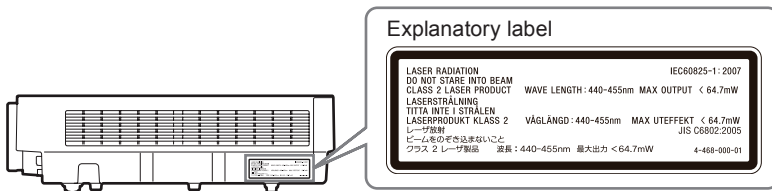
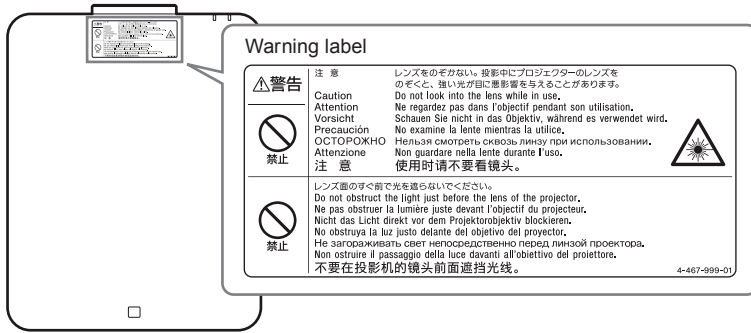
- Name :
- Password :
- Confirm Password :

At the bottom of the form, there is an 'Apply' button. The Sony logo is visible in the top right corner of the interface.

## 1-9. Web Password Change

If you forget your Web password, enter the Service mode (Section 1-8), and then set a new password in **Password** in **Setup** in the Web screen.

## 1-10. Label Position

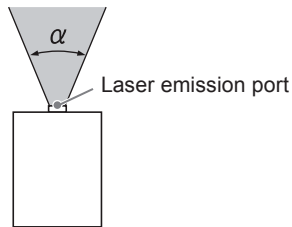


### Light source specifications

1.6 W laser diodes × 56  
 Wavelength: 440 - 455 nm

### Beam divergence angle from lens of this unit.

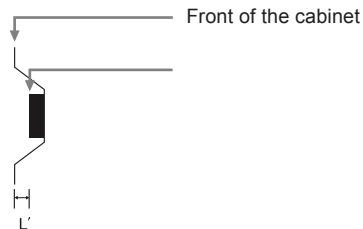
Wide:  $\alpha = 45.3^\circ$   
 Tele:  $\alpha = 29.4^\circ$



### The distance L' between the front of the lens (center) and the front of the cabinet

Unit: mm (inches)

Lens	L'
Standard lens	12.2 (1 <sup>5</sup> /32)



## 1-11. Indicator Display

In this unit, the error status is indicated by the blinking of the indicator. There are ON/STANDBY indicator and WARNING indicator on the top cover. The error differs depending on which indicator blinks. For details of the blinking state of indicator and the error, refer to the list below.

### ON/STANDBY indicator (Blinks in red)

Error		Number of blinking	Details of the error status
Temperature error	ON OFF	2	The temperature inside of the unit exceeds the tolerable range.
Fan error	ON OFF	4	Any of fan does not operate normally.
Power error	ON OFF	6	The power is not output normally.
System error-1	ON OFF	10	The data cannot be normally acquired from the storage device (EEPROM) when the power of sub-CPU is turned on.
System error-2	ON OFF	11	The data cannot be normally acquired from the storage device (EEPROM) when the power of main-CPU is turned on.
System error-3	ON OFF	12	The main-CPU does not operate normally.
System error-4	ON OFF	13	The main-CPU does not operate normally.
Assembly error	ON OFF	14	The connector of temperature sensor is disconnected.
Brightness error	ON OFF	8	The brightness exceeds the allowable range.
Wheel error	ON OFF	9	The wheel rotation exceeds the allowable range.

### WARNING indicator (Blinks in red)

Error		Number of blinking	Details of the error status
Cover error	ON OFF	2	The filter or filter cover is removed. The connectors to temperature sensor boards (U and V boards) are not connected properly.
Light source error	ON OFF	3	The light source does not light normally.
Drop impact error	ON OFF	8	The drop impact is detected.

## 1-12. Lead-free Solder

All boards mounted in this unit use lead-free solder. Be sure to use lead-free solder when repairing the boards of this unit. A lead free mark (LF) indicating that the solder contains no lead is printed on each board.

(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size.)



: LEAD FREE MARK

### Note

- The lead-free solder melts at a temperature about 40 °C higher than the ordinary solder, therefore, it is recommended to use the soldering iron having a temperature regulator.
- The ordinary soldering iron can be used but the iron tip has to be applied to the solder joint for a slightly longer time. The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful.



## Section 2

# Adjustments

### 2-1. Notes on Servicing

- The laser diode is used as a light source of this unit.  
Never allow the light source to emit light with the cabinet removed.  
Otherwise, it may cause damage to eyes or skin.
- Do not remove the lens when the set is lighting.  
Otherwise, it may cause damage to eyes or skin.
- Do not release the protection switch with the cabinet removed.  
Otherwise, the light source may suddenly start emitting light, causing damage to eyes or skin.
- In order to avoid inappropriate use of the laser diode, do not disassemble the laser unit assembly LEO.

#### 2-1-1. When the Optics Unit Assembly LEO or Prism Block Assembly is Replaced

1. Perform the V COM adjustment. (Refer to Section 2-3.)
2. Write the Opt Unit data supplied with the prism assembly using Quick Access2. (Refer to Section 2-6-5.)
3. Perform the laser luminance and luminance sensor adjustment. (Refer to Section 2-4.)

#### 2-1-2. When Replacing the C Board

1. Save the Opt Unit and NVM (All) data before replacement of the C board using Quick Access2.  
(Refer to Sections 2-6-2 and 2-6-4.)
2. Replace the C board. (Refer to Section 1-4-4.)
3. Take notes of the following data in the C board after replacement.  
Device → Panel Driver → 13 P.Drv/Volt Tune R, 14 P.Drv/Volt Tune G, 15 P.Drv/Volt Tune B.
4. Write the data saved in step 1 to replaced C board. (Refer to Sections 2-7-5 and 2-7-7.)
5. Enter the data taken notes in step 3.
6. Select the menus: Device → Save To Memory, then select  and press .
7. Perform the V COM adjustment. (Refer to Section 2-3.)
8. Perform the laser luminance and luminance sensor adjustment. (Refer to Section 2-4.)
9. Perform the Ext (Network) reset. (Refer to Section 2-5-5.)

#### 2-1-3. Parts That Require Adjustment of Laser Luminance and Luminance Sensor When They are Replaced

When replacing the following parts, perform “2-4. Adjustment of Laser Luminance and Luminance Sensor”.

- Prism block assembly (Refer to Section 2-1-1.)
- C board (Refer to Section 2-1-2.)
- Laser unit assembly LEO
- Optics unit assembly LEO (Refer to Section 2-1-1.)
- Parts in optics unit assembly LEO
- SA board
- SB board
- Lens

## 2-2. Preparation for Electrical Adjustment

### 2-2-1. Required Equipment

- NTSC, PAL, SECAM component signal generator:  
Tektronix TG2000 + AVG1 (option module) + AWVG1 (option module) or equivalent
- VG (programmable video signal generator):  
ASTRODESIGN VG-828 or equivalent
- Chroma meter:  
KONICA MINOLTA CL-200 or equivalent

#### Note

Allow the warm-up time of 5 minutes after the power is on before starting the V com and White balance adjustments.

### 2-2-2. How to Enter the Service Mode

1. Press the **MENU** key.  
The menu appears.
2. Set the Status to “On” in the Operation menu.
3. Press the **MENU** key to close the MENU.
4. 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** and press the **ENTER** key.

#### How to exit the service mode

Perform the key operations in accordance with step 4.

The message “Do you want to return to the User Mode? **Yes** **No**” appears.  
Select **Yes** and press the **ENTER** key.

### 2-2-3. How to Enter the Model Name Display (Shop Demonstration) Mode

1. Set the “Status” to “On” in the “Setup” MENU.
2. Close the menu by pressing **MENU** button if its displayed.
3. Press the buttons in the following order in 5 seconds:  
**ENTER** → **↑** → **↓** → **ENTER**

Demonstration mode screen is displayed.

#### Tip

Even if the message “Not applicable!” is displayed, ignore it. If the key operations failed, wait for at least 6 seconds since the last key is pressed, and perform the key operations again.

4. Select “Model Name Display”.

#### Note

To exit the Model Name Display mode, perform step 3. “Demonstration mode screen” is displayed. Select “Off”.

## 2-3. V COM Adjustment

1. Enter the service mode. (Refer to Section 2-2-2.)
2. Select the menus in the following order: Device → Other → 07 Other/Pattern Enb. Then, set the value to “1”.
3. Select the menus in the following order: Device → Panel Driver → 04 P.Drv/V Common R, and adjust using  and  the value so that the flicker is minimum.
4. In the same way of step 2, adjust the value for minimal flicker on the menu 05 P.Drv/V Common G and 06 P.Drv/V Common B.
5. Select the menus in the following order: Device → Save To Memory. Select , and press the  key to save.
6. Select the menus in the following order: Installation → Image Flip and set it to either “V” or “HV”.
7. Perform the steps 2 to 5.
8. Select the menus in the following order: Installation → Image Flip and set back to “Off”.

## 2-4. Adjustment of Laser Luminance and Luminance Sensor

Perform this adjustment when replacing either the prism block assembly, C board, laser unit assembly LEO, optics unit assembly LEO, parts in optics unit assembly LEO, SA board, SB board, or lens. Be sure to perform this adjustment in the ambient temperature range of 15 C° to 30 C°.

### Note

- The laser diode is used as a light source of this unit.  
Never allow the light source to emit light with the cabinet removed.  
Otherwise, it may cause damage to eyes or skin.
- Do not remove the lens when the set is lighting.  
Otherwise, it may cause damage to eyes or skin.
- Do not release the protection switch with the cabinet removed.  
Otherwise, the light source may suddenly start emitting light, causing damage to eyes or skin.
- In order to avoid inappropriate use of the laser diode, do not disassemble the laser unit assembly LEO.

### 2-4-1. Required Equipment

- OPHIR laser power sensor PD300R-UV
- OPHIR display NOVA II
- Φ7.0 mm aperture
- Bandpass filter (product code: #86-350) made by Edmund Optics or the equivalent
- Personal computer (PC)
- RS-232C cross cable
- Brightness Adjustment Tool software

### Tip

For obtaining the software, please contact your local Sony Sales Office/Service Center.

- XL board (A-1970-760-A: SERVICE KIT ASSY)
- Tool harness (1-969-883-11)

## 2-4-2. Setting of This Unit and Power Meter Sensor

1. Set the lens shift to the right projection. (Center in horizontal direction, lower limit in vertical direction)
2. Set the lens zoom to tele end.
3. Set the lens focus to infinity. (Lens retracted state)
4. Attach the aperture and bandpass filter to the laser power sensor as shown in the illustration, and set it in front of the lens of this unit.

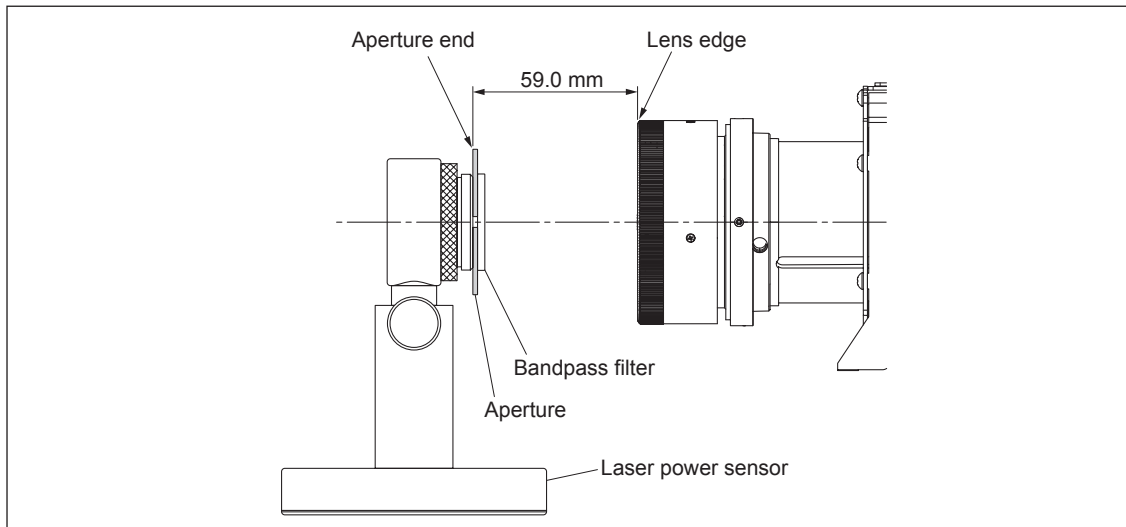
### Note

Check the distance between the lens edge of this unit and the aperture end (59.0 mm) at the two or more points.

5. Set so that the light output from the lens is vertical to the sensor surface of the laser power sensor.
6. Set so that the  $\Phi 7.0$  mm hole is located at the center of the projected image.

Create the aperture with the following specifications.

- $\Phi 7.0$  mm
  - $t = 0.3$  mm or less
  - Color: Black
  - Metal (aluminum, etc.)
7. Set the laser power sensor as follows.
    - Filter: IN
    - Range: 300 mW
    - Wavelength: 448 nm

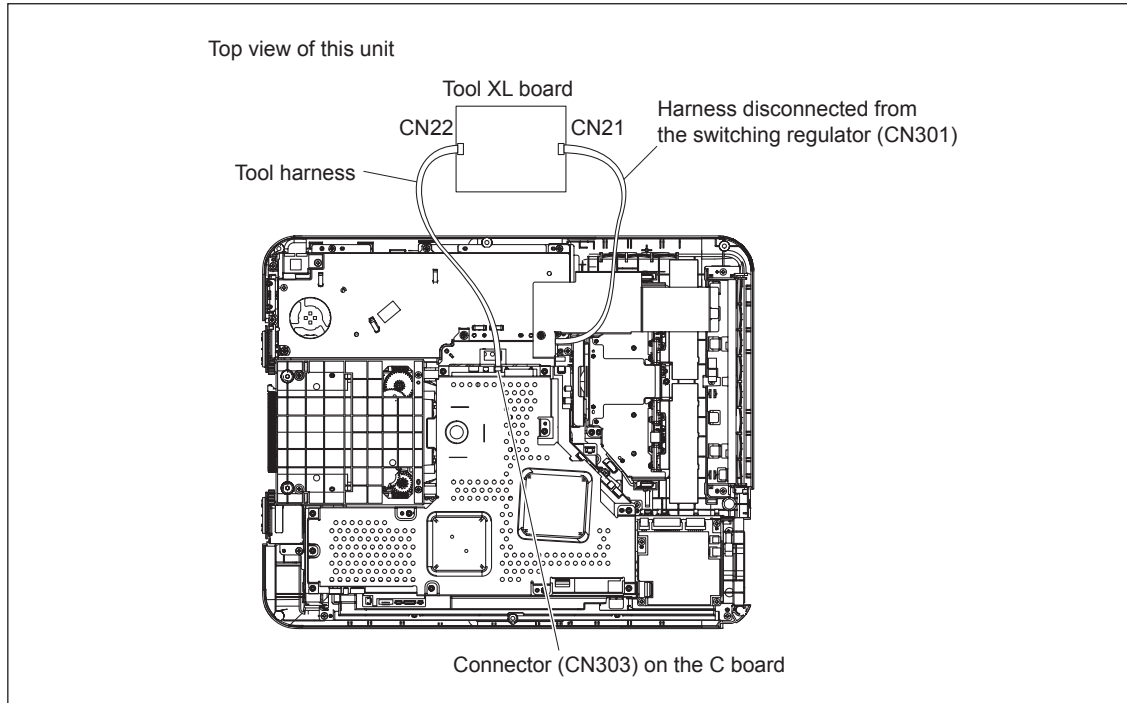


### 2-4-3. Preparation

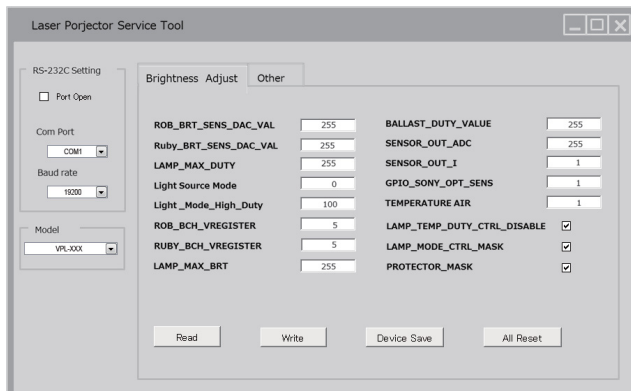
1. Remove the top panel assembly. (Refer to Section 1-4-3.)
2. Disconnect the harness from the connector (CN303) on the C board.
3. Connect the connector (CN303) on the C board and the connector (CN22) on the XL board using the tool harness, then connect the connector (CN21) on the XL board and the switching regulator (CN301) using the harness disconnected in step 2.

**Note**

Make sure that the tool harness is connected to the correct position.



4. Attach the top panel assembly.  
In order to prevent a short circuit with other metal, attach the insulation tape so that it covers each terminal portion of the two connectors on the XL board.
5. Connect the power cord to this unit.
6. Connect this unit and PC using the RS-232C cross cable.
7. Install the Laser Projector Service Tool software on PC.
8. Start the Laser Projector Service Tool software.

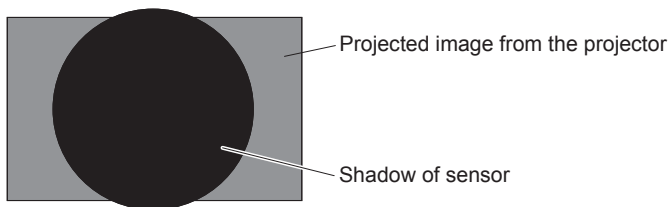


- Place a check mark in Port Open and check that the communication can be performed.

**Tip**

In case that the communication cannot be performed, check the connection of PC. If the problem persists, restart the Brightness Adjustment Tool software.

- Click the Brightness Adjust tab, then set the following three registers to 255.
  - ROB\_BRT\_SENS\_DAC\_VAL: Luminance sensor 1-threshold register
  - Ruby\_BRT\_SENS\_DAC\_VAL: Luminance sensor 2-threshold register
  - LAMP\_MAX\_DUTY: LD Duty adjustment register
- Place a check mark in each check box of the following two registers.
  - LAMP\_TEMP\_DUTY\_CTRL\_DISABLE
  - LAMP\_MODE\_CTRL\_MASK
  - PROTECTOR\_MASK
- Set the Light Source Mode register to 0 (HIGH).
- Set the LIGHT\_MODE\_HIGH\_DUTY to 100.
- Set the following two registers to 5.
  - ROB\_BCH\_VREGISTER
  - RUBY\_BCH\_VREGISTER
- Turn on the power of this unit.
- Set AUTO POWER SAVING With No Input on the menu screen of this unit to OFF.
- Set AUTO POWER SAVING With Static Signal on the menu screen of this unit to OFF.
- Set Constant Brightness on the menu screen of this unit to OFF.
- Check that BALLAST\_DUTY\_VALUE is 255.
- Remove the check mark from the check box of the following register.
  - LAMP\_TEMP\_DUTY\_CTRL\_DISABLE
- Perform the aging of this unit for more than 30 minutes.
- Input the Blue solid color in either the INPUT C connector or INPUT D connector, and then input the maximum value in the output.
- Set the contrast of this unit to maximum.
- Check that the laser power sensor is installed in front of the lens. (Refer to Section 2-4-2.)  
Check that the shadow of sensor at that time is positioned in the center of the projected image.



#### 2-4-4. Electronic Volume Adjustment

- Set ROB\_BRT\_SENS\_DAC\_VAL to 142.
- Adjust ROB\_BCH\_VREGISTER, and set to the value just before SENSOR\_OUT\_I becomes “1”.

**Note**

- Do not set ROB\_BCH\_VREGISTER to 5 or less.
- The change of 0 → 1 takes only 1 second to be reflected, however, the change of 1 → 0 takes 4 seconds.

- Set RUBY\_BRT\_SENS\_DAC\_VAL to 142.
- Adjust RUBY\_BCH\_VREGISTER, and set to the value just before GPIO\_SONY\_OPT\_SENS becomes “1”.

**Note**

- Do not set ROB\_BCH\_VREGISTER to 5 or less.
- The change of 0 → 1 takes only 1 second to be reflected, however, the change of 1 → 0 takes 4 seconds.

## 2-4-5. Luminance Dynamic range Adjustment

1. Measure the laser power.
2. Check that the laser power does not exceed the output limit value.  
If it exceeded the output limit value, adjust LAMP\_MAX\_DUTY so that the value is within the output limit value, and then perform the setting.  
Output limit value: 59.8 mW

### Note

When LAMP\_MAX\_DUTY is lowered, the amount of light tends to increase due to the decrease in the LD temperature. Therefore, take time for the adjustment.

## 2-4-6. Luminance Constant Mode Adjustment

1. Read the value of SENSOR\_OUT\_ADC.
2. Set this value to LAMP\_MAX\_BRT.

## 2-4-7. Luminance Sensor Adjustment

1. Change the value of ROB\_BRT\_SENS\_DAC\_VAL, and write down the value just before the value of SENSOR\_OUT\_I is changed “0” → “1” and the laser power value.  
Here, these values are called “ROBmax” and “P\_ROBmax”.

### Note

The change of 0 → 1 takes only 1 second to be reflected, however, the change of 1 → 0 takes 4 seconds.

2. Change the value of Ruby\_BRT\_SENS\_DAC\_VAL, and write down the value just before the value of GPIO\_SONY\_OPT\_SENS is changed “0” → “1” and the laser power value.  
Here, these values are called “RUBmax” and “P\_RUBmax”.

### Note

The change of 0 → 1 takes only 1 second to be reflected, however, the change of 1 → 0 takes 4 seconds.

3. Lower LAMP\_MAX\_DUTY by 30.  
Wait until the laser power value becomes stable. (Approx. 10 minutes)
4. Change the value of ROB\_BRT\_SENS\_DAC\_VAL, and write down the value just before the value of SENSOR\_OUT\_I is changed “0” → “1” and the laser power value.  
Here, these values are called “ROB30” and “P\_ROB30”.

### Note

The change of 0 → 1 takes only 1 second to be reflected, however, the change of 1 → 0 takes 4 seconds.

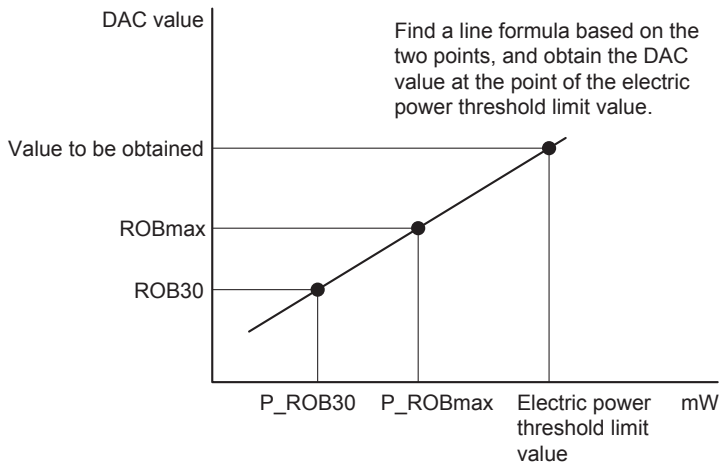
5. Change the value of Ruby\_BRT\_SENS\_DAC\_VAL, and write down the value just before the value of GPIO\_SONY\_OPT\_SENS is changed “0” → “1” and the laser power value.  
Here, these values are called “RUB30” and “P\_RUB30”.

### Note

The change of 0 → 1 takes only 1 second to be reflected, however, the change of 1 → 0 takes 4 seconds.

- Based on the values of the luminance sensor 1 and 2 that were written down, and the power wattage value, obtain the value at the point of “Electric power threshold limit value” using a formula.

Electric power threshold limit value = 64.0 mW



Set the obtained values in ROB\_BRT\_SENS\_DAC\_VAL and Ruby\_BRT\_SENS\_DAC\_VAL respectively. The formula is as follows.

$$\text{ROB\_BRT\_SENS\_DAC\_VAL} = \left( \frac{\text{“ROBmax”} - \text{“ROB30”}}{\text{“P\_ROBmax”} - \text{“P\_ROB30”}} \right) * \text{Electric power threshold limit value} + \left( \frac{\text{“ROBmax”} - \text{“ROB30”}}{\text{“P\_ROBmax”} - \text{“P\_ROB30”}} \right) * \text{“P\_ROBmax”}$$

- Check the TEMPERATURE AIR value, and subtract on the ROB side and RUB side as follows respectively.

TEMPERATURE AIR value	Subtract value
350 or less	0
350 to 375	1
376 to 425	2
426 to 475	3
476 to 525	4

- Set the subtracted value.

### 2-4-8. Device Save, Adjustment Items Check and ALL Reset

- Click the **Device Save** button to save the data.
- After replacing the laser unit assembly LEO, click the **Light Timer Reset** button of the Other tab.
- Turn off the power of this unit, then pull out the power cord from the outlet.
- Turn on the power of this unit again and check that the adjustment value is displayed in each of the following items.
  - LAMP\_MAX\_DUTY
  - LAMP\_MAX\_BRT
  - ROB\_BRT\_SENS\_DAC\_VAL
  - Ruby\_BRT\_SENS\_DAC\_VAL
  - ROB\_BCH\_VREGISTER
  - Ruby\_BCH\_VREGISTER
- After replacing the laser unit assembly LEO, check that Light Timer of the OSD menu indicates 0h.
- Click the **ALL Reset** button on the menu screen.



## 2-4-9. Removal of Tools

1. Disconnect the RS-232C cable from this unit.
2. Disconnect the power cord from this unit.
3. Remove the top panel assembly from this unit, then remove the tool XL board and tool harness.
4. Connect the harness to the connector (CN303) on the C board.
5. Attach the top panel assembly to this unit.

## 2-5. Software Update

### Tip

The software update is able to be performed via network, too. (Refer to Section 1-7-2.)

### 2-5-1. Preparation

---

#### Required equipment/Tools

- Personal computer (PC)
- RS-232C cross cable: RS-232C connection
- USB cable: USB connection
- Sub Flash upgrader for Sony Projector: Updater for Sub
- Pixelworks ImageProcessor SDK FlashUpgrader/SONY Custom: Updater for Main (scan converter)
- Anem Updater: Updater for Ext (Network)

### Note

- For obtaining the each application and version upgrade file, contact your local Sony Sales Office/ Service Center.
- For Ext (Network) updating PC, the installation of the softwares below is required.

Name	File name	Remarks
RXTXComPort	RXTXComPort.zip	
Flip	Flip_Installer_3_3_4.exe	
Java Runtime Environment	jre-6u16-windows-i586.exe	Version 6 Update16 or later
.NET Framework	NetFx20SP2_x86.exe	Version 2.0 SP2 or later
C run-time library 7	msvcr71.dll	

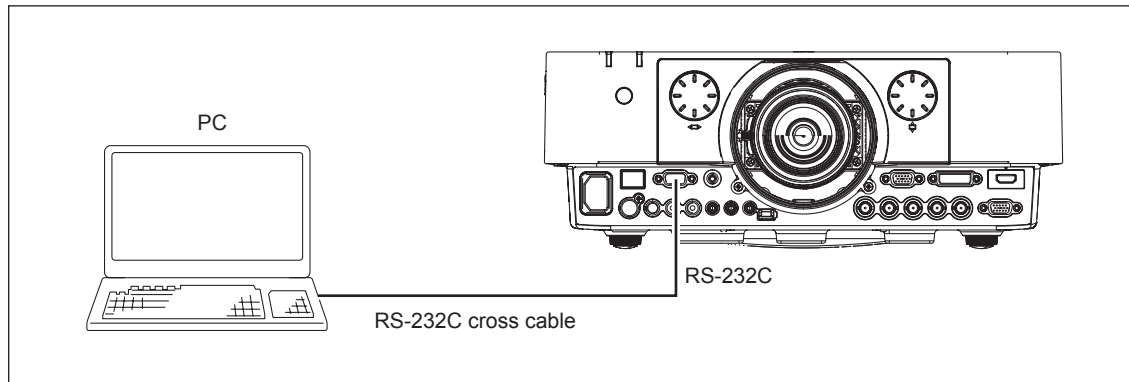
---

## Connection

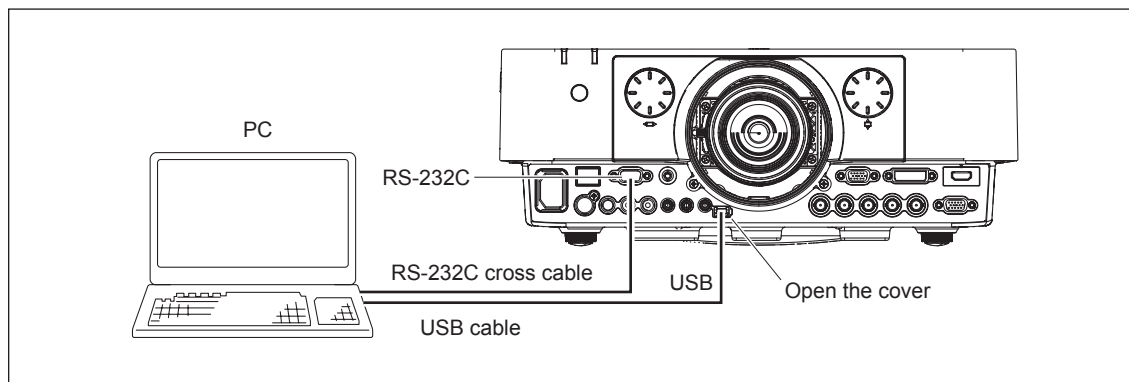
### Note

The Updater for Ext (Network) is available only connected by RS-232C.

### RS-232C connection



### USB-RS-232C dual connection



---

## Preparation

1. Set the Standby Mode to “Standard” in the Connection/Power menu.  
(Refer to Operating Instructions.)
2. Enter the service mode. (Refer to Section 2-2-2.)
3. Select the menus in the following order: Device → Other → 232C (38.4 k = 19.2 k = 1/9.6 k = 2).  
Then, set the value to “0”.
4. Install each application to PC.
5. Disconnect the power cord of this unit.
6. Connect this unit with PC by RS-232C or USB-RS-232C dual, referring to the connection figure.

## 2-5-2. Main (Scan Converter)

1. Copy the files to be written into the same folder of application file FlashUpgrader.exe.

### Note

For files to be written, please contact your local Sony Sales Office/Service Center.

2. Double-click FlashUpgrader.exe to start the application.  
Application name: Pixelworks ImageProcessor SDK FlashUpgrader/SONY Custom  
File name: FlashUpgrader.exe

3. Set the writing settings.

#### Common settings:

- Select Flash in Modes.
- Place the check on Notify On Completion.
- Place the check on Reset Target After Download.

#### For RS-232C connection:

- Select Serial.
- Select the serial port number used for connecting PC in COM Port.
- Select 115200 in Baud Rate.
- Place the check on UART\_SW.

#### For USB-RS-232C dual connection:

- Select USB-SONY.
- Select the serial port number used for connecting PC by RS-232C in COM port.
- Select 38400 in Baud Rate.

4. Select the update file.

Click the **Choose...** button, then select the target inf file.

5. Click the **Flash** button.

The update starts and a status bar is displayed.

Moreover, the **Flash** button changes to the **Cancel** button.

When the message “Flash Completed!” is displayed, the update is completed.

Or when the **Cancel** button changed to the **Flash**, the update is completed.

6. When continuing the update, perform the following.

**For RS-232C connection:** Turn off and on the power of this unit, then perform the procedure from step 4.

**For USB-RS-232C dual connection:** Change the Connection setting to “USB-FS”, then perform the procedure from step 4.

7. After the update is completed, disconnect the power cord. (Update completed)

### 2-5-3. Sub

1. Copy the three files rh2vXXXXX.dli, 5212.inf, and rh2vXXXXX.mot into the same folder of application file Flash.exe.

**Note**

XXXXX means version number.

2. Double-click Flash.exe to start the application.  
Application name: Sub Flash Upgrader for Sony Projector  
File name: Flash.exe
3. Check rh2vXXXXX.dli, 5212.inf, rh2vXXXXX.mot are selected in download information file, MCU Type setting, and ROM File Name respectively.
4. Click the **Setting** button of Com.  
The setting window for operation frequency and bit rate is displayed.
5. Set the following items.  
Bit rate: 38,400 bit/s  
Serial port: Serial port number/USB port number used for connecting PC  
Time out: Arbitrary (Communication retrial time. default: 5 sec.)
6. Select "UserProgram Mode".
7. Click the **Start** button.  
The start window is displayed.
8. Click the **OK** button.  
The "Please AC Plug In" window is displayed.
9. Connect the power cord.
10. Check the Standby Mode is set to "Standard".
11. Click the **OK** button.  
The writing starts, and the write window is displayed.
12. The End window is displayed. (Upgrade completed)

## 2-5-4. Ext (Network)

1. Add “AT32UC3A0128.xml” to the following.  
ProgramFiles\Atmel\Flip3.3.4\bin\PartDescriptionFiles
2. Start the command prompt.
3. Add C:\Projector\FLEX-ANEM\ANEM Updater to path.
4. Execute “ANEMUpdateSerialCom.exe COM\*”.  
**Note** For COM\*, enter the serial port number used for connecting PC.
5. Execute “batchisp -device AT32UC3A1512 -hardware RS232 -port COM\* -baudrate 115200 -operation ERASE F MEMORY flash LOADBUFFER “C:\Projector\FLEX-ANEM\ANEM Updater\ah1uvXXX.hex” PROGRAM start reset 0”  
The updating starts, then the results are displayed as PASS or FAIL.
6. Check that no FAIL is displayed.  
When the FAIL is displayed, repeat from step 1.

### Example screen of updating the ROM.hex in C:\Projector\FLEX-ANEM\ANEM Updater via COM1

```
C:\Projector\FLEX-ANEM\ANEM Updater>path %path%;C:\Projector\FLEX-ANEM Updater
C:\Projector\FLEX-ANEM\ANEM Updater>ANEMUpdateSerialCom.exe COM1
** Serial communication path change. Program start. Ver 0.0.1 **
** COM Port open with Projector Setting. **
** Serial communication path change by Du User Command. **
** COM Port Close. **
** COM Port open with ANEM Setting. **
** Start boot loader **

C:\Projector\FLEX-ANEM\ANEM Updater>batchisp -device AT32UC3A0128 -hardware RS232 -port COM1 -baudrate 115200 -operation
ERASE F MEMORY EXT_MEM_CS0 onfail abort LOADBUFFER "C:\Projector\FLEX-ANEM\ANEM Updater\ROM.hex" PROGRAM onfail abort
start reset 0
Running batchisp 1.2.4 on Mon Nov 05 15:21:15 2012
AT32UC3A0128 - RS232 - COM1 - 115200

Device selection..... PASS
Hardware selection..... PASS
Opening port..... PASS
Synchronizing target..... PASS
Reading Boot loader version..... PASS 1.0.0
Erasing..... PASS
Selecting External Memory 0..... PASS
Parsing HEX file..... PASS C:\ROM.hex
Programming memory..... PASS 0x00000 0xfffff
Starting Application..... PASS RESET 0

Summary: Total 10 Passed 10 Failed 0
```

The executed commands are in blue. The parameters needed to set are in yellow.

### 2-5-5. Ext (Network) Reset

1. Connect the power cord and set this unit to standby state.
2. Start the command prompt.
3. Copy ANEM\_Reset.exe into C:\Projector\FLEX-ANEM.
4. Execute “C:\Projector\FLEX-ANEM\ANEM\_Reset.exe COM\*” on the command prompt.  
**Note** For COM\*, enter the serial port number used for connecting PC.
5. Check that “Completed!!” is displayed.  
When “Failed” is displayed, disconnect the power cord of this unit, then perform from step 1 again.
6. Disconnect the power cord.

#### Example screen of Ext reset via COM1

```
C:\>C:\Projector\FLEX-ANEM\ANEM_reset\ANEM_Reset.exe COM1
Completed!! Please turn off the AC power supply.
C:\>
```

## 2-6. Quick Access2

### 2-6-1. Preparation

---

#### Required equipment/Tools

- Personal computer (PC): RS-232C interface equipped
- RS-232C cross cable
- QuickAccess2: Executable: QuickAccess2.exe

---

#### Preparation

1. Install the QuickAccess2 in PC.
2. Connect this unit with PC. (Refer to RS-232C connection in Section 2-5-1.)

### 2-6-2. Saving of C Board/Opt Unit/3DGamma/LookUpTable/Chiral/GCFB Data

1. Connect the power cord and set this unit to standby state.
2. Press the I/O button on this unit.  
The lamp lights and the image is displayed.
3. Double-click QuickAccess2.exe to start the application.
4. Select a target model on the Model pull-down menu.
5. Select Save on the Load/Save pull-down menu.
6. Select the data type (C Board/Opt Unit/3DGamma/LookUpTable/Chiral/GCFB) on the Data Type pull-down menu.
7. Click the **Next** button.
8. Click the **Browse...** button.  
The file selection window is displayed.
9. Select the destination file for the obtained data.
10. Click the **Next** button.
11. Select the serial port used for connecting PC on the Serial Port pull-down menu.  
Upper line: Serial port number used for connecting PC  
Lower line: 38400
12. Click the **Next** button.  
The window displaying the model name of this unit, serial number, and the file path of the destination of the obtained data to save is displayed.
13. Click the **OK** button.  
The saving starts. Completed is displayed after completed.
14. Press the I/O button and set this unit to standby state.
15. Disconnect the power cord.
16. Click the **Complete** button.

### 2-6-3. Saving of DDC Data

1. Connect the power cord and set this unit to standby state.
2. Double-click QuickAccess2.exe to start the application.
3. Select a target model on the Model pull-down menu.
4. Select Save on the Load/Save pull-down menu.
5. Select DDC on the Data Type pull-down menu.
6. Click the **Next** button.
7. Click the **Browse...** button.  
The file selection window is displayed.
8. Set the destination file for the obtained data as below.  
DDC data for INPUT B: BPJ\_WUXGA\_Pixie\_VGA\_0\_\*\*.dat  
DDC data for INPUT C: BPJ\_WUXGA\_Pixie\_VGA\_1\_\*\*.dat  
HDMI data for INPUT D: BPJ\_WUXGA\_Pixie\_Audio\_HDMI\_2\_\*\*.dat  
**Note**  
\*\* means version.
9. Click the **Next** button.
10. Select the serial port used for connecting PC on the Serial Port pull-down menu.  
Upper line: Serial port number used for connecting PC  
Lower line: 38400
11. Click the **Next** button.  
The window displaying the model name of this unit, serial number, and the file path of the destination of the obtained data to save is displayed.
12. Click the **OK** button.  
The saving starts. Completed is displayed after completed.
13. Disconnect the power cord.
14. Click the **Complete** button.



## 2-6-4. Saving of NVM Data

1. Connect the power cord and set this unit to standby state.
2. Double-click QuickAccess2.exe to start the application.
3. Select a target model on the Model pull-down menu.
4. Select Save on the Load/Save pull-down menu.
5. Select NVM on the Data Type pull-down menu.
6. Click the **Next** button.
7. Select the serial port used for connecting PC on the Serial Port pull-down menu.  
Upper line: Serial port number used for connecting PC  
Lower line: 38400
8. Click the **Next** button.
9. Select "SAVE\_ALL" on the Save field.
10. Check the Verify check box.
11. Click the **Browse...** button.  
The file selection window is displayed.
12. Set the destination file for the obtained data.
13. Click the **Next** button.  
The saving starts.  
After completed, The message "Verify Success! Reading Model Name, Serial Number, NVM Map Version and NVM Data Version is successful." is displayed.
14. Click the **OK** button.  
Completed is displayed.
15. Disconnect the power cord.
16. Click the **Complete** button.

## 2-6-5. Writing of C Board/Opt Unit/3DGamma/LookUpTable/Chiral/GCFB Data

1. Connect the power cord and set this unit to standby state.
2. Press the I/O button on this unit.  
The lamp lights and the image is displayed.
3. Double-click QuickAccess2.exe to start the application.
4. Select a target model on the Model pull-down menu.
5. Select Load on the Load/Save pull-down menu.
6. Select the data type (C Board/Opt Unit/3DGamma/LookUpTable/Chiral/GCFB) on the Data Type pull-down menu.
7. Click the **Next** button.
8. Click the **Browse...** button.  
The file selection window is displayed.
9. Select the file to be written.
10. Click the **Next** button.
11. Select the serial port used for connecting PC on the Serial Port pull-down menu.  
Upper line: Serial port number used for connecting PC  
Lower line: 38400
12. Click the **Next** button.  
The window displaying the file path, model name written in file, unit serial, serial number, model name of this unit, and serial number is displayed.
13. Click the **OK** button.  
The writing starts. Completed is displayed after completed.
14. Press the I/O button and set this unit to standby state.
15. Disconnect the power cord.
16. Click the **Complete** button.

## 2-6-6. Writing of DDC Data

1. Connect the power cord and set this unit to standby state.
2. Double-click QuickAccess2.exe to start the application.
3. Select a target model on the Model pull-down menu.
4. Select Load on the Load/Save pull-down menu.
5. Select DDC on the Data Type pull-down menu.
6. Click the **Next** button.
7. Click the **Browse...** button.  
The file selection window is displayed.
8. Set the destination file for the writing data as below.  
DDC data for INPUT B: BPJ\_WUXGA\_Pixie\_VGA\_0\_\*\*.dat  
DDC data for INPUT C: BPJ\_WUXGA\_Pixie\_VGA\_1\_\*\*.dat  
HDMI data for INPUT D: BPJ\_WUXGA\_Pixie\_Audio\_HDMI\_2\_\*\*.dat  
**Note**  
\*\* means version.
9. Click the **Next** button.
10. Select the serial port used for connecting PC on the Serial Port pull-down menu.  
Upper line: Serial port number used for connecting PC  
Lower line: 38400
11. Click the **Next** button.  
The window displaying the file path, model name written in file, unit serial, serial number, and DDC ID is displayed.
12. Click the **OK** button.  
The writing starts. Completed is displayed after completed.
13. Disconnect the power cord.
14. Click the **Complete** button.

## 2-6-7. Writing of NVM Data

1. Connect the power cord and set this unit to standby state.
2. Double-click QuickAccess2.exe to start the application.
3. Select a target model on the Model pull-down menu.
4. Select Load on the Load/Save pull-down menu.
5. Select NVM on the Data Type pull-down menu.
6. Click the **Next** button.
7. Select the serial port used for connecting PC on the Serial Port pull-down menu.  
Upper line: Serial port number used for connecting PC  
Lower line: 38400
8. Click the **Next** button.
9. Select "ALL" on the Load field.
10. Check the Verify check box.
11. Click the **Browse...** button.  
The file selection window is displayed.
12. Set the destination file for the writing data.
13. Click the **Next** button.  
The writing starts.  
After completed, The message "Turn Off and On the AC, and then Power On to enable the new settings." is displayed.
14. Click the **OK** button.  
Completed is displayed.
15. Disconnect the power cord.
16. Click the **Complete** button.

## 2-7. Adjustment Item Initialize Data

### Initialize data 1

Menu Title	Item Name	Memory Name								
		Set Memory	Sub Micro Memory	No Memory	Status Memory	Eco Memory	Picture Memory			
							Dynamic	Standard	Presen	
Picture	Picture Mode				*1					
	Reset									
	Contrast					90	80	80 *2		
	Brightness					50	50	50		
	Color					70	50	50		
	Hue					50	50	50		
	Color Temp.					LOW	LOW	PRESENTATION		
	Custom1 / Custom2 / Custom3									
	Gain R	0								
	G	0								
	B	0								
	Bias R	0								
	G	0								
	B	0								
	Custom2									
	Gain R	0								
	G	0								
	B	0								
	Bias R	0								
	G	0								
	B	0								
	Custom3									
	Gain R	0								
	G	0								
	B	0								
	Bias R	0								
	G	0								
	B	0								
	Sharpness						50	50	50	
	Film Mode						AUTO	AUTO	AUTO	
Black Level Adj.						LOW	OFF	OFF		
Gamma Mode						GRAPHICS2	GRAPHICS2	GRAPHICS1		
Screen	Wide Mode(SD)	4_3								
	Wide Mode(HD)	16_9								
	Wide Mode(PC)	FULL_1								
	Over Scan				*1					
	Adjust Signal									
	APA									
	Dot Phase				*1					
	Pitch				*1					
Shift				*1						
Function	Audio Output Vol.	30								
	Smart APA	ON								
	CC Display	OFF								
	Background	BLUE								
	Start Up Image	ON								
	All Reset									

(Continue to Next page)

Menu Title	Item Name	Memory Name							
		Set Memory	Sub Micro Memory	No Memory	Status Memory	Eco Memory	Picture Memory		
							Dynamic	Standard	Presen
Operation	Lauguage	ENGLISH							
	Menu Position	BOTTOM LEFT							
	Status	ON							
	IR Receiver		FRONT & REAR						
	ID Mode		ALL						
	Security Lock	OFF							
	Panel Key Lock		OFF						
Connection Power	Network Setting								
	IP Address Setup	AUTO(DHCP)							
	IP Address								
	Subnet Mask								
	Default Gateway								
	Primary DNS								
	Secondary DNS								
	Apply								
	MAC Address								
	IPv6 Address Setup	Display only							
	Prefix	Display only							
	IPv6 Default Gateway	Display only							
	DNS Address Setup	Display only							
	Primary DNS	Display only							
	Secondary DNS	Display only							
	MAC Address	Display only							
	Input-A Signal Sel.	AUTO							
	Color System	AUTO							
	Light Output Mode	Standard							
	Constant Brightness	OFF							
	With No Input					OFF			
	With Static Signal					Light Dimming			
	Light Dimming					10 min.			
Standby Mode		STANDARD							
Quick Reboot	OFF								
Direct Power On		OFF							
Installation	Edge Blending	OFF							
	Blending Range								
	Top	0							
	Bottom	0							
	Left	0							
	Right	0							
	Zone Black Level Adj. Zone								
	Zone1 R	0							
	G	0							
	B	0							
	Zone2 R	0							
	G	0							
	B	0							
	Zone3 R	0							
	G	0							
	B	0							

(Continue to Next page)

Menu Title	Item Name	Memory Name							
		Set Memory	Sub Micro Memory	No Memory	Status Memory	Eco Memory	Picture Memory		
							All Channels		
						Dynamic	Standard	Presen	
Installation	Zone4 R	0							
	G	0							
	B	0							
	Zone5 R	0							
	G	0							
	B	0							
	Zone6 R	0							
	G	0							
	B	0							
	Zone7 R	0							
	G	0							
	B	0							
	Zone8 R	0							
	G	0							
	B	0							
	Zone9 R	0							
	G	0							
	B	0							
	Blend Gamma	Mode 4							
	Image Split	OFF							
	Screen Fitting	HV KEYSTONE							
	V Keystone	0							
	H Keystone	0							
	Warping								
	Image Flip	OFF							
	Installation Attitude	RIGHT SIDE UP							
High Altitude Mode	OFF								
Screen Aspect	16_10								
Panel Alignment	OFF								
Color Matching									
Information	Model Name	Display only							
	Serial Number	Display only							
	fH	Display only							
	fV	Display only							
	signal info	Display only							
	signal info	Display only							
	Main ROM Version	Display only							
	NVM Version	Display only							
	Sub ROM Version	Display only							
	EXT ROM Version	Display only							
	Light Timer	Display only							
	Operation Timer	Display only							

\*1: "Phase, Pitch, Shift H/V" in the "Adjust Signal" menu have the initial value respectively in accordance with the input signal (PRESET MEMORY No.).

\*2: CN model: "50"

## Initialize data 2

Device Name	Item Name		Memory Name						
			Set Memory	Sub Micro Memory	Video Chrome Memory				
					Video				
			Noinput	NTSC3.58	NTSC4.43	PAL	PALM	PALN	
A/D Converter	ADC/	R Gain (Other)							
		R Gain (VideoGBR)							
		R Gain (Component 15k)							
		R Gain (Component 30k)							
		R Gain (Component HD)							
		G Gain (Other)							
		G Gain (VideoGBR)							
		G Gain (Component 15k)							
		G Gain (Component 30k)							
		G Gain (Component HD)							
		B Gain (Other)							
		B Gain (VideoGBR)							
		B Gain (Component 15k)							
		B Gain (Component 30k)							
		B Gain (Component HD)							
		R Offset (Other)							
		R Offset (VideoGBR)							
		R Offset (Component 15k)							
		R Offset (Component 30k)							
		R Offset (Component HD)							
		G Offset (Other)							
		G Offset (VideoGBR)							
		G Offset (Component 15k)							
		G Offset (Component 30k)							
	G Offset (Component HD)								
	B Offset (Other)								
	B Offset (VideoGBR)								
	B Offset (Component 15k)								
	B Offset (Component 30k)								
	B Offset (Component HD)								
	SS/	SonG Threshold							
		SonG Hysterisis Disable							
		SonG Filter Enable							
		HS0 Treshold							
		HS1 Treshold							
		HS Filter Disable							
Sub ADC/	R Gain								
	G Gain								
	B Gain								
	R Offset								
	G Offset								
	B Offset								

(Continue to Next page)



Device Name	Item Name		Memory Name						
			Set Memory	Sub Micro Memory	Video Chrome Memory				
					Video				
			Noinput	NTSC3.58	NTSC4.43	PAL	PALM	PALN	
C.Dec	C.Dec	Entry Den	33						
		Entry Num	16						
		Exit Den	28						
		Exit Num	16						
		CB Max Off set		9	9	9	9	9	9
		Secam H Cent	33/33 (Video/Svideo)						
		CV H Cent		16	16	16	16	15	16
		CV Y Delay		6	6	6	6	6	6
		CV CB Pos		2	7	3	2	2	2
		S H Cent		16	16	16	16	16	16
		S Y Delay		6	6	6	6	6	6
		S CB Pos		2	7	3	2	2	2
		Video Color	"Noinput:256 NTSC,NTSC4.43:194 PAL,PAL-M,PAL- N,PAL60,Secam:207 BW60,BW50:256"						
		Video Bright	16 (NoInput + CololSystem (9))						
Killer Lev		64	64	64	64	80	64		
Killer Lev BW	36/36 (Video/Svideo)								
Panel Driver	P.Drv	Gain R	244						
		Gain G	244						
		Gain B	244						
		V Common R							
		V Common G							
		V Common B							
		Volt Tune R	128						
		Volt Tune G	128						
Volt Tune B	128								
Display Engine	DE/	LUT Through	0						
		UF Enb	1						
		R SHP	41						
		G SHP	41						
		B SHP	41						
		DE/R REG H	0						
		DE/R REG V	0						
		DE/B REG H	0						
		DE/B REG V	0						
		G PANEL LR	0						
		DFT AUT	1						
		HPC R RGT0	Read Data						
		HPC G RGT0	Read Data						
		HPC B RGT0	Read Data						
		HPC R RGT1	Read Data						
		HPC G RGT1	Read Data						
		HPC B RGT1	Read Data						
		HPC R DATA0	0						
		HPC G DATA0	0						
		HPC B DATA0	0						
HPC R DATA1	0								
HPC G DATA1	0								
HPC B DATA1	0								

(Continue to Next page)

Device Name	Item Name		Memory Name							
			Set Memory	Sub Micro Memory	Video Chrome Memory					
					Video					
Noinput	NTSC3.58	NTSC4.43	PAL	PALM	PALN					
Other	Other/	Synchronous	1							
		Pattern Enb								
		Pattern Type								
		Pattern R Enb								
		Pattern G Enb								
		Pattern B Enb								
		Pattern Section	1							
		All Black Input Mode								
		RS232C bps		0						
		HDMI Range	0							
		Lamp Gain	Read Data							
		Lens Parameter	0							
User Language Enable	0									
W/B	High	Gain R								
		G								
		B								
		Bias R								
		G								
		B								
	Middle	Gain R								
		G								
		B								
		Bias R								
		G								
		B								
	Low	Gain R								
		G								
		B								
		Bias R								
		G								
		B								
	Presentation	Gain R								
		G								
		B								
		Bias R								
		G								
		B								
	Custom 1	Gain R								
		G								
		B								
		Bias R								
		G								
		B								
Custom 2	Gain R									
	G									
	B									
	Bias R									
	G									
	B									
Custom 3	Gain R									
	G									
	B									
	Bias R									
	G									
	B									

Device Name	Item Name		Memory Name										
			Video Chrome Memory				Video Chrome Memory						
			Video				S Video						
			SECAM	BW60	BW50	PAL60	Noinput	NTSC3.58	NTSC4.43	PAL	PALM	PALN	SECAM
A/D Converter	ADC/	R Gain (Other)											
		R Gain (VideoGBR)											
		R Gain (Component 15k)											
		R Gain (Component 30k)											
		R Gain (Component HD)											
		G Gain (Other)											
		G Gain (VideoGBR)											
		G Gain (Component 15k)											
		G Gain (Component 30k)											
		G Gain (Component HD)											
		B Gain (Other)											
		B Gain (VideoGBR)											
		B Gain (Component 15k)											
		B Gain (Component 30k)											
		B Gain (Component HD)											
		R Offset (Other)											
		R Offset (VideoGBR)											
		R Offset (Component 15k)											
		R Offset (Component 30k)											
		R Offset (Component HD)											
		G Offset (Other)											
		G Offset (VideoGBR)											
		G Offset (Component 15k)											
		G Offset (Component 30k)											
		G Offset (Component HD)											
		B Offset (Other)											
		B Offset (VideoGBR)											
		B Offset (Component 15k)											
	B Offset (Component 30k)												
	B Offset (Component HD)												
	SS/	SonG Threshold											
		SonG Hysterisis Disable											
		SonG Filter Enable											
		HS0 Treshold											
		HS1 Treshold											
		HS Filter Disable											
	Sub ADC/	R Gain											
		G Gain											
B Gain													
R Offset													
G Offset													
B Offset													

(Continue to Next page)

Device Name	Item Name		Memory Name										
			Video Chrome Memory				Video Chrome Memory						
			Video				S Video						
			SECAM	BW60	BW50	PAL60	Noinput	NTSC3.58	NTSC4.43	PAL	PALM	PALN	SECAM
C.Dec	C.Dec	Entry Den											
		Entry Num											
		Exit Den											
		Exit Num											
		CB Max Off set	0	9	9	9	9	9	9	9	9	9	0
		Secam H Cent											
		CV H Cent	34	16	16	16	16	16	16	16	15	16	34
		CV Y Delay	6	6	6	6	6	6	6	6	6	6	6
		CV CB Pos	6	7	1	2	2	7	3	2	2	2	6
		S H Cent	34	16	16	16	16	16	16	16	16	16	34
		S Y Delay	6	6	6	6	6	6	6	6	6	6	6
		S CB Pos	6	6	5	2	2	7	3	2	2	2	6
		Video Color											
		Video Bright											
		Killer Lev	34	64	64	64	64	64	64	64	80	64	34
Killer Lev BW													
Panel Driver	P.Drv	Gain R											
		Gain G											
		Gain B											
		V Common R											
		V Common G											
		V Common B											
		Volt Tune R											
		Volt Tune G											
		Volt Tune B											
Display Engine	DE/	LUT Through											
		UF Enb											
		R SHP											
		G SHP											
		B SHP											
		DE/R REG H											
		DE/R REG V											
		DE/B REG H											
		DE/B REG V											
		G PANEL LR											
		DFT AUT											
		HPC R RGT0											
		HPC G RGT0											
		HPC B RGT0											
		HPC R RGT1											
		HPC G RGT1											
		HPC B RGT1											
		HPC R DATA0											
		HPC G DATA0											
		HPC B DATA0											
		HPC R DATA1											
HPC G DATA1													
HPC B DATA1													

(Continue to Next page)

Device Name	Item Name		Memory Name											
			Video Chrome Memory				Video Chrome Memory							
			Video				S Video							
			SECAM	BW60	BW50	PAL60	Noinput	NTSC3.58	NTSC4.43	PAL	PALM	PALN	SECAM	
Other	Other/	Synchronous												
		Pattern Enb												
		Pattern Type												
		Pattern R Enb												
		Pattern G Enb												
		Pattern B Enb												
		Pattern Section												
		All Black Input Mode												
		RS232C bps												
		HDMI Range												
		Lamp Gain												
		Lens Parameter												
		User Language Enable												
W/B	High	Gain R												
		G												
		B												
		Bias R												
		G												
		B												
	Middle	Gain R												
		G												
		B												
		Bias R												
		G												
		B												
	Low	Gain R												
		G												
		B												
		Bias R												
		G												
		B												
	Presentation	Gain R												
		G												
		B												
		Bias R												
		G												
		B												
	Custom 1	Gain R												
		G												
		B												
		Bias R												
		G												
		B												
Custom 2	Gain R													
	G													
	B													
	Bias R													
	G													
	B													
Custom 3	Gain R													
	G													
	B													
	Bias R													
	G													
	B													

Device Name	Item Name		Memory Name										
			Video Chrome Memory			Channel Memory							
			S Video			Video	S Video	Input-A	Input-B	Input-C	Input-D	Input-E	
			BW60	BW50	PAL60								
A/D Converter	ADC/	R Gain (Other)				200	32	248	176				
		R Gain (VideoGBR)						247					
		R Gain (Component 15k)							266				
		R Gain (Component 30k)							266				
		R Gain (Component HD)							258				
		G Gain (Other)				32	209	248	176				
		G Gain (VideoGBR)						250					
		G Gain (Component 15k)						249					
		G Gain (Component 30k)						248					
		G Gain (Component HD)						245					
		B Gain (Other)				32	32	255	176				
		B Gain (VideoGBR)						254					
		B Gain (Component 15k)						263					
		B Gain (Component 30k)						263					
		B Gain (Component HD)						258					
		R Offset (Other)				16	128	16	16				
		R Offset (VideoGBR)						16					
		R Offset (Component 15k)						128					
		R Offset (Component 30k)						128					
		R Offset (Component HD)						128					
	G Offset (Other)				16	16	16	16					
	G Offset (VideoGBR)						16						
	G Offset (Component 15k)						16						
	G Offset (Component 30k)						16						
	G Offset (Component HD)						16						
	B Offset (Other)				16	128	16	16					
	B Offset (VideoGBR)						16						
	B Offset (Component 15k)						128						
	B Offset (Component 30k)						128						
	B Offset (Component HD)						128						
		SS/	SonG Threshold				3	3	3	3	3	3	3
			SonG Hysterisis Disable				1	1	1	1	1	1	1
			SonG Filter Enable				0	0	0	0	0	0	0
	HS0 Treshold					5	5	5	5	5	5	5	
	HS1 Treshold					5	5	5	5	5	5	5	
	HS Filter Disable					0	0	0	0	0	0	0	
	Sub ADC/	R Gain				0	0	0	551	0	0	0	
		G Gain				0	0	0	548	0	0	0	
		B Gain				0	0	0	558	0	0	0	
		R Offset				0	0	0	64	0	0	0	
		G Offset				0	0	0	64	0	0	0	
		B Offset				0	0	0	64	0	0	0	

(Continue to Next page)

Device Name	Item Name		Memory Name										
			Video Chrome Memory			Channel Memory							
			S Video			Video	S Video	Input-A	Input-B	Input-C	Input-D	Input-E	
			BW60	BW50	PAL60								
C.Dec	C.Dec	Entry Den											
		Entry Num											
		Exit Den											
		Exit Num											
		CB Max Off set	9	9	9								
		Secam H Cent											
		CV H Cent	16	16	16								
		CV Y Delay	6	6	6								
		CV CB Pos	7	1	2								
		S H Cent	16	16	16								
		S Y Delay	6	6	6								
		S CB Pos	6	5	2								
		Video Color											
		Video Bright											
		Killer Lev	64	64	64								
Killer Lev BW													
Panel Driver	P.Drv	Gain R											
		Gain G											
		Gain B											
		V Common R											
		V Common G											
		V Common B											
		Volt Tune R											
		Volt Tune G											
		Volt Tune B											
Display Engine	DE/	LUT Through											
		UF Enb											
		R SHP											
		G SHP											
		B SHP											
		DE/R REG H											
		DE/R REG V											
		DE/B REG H											
		DE/B REG V											
		G PANEL LR											
		DFT AUT											
		HPC R RGT0											
		HPC G RGT0											
		HPC B RGT0											
		HPC R RGT1											
		HPC G RGT1											
		HPC B RGT1											
		HPC R DATA0											
		HPC G DATA0											
		HPC B DATA0											
HPC R DATA1													
HPC G DATA1													
HPC B DATA1													

(Continue to Next page)

Device Name	Item Name		Memory Name									
			Video Chrome Memory			Channel Memory						
			S Video			Video	S Video	Input-A	Input-B	Input-C	Input-D	Input-E
			BW60	BW50	PAL60							
Other	Other/	Synchronous										
		Pattern Enb										
		Pattern Type										
		Pattern R Enb										
		Pattern G Enb										
		Pattern B Enb										
		Pattern Section										
		All Black Input Mode										
		RS232C bps										
		HDMI Range										
		Lamp Gain										
		Lens Parameter										
User Language Enable												
W/B	High	Gain R										
		G										
		B										
		Bias R										
		G										
		B										
	Middle	Gain R										
		G										
		B										
		Bias R										
		G										
		B										
	Low	Gain R										
		G										
		B										
		Bias R										
		G										
		B										
	Presentation	Gain R										
		G										
		B										
		Bias R										
		G										
		B										
	Custom 1	Gain R										
		G										
		B										
		Bias R										
		G										
		B										
Custom 2	Gain R											
	G											
	B											
	Bias R											
	G											
	B											
Custom 3	Gain R											
	G											
	B											
	Bias R											
	G											
	B											



Device Name	Item Name		Memory Name								No Memory
			Image Flip Memory		W/B Memory(PC)			W/B Memory(Video)			
			Flip vertical	Not flip vertical	LampMode High	LampMode Standard	LampMode Auto/Custom	LampMode High	LampMode Standard	LampMode Auto/Custom	
A/D Converter	ADC/	R Gain (Other)									
		R Gain (VideoGBR)									
		R Gain (Component 15k)									
		R Gain (Component 30k)									
		R Gain (Component HD)									
		G Gain (Other)									
		G Gain (VideoGBR)									
		G Gain (Component 15k)									
		G Gain (Component 30k)									
		G Gain (Component HD)									
		B Gain (Other)									
		B Gain (VideoGBR)									
		B Gain (Component 15k)									
		B Gain (Component 30k)									
		B Gain (Component HD)									
		R Offset (Other)									
		R Offset (VideoGBR)									
		R Offset (Component 15k)									
		R Offset (Component 30k)									
		R Offset (Component HD)									
		G Offset (Other)									
		G Offset (VideoGBR)									
		G Offset (Component 15k)									
		G Offset (Component 30k)									
	G Offset (Component HD)										
	B Offset (Other)										
	B Offset (VideoGBR)										
	B Offset (Component 15k)										
	B Offset (Component 30k)										
	B Offset (Component HD)										
	SS/	SonG Threshold									3
		SonG Hysterisis Disable									1
		SonG Filter Enable									0
		HS0 Treshold									5
		HS1 Treshold									5
		HS Filter Disable									0
Sub ADC/	R Gain									0	
	G Gain									0	
	B Gain									0	
	R Offset									0	
	G Offset									0	
	B Offset									0	

(Continue to Next page)

Device Name	Item Name		Memory Name									No Memory
			Image Flip Memory		W/B Memory(PC)			W/B Memory(Video)				
			Flip vertical	Not flip vertical	LampMode High	LampMode Standard	LampMode Auto/Custom	LampMode High	LampMode Standard	LampMode Auto/Custom		
C.Dec	C.Dec	Entry Den										
		Entry Num										
		Exit Den										
		Exit Num										
		CB Max Off set										
		Secam H Cent										
		CV H Cent										
		CV Y Delay										
		CV CB Pos										
		S H Cent										
		S Y Delay										
		S CB Pos										
		Video Color										
		Video Bright										
		Killer Lev										
Killer Lev BW												
Panel Driver	P.Drv	Gain R										
		Gain G										
		Gain B										
		V Common R	124	124								
		V Common G	114	114								
		V Common B	108	108								
		Volt Tune R										
		Volt Tune G										
		Volt Tune B										
Display Engine	DE/	LUT Through										
		UF Enb										
		R SHP										
		G SHP										
		B SHP										
		DE/R REG H										
		DE/R REG V										
		DE/B REG H										
		DE/B REG V										
		G PANEL LR										
		DFT AUT										
		HPC R RGT0										
		HPC G RGT0										
		HPC B RGT0										
		HPC R RGT1										
		HPC G RGT1										
		HPC B RGT1										
		HPC R DATA0										
		HPC G DATA0										
		HPC B DATA0										
HPC R DATA1												
HPC G DATA1												
HPC B DATA1												

(Continue to Next page)

Device Name	Item Name		Memory Name								No Memory
			Image Flip Memory		W/B Memory(PC)			W/B Memory(Video)			
			Flip vertical	Not flip vertical	LampMode High	LampMode Standard	LampMode Auto/Custom	LampMode High	LampMode Standard	LampMode Auto/Custom	
Other	Other/	Synchronous									
		Pattern Enb									1
		Pattern Type									0
		Pattern R Enb									1
		Pattern G Enb									1
		Pattern B Enb									1
		Pattern Section									
		All Black Input Mode									0
		RS232C bps									
		HDMI Range									
		Lamp Gain									
		Lens Parameter									
		User Language Enable									
		W/B	High	Gain R			128	128	128	128	128
G					128	128	128	128	128	128	
B					128	128	128	128	128	128	
Bias R					128	128	128	128	128	128	
G					128	128	128	128	128	128	
B					128	128	128	128	128	128	
Middle	Gain R				128	128	128	128	128	128	
	G				128	128	128	128	128	128	
	B				128	128	128	128	128	128	
	Bias R				128	128	128	128	128	128	
	G				128	128	128	128	128	128	
	B				128	128	128	128	128	128	
Low	Gain R				128	128	128	128	128	128	
	G				128	128	128	128	128	128	
	B				128	128	128	128	128	128	
	Bias R				128	128	128	128	128	128	
	G				128	128	128	128	128	128	
	B				128	128	128	128	128	128	
Presentation	Gain R				128	128	128	128	128	128	
	G				128	128	128	128	128	128	
	B				128	128	128	128	128	128	
	Bias R				128	128	128	128	128	128	
	G				128	128	128	128	128	128	
	B				128	128	128	128	128	128	
Custom 1	Gain R				128	128	128	128	128	128	
	G				128	128	128	128	128	128	
	B				128	128	128	128	128	128	
	Bias R				128	128	128	128	128	128	
	G				128	128	128	128	128	128	
	B				128	128	128	128	128	128	
Custom 2	Gain R				128	128	128	128	128	128	
	G				128	128	128	128	128	128	
	B				128	128	128	128	128	128	
	Bias R				128	128	128	128	128	128	
	G				128	128	128	128	128	128	
	B				128	128	128	128	128	128	
Custom 3	Gain R				128	128	128	128	128	128	
	G				128	128	128	128	128	128	
	B				128	128	128	128	128	128	
	Bias R				128	128	128	128	128	128	
	G				128	128	128	128	128	128	
	B				128	128	128	128	128	128	



## Section 3 Spare Parts

### 3-1. 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.

#### 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.

#### 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.

#### 4. Harness

Harnesses with no part number are not registered as spare parts.

The components identified by mark  $\square$  contain confidential information.

Strictly follow the instructions whenever the components are repaired and/or replaced.

### 3-1. 補修部品注意事項

#### 1. 安全重要部品

##### **$\triangle$ 警告**

$\triangle$ 印のついた部品は安全性を維持するために重要な部品です。したがって、交換する時は必ず指定の部品を使ってください。

#### 2. 部品の共通化

ソニーから供給する補修用部品は、セットに使われているものと異なることがあります。

これは部品の共通化、改良等によるものです。

#### 3. 部品の在庫

部品表のSP (Supply code) 欄に “o” で示される部品は在庫していないことがあり、納期が長くなることがあります。

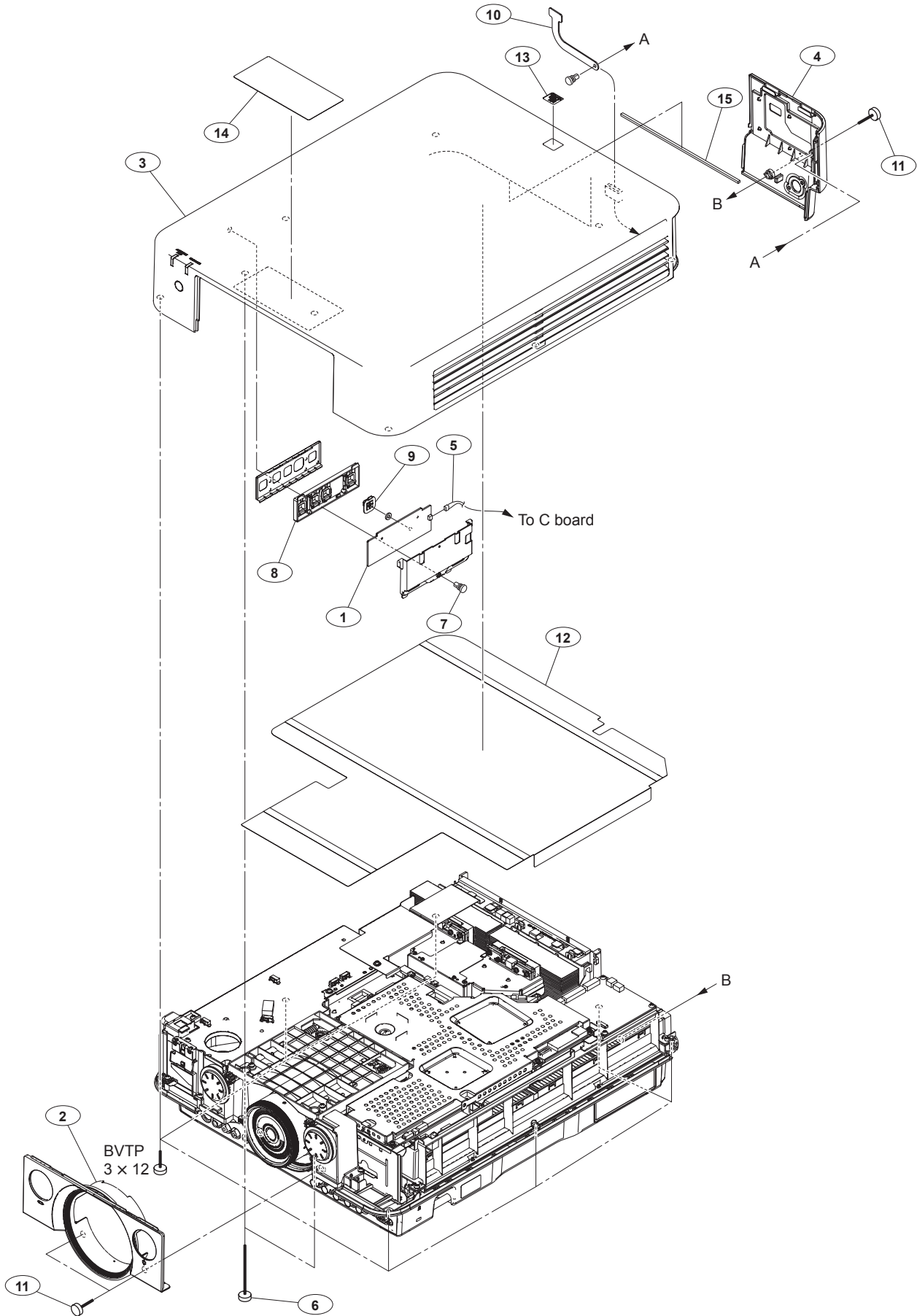
#### 4. ハーネス

部品番号の記載されていないハーネスは、サービス部品として登録されていません。

$\square$ 印の部分には、秘密情報が含まれています。

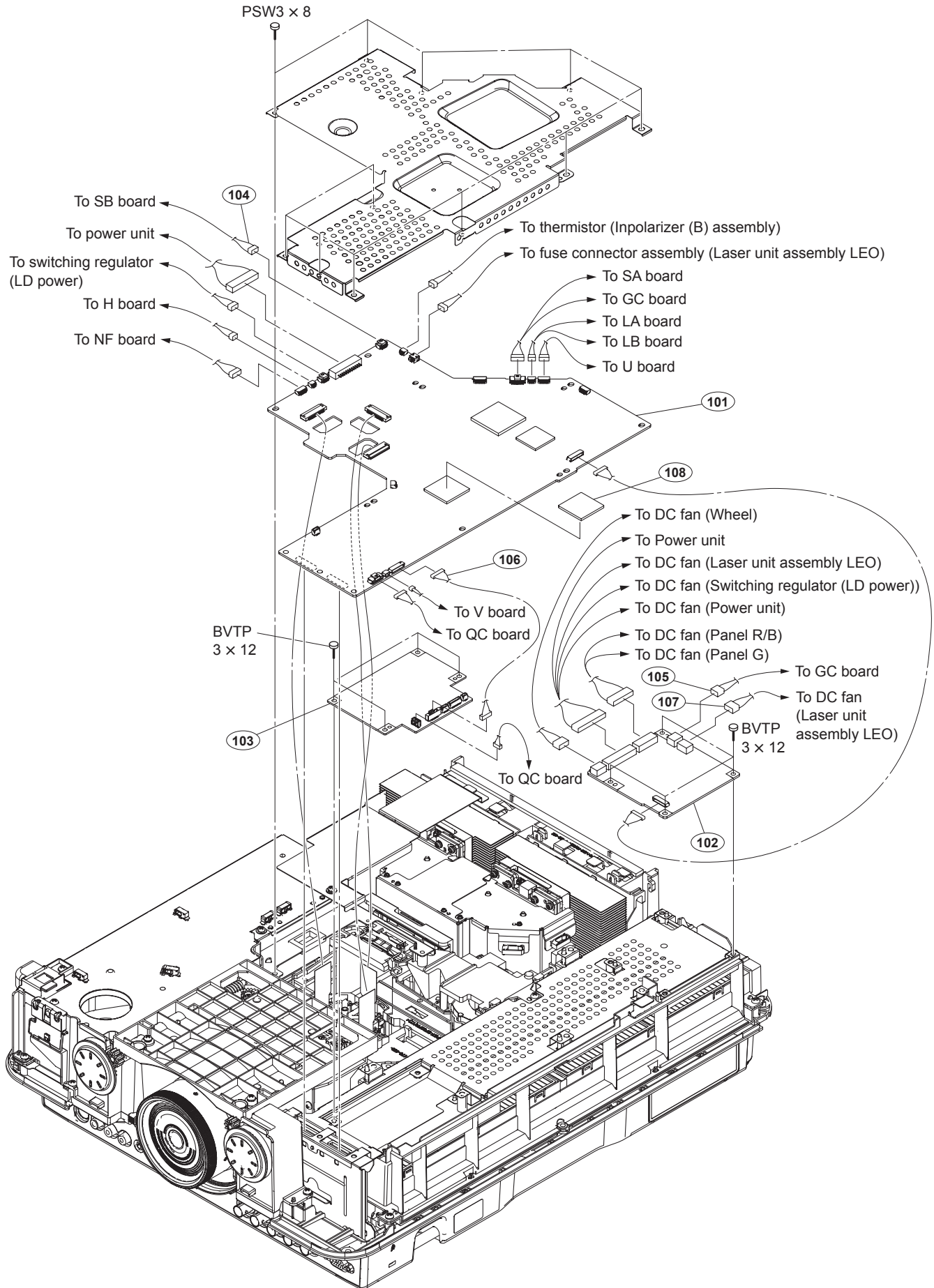
修理の際は、指示に従った対応を行ってください。

3-2. Exploded Views



No.	Part No.	SP Description
1	A-1946-754-A	s MOUNTED CIRCUIT BOARD, H
2	X-2546-177-1	s COVER ASSY, LENS (For White Model)
	X-2585-666-1	s COVER ASSY (B), LENS (For Black Model)
3	X-2586-865-1	s PANEL ASSY (LE), TOP (For White Model)
	X-2587-205-1	s PANEL ASSY (LEB), TOP (For Black Model)
4	X-2586-866-2	s COVER ASSY (LE), FILTER (For White Model)
	X-2587-206-2	s COVER ASSY (LEB), FILTER (For Black Model)
5	1-910-400-15	s CONNECTOR ASSY, 3P
6	3-282-317-01	s +PSW M3X70 (DIA. 7 WASHER)
7	3-531-576-31	s RIVET (DIA. 3), NYLON
8	△ 4-172-335-21	s BUTTON (H) (For White Model)
	△ 4-172-335-31	s BUTTON (H) (For Black Model)
9	4-172-336-21	s BUTTON (ARROW) (For White Model)
	4-172-336-31	s BUTTON (ARROW) (For Black Model)
10	4-172-383-01	s SHEET (RP)
11	4-172-393-01	s SCREW (M3), STOPPER
12	4-459-486-01	s SHEET (TOP), LE (For White Model)
13	4-459-490-01	s EMBLEM (LE) (For VPL-FHZ55: White Model)
	4-470-348-01	s EMBLEM (LEB) (For VPL-FHZ55: Black Model)
	4-485-659-01	s EMBLEM (LE) (For VPL-F420HZ: White Model)
	4-485-660-01	s EMBLEM (LEB) (For VPL-F420HZ: Black Model)
14	△ 4-467-999-01	s LABEL (LE), CAUTION (For White Model)
	△ 4-467-999-11	s LABEL (LE), CAUTION (For Black Model)
15	4-477-324-01	s CUSHION (REAR)
	7-685-648-79	s SCREW +BVTP 3X12 TYPE2 IT-3

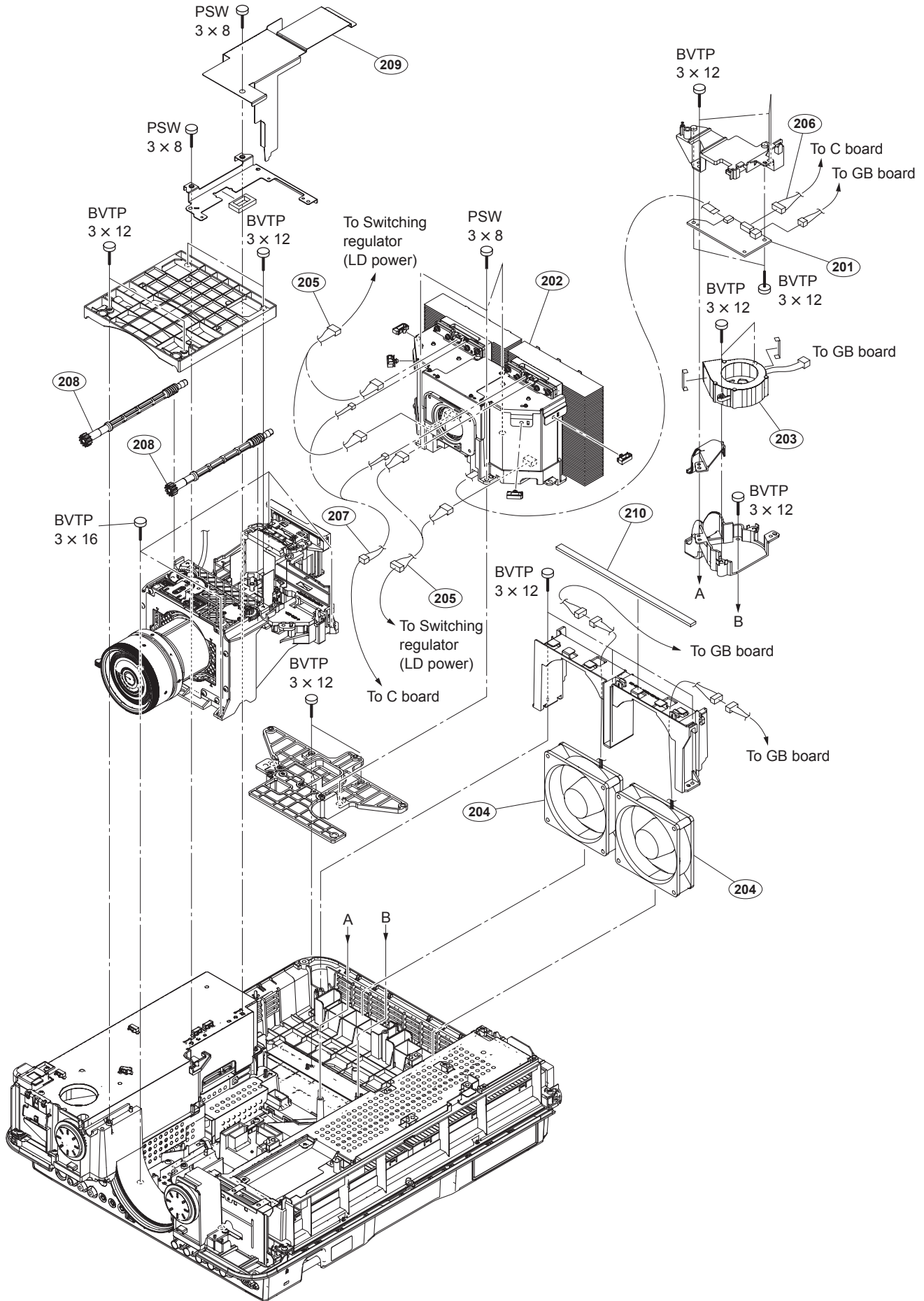
# C, GB and QD Boards Block





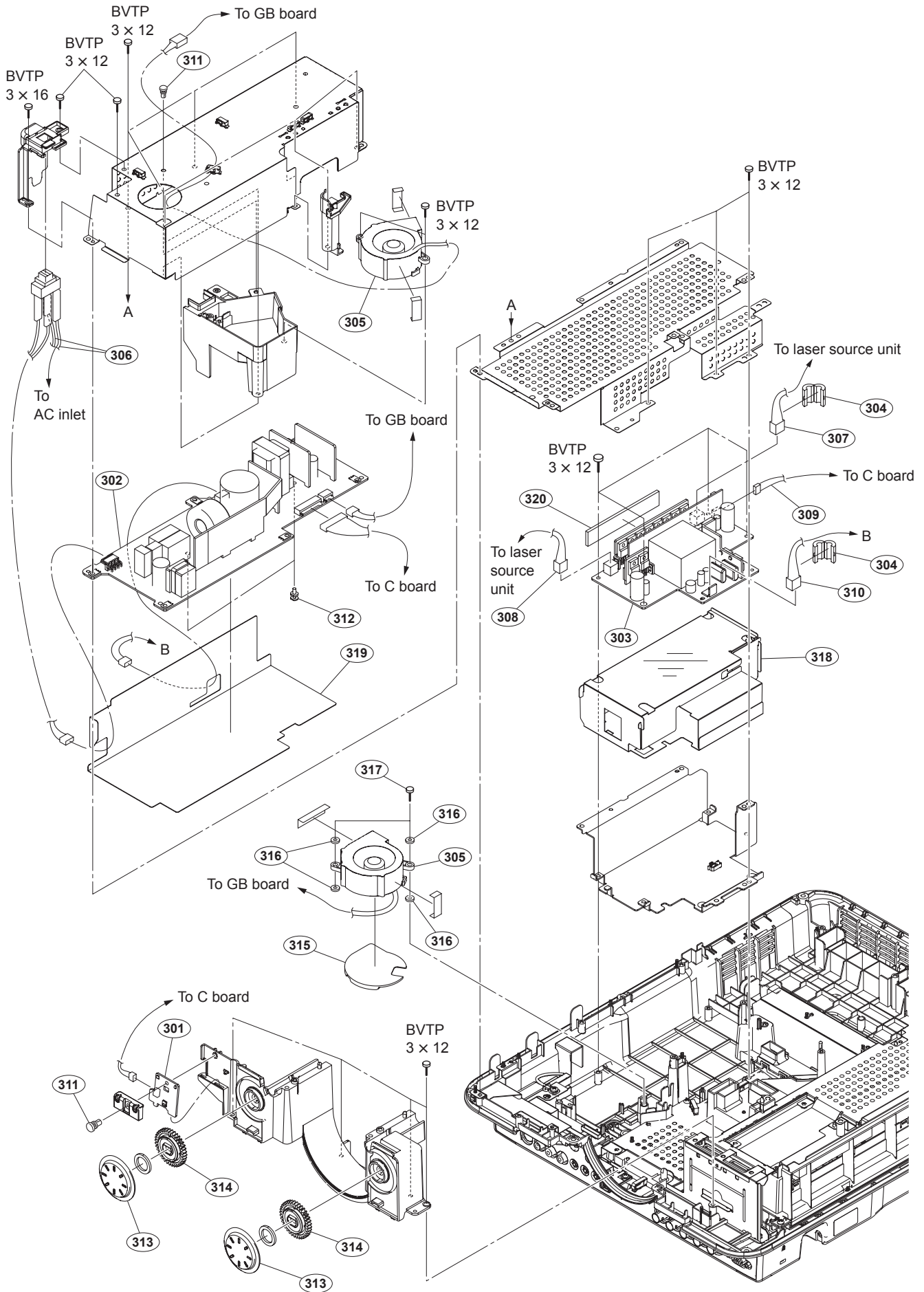
No.	Part No.	SP Description
101	⊞ A-1946-748-A	s MOUNTED CIRCUIT BOARD, C (For VPL-FHZ55)
	⊞ A-1979-579-A	s MOUNTED CIRCUIT BOARD, C (For VPL-F420HZ)
102	A-1946-749-A	s MOUNTED CIRCUIT BOARD, GB
103	A-1946-759-A	s MOUNTED CIRCUIT BOARD, QD
104	1-969-703-11	s CONNECTOR ASSY, 6P 330
105	1-969-707-11	s CONNECTOR ASSY, 2P PA
106	1-969-708-11	s CONNECTOR ASSY, 12P 330
107	1-969-710-11	s CONNECTOR ASSY, 3P PA
108	⊘ 4-110-685-01	s SHEET (IC)
	7-682-948-01	s SCREW +PSW 3X8
	7-685-648-79	s SCREW +BVTP 3X12 TYPE2 IT-3

# Optics Unit and Laser Unit



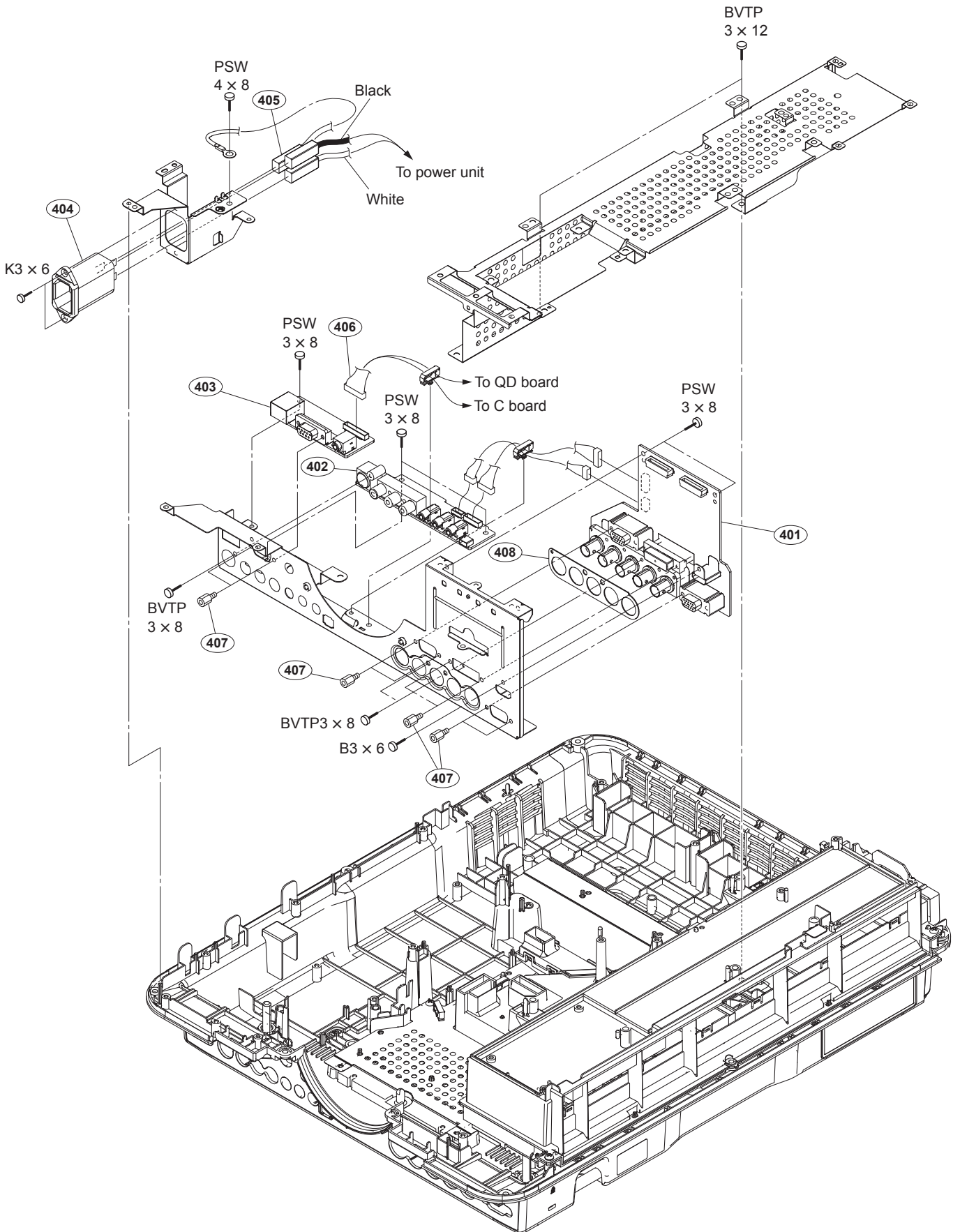
No.	Part No.	SP	Description
201	A-1946-750-A	s	MOUNTED CIRCUIT BOARD, GC
202	△ A-1971-894-A	s	LASER UNIT ASSY LEO
203	△ 1-787-974-11	s	D.C. FAN
204	△ 1-855-298-11	s	DC FAN
205	1-969-699-11	s	CONNECTOR ASSY, 8P SM
206	1-969-700-11	s	CONNECTOR ASSY, 10P 330
207	1-969-706-11	s	CONNECTOR ASSY, 4P 939
208	4-172-361-01	s	SHAFT, GEAR
209	4-459-481-01	s	SHEET (EX)
210	4-462-984-01	s	CUSHION (EX)
	7-682-948-01	s	SCREW +PSW 3X8
	7-685-648-79	s	SCREW +BVTP 3X12 TYPE2 IT-3
	7-685-650-71	s	SCREW +BVTP 3X16 TYPE2 IT-3

# Power Block



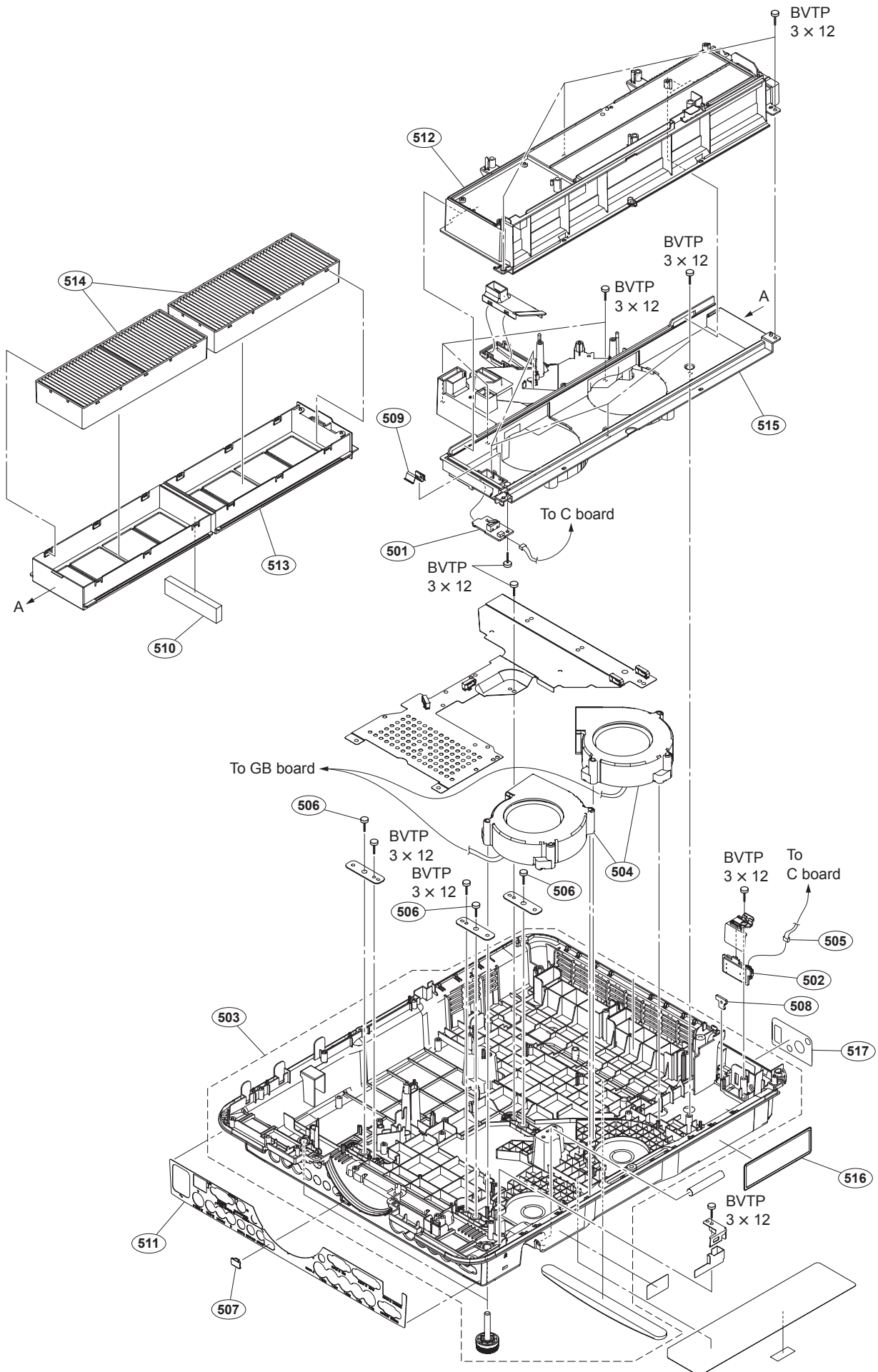
No.	Part No.	SP Description
301	A-1946-755-A	s MOUNTED CIRCUIT BOARD, NF
302	△ 1-474-223-11	s POWER UNIT
303	△ 1-474-526-11	s SWITCHING REGULATOR (FOR LD)
304	1-482-022-11	s FERRITE CORE (GTFC-16-8-16)
305	△ 1-787-974-11	s D.C. FAN
306	1-969-695-11	s CONNECTOR ASSY, AC
307	1-969-697-11	s CONNECTOR ASSY, B 8P PUD
308	1-969-698-11	s CONNECTOR ASSY, A 8P PUD
309	1-969-701-11	s CONNECTOR ASSY, 6P GH
310	1-969-875-11	s VH CONNECTOR ASSY 3P
311	3-531-576-31	s RIVET (DIA. 3), NYLON
312	4-056-942-01	s SPACER, MINIATURE CARD
313	4-172-340-21	s DIAL, SHIFT (For White Model)
	4-172-340-31	s DIAL, SHIFT (For Black Model)
314	4-172-360-01	s DIAL, GEAR
315	4-195-278-02	s DAMPER (FAN)
316	4-264-738-01	s CUSHION (FAN)
317	4-264-739-01	s SCREW, STEP
318	△ 4-459-461-01	s SHEET (DRIVER)
319	△ 4-459-464-01	s SHEET (GA), LE
320	△ 4-462-983-01	s SHEET (DH)
	7-685-648-79	s SCREW +BVTP 3X12 TYPE2 IT-3
	7-685-650-71	s SCREW +BVTP 3X16 TYPE2 IT-3

# QA, QB and QC Board Block



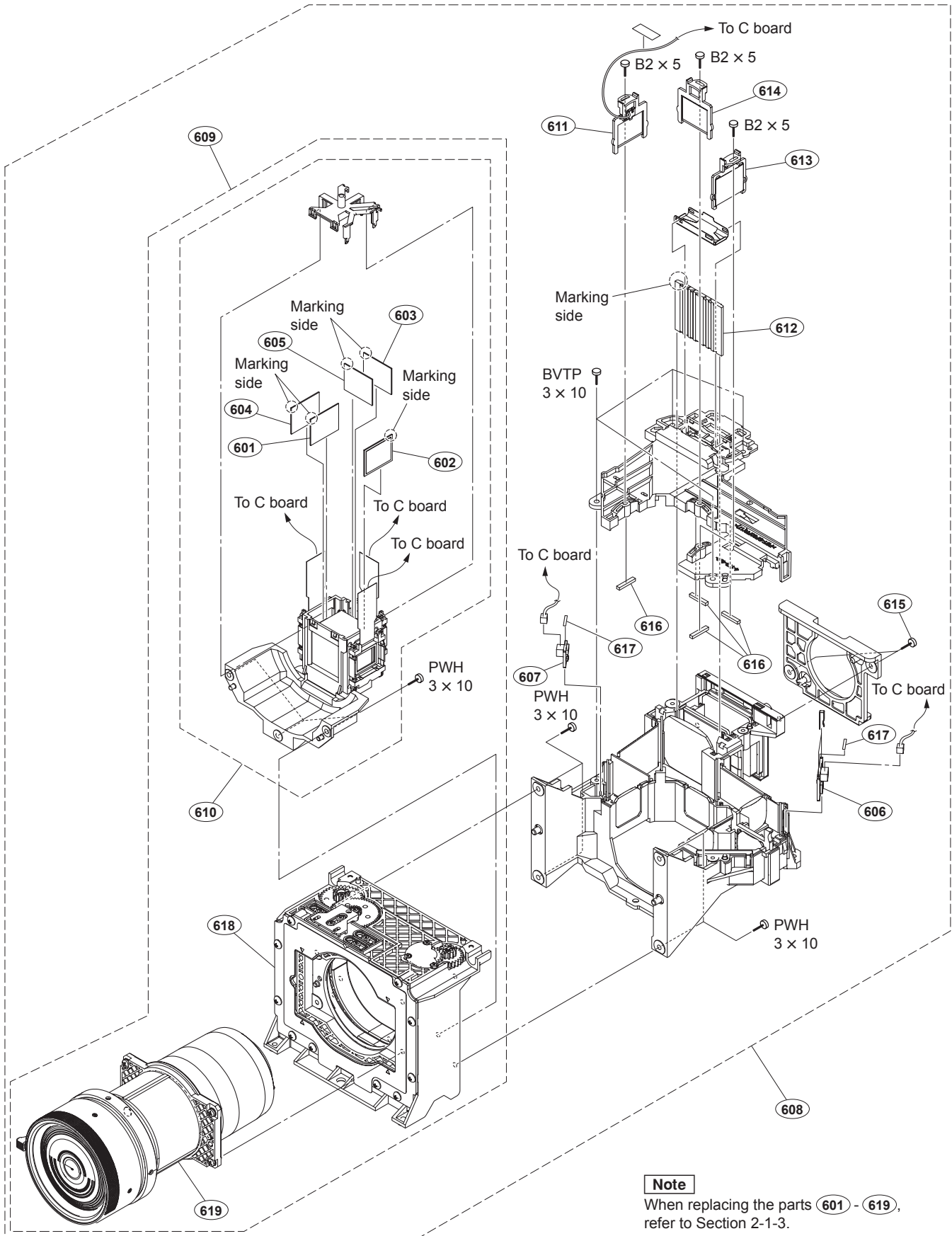
No.	Part No.	SP Description
401	A-1946-756-A	s MOUNTED CIRCUIT BOARD, QA
402	A-1946-757-A	s MOUNTED CIRCUIT BOARD, QB
403	A-1946-758-A	s MOUNTED CIRCUIT BOARD, QC
404	△ 1-843-685-11	s AC INLET (WITH NOISE FILTER)
405	1-910-400-21	s CONNECTOR ASSY, FASTON
406	1-969-705-11	s CONNECTOR ASSY, 15P 330
407	2-580-626-01	s SCREW, SP 4-40 UNC
408	4-184-667-01	s SHEET (BNC)
	7-682-247-09	s SCREW +K 3X6
	7-682-547-09	s SCREW +B 3X6
	7-682-948-01	s SCREW +PSW 3X8
	7-682-961-01	s SCREW +PSW 4X8
	7-685-646-79	s SCREW +BVTP 3X8 TYPE2 IT-3
	7-685-648-79	s SCREW +BVTP 3X12 TYPE2 IT-3

# Prism Duct Block





No.	Part No.	SP Description
501	A-1946-767-A	s MOUNTED CIRCUIT BOARD, V
502	A-1971-333-A	s MOUNTED CIRCUIT BOARD, U
503	X-2586-864-3	s BASE ASSY (LE) (For White Model)
	X-2587-204-3	s BASE ASSY (LEB) (For Black Model)
504	△ 1-855-249-11	s FAN, DC
505	1-969-709-11	s CONNECTOR ASSY, 7P 330
506	2-580-606-01	s SCREW, +PSW M5X8
507	4-172-341-21	s CAP, FRONT (For White Model)
	4-172-341-31	s CAP, FRONT (For Black Model)
508	4-172-372-01	s PLATE (NUT)
509	4-172-374-01	s PLATE (SW)
510	4-184-728-01	s CUSHION (FILTER)
511	4-263-141-01	s SHEET (Q), WU (For White Model)
	4-441-612-01	s SHEET (Q), WUB (For Black Model)
512	4-459-453-01	s DUCT (TOP), LE PRISM
513	4-459-454-01	s HOLDER (LE), FILTER
514	4-459-455-01	s FILTER, LE
515	4-459-459-01	s DUCT (BOTTOM), LE PRISM
516	△ 4-468-000-01	s LABEL (LS), CAUTION (For VPL-FHZ55)
	△ 4-480-204-01	s LABEL (LS), CAUTION (For VPL-F420HZ)
517	4-528-789-01	s LABEL (REAR)
	7-685-648-79	s SCREW +BVTP 3X12 TYPE2 IT-3



**Note**

When replacing the parts **601** - **619**, refer to Section 2-1-3.

No.	Part No.	SP Description
601	A-1784-688-A	s S OUT-POLARIZER (B) ASSY
602	A-1784-689-A	s S OUT-PRE-POLARIZER (R) ASSY
603	A-1784-690-A	s S OUT-PRE-POLARIZER (G) ASSY
604	A-1784-691-A	s S OUT-PRE-POLARIZER (B) ASSY
605	A-1835-493-A	s S OUT-POLARIZER (G) ASSY HS
606	A-1946-764-A	s MOUNTED CIRCUIT BOARD, SA
607	A-1946-765-A	s MOUNTED CIRCUIT BOARD, SB
608	A-1971-889-A	s OPTICS UNIT ASSY LEO, S
609	A-1971-890-A	s PRISM BLOCK ASSY LEO, S
610	A-1971-891-A	s PRISM ASSY LEO, S
611	A-1971-892-A	s S IN-POLARIZER(B)ASSY LEO
612	A-1971-893-A	s PS ASSY LEO
613	A-1972-877-A	s S IN-POLARIZER(R)ASSY LEO
614	A-1972-878-A	s S IN-POLARIZER(G)ASSY LEO
615	2-580-592-01	s SCREW, +PSW M3X8
616	3-093-573-01	s CUSHION (W)
617	4-476-065-01	s CUSHION (LEO)
618	9-885-145-33	s S-SHIFT
619	9-885-155-81	s S-LENS (H)
	7-621-771-06	s SCREW +B 2X5
	7-685-647-79	s SCREW +BVTP 3X10 TYPE2 IT-3
	7-685-903-31	s TAPPING +PWH 3X10 TYPE2 N-S

### 3-3. Electrical Parts List

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C BOARD

(C BOARD)

Ref. No. or Q'ty	Part No.	SP Description	Ref. No. or Q'ty	Part No.	SP Description
1pc	☒ A-1946-748-A	s MOUNTED CIRCUIT BOARD, C (For VPL-FHZ55)	C311	1-112-777-11	s CAP, CERAMIC 0.01MF X7R 1005
1pc	☒ A-1979-579-A	s MOUNTED CIRCUIT BOARD, C (For VPL-F420HZ)	C312	1-112-777-11	s CAP, CERAMIC 0.01MF X7R 1005
9pcs	1-780-050-21	s CONTACT, ON BOARD	C313	1-112-777-11	s CAP, CERAMIC 0.01MF X7R 1005
C101	1-100-912-11	s CAP, CERAMIC 1.0MF X7R (2012)	C314	1-112-777-11	s CAP, CERAMIC 0.01MF X7R 1005
C102	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005	C315	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C103	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005	C316	1-112-781-11	s CAP, CERAMIC 1MF X7R 1608
C104	1-114-334-11	s CAP, CERAMIC 10MF X7R 3225	C317	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C105	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005	C318	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C106	1-116-079-11	s CAP, CERAMIC 10MF X6S 2012	C319	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C107	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005	C320	1-116-720-11	s CAP, CERAMIC 10MF X5R 1608
C200	1-114-331-11	s CAP, CERAMIC 4.7MF X7R 2012	C321	1-116-720-11	s CAP, CERAMIC 10MF X5R 1608
C201	1-164-874-81	s CAP,CHIP CERAMIC 100PF CH 1005	C322	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C202	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005	C323	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C203	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005	C324	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C204	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005	C325	1-112-777-11	s CAP, CERAMIC 0.01MF X7R 1005
C205	1-164-874-81	s CAP,CHIP CERAMIC 100PF CH 1005	C326	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C206	1-164-874-81	s CAP,CHIP CERAMIC 100PF CH 1005	C327	1-112-777-11	s CAP, CERAMIC 0.01MF X7R 1005
C207	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005	C329	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C208	1-116-079-11	s CAP, CERAMIC 10MF X6S 2012	C330	1-112-067-11	s CAP, CERAMIC 0.22MF X7R 1608
C209	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005	C332	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C210	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005	C333	1-112-067-11	s CAP, CERAMIC 0.22MF X7R 1608
C211	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005	C334	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C212	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005	C335	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C213	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005	C336	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C215	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005	C401	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C216	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005	C402	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C217	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005	C403	1-114-333-11	s CAP, CERAMIC 47MF X6S 3216
C218	1-100-909-11	s CAP, CERAMIC 10MF X6S 2012	C404	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C219	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005	C405	1-100-909-11	s CAP, CERAMIC 10MF X6S 2012
C220	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005	C406	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C222	1-114-331-11	s CAP, CERAMIC 4.7MF X7R 2012	C407	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C223	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005	C408	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C224	1-100-905-11	s CAP, CERAMIC1000PF X7R 1005	C409	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C225	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005	C410	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C226	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005	C411	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C227	1-114-553-11	s CAP, CERAMIC 10MF X6S 3216	C412	1-112-774-11	s CAP, CERAMIC 470PF X7R 1005
C228	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005	C413	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C229	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005	C415	1-112-774-11	s CAP, CERAMIC 470PF X7R 1005
C231	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005	C416	1-112-774-11	s CAP, CERAMIC 470PF X7R 1005
C232	1-114-553-11	s CAP, CERAMIC 10MF X6S 3216	C417	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C233	1-114-813-11	s CAP, CERAMIC 1UF X7R 1608	C418	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C234	1-114-813-11	s CAP, CERAMIC 1UF X7R 1608	C419	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C235	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005	C420	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C236	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005	C421	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C237	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005	C422	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C238	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005	C423	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C239	1-112-781-11	s CAP, CERAMIC 1MF X7R 1608	C424	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C300	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005	C425	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C301	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005	C426	1-112-781-11	s CAP, CERAMIC 1MF X7R 1608
C302	1-114-813-11	s CAP, CERAMIC 1UF X7R 1608	C427	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C303	1-112-067-11	s CAP, CERAMIC 0.22MF X7R 1608	C428	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C304	1-112-777-11	s CAP, CERAMIC 0.01MF X7R 1005	C429	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C305	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005	C430	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C306	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005	C431	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C307	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005	C432	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C308	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005	C433	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C309	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005	C434	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C310	1-114-813-11	s CAP, CERAMIC 1UF X7R 1608	C435	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
			C436	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
			C437	1-114-333-11	s CAP, CERAMIC 47MF X6S 3216

## (C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C438	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C439	1-100-909-11	s	CAP, CERAMIC 10MF X6S 2012
C440	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C441	1-100-909-11	s	CAP, CERAMIC 10MF X6S 2012
C443	1-114-332-11	s	CAP, CERAMIC 22MF X6S 2012
C444	1-112-774-11	s	CAP, CERAMIC 470PF X7R 1005
C445	1-112-774-11	s	CAP, CERAMIC 470PF X7R 1005
C446	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C447	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C448	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C449	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C450	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C451	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C452	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C453	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C454	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C455	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C456	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C457	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C458	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C459	1-112-781-11	s	CAP, CERAMIC 1MF X7R 1608
C460	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C461	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C462	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C463	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C464	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C465	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C466	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C467	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C468	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C469	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C470	1-114-333-11	s	CAP, CERAMIC 47MF X6S 3216
C471	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C472	1-100-909-11	s	CAP, CERAMIC 10MF X6S 2012
C473	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C474	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C475	1-100-909-11	s	CAP, CERAMIC 10MF X6S 2012
C476	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C477	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C501	1-114-553-11	s	CAP, CERAMIC 10MF X6S 3216
C502	1-114-553-11	s	CAP, CERAMIC 10MF X6S 3216
C503	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C504	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C505	1-112-781-11	s	CAP, CERAMIC 1MF X7R 1608
C506	1-112-778-11	s	CAP, CERAMIC 0.022MF X7R 1005
C507	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C508	1-114-813-11	s	CAP, CERAMIC 1UF X7R 1608
C509	1-114-332-11	s	CAP, CERAMIC 22MF X6S 2012
C510	1-116-079-11	s	CAP, CERAMIC 10MF X6S 2012
C511	1-114-332-11	s	CAP, CERAMIC 22MF X6S 2012
C512	1-114-553-11	s	CAP, CERAMIC 10MF X6S 3216
C513	1-116-079-11	s	CAP, CERAMIC 10MF X6S 2012
C514	1-114-553-11	s	CAP, CERAMIC 10MF X6S 3216
C516	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C517	1-112-781-11	s	CAP, CERAMIC 1MF X7R 1608
C518	1-112-778-11	s	CAP, CERAMIC 0.022MF X7R 1005
C520	1-114-813-11	s	CAP, CERAMIC 1UF X7R 1608
C521	1-116-080-11	s	CAP, CERAMIC 22MF X6S 3216
C522	1-116-080-11	s	CAP, CERAMIC 22MF X6S 3216

## (C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C523	1-116-079-11	s	CAP, CERAMIC 10MF X6S 2012
C524	1-114-553-11	s	CAP, CERAMIC 10MF X6S 3216
C525	1-114-553-11	s	CAP, CERAMIC 10MF X6S 3216
C526	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C527	1-112-781-11	s	CAP, CERAMIC 1MF X7R 1608
C528	1-112-777-11	s	CAP, CERAMIC 0.01MF X7R 1005
C529	1-114-813-11	s	CAP, CERAMIC 1UF X7R 1608
C530	1-114-332-11	s	CAP, CERAMIC 22MF X6S 2012
C531	1-114-332-11	s	CAP, CERAMIC 22MF X6S 2012
C532	1-116-079-11	s	CAP, CERAMIC 10MF X6S 2012
C534	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C537	1-114-813-11	s	CAP, CERAMIC 1UF X7R 1608
C538	1-114-553-11	s	CAP, CERAMIC 10MF X6S 3216
C539	1-114-553-11	s	CAP, CERAMIC 10MF X6S 3216
C540	1-116-079-11	s	CAP, CERAMIC 10MF X6S 2012
C541	1-114-813-11	s	CAP, CERAMIC 1UF X7R 1608
C542	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C543	1-112-781-11	s	CAP, CERAMIC 1MF X7R 1608
C544	1-112-777-11	s	CAP, CERAMIC 0.01MF X7R 1005
C545	1-116-079-11	s	CAP, CERAMIC 10MF X6S 2012
C546	1-114-332-11	s	CAP, CERAMIC 22MF X6S 2012
C547	1-114-332-11	s	CAP, CERAMIC 22MF X6S 2012
C549	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C550	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C551	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C552	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C553	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C601	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C602	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C605	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C606	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C607	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C608	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C609	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C610	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C612	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C613	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C620	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C621	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C625	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C626	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C627	1-164-852-81	s	CAP, CHIP CERAMIC 12PF CH 1005
C628	1-164-850-81	s	CAP, CHIP CERAMIC 10PF CH 1005
C629	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C630	1-112-781-11	s	CAP, CERAMIC 1MF X7R 1608
C631	1-100-909-11	s	CAP, CERAMIC 10MF X6S 2012
C632	1-100-909-11	s	CAP, CERAMIC 10MF X6S 2012
C633	1-112-775-11	s	CAP, CERAMIC 2200PF X7R 1005
C634	1-112-775-11	s	CAP, CERAMIC 2200PF X7R 1005
C635	1-114-333-11	s	CAP, CERAMIC 47MF X6S 3216
C636	1-114-333-11	s	CAP, CERAMIC 47MF X6S 3216
C640	1-114-333-11	s	CAP, CERAMIC 47MF X6S 3216
C641	1-114-130-11	s	CAP, CERAMIC 1MF X6S 1005
C642	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C643	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C645	1-114-130-11	s	CAP, CERAMIC 1MF X6S 1005
C646	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C647	1-114-130-11	s	CAP, CERAMIC 1MF X6S 1005
C649	1-114-130-11	s	CAP, CERAMIC 1MF X6S 1005



## (C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C786	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C787	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C788	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C789	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C790	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C791	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C792	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C803	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C804	1-100-909-11	s CAP,	CERAMIC 10MF X6S 2012
C805	1-114-325-11	s CAP,	CERAMIC 0.1MF X7R 1608
C806	1-114-325-11	s CAP,	CERAMIC 0.1MF X7R 1608
C807	1-114-325-11	s CAP,	CERAMIC 0.1MF X7R 1608
C808	1-100-905-11	s CAP,	CERAMIC1000PF X7R 1005
C809	1-114-325-11	s CAP,	CERAMIC 0.1MF X7R 1608
C810	1-100-905-11	s CAP,	CERAMIC1000PF X7R 1005
C811	1-114-325-11	s CAP,	CERAMIC 0.1MF X7R 1608
C812	1-114-325-11	s CAP,	CERAMIC 0.1MF X7R 1608
C813	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C814	1-100-909-11	s CAP,	CERAMIC 10MF X6S 2012
C815	1-100-909-11	s CAP,	CERAMIC 10MF X6S 2012
C816	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C817	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C818	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C819	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C821	1-112-777-11	s CAP,	CERAMIC 0.01MF X7R 1005
C822	1-112-779-11	s CAP,	CERAMIC 0.047MF X7R 1005
C823	1-114-804-11	s CAP,	CERAMIC 5600PF X7R 1005
C824	1-100-909-11	s CAP,	CERAMIC 10MF X6S 2012
C825	1-100-909-11	s CAP,	CERAMIC 10MF X6S 2012
C826	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C827	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C828	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C829	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C830	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C831	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C832	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C833	1-100-909-11	s CAP,	CERAMIC 10MF X6S 2012
C834	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C835	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C836	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C837	1-100-909-11	s CAP,	CERAMIC 10MF X6S 2012
C838	1-114-553-11	s CAP,	CERAMIC 10MF X6S 3216
C839	1-114-553-11	s CAP,	CERAMIC 10MF X6S 3216
C840	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C841	1-112-781-11	s CAP,	CERAMIC 1MF X7R 1608
C842	1-112-778-11	s CAP,	CERAMIC 0.022MF X7R 1005
C843	1-114-332-11	s CAP,	CERAMIC 22MF X6S 2012
C844	1-114-332-11	s CAP,	CERAMIC 22MF X6S 2012
C845	1-114-813-11	s CAP,	CERAMIC 1UF X7R 1608
C846	1-116-079-11	s CAP,	CERAMIC 10MF X6S 2012
C847	1-116-079-11	s CAP,	CERAMIC 10MF X6S 2012
C848	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C901	1-164-850-81	s CAP,	CHIP CERAMIC 10PF CH 1005
C902	1-164-850-81	s CAP,	CHIP CERAMIC 10PF CH 1005
C903	1-164-850-81	s CAP,	CHIP CERAMIC 10PF CH 1005
C904	1-164-850-81	s CAP,	CHIP CERAMIC 10PF CH 1005
C905	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C906	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C907	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005

## (C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C908	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C909	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C910	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C911	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C1001	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C1002	1-112-777-11	s CAP,	CERAMIC 0.01MF X7R 1005
C1004	1-114-553-11	s CAP,	CERAMIC 10MF X6S 3216
C1005	1-114-553-11	s CAP,	CERAMIC 10MF X6S 3216
C1006	1-114-553-11	s CAP,	CERAMIC 10MF X6S 3216
C1007	1-114-553-11	s CAP,	CERAMIC 10MF X6S 3216
C1008	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C1009	1-112-781-11	s CAP,	CERAMIC 1MF X7R 1608
C1010	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C1011	1-112-781-11	s CAP,	CERAMIC 1MF X7R 1608
C1012	1-112-778-11	s CAP,	CERAMIC 0.022MF X7R 1005
C1013	1-112-778-11	s CAP,	CERAMIC 0.022MF X7R 1005
C1014	1-114-332-11	s CAP,	CERAMIC 22MF X6S 2012
C1015	1-114-332-11	s CAP,	CERAMIC 22MF X6S 2012
C1016	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C1017	1-114-332-11	s CAP,	CERAMIC 22MF X6S 2012
C1018	1-114-332-11	s CAP,	CERAMIC 22MF X6S 2012
C1022	1-114-553-11	s CAP,	CERAMIC 10MF X6S 3216
C1023	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C1024	1-114-553-11	s CAP,	CERAMIC 10MF X6S 3216
C1025	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C1026	1-112-781-11	s CAP,	CERAMIC 1MF X7R 1608
C1027	1-112-777-11	s CAP,	CERAMIC 0.01MF X7R 1005
C1030	1-114-813-11	s CAP,	CERAMIC 1UF X7R 1608
C1031	1-114-332-11	s CAP,	CERAMIC 22MF X6S 2012
C1032	1-114-332-11	s CAP,	CERAMIC 22MF X6S 2012
C1033	1-116-079-11	s CAP,	CERAMIC 10MF X6S 2012
C1034	1-100-912-11	s CAP,	CERAMIC 1.0MF X7R (2012)
C1035	1-100-912-11	s CAP,	CERAMIC 1.0MF X7R (2012)
C1036	1-100-912-11	s CAP,	CERAMIC 1.0MF X7R (2012)
C1037	1-114-334-11	s CAP,	CERAMIC 10MF X7R 3225
C1038	1-114-334-11	s CAP,	CERAMIC 10MF X7R 3225
C1039	1-114-334-11	s CAP,	CERAMIC 10MF X7R 3225
C1040	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C1041	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C1042	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C1043	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C1044	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C1045	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C1046	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C1047	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C1048	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C1201	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C1202	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C1203	1-112-778-11	s CAP,	CERAMIC 0.022MF X7R 1005
C1205	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C1207	1-112-777-11	s CAP,	CERAMIC 0.01MF X7R 1005
C1301	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C1303	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C1305	1-164-860-81	s CAP,	CHIP CERAMIC 27PF CH 1005
C1306	1-112-774-11	s CAP,	CERAMIC 470PF X7R 1005
C1308	1-164-860-81	s CAP,	CHIP CERAMIC 27PF CH 1005
C1311	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C1312	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005
C1313	1-100-916-11	s CAP,	CERAMIC 0.1MF X7R 1005













(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C4570	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C4572	1-100-909-11	s	CAP, CERAMIC 10MF X6S 2012
C4573	1-100-909-11	s	CAP, CERAMIC 10MF X6S 2012
CN101	1-770-454-21	s	CONNECTOR, BOARD TO BOARD 70P
CN102	1-770-454-21	s	CONNECTOR, BOARD TO BOARD 70P
CN103	1-819-464-11	s	HEADER ASSEMBLY FOR PWB 2P
CN104	1-821-510-11	s	HEADER ASSEMBLY FOR PWB 12P
CN105	1-820-291-11	o	HEADER ASSEMBLY (PRINT PWB) 12P
CN106	1-820-289-11	o	HEADER ASSEMBLY (PRINT PWB) 10P
CN201	1-820-286-11	o	HEADER ASSEMBLY (PRINT PWB) 7P
CN202	1-820-297-11	o	HEADER ASSEMBLY (PRINT PWB) 3P
CN203	1-770-623-21	s	PIN, CONNECTOR 6P
CN204	1-820-291-11	o	HEADER ASSEMBLY (PRINT PWB) 12P
CN205	1-820-289-11	o	HEADER ASSEMBLY (PRINT PWB) 10P
CN207	1-819-445-11	o	HEADER ASSEMBLY FOR PWB 3P
CN208	1-820-285-11	s	HEADER ASSEMBLY (PRINT PWB) 6P
CN301	1-820-297-11	o	HEADER ASSEMBLY (PRINT PWB) 3P
CN302	1-820-286-11	o	HEADER ASSEMBLY (PRINT PWB) 7P
CN303	1-820-285-11	s	HEADER ASSEMBLY (PRINT PWB) 6P
CN304	1-820-298-11	o	HEADER ASSEMBLY (PRINT PWB) 4P
CN901	1-784-254-21	s	CONNECTOR 10P
CN903	1-779-884-21	s	CONNECTOR 4P
CN904	1-770-621-21	s	PIN, CONNECTOR 4P
CN1001	1-770-625-21	s	PIN, CONNECTOR 8P
CN1601	1-843-291-62	s	PFC CONNECTOR (ZIF) 57P
CN1701	1-843-291-62	s	PFC CONNECTOR (ZIF) 57P
CN1801	1-843-291-62	s	PFC CONNECTOR (ZIF) 57P
D200	8-719-083-57	s	DI UDZSUSTE-173.6B
D201	8-719-056-48	s	DI 1SS388
D202	8-719-056-48	s	DI 1SS388
D300	6-502-961-01	s	DI DA2J10100L
D301	6-502-961-01	s	DI DA2J10100L
D302	8-719-056-48	s	DI 1SS388
D303	8-719-056-48	s	DI 1SS388
D304	6-502-961-01	s	DI DA2J10100L
D305	8-719-056-48	s	DI 1SS388
D307	8-719-056-48	s	DI 1SS388
D308	8-719-056-48	s	DI 1SS388
D309	8-719-056-48	s	DI 1SS388
D310	8-719-056-48	s	DI 1SS388
D312	8-719-056-48	s	DI 1SS388
D313	8-719-056-48	s	DI 1SS388
D314	8-719-056-48	s	DI 1SS388
D315	8-719-056-48	s	DI 1SS388
D316	8-719-056-48	s	DI 1SS388
D317	8-719-056-48	s	DI 1SS388
D318	8-719-056-48	s	DI 1SS388
D502	6-502-961-01	s	DI DA2J10100L
D503	6-502-961-01	s	DI DA2J10100L
D504	6-502-961-01	s	DI DA2J10100L
FB101	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB102	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB103	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB104	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB105	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB106	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB107	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB108	1-400-331-21	s	FERRITE, EMI (SMD) (1005)

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
FB109	1-400-180-21	s	INDUCTOR, EMI FERRITE (1608)
FB110	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB111	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB112	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB114	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB115	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB116	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB117	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB118	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB119	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB123	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB201	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB202	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB203	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB204	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB205	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB206	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB207	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB208	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB209	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB210	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB211	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB212	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB213	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB214	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB215	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB216	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB217	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB218	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB219	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB220	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB221	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB222	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB223	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB224	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB225	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB226	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB227	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB228	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB229	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB230	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB231	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB232	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB233	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB234	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB235	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB238	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB242	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB243	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB301	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB302	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB303	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB304	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB305	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB306	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB307	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB308	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB309	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB310	1-400-331-21	s	FERRITE, EMI (SMD) (1005)



(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
FB2105	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB2201	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB2202	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB2203	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB2204	1-400-180-21	s	INDUCTOR, EMI FERRITE (1608)
FB2205	1-400-180-21	s	INDUCTOR, EMI FERRITE (1608)
FB2206	1-400-180-21	s	INDUCTOR, EMI FERRITE (1608)
FB2207	1-400-180-21	s	INDUCTOR, EMI FERRITE (1608)
FB2208	1-400-180-21	s	INDUCTOR, EMI FERRITE (1608)
FB2209	1-400-180-21	s	INDUCTOR, EMI FERRITE (1608)
FB2210	1-400-180-21	s	INDUCTOR, EMI FERRITE (1608)
FB2211	1-400-180-21	s	INDUCTOR, EMI FERRITE (1608)
FB2212	1-400-180-21	s	INDUCTOR, EMI FERRITE (1608)
FB2213	1-400-180-21	s	INDUCTOR, EMI FERRITE (1608)
FB2214	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FL401	1-234-494-21	s	FILTER, EMI REMOVAL (SMD)
FL601	1-234-494-21	s	FILTER, EMI REMOVAL (SMD)
FL602	1-234-494-21	s	FILTER, EMI REMOVAL (SMD)
FL603	1-234-494-21	s	FILTER, EMI REMOVAL (SMD)
FL701	1-234-494-21	s	FILTER, EMI REMOVAL (SMD)
FL1401	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)
FL2001	1-234-494-21	s	FILTER, EMI REMOVAL (SMD)
IC102	8-759-338-95	s	IC NJM2903V (TE2)
IC103	6-706-487-01	s	IC TC7SH08FU
IC201	6-706-489-01	s	IC TC7SH32FU
IC202	6-707-858-01	s	IC TC74VHC00FT (EKJ)
IC203	6-707-843-01	s	IC TC74LCX125FT (EKJ)
IC204	8-759-647-75	s	IC TC7W66FK (TE85R)
IC205	6-707-858-01	s	IC TC74VHC00FT (EKJ)
IC206	6-707-843-01	s	IC TC74LCX125FT (EKJ)
IC207	6-707-843-01	s	IC TC74LCX125FT (EKJ)
IC208	8-759-681-47	s	IC IRMF-A0T-QTP
IC209	6-707-950-01	s	IC S-89530ACNC-HCBTFG
IC211	6-715-659-01	s	IC PST8428UL
IC212	8-759-337-40	s	IC NJM2904V (TE2)
IC213	6-717-005-01	s	IC NJM2732V (TE2)
IC301	6-715-659-01	s	IC PST8428UL
IC302	6-706-487-01	s	IC TC7SH08FU
IC303	6-715-659-01	s	IC PST8428UL
IC304	6-709-322-01	s	IC TC7WH123FK
IC305	6-709-322-01	s	IC TC7WH123FK
IC306	6-716-459-01	s	IC M24256-BWMN6TP
IC307	6-719-093-01	s	IC MX29GL128FLT2I-90G-326PW200
IC308	6-709-322-01	s	IC TC7WH123FK
IC309	6-720-623-01	s	IC DAC081C085CIMMX/NOPB
IC310	8-759-338-95	s	IC NJM2903V (TE2)
IC311	8-759-338-95	s	IC NJM2903V (TE2)
IC312	6-720-623-01	s	IC DAC081C085CIMMX/NOPB
IC501	6-716-852-01	s	IC TPS54425PWPR
IC502	6-715-659-01	s	IC PST8428UL
IC505	6-716-852-01	s	IC TPS54425PWPR
IC506	6-717-680-01	s	IC BD00ICOWEFJ-E2
IC507	6-716-852-01	s	IC TPS54425PWPR
IC508	6-717-680-01	s	IC BD00ICOWEFJ-E2
IC510	6-715-659-01	s	IC PST8428UL
IC512	6-716-852-01	s	IC TPS54425PWPR
IC513	6-717-680-01	s	IC BD00ICOWEFJ-E2

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Ref. No. or Q'ty	Part No.	SP	Description
IC602	6-717-640-01	s	IC CS4335-KSZR-2
IC802	6-713-025-01	s	IC THC7984-17
IC803	6-716-852-01	s	IC TPS54425PWPR
IC804	6-717-680-01	s	IC BD00ICOWEFJ-E2
IC1001	6-715-659-01	s	IC PST8428UL
IC1002	6-716-852-01	s	IC TPS54425PWPR
IC1003	6-716-852-01	s	IC TPS54425PWPR
IC1005	6-715-659-01	s	IC PST8428UL
IC1006	6-716-852-01	s	IC TPS54425PWPR
IC1007	6-717-680-01	s	IC BD00ICOWEFJ-E2
IC1011	6-706-487-01	s	IC TC7SH08FU
IC1012	6-706-487-01	s	IC TC7SH08FU
IC1013	6-706-487-01	s	IC TC7SH08FU
IC1014	8-759-337-40	s	IC NJM2904V (TE2)
IC1015	8-759-337-40	s	IC NJM2904V (TE2)
IC1201	6-707-843-01	s	IC TC74LCX125FT (EKJ)
IC1202	6-715-659-01	s	IC PST8428UL
IC1601	8-753-300-76	s	IC CXA7010R-T6
IC1602	6-706-487-01	s	IC TC7SH08FU
IC1701	8-753-300-76	s	IC CXA7010R-T6
IC1702	6-706-487-01	s	IC TC7SH08FU
IC1801	8-753-300-76	s	IC CXA7010R-T6
IC1802	6-706-487-01	s	IC TC7SH08FU
IC2007	6-716-852-01	s	IC TPS54425PWPR
IC2101	6-715-659-01	s	IC PST8428UL
IC2102	6-707-843-01	s	IC TC74LCX125FT (EKJ)
IC2203	6-714-608-01	s	IC TPS51200DRCR
L501	1-457-455-11	s	CHOCO COIL 10UH
L502	1-457-455-11	s	CHOCO COIL 10UH
L503	1-457-455-11	s	CHOCO COIL 10UH
L504	1-457-455-11	s	CHOCO COIL 10UH
L701	1-469-549-21	s	INDUCTOR, CHIP 1.0UH (LB2016)
L704	1-469-549-21	s	INDUCTOR, CHIP 1.0UH (LB2016)
L705	1-469-555-21	s	INDUCTOR, CHIP 10UH (LB2016)
L706	1-469-549-21	s	INDUCTOR, CHIP 1.0UH (LB2016)
L707	1-469-555-21	s	INDUCTOR, CHIP 10UH (LB2016)
L708	1-469-555-21	s	INDUCTOR, CHIP 10UH (LB2016)
L709	1-469-555-21	s	INDUCTOR, CHIP 10UH (LB2016)
L710	1-469-555-21	s	INDUCTOR, CHIP 10UH (LB2016)
L711	1-469-555-21	s	INDUCTOR, CHIP 10UH (LB2016)
L801	1-457-454-11	s	CHOCO COIL 47UH
L1001	1-457-455-11	s	CHOCO COIL 10UH
L1002	1-457-455-11	s	CHOCO COIL 10UH
L1003	1-457-455-11	s	CHOCO COIL 10UH
L1601	1-469-549-21	s	INDUCTOR, CHIP 1.0UH (LB2016)
L1602	1-469-549-21	s	INDUCTOR, CHIP 1.0UH (LB2016)
L1701	1-469-549-21	s	INDUCTOR, CHIP 1.0UH (LB2016)
L1702	1-469-549-21	s	INDUCTOR, CHIP 1.0UH (LB2016)
L1801	1-469-549-21	s	INDUCTOR, CHIP 1.0UH (LB2016)
L1802	1-469-549-21	s	INDUCTOR, CHIP 1.0UH (LB2016)
L2003	1-457-455-11	s	CHOCO COIL 10UH
Q201	6-552-723-01	o	TR SSM6N37FE, RSONYM
Q202	6-552-723-01	o	TR SSM6N37FE, RSONYM
Q203	6-552-723-01	o	TR SSM6N37FE, RSONYM
Q301	6-551-667-01	s	TR SSM3K16FV (TL3S)
Q303	6-552-892-01	s	TR LSCR523UBFS8TL
Q305	6-552-949-01	s	TR LTC044EUBFS8TL
Q306	8-729-013-28	s	TR HNLB01FU

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Ref. No. or Q'ty	Part No.	SP Description
Q307	6-551-667-01	s TR SSM3K16FV(TL3S
Q308	6-552-892-01	s TR LSCR523UBFS8TL
Q309	6-552-723-01	o TR SSM6N37FE, RSONYM
Q501	6-552-949-01	s TR LTC044EUBFS8TL
Q502	6-552-949-01	s TR LTC044EUBFS8TL
Q504	6-552-892-01	s TR LSCR523UBFS8TL
Q505	6-552-892-01	s TR LSCR523UBFS8TL
Q506	6-552-892-01	s TR LSCR523UBFS8TL
Q507	6-552-949-01	s TR LTC044EUBFS8TL
Q508	6-552-949-01	s TR LTC044EUBFS8TL
Q601	6-552-949-01	s TR LTC044EUBFS8TL
Q602	6-552-891-01	s TR LSAR523UBFS8TL
Q603	8-729-013-26	s TRANSISTOR HN1C03FU-TE85R
Q802	6-552-723-01	o TR SSM6N37FE, RSONYM
Q1101	6-551-667-01	s TR SSM3K16FV(TL3S
Q1601	8-729-045-93	o TRANSISTOR IMZ4T108
Q1603	8-729-045-93	o TRANSISTOR IMZ4T108
Q1701	8-729-045-93	o TRANSISTOR IMZ4T108
Q1703	8-729-045-93	o TRANSISTOR IMZ4T108
Q1801	8-729-045-93	o TRANSISTOR IMZ4T108
Q1803	8-729-045-93	o TRANSISTOR IMZ4T108
R101	1-208-903-81	s RES, CHIP 4.7K (1005)
R102	1-208-881-81	s RES, CHIP 560 (1005)
R103	1-208-895-81	s RES, CHIP 2.2K (1005)
R104	1-216-864-91	s CONDUCTOR, CHIP (1608)
R105	1-218-965-81	s RES, CHIP 10K 1005
R106	1-218-973-81	s RES, CHIP 47K
R107	1-218-973-81	s RES, CHIP 47K
R108	1-218-990-81	s CONDUCTOR, CHIP (1005)
R109	1-208-903-81	s RES, CHIP 4.7K (1005)
R110	1-218-989-81	s RES, CHIP 1M
R111	1-218-977-81	s RES, CHIP 100K
R113	1-218-990-81	s CONDUCTOR, CHIP (1005)
R114	1-218-990-81	s CONDUCTOR, CHIP (1005)
R116	1-218-965-81	s RES, CHIP 10K 1005
R117	1-218-965-81	s RES, CHIP 10K 1005
R118	1-220-230-91	s RES, SQUARE TYPE CHIP 2.2(3225)
R121	1-218-990-81	s CONDUCTOR, CHIP (1005)
R122	1-218-973-81	s RES, CHIP 47K
R123	1-218-990-81	s CONDUCTOR, CHIP (1005)
R124	1-218-990-81	s CONDUCTOR, CHIP (1005)
R125	1-218-990-81	s CONDUCTOR, CHIP (1005)
R200	1-218-929-81	s RES, CHIP 10
R202	1-218-965-81	s RES, CHIP 10K 1005
R203	1-218-965-81	s RES, CHIP 10K 1005
R204	1-208-911-81	s RES, CHIP 10K (1005)
R205	1-218-941-81	s RES, CHIP 100
R206	1-218-965-81	s RES, CHIP 10K 1005
R207	1-218-965-81	s RES, CHIP 10K 1005
R208	1-218-973-81	s RES, CHIP 47K
R209	1-218-965-81	s RES, CHIP 10K 1005
R210	1-218-973-81	s RES, CHIP 47K
R211	1-218-941-81	s RES, CHIP 100
R212	1-218-961-81	s RES, CHIP 4.7K
R213	1-218-965-81	s RES, CHIP 10K 1005
R214	1-218-965-81	s RES, CHIP 10K 1005
R215	1-218-941-81	s RES, CHIP 100
R216	1-218-965-81	s RES, CHIP 10K 1005

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Ref. No. or Q'ty	Part No.	SP Description
R217	1-218-965-81	s RES, CHIP 10K 1005
R218	1-218-965-81	s RES, CHIP 10K 1005
R219	1-218-965-81	s RES, CHIP 10K 1005
R220	1-218-965-81	s RES, CHIP 10K 1005
R221	1-218-961-81	s RES, CHIP 4.7K
R222	1-218-965-81	s RES, CHIP 10K 1005
R223	1-218-961-81	s RES, CHIP 4.7K
R224	1-218-953-81	s RES, CHIP 1.0K
R225	1-208-949-81	s RES, CHIP 390K (1005)
R226	1-208-935-81	s RES, CHIP 100K (1005)
R227	1-208-911-81	s RES, CHIP 10K (1005)
R228	1-218-933-81	s RES, CHIP 22
R229	1-218-933-81	s RES, CHIP 22
R230	1-218-941-81	s RES, CHIP 100
R231	1-218-941-81	s RES, CHIP 100
R232	1-218-957-81	s RES, CHIP 2.2K
R233	1-218-941-81	s RES, CHIP 100
R234	1-218-941-81	s RES, CHIP 100
R236	1-218-965-81	s RES, CHIP 10K 1005
R237	1-218-941-81	s RES, CHIP 100
R238	1-218-941-81	s RES, CHIP 100
R239	1-218-929-81	s RES, CHIP 10
R241	1-250-449-11	s RES, METAL FILM CHIP 12 (1005)
R242	1-250-449-11	s RES, METAL FILM CHIP 12 (1005)
R243	1-250-451-11	s RES, METAL FILM CHIP 15 (1005)
R244	1-250-451-11	s RES, METAL FILM CHIP 15 (1005)
R245	1-218-929-81	s RES, CHIP 10
R246	1-218-965-81	s RES, CHIP 10K 1005
R247	1-218-965-81	s RES, CHIP 10K 1005
R248	1-218-965-81	s RES, CHIP 10K 1005
R250	1-218-965-81	s RES, CHIP 10K 1005
R251	1-218-965-81	s RES, CHIP 10K 1005
R252	1-218-965-81	s RES, CHIP 10K 1005
R253	1-218-965-81	s RES, CHIP 10K 1005
R254	1-218-941-81	s RES, CHIP 100
R255	1-218-941-81	s RES, CHIP 100
R256	1-218-957-81	s RES, CHIP 2.2K
R258	1-218-941-81	s RES, CHIP 100
R259	1-218-941-81	s RES, CHIP 100
R261	1-218-933-81	s RES, CHIP 22
R262	1-218-933-81	s RES, CHIP 22
R263	1-218-990-81	s CONDUCTOR, CHIP (1005)
R265	1-218-941-81	s RES, CHIP 100
R266	1-218-941-81	s RES, CHIP 100
R267	1-218-941-81	s RES, CHIP 100
R268	1-218-941-81	s RES, CHIP 100
R269	1-218-933-81	s RES, CHIP 22
R270	1-218-933-81	s RES, CHIP 22
R271	1-218-933-81	s RES, CHIP 22
R273	1-218-965-81	s RES, CHIP 10K 1005
R275	1-218-965-81	s RES, CHIP 10K 1005
R277	1-218-965-81	s RES, CHIP 10K 1005
R280	1-218-965-81	s RES, CHIP 10K 1005
R285	1-218-965-81	s RES, CHIP 10K 1005
R286	1-218-965-81	s RES, CHIP 10K 1005
R287	1-218-961-81	s RES, CHIP 4.7K
R288	1-218-961-81	s RES, CHIP 4.7K
R291	1-218-941-81	s RES, CHIP 100
R294	1-218-941-81	s RES, CHIP 100



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Ref. No. or Q'ty	Part No.	SP Description
R295	1-218-941-81	s RES, CHIP 100
R297	1-218-953-81	s RES, CHIP 1.0K
R298	1-218-957-81	s RES, CHIP 2.2K
R299	1-218-957-81	s RES, CHIP 2.2K
R300	1-218-985-81	s RES, CHIP 470K
R301	1-218-965-81	s RES, CHIP 10K 1005
R302	1-218-965-81	s RES, CHIP 10K 1005
R303	1-218-985-81	s RES, CHIP 470K
R304	1-218-959-81	s RES, CHIP 3.3K
R305	1-218-965-81	s RES, CHIP 10K 1005
R306	1-218-990-81	s CONDUCTOR, CHIP (1005)
R307	1-218-945-81	s RES, CHIP 220
R308	1-218-965-81	s RES, CHIP 10K 1005
R309	1-218-965-81	s RES, CHIP 10K 1005
R310	1-218-953-81	s RES, CHIP 1.0K
R311	1-218-965-81	s RES, CHIP 10K 1005
R312	1-218-965-81	s RES, CHIP 10K 1005
R313	1-218-973-81	s RES, CHIP 47K
R314	1-218-965-81	s RES, CHIP 10K 1005
R315	1-218-941-81	s RES, CHIP 100
R316	1-218-941-81	s RES, CHIP 100
R317	1-218-965-81	s RES, CHIP 10K 1005
R318	1-208-903-81	s RES, CHIP 4.7K (1005)
R319	1-208-915-81	s RES, CHIP 15K (1005)
R320	1-218-957-81	s RES, CHIP 2.2K
R321	1-208-903-81	s RES, CHIP 4.7K (1005)
R323	1-218-965-81	s RES, CHIP 10K 1005
R326	1-218-965-81	s RES, CHIP 10K 1005
R327	1-218-965-81	s RES, CHIP 10K 1005
R328	1-218-973-81	s RES, CHIP 47K
R330	1-218-961-81	s RES, CHIP 4.7K
R331	1-218-973-81	s RES, CHIP 47K
R335	1-218-990-81	s CONDUCTOR, CHIP (1005)
R336	1-218-973-81	s RES, CHIP 47K
R337	1-218-965-81	s RES, CHIP 10K 1005
R340	1-218-990-81	s CONDUCTOR, CHIP (1005)
R341	1-218-973-81	s RES, CHIP 47K
R347	1-218-941-81	s RES, CHIP 100
R348	1-218-941-81	s RES, CHIP 100
R349	1-218-953-81	s RES, CHIP 1.0K
R350	1-218-990-81	s CONDUCTOR, CHIP (1005)
R351	1-218-990-81	s CONDUCTOR, CHIP (1005)
R352	1-218-965-81	s RES, CHIP 10K 1005
R353	1-218-965-81	s RES, CHIP 10K 1005
R354	1-218-965-81	s RES, CHIP 10K 1005
R355	1-218-973-81	s RES, CHIP 47K
R358	1-218-965-81	s RES, CHIP 10K 1005
R359	1-218-965-81	s RES, CHIP 10K 1005
R360	1-218-965-81	s RES, CHIP 10K 1005
R361	1-218-965-81	s RES, CHIP 10K 1005
R362	1-218-933-81	s RES, CHIP 22
R363	1-218-933-81	s RES, CHIP 22
R364	1-218-965-81	s RES, CHIP 10K 1005
R366	1-218-929-81	s RES, CHIP 10
R367	1-218-933-81	s RES, CHIP 22
R369	1-218-933-81	s RES, CHIP 22
R371	1-218-965-81	s RES, CHIP 10K 1005
R372	1-218-965-81	s RES, CHIP 10K 1005
R374	1-218-965-81	s RES, CHIP 10K 1005

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Ref. No. or Q'ty	Part No.	SP Description
R375	1-218-990-81	s CONDUCTOR, CHIP (1005)
R376	1-218-965-81	s RES, CHIP 10K 1005
R379	1-218-965-81	s RES, CHIP 10K 1005
R380	1-218-990-81	s CONDUCTOR, CHIP (1005)
R381	1-218-961-81	s RES, CHIP 4.7K
R382	1-218-961-81	s RES, CHIP 4.7K
R383	1-218-961-81	s RES, CHIP 4.7K
R384	1-218-961-81	s RES, CHIP 4.7K
R385	1-218-957-81	s RES, CHIP 2.2K
R386	1-218-957-81	s RES, CHIP 2.2K
R387	1-218-957-81	s RES, CHIP 2.2K
R388	1-218-957-81	s RES, CHIP 2.2K
R389	1-218-941-81	s RES, CHIP 100
R390	1-218-941-81	s RES, CHIP 100
R391	1-218-965-81	s RES, CHIP 10K 1005
R392	1-218-953-81	s RES, CHIP 1.0K
R393	1-218-957-81	s RES, CHIP 2.2K
R395	1-218-965-81	s RES, CHIP 10K 1005
R396	1-218-933-81	s RES, CHIP 22
R397	1-208-903-81	s RES, CHIP 4.7K (1005)
R398	1-218-961-81	s RES, CHIP 4.7K
R399	1-218-965-81	s RES, CHIP 10K 1005
R401	1-208-887-81	s RES, CHIP 1.0K (1005)
R402	1-218-929-81	s RES, CHIP 10
R403	1-218-929-81	s RES, CHIP 10
R404	1-218-929-81	s RES, CHIP 10
R405	1-218-929-81	s RES, CHIP 10
R406	1-218-929-81	s RES, CHIP 10
R407	1-218-929-81	s RES, CHIP 10
R408	1-218-929-81	s RES, CHIP 10
R409	1-218-929-81	s RES, CHIP 10
R410	1-218-929-81	s RES, CHIP 10
R411	1-218-929-81	s RES, CHIP 10
R412	1-218-929-81	s RES, CHIP 10
R413	1-218-929-81	s RES, CHIP 10
R414	1-218-929-81	s RES, CHIP 10
R415	1-218-929-81	s RES, CHIP 10
R416	1-218-929-81	s RES, CHIP 10
R417	1-218-929-81	s RES, CHIP 10
R418	1-218-929-81	s RES, CHIP 10
R419	1-218-929-81	s RES, CHIP 10
R420	1-218-929-81	s RES, CHIP 10
R421	1-218-929-81	s RES, CHIP 10
R422	1-218-929-81	s RES, CHIP 10
R423	1-218-929-81	s RES, CHIP 10
R424	1-218-929-81	s RES, CHIP 10
R425	1-218-929-81	s RES, CHIP 10
R426	1-218-929-81	s RES, CHIP 10
R427	1-208-887-81	s RES, CHIP 1.0K (1005)
R428	1-218-933-81	s RES, CHIP 22
R429	1-218-933-81	s RES, CHIP 22
R430	1-218-933-81	s RES, CHIP 22
R431	1-218-933-81	s RES, CHIP 22
R432	1-218-933-81	s RES, CHIP 22
R433	1-218-933-81	s RES, CHIP 22
R434	1-208-863-81	s RES, CHIP 100 (1005)
R435	1-218-990-81	s CONDUCTOR, CHIP (1005)
R436	1-218-933-81	s RES, CHIP 22
R437	1-218-933-81	s RES, CHIP 22

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Ref. No. or Q'ty	Part No.	SP Description
R438	1-218-933-81	s RES, CHIP 22
R439	1-218-933-81	s RES, CHIP 22
R440	1-218-933-81	s RES, CHIP 22
R441	1-218-933-81	s RES, CHIP 22
R442	1-218-933-81	s RES, CHIP 22
R443	1-218-933-81	s RES, CHIP 22
R444	1-218-933-81	s RES, CHIP 22
R445	1-218-933-81	s RES, CHIP 22
R446	1-218-933-81	s RES, CHIP 22
R447	1-218-933-81	s RES, CHIP 22
R448	1-218-933-81	s RES, CHIP 22
R449	1-218-933-81	s RES, CHIP 22
R450	1-218-933-81	s RES, CHIP 22
R451	1-218-933-81	s RES, CHIP 22
R452	1-208-887-81	s RES, CHIP 1.0K (1005)
R453	1-208-887-81	s RES, CHIP 1.0K (1005)
R454	1-218-933-81	s RES, CHIP 22
R455	1-218-933-81	s RES, CHIP 22
R456	1-218-933-81	s RES, CHIP 22
R457	1-218-933-81	s RES, CHIP 22
R458	1-218-933-81	s RES, CHIP 22
R459	1-218-933-81	s RES, CHIP 22
R460	1-208-863-81	s RES, CHIP 100 (1005)
R461	1-218-990-81	s CONDUCTOR, CHIP (1005)
R462	1-218-933-81	s RES, CHIP 22
R463	1-218-933-81	s RES, CHIP 22
R464	1-218-933-81	s RES, CHIP 22
R465	1-218-933-81	s RES, CHIP 22
R466	1-218-933-81	s RES, CHIP 22
R467	1-218-933-81	s RES, CHIP 22
R468	1-218-933-81	s RES, CHIP 22
R469	1-218-933-81	s RES, CHIP 22
R470	1-218-933-81	s RES, CHIP 22
R471	1-218-933-81	s RES, CHIP 22
R472	1-218-933-81	s RES, CHIP 22
R473	1-218-933-81	s RES, CHIP 22
R474	1-218-933-81	s RES, CHIP 22
R475	1-218-933-81	s RES, CHIP 22
R476	1-218-933-81	s RES, CHIP 22
R477	1-218-933-81	s RES, CHIP 22
R478	1-218-941-81	s RES, CHIP 100
R479	1-218-941-81	s RES, CHIP 100
R480	1-218-941-81	s RES, CHIP 100
R481	1-218-941-81	s RES, CHIP 100
R482	1-208-887-81	s RES, CHIP 1.0K (1005)
R483	1-208-887-81	s RES, CHIP 1.0K (1005)
R484	1-218-941-81	s RES, CHIP 100
R485	1-218-941-81	s RES, CHIP 100
R486	1-218-941-81	s RES, CHIP 100
R487	1-218-941-81	s RES, CHIP 100
R488	1-218-941-81	s RES, CHIP 100
R489	1-218-941-81	s RES, CHIP 100
R490	1-218-941-81	s RES, CHIP 100
R491	1-218-941-81	s RES, CHIP 100
R492	1-218-941-81	s RES, CHIP 100
R493	1-218-941-81	s RES, CHIP 100
R494	1-218-941-81	s RES, CHIP 100
R495	1-218-941-81	s RES, CHIP 100
R496	1-218-941-81	s RES, CHIP 100

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Ref. No. or Q'ty	Part No.	SP Description
R497	1-218-941-81	s RES, CHIP 100
R498	1-218-941-81	s RES, CHIP 100
R499	1-218-941-81	s RES, CHIP 100
R502	1-218-973-81	s RES, CHIP 47K
R503	1-218-990-81	s CONDUCTOR, CHIP (1005)
R504	1-218-990-81	s CONDUCTOR, CHIP (1005)
R505	1-218-965-81	s RES, CHIP 10K 1005
R506	1-208-931-81	s RES, CHIP 68K (1005)
R507	1-208-903-81	s RES, CHIP 4.7K (1005)
R508	1-208-919-81	s RES, CHIP 22K (1005)
R509	1-218-965-81	s RES, CHIP 10K 1005
R510	1-208-919-81	s RES, CHIP 22K (1005)
R511	1-208-897-81	s RES, CHIP 2.7K (1005)
R512	1-208-903-81	s RES, CHIP 4.7K (1005)
R513	1-218-949-81	s RES, CHIP 470
R515	1-216-864-91	s CONDUCTOR, CHIP (1608)
R517	1-208-863-81	s RES, CHIP 100 (1005)
R519	1-218-990-81	s CONDUCTOR, CHIP (1005)
R520	1-218-965-81	s RES, CHIP 10K 1005
R521	1-208-935-81	s RES, CHIP 100K (1005)
R522	1-208-921-81	s RES, CHIP 27K (1005)
R523	1-208-919-81	s RES, CHIP 22K (1005)
R524	1-218-990-81	s CONDUCTOR, CHIP (1005)
R525	1-208-915-81	s RES, CHIP 15K (1005)
R526	1-208-899-81	s RES, CHIP 3.3K (1005)
R527	1-208-913-81	s RES, CHIP 12K (1005)
R528	1-218-990-81	s CONDUCTOR, CHIP (1005)
R529	1-218-990-81	s CONDUCTOR, CHIP (1005)
R531	1-218-990-81	s CONDUCTOR, CHIP (1005)
R532	1-218-990-81	s CONDUCTOR, CHIP (1005)
R533	1-218-990-81	s CONDUCTOR, CHIP (1005)
R534	1-216-864-91	s CONDUCTOR, CHIP (1608)
R535	1-218-953-81	s RES, CHIP 1.0K
R536	1-216-864-91	s CONDUCTOR, CHIP (1608)
R537	1-218-949-81	s RES, CHIP 470
R538	1-218-969-81	s RES, CHIP 22K
R539	1-218-961-81	s RES, CHIP 4.7K
R540	1-218-973-81	s RES, CHIP 47K
R541	1-218-990-81	s CONDUCTOR, CHIP (1005)
R542	1-218-973-81	s RES, CHIP 47K
R544	1-218-965-81	s RES, CHIP 10K 1005
R545	1-208-915-81	s RES, CHIP 15K (1005)
R546	1-208-915-81	s RES, CHIP 15K (1005)
R547	1-208-919-81	s RES, CHIP 22K (1005)
R548	1-208-915-81	s RES, CHIP 15K (1005)
R549	1-218-990-81	s CONDUCTOR, CHIP (1005)
R550	1-208-913-81	s RES, CHIP 12K (1005)
R552	1-218-969-81	s RES, CHIP 22K
R553	1-218-961-81	s RES, CHIP 4.7K
R554	1-218-973-81	s RES, CHIP 47K
R555	1-218-949-81	s RES, CHIP 470
R556	1-218-973-81	s RES, CHIP 47K
R557	1-218-965-81	s RES, CHIP 10K 1005
R558	1-216-864-91	s CONDUCTOR, CHIP (1608)
R559	1-218-949-81	s RES, CHIP 470
R561	1-218-969-81	s RES, CHIP 22K
R562	1-218-961-81	s RES, CHIP 4.7K
R563	1-218-973-81	s RES, CHIP 47K
R564	1-218-990-81	s CONDUCTOR, CHIP (1005)

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Ref. No. or Q'ty	Part No.	SP	Description
R565	1-218-973-81	s	RES, CHIP 47K
R567	1-218-965-81	s	RES, CHIP 10K 1005
R569	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R570	1-218-965-81	s	RES, CHIP 10K 1005
R571	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R572	1-218-965-81	s	RES, CHIP 10K 1005
R574	1-218-965-81	s	RES, CHIP 10K 1005
R575	1-208-923-81	s	RES, CHIP 33K (1005)
R576	1-208-903-81	s	RES, CHIP 4.7K (1005)
R577	1-208-913-81	s	RES, CHIP 12K (1005)
R578	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R579	1-218-949-81	s	RES, CHIP 470
R580	1-208-899-81	s	RES, CHIP 3.3K (1005)
R581	1-208-879-81	s	RES, CHIP 470 (1005)
R582	1-208-913-81	s	RES, CHIP 12K (1005)
R585	1-208-903-81	s	RES, CHIP 4.7K (1005)
R586	1-208-903-81	s	RES, CHIP 4.7K (1005)
R587	1-208-919-81	s	RES, CHIP 22K (1005)
R588	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R589	1-218-949-81	s	RES, CHIP 470
R590	1-218-949-81	s	RES, CHIP 470
R592	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R593	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R594	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R595	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R596	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R597	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R598	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R601	1-218-953-81	s	RES, CHIP 1.0K
R611	1-218-937-81	s	RES, CHIP 47
R613	1-218-937-81	s	RES, CHIP 47
R616	1-218-989-81	s	RES, CHIP 1M
R617	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R618	1-218-969-81	s	RES, CHIP 22K
R619	1-218-969-81	s	RES, CHIP 22K
R620	1-218-965-81	s	RES, CHIP 10K 1005
R621	1-250-553-11	s	RES, METAL FILM CHIP 270K(1005)
R622	1-250-553-11	s	RES, METAL FILM CHIP 270K(1005)
R623	1-218-965-81	s	RES, CHIP 10K 1005
R624	1-218-965-81	s	RES, CHIP 10K 1005
R625	1-250-489-11	o	RES, METAL FILM CHIP 560(1005)
R626	1-250-489-11	o	RES, METAL FILM CHIP 560(1005)
R627	1-250-553-11	s	RES, METAL FILM CHIP 270K(1005)
R628	1-250-553-11	s	RES, METAL FILM CHIP 270K(1005)
R629	1-218-969-81	s	RES, CHIP 22K
R630	1-218-969-81	s	RES, CHIP 22K
R633	1-218-953-81	s	RES, CHIP 1.0K
R634	1-218-953-81	s	RES, CHIP 1.0K
R642	1-218-957-81	s	RES, CHIP 2.2K
R644	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R646	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R648	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R701	1-211-985-91	s	RES, CHIP 47 (1608)
R702	1-211-985-91	s	RES, CHIP 47 (1608)
R703	1-211-985-91	s	RES, CHIP 47 (1608)
R707	1-211-979-91	s	RES, CHIP 27 (1608)
R708	1-211-979-91	s	RES, CHIP 27 (1608)
R709	1-211-979-91	s	RES, CHIP 27 (1608)
R710	1-218-990-81	s	CONDUCTOR, CHIP (1005)

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Ref. No. or Q'ty	Part No.	SP	Description
R711	1-218-953-81	s	RES, CHIP 1.0K
R712	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R713	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R714	1-211-985-91	s	RES, CHIP 47 (1608)
R716	1-211-985-91	s	RES, CHIP 47 (1608)
R718	1-211-990-91	s	RES, CHIP 75 (1608)
R719	1-211-990-91	s	RES, CHIP 75 (1608)
R720	1-211-990-91	s	RES, CHIP 75 (1608)
R721	1-218-955-81	s	RES, CHIP 1.5K
R722	1-211-985-91	s	RES, CHIP 47 (1608)
R726	1-218-941-81	s	RES, CHIP 100
R727	1-218-941-81	s	RES, CHIP 100
R728	1-218-941-81	s	RES, CHIP 100
R729	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R730	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R731	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R732	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R733	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R734	1-218-989-81	s	RES, CHIP 1M
R735	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R801	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R802	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R803	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R805	1-211-985-91	s	RES, CHIP 47 (1608)
R806	1-211-990-91	s	RES, CHIP 75 (1608)
R807	1-211-985-91	s	RES, CHIP 47 (1608)
R808	1-211-990-91	s	RES, CHIP 75 (1608)
R809	1-211-985-91	s	RES, CHIP 47 (1608)
R810	1-211-990-91	s	RES, CHIP 75 (1608)
R813	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R814	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R817	1-218-965-81	s	RES, CHIP 10K 1005
R818	1-218-965-81	s	RES, CHIP 10K 1005
R819	1-208-895-81	s	RES, CHIP 2.2K (1005)
R821	1-218-965-81	s	RES, CHIP 10K 1005
R822	1-218-957-81	s	RES, CHIP 2.2K
R823	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R825	1-218-933-81	s	RES, CHIP 22
R826	1-218-965-81	s	RES, CHIP 10K 1005
R827	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R828	1-218-957-81	s	RES, CHIP 2.2K
R831	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R833	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R834	1-208-931-81	s	RES, CHIP 68K (1005)
R835	1-208-903-81	s	RES, CHIP 4.7K (1005)
R836	1-208-919-81	s	RES, CHIP 22K (1005)
R837	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R838	1-218-949-81	s	RES, CHIP 470
R839	1-218-965-81	s	RES, CHIP 10K 1005
R840	1-208-915-81	s	RES, CHIP 15K (1005)
R841	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R842	1-208-913-81	s	RES, CHIP 12K (1005)
R844	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R845	1-218-949-81	s	RES, CHIP 470
R847	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R901	1-218-965-81	s	RES, CHIP 10K 1005
R902	1-218-957-81	s	RES, CHIP 2.2K
R904	1-218-957-81	s	RES, CHIP 2.2K
R906	1-218-957-81	s	RES, CHIP 2.2K

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Ref. No. or Q'ty	Part No.	SP Description
R908	1-218-957-81	s RES, CHIP 2.2K
R911	1-218-990-81	s CONDUCTOR, CHIP (1005)
R912	1-218-965-81	s RES, CHIP 10K 1005
R915	1-218-965-81	s RES, CHIP 10K 1005
R916	1-218-965-81	s RES, CHIP 10K 1005
R917	1-218-989-81	s RES, CHIP 1M
R918	1-218-965-81	s RES, CHIP 10K 1005
R919	1-218-965-81	s RES, CHIP 10K 1005
R920	1-218-990-81	s CONDUCTOR, CHIP (1005)
R921	1-218-990-81	s CONDUCTOR, CHIP (1005)
R923	1-218-941-81	s RES, CHIP 100
R925	1-218-941-81	s RES, CHIP 100
R926	1-218-941-81	s RES, CHIP 100
R928	1-218-941-81	s RES, CHIP 100
R929	1-218-941-81	s RES, CHIP 100
R930	1-218-953-81	s RES, CHIP 1.0K
R931	1-218-990-81	s CONDUCTOR, CHIP (1005)
R932	1-208-887-81	s RES, CHIP 1.0K (1005)
R933	1-208-903-81	s RES, CHIP 4.7K (1005)
R934	1-208-887-81	s RES, CHIP 1.0K (1005)
R935	1-218-941-81	s RES, CHIP 100
R936	1-218-941-81	s RES, CHIP 100
R937	1-208-903-81	s RES, CHIP 4.7K (1005)
R938	1-208-875-81	s RES, CHIP 330 (1005)
R939	1-220-870-81	s RES, CHIP 10 (1005)
R940	1-208-875-81	s RES, CHIP 330 (1005)
R941	1-218-990-81	s CONDUCTOR, CHIP (1005)
R942	1-218-990-81	s CONDUCTOR, CHIP (1005)
R943	1-218-941-81	s RES, CHIP 100
R944	1-220-870-81	s RES, CHIP 10 (1005)
R1001	1-218-990-81	s CONDUCTOR, CHIP (1005)
R1002	1-218-990-81	s CONDUCTOR, CHIP (1005)
R1003	1-218-965-81	s RES, CHIP 10K 1005
R1004	1-218-990-81	s CONDUCTOR, CHIP (1005)
R1006	1-218-990-81	s CONDUCTOR, CHIP (1005)
R1007	1-218-990-81	s CONDUCTOR, CHIP (1005)
R1008	1-208-931-81	s RES, CHIP 68K (1005)
R1009	1-208-903-81	s RES, CHIP 4.7K (1005)
R1010	1-208-919-81	s RES, CHIP 22K (1005)
R1011	1-208-921-81	s RES, CHIP 27K (1005)
R1012	1-208-901-81	s RES, CHIP 3.9K (1005)
R1013	1-208-919-81	s RES, CHIP 22K (1005)
R1015	1-216-864-91	s CONDUCTOR, CHIP (1608)
R1018	1-218-965-81	s RES, CHIP 10K 1005
R1019	1-218-990-81	s CONDUCTOR, CHIP (1005)
R1021	1-218-965-81	s RES, CHIP 10K 1005
R1022	1-218-990-81	s CONDUCTOR, CHIP (1005)
R1023	1-208-907-81	s RES, CHIP 6.8K (1005)
R1024	1-208-875-81	s RES, CHIP 330 (1005)
R1025	1-208-919-81	s RES, CHIP 22K (1005)
R1026	1-208-919-81	s RES, CHIP 22K (1005)
R1027	1-208-901-81	s RES, CHIP 3.9K (1005)
R1028	1-208-913-81	s RES, CHIP 12K (1005)
R1029	1-216-864-91	s CONDUCTOR, CHIP (1608)
R1031	1-216-864-91	s CONDUCTOR, CHIP (1608)
R1037	1-208-911-81	s RES, CHIP 10K (1005)
R1038	1-208-875-81	s RES, CHIP 330 (1005)
R1039	1-208-895-81	s RES, CHIP 2.2K (1005)
R1040	1-208-911-81	s RES, CHIP 10K (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R1041	1-208-875-81	s RES, CHIP 330 (1005)
R1042	1-208-895-81	s RES, CHIP 2.2K (1005)
R1043	1-208-911-81	s RES, CHIP 10K (1005)
R1044	1-208-875-81	s RES, CHIP 330 (1005)
R1045	1-208-895-81	s RES, CHIP 2.2K (1005)
R1046	1-216-864-91	s CONDUCTOR, CHIP (1608)
R1047	1-216-864-91	s CONDUCTOR, CHIP (1608)
R1048	1-216-864-91	s CONDUCTOR, CHIP (1608)
R1049	1-216-864-91	s CONDUCTOR, CHIP (1608)
R1050	1-216-864-91	s CONDUCTOR, CHIP (1608)
R1051	1-216-864-91	s CONDUCTOR, CHIP (1608)
R1052	1-218-981-81	s RES, CHIP 220K
R1056	1-208-919-81	s RES, CHIP 22K (1005)
R1057	1-208-919-81	s RES, CHIP 22K (1005)
R1058	1-208-919-81	s RES, CHIP 22K (1005)
R1059	1-218-981-81	s RES, CHIP 220K
R1060	1-218-981-81	s RES, CHIP 220K
R1061	1-218-981-81	s RES, CHIP 220K
R1062	1-216-864-91	s CONDUCTOR, CHIP (1608)
R1063	1-216-864-91	s CONDUCTOR, CHIP (1608)
R1064	1-216-864-91	s CONDUCTOR, CHIP (1608)
R1101	1-218-969-81	s RES, CHIP 22K
R1102	1-218-969-81	s RES, CHIP 22K
R1103	1-218-965-81	s RES, CHIP 10K 1005
R1107	1-208-863-81	s RES, CHIP 100 (1005)
R1108	1-208-863-81	s RES, CHIP 100 (1005)
R1109	1-208-863-81	s RES, CHIP 100 (1005)
R1110	1-208-863-81	s RES, CHIP 100 (1005)
R1111	1-208-863-81	s RES, CHIP 100 (1005)
R1112	1-208-863-81	s RES, CHIP 100 (1005)
R1113	1-218-959-81	s RES, CHIP 3.3K
R1114	1-208-863-81	s RES, CHIP 100 (1005)
R1115	1-208-863-81	s RES, CHIP 100 (1005)
R1116	1-208-863-81	s RES, CHIP 100 (1005)
R1117	1-208-863-81	s RES, CHIP 100 (1005)
R1118	1-208-863-81	s RES, CHIP 100 (1005)
R1119	1-208-863-81	s RES, CHIP 100 (1005)
R1120	1-218-959-81	s RES, CHIP 3.3K
R1126	1-218-953-81	s RES, CHIP 1.0K
R1127	1-218-953-81	s RES, CHIP 1.0K
R1128	1-218-937-81	s RES, CHIP 47
R1129	1-218-937-81	s RES, CHIP 47
R1130	1-218-937-81	s RES, CHIP 47
R1131	1-218-937-81	s RES, CHIP 47
R1132	1-218-937-81	s RES, CHIP 47
R1133	1-218-937-81	s RES, CHIP 47
R1134	1-218-937-81	s RES, CHIP 47
R1135	1-218-937-81	s RES, CHIP 47
R1136	1-218-937-81	s RES, CHIP 47
R1137	1-218-937-81	s RES, CHIP 47
R1138	1-218-937-81	s RES, CHIP 47
R1139	1-218-937-81	s RES, CHIP 47
R1140	1-218-937-81	s RES, CHIP 47
R1141	1-218-937-81	s RES, CHIP 47
R1142	1-218-937-81	s RES, CHIP 47
R1143	1-218-937-81	s RES, CHIP 47
R1144	1-218-937-81	s RES, CHIP 47
R1145	1-218-937-81	s RES, CHIP 47
R1146	1-218-937-81	s RES, CHIP 47

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Ref. No. or Q'ty	Part No.	SP Description
R1147	1-218-937-81	s RES, CHIP 47
R1148	1-218-937-81	s RES, CHIP 47
R1149	1-218-937-81	s RES, CHIP 47
R1150	1-218-937-81	s RES, CHIP 47
R1151	1-218-937-81	s RES, CHIP 47
R1152	1-218-937-81	s RES, CHIP 47
R1153	1-218-937-81	s RES, CHIP 47
R1154	1-218-937-81	s RES, CHIP 47
R1155	1-218-937-81	s RES, CHIP 47
R1156	1-218-937-81	s RES, CHIP 47
R1157	1-218-937-81	s RES, CHIP 47
R1158	1-218-937-81	s RES, CHIP 47
R1159	1-218-937-81	s RES, CHIP 47
R1160	1-218-937-81	s RES, CHIP 47
R1161	1-218-937-81	s RES, CHIP 47
R1162	1-218-965-81	s RES, CHIP 10K 1005
R1163	1-218-965-81	s RES, CHIP 10K 1005
R1164	1-218-937-81	s RES, CHIP 47
R1201	1-218-959-81	s RES, CHIP 3.3K
R1202	1-218-959-81	s RES, CHIP 3.3K
R1203	1-218-959-81	s RES, CHIP 3.3K
R1204	1-218-959-81	s RES, CHIP 3.3K
R1205	1-218-959-81	s RES, CHIP 3.3K
R1206	1-218-959-81	s RES, CHIP 3.3K
R1208	1-218-941-81	s RES, CHIP 100
R1209	1-218-937-81	s RES, CHIP 47
R1210	1-218-937-81	s RES, CHIP 47
R1211	1-218-965-81	s RES, CHIP 10K 1005
R1213	1-218-941-81	s RES, CHIP 100
R1215	1-218-941-81	s RES, CHIP 100
R1216	1-218-961-81	s RES, CHIP 4.7K
R1217	1-218-961-81	s RES, CHIP 4.7K
R1218	1-218-965-81	s RES, CHIP 10K 1005
R1220	1-218-965-81	s RES, CHIP 10K 1005
R1221	1-218-933-81	s RES, CHIP 22
R1224	1-218-965-81	s RES, CHIP 10K 1005
R1228	1-218-990-81	s CONDUCTOR, CHIP (1005)
R1229	1-218-965-81	s RES, CHIP 10K 1005
R1233	1-218-965-81	s RES, CHIP 10K 1005
R1235	1-218-933-81	s RES, CHIP 22
R1236	1-218-965-81	s RES, CHIP 10K 1005
R1238	1-218-933-81	s RES, CHIP 22
R1239	1-218-933-81	s RES, CHIP 22
R1240	1-218-933-81	s RES, CHIP 22
R1241	1-218-933-81	s RES, CHIP 22
R1242	1-218-965-81	s RES, CHIP 10K 1005
R1243	1-218-965-81	s RES, CHIP 10K 1005
R1244	1-218-961-81	s RES, CHIP 4.7K
R1247	1-218-961-81	s RES, CHIP 4.7K
R1258	1-218-933-81	s RES, CHIP 22
R1259	1-218-933-81	s RES, CHIP 22
R1260	1-218-933-81	s RES, CHIP 22
R1261	1-218-933-81	s RES, CHIP 22
R1262	1-218-933-81	s RES, CHIP 22
R1263	1-218-933-81	s RES, CHIP 22
R1264	1-218-933-81	s RES, CHIP 22
R1265	1-218-933-81	s RES, CHIP 22
R1266	1-218-933-81	s RES, CHIP 22
R1267	1-218-937-81	s RES, CHIP 47

## (C BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R1268	1-218-933-81	s RES, CHIP 22
R1270	1-218-933-81	s RES, CHIP 22
R1271	1-218-933-81	s RES, CHIP 22
R1272	1-218-933-81	s RES, CHIP 22
R1273	1-218-933-81	s RES, CHIP 22
R1274	1-218-933-81	s RES, CHIP 22
R1275	1-218-933-81	s RES, CHIP 22
R1276	1-218-933-81	s RES, CHIP 22
R1277	1-218-933-81	s RES, CHIP 22
R1278	1-218-933-81	s RES, CHIP 22
R1279	1-218-937-81	s RES, CHIP 47
R1280	1-218-933-81	s RES, CHIP 22
R1282	1-218-933-81	s RES, CHIP 22
R1283	1-218-933-81	s RES, CHIP 22
R1284	1-218-933-81	s RES, CHIP 22
R1285	1-218-933-81	s RES, CHIP 22
R1286	1-218-933-81	s RES, CHIP 22
R1287	1-218-933-81	s RES, CHIP 22
R1288	1-218-933-81	s RES, CHIP 22
R1289	1-218-933-81	s RES, CHIP 22
R1290	1-218-933-81	s RES, CHIP 22
R1291	1-218-933-81	s RES, CHIP 22
R1292	1-218-933-81	s RES, CHIP 22
R1294	1-218-933-81	s RES, CHIP 22
R1295	1-218-933-81	s RES, CHIP 22
R1296	1-218-933-81	s RES, CHIP 22
R1297	1-218-933-81	s RES, CHIP 22
R1298	1-218-933-81	s RES, CHIP 22
R1299	1-218-933-81	s RES, CHIP 22
R1305	1-218-933-81	s RES, CHIP 22
R1306	1-218-933-81	s RES, CHIP 22
R1307	1-218-933-81	s RES, CHIP 22
R1310	1-208-887-81	s RES, CHIP 1.0K (1005)
R1311	1-208-887-81	s RES, CHIP 1.0K (1005)
R1316	1-208-869-81	s RES, CHIP 180 (1005)
R1317	1-208-869-81	s RES, CHIP 180 (1005)
R1318	1-218-943-81	s RES, CHIP 150
R1319	1-208-887-81	s RES, CHIP 1.0K (1005)
R1320	1-208-887-81	s RES, CHIP 1.0K (1005)
R1321	1-208-887-81	s RES, CHIP 1.0K (1005)
R1322	1-208-887-81	s RES, CHIP 1.0K (1005)
R1323	1-218-941-81	s RES, CHIP 100
R1324	1-218-941-81	s RES, CHIP 100
R1601	1-218-949-81	s RES, CHIP 470
R1602	1-218-949-81	s RES, CHIP 470
R1604	1-218-961-81	s RES, CHIP 4.7K
R1606	1-218-961-81	s RES, CHIP 4.7K
R1608	1-218-961-81	s RES, CHIP 4.7K
R1610	1-218-929-81	s RES, CHIP 10
R1615	1-218-953-81	s RES, CHIP 1.0K
R1641	1-218-929-81	s RES, CHIP 10
R1643	1-218-957-81	s RES, CHIP 2.2K
R1645	1-218-957-81	s RES, CHIP 2.2K
R1647	1-220-230-91	s RES, SQUARE TYPE CHIP 2.2 (3225)
R1648	1-220-230-91	s RES, SQUARE TYPE CHIP 2.2 (3225)
R1649	1-220-230-91	s RES, SQUARE TYPE CHIP 2.2 (3225)
R1650	1-220-230-91	s RES, SQUARE TYPE CHIP 2.2 (3225)
R1651	1-218-965-81	s RES, CHIP 10K 1005
R1652	1-208-897-81	s RES, CHIP 2.7K (1005)



## (C BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R2016	1-218-990-81	s CONDUCTOR, CHIP (1005)
R2023	1-208-913-81	s RES, CHIP 12K (1005)
R2024	1-208-879-81	s RES, CHIP 470 (1005)
R2025	1-208-919-81	s RES, CHIP 22K (1005)
R2027	1-216-864-91	s CONDUCTOR, CHIP (1608)
R2032	1-216-864-91	s CONDUCTOR, CHIP (1608)
R2035	1-218-990-81	s CONDUCTOR, CHIP (1005)
R2037	1-218-990-81	s CONDUCTOR, CHIP (1005)
R2108	1-218-965-81	s RES, CHIP 10K 1005
R2109	1-218-965-81	s RES, CHIP 10K 1005
R2110	1-218-965-81	s RES, CHIP 10K 1005
R2111	1-218-965-81	s RES, CHIP 10K 1005
R2112	1-218-990-81	s CONDUCTOR, CHIP (1005)
R2113	1-218-965-81	s RES, CHIP 10K 1005
R2114	1-218-965-81	s RES, CHIP 10K 1005
R2115	1-218-965-81	s RES, CHIP 10K 1005
R2116	1-218-965-81	s RES, CHIP 10K 1005
R2117	1-218-965-81	s RES, CHIP 10K 1005
R2118	1-218-965-81	s RES, CHIP 10K 1005
R2119	1-218-965-81	s RES, CHIP 10K 1005
R2120	1-218-965-81	s RES, CHIP 10K 1005
R2122	1-218-965-81	s RES, CHIP 10K 1005
R2123	1-218-965-81	s RES, CHIP 10K 1005
R2124	1-218-965-81	s RES, CHIP 10K 1005
R2134	1-218-965-81	s RES, CHIP 10K 1005
R2135	1-218-965-81	s RES, CHIP 10K 1005
R2137	1-218-965-81	s RES, CHIP 10K 1005
R2138	1-218-965-81	s RES, CHIP 10K 1005
R2139	1-218-965-81	s RES, CHIP 10K 1005
R2140	1-218-965-81	s RES, CHIP 10K 1005
R2141	1-218-965-81	s RES, CHIP 10K 1005
R2142	1-218-965-81	s RES, CHIP 10K 1005
R2143	1-218-941-81	s RES, CHIP 100
R2144	1-218-937-81	s RES, CHIP 47
R2145	1-218-937-81	s RES, CHIP 47
R2146	1-218-941-81	s RES, CHIP 100
R2147	1-218-941-81	s RES, CHIP 100
R2148	1-218-965-81	s RES, CHIP 10K 1005
R2201	1-218-990-81	s CONDUCTOR, CHIP (1005)
R2202	1-218-929-81	s RES, CHIP 10
R2203	1-218-929-81	s RES, CHIP 10
R2204	1-218-990-81	s CONDUCTOR, CHIP (1005)
R2205	1-220-169-81	s RES, CHIP 75
R2206	1-220-169-81	s RES, CHIP 75
R2207	1-208-869-81	s RES, CHIP 180 (1005)
R2208	1-208-869-81	s RES, CHIP 180 (1005)
R2209	1-218-965-81	s RES, CHIP 10K 1005
R2210	1-218-965-81	s RES, CHIP 10K 1005
R2211	1-218-937-81	s RES, CHIP 47
R2212	1-218-937-81	s RES, CHIP 47
R2213	1-218-937-81	s RES, CHIP 47
R2214	1-218-937-81	s RES, CHIP 47
R2215	1-218-937-81	s RES, CHIP 47
R2216	1-218-937-81	s RES, CHIP 47
R2217	1-218-937-81	s RES, CHIP 47
R2218	1-218-937-81	s RES, CHIP 47
R2219	1-218-937-81	s RES, CHIP 47
R2220	1-218-937-81	s RES, CHIP 47
R2221	1-218-937-81	s RES, CHIP 47

## (C BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R2222	1-218-937-81	s RES, CHIP 47
R2223	1-218-937-81	s RES, CHIP 47
R2224	1-218-937-81	s RES, CHIP 47
R2225	1-218-937-81	s RES, CHIP 47
R2226	1-218-937-81	s RES, CHIP 47
R2227	1-218-937-81	s RES, CHIP 47
R2228	1-218-937-81	s RES, CHIP 47
R2229	1-218-937-81	s RES, CHIP 47
R2230	1-218-937-81	s RES, CHIP 47
R2231	1-218-937-81	s RES, CHIP 47
R2232	1-218-937-81	s RES, CHIP 47
R2233	1-208-911-81	s RES, CHIP 10K (1005)
R2234	1-208-911-81	s RES, CHIP 10K (1005)
R2235	1-218-977-81	s RES, CHIP 100K
R2236	1-216-864-91	s CONDUCTOR, CHIP (1608)
R2237	1-216-864-91	s CONDUCTOR, CHIP (1608)
R2238	1-218-937-81	s RES, CHIP 47
R3203	1-218-945-81	s RES, CHIP 220
R3206	1-218-945-81	s RES, CHIP 220
R3209	1-218-945-81	s RES, CHIP 220
R3210	1-218-977-81	s RES, CHIP 100K
R3301	1-218-961-81	s RES, CHIP 4.7K
R3302	1-218-965-81	s RES, CHIP 10K 1005
R3303	1-218-969-81	s RES, CHIP 22K
R3304	1-218-965-81	s RES, CHIP 10K 1005
R3305	1-218-969-81	s RES, CHIP 22K
R3306	1-218-965-81	s RES, CHIP 10K 1005
R3308	1-218-965-81	s RES, CHIP 10K 1005
R3312	1-218-965-81	s RES, CHIP 10K 1005
R3314	1-218-965-81	s RES, CHIP 10K 1005
R3316	1-218-977-81	s RES, CHIP 100K
R3317	1-218-977-81	s RES, CHIP 100K
R3318	1-218-965-81	s RES, CHIP 10K 1005
R3319	1-218-941-81	s RES, CHIP 100
R3320	1-218-990-81	s CONDUCTOR, CHIP (1005)
R3321	1-218-965-81	s RES, CHIP 10K 1005
R3325	1-218-990-81	s CONDUCTOR, CHIP (1005)
R3401	1-218-941-81	s RES, CHIP 100
R3402	1-218-941-81	s RES, CHIP 100
R3403	1-218-941-81	s RES, CHIP 100
R3404	1-218-941-81	s RES, CHIP 100
R3405	1-218-941-81	s RES, CHIP 100
R3406	1-218-941-81	s RES, CHIP 100
R3407	1-218-941-81	s RES, CHIP 100
R3408	1-218-941-81	s RES, CHIP 100
R3409	1-218-941-81	s RES, CHIP 100
R3410	1-218-941-81	s RES, CHIP 100
R3411	1-218-941-81	s RES, CHIP 100
R3412	1-218-941-81	s RES, CHIP 100
R3413	1-218-941-81	s RES, CHIP 100
R3414	1-218-941-81	s RES, CHIP 100
R3415	1-218-941-81	s RES, CHIP 100
R3416	1-218-941-81	s RES, CHIP 100
R3417	1-218-941-81	s RES, CHIP 100
R3418	1-218-941-81	s RES, CHIP 100
R3419	1-218-941-81	s RES, CHIP 100
R3420	1-218-941-81	s RES, CHIP 100
R3421	1-218-941-81	s RES, CHIP 100
R3422	1-218-941-81	s RES, CHIP 100

(C BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R4201	1-218-933-81	s RES, CHIP 22
R4202	1-218-933-81	s RES, CHIP 22
R4205	1-218-957-81	s RES, CHIP 2.2K
R4206	1-218-957-81	s RES, CHIP 2.2K
R4207	1-218-965-81	s RES, CHIP 10K 1005
R4208	1-218-965-81	s RES, CHIP 10K 1005
R4212	1-218-990-81	s CONDUCTOR, CHIP (1005)
R4213	1-218-965-81	s RES, CHIP 10K 1005
RB201	1-234-370-21	s RES, NETWORK 22 (1005X4)
RB303	1-234-372-21	s RES, NETWORK 100 (1005X4)
RB304	1-234-372-21	s RES, NETWORK 100 (1005X4)
RB305	1-234-372-21	s RES, NETWORK 100 (1005X4)
RB306	1-234-372-21	s RES, NETWORK 100 (1005X4)
RB307	1-234-372-21	s RES, NETWORK 100 (1005X4)
RB308	1-234-372-21	s RES, NETWORK 100 (1005X4)
RB309	1-234-372-21	s RES, NETWORK 100 (1005X4)
RB310	1-234-370-21	s RES, NETWORK 22 (1005X4)
RB311	1-234-375-21	s RES, NETWORK 1K (1005X4)
RB312	1-234-375-21	s RES, NETWORK 1K (1005X4)
RB313	1-234-370-21	s RES, NETWORK 22 (1005X4)
RB601	1-234-372-21	s RES, NETWORK 100 (1005X4)
RB801	1-234-378-21	s RES, NETWORK 10K (1005X4)
RB802	1-234-370-21	s RES, NETWORK 22 (1005X4)
RB803	1-234-370-21	s RES, NETWORK 22 (1005X4)
RB804	1-234-370-21	s RES, NETWORK 22 (1005X4)
RB805	1-234-370-21	s RES, NETWORK 22 (1005X4)
RB806	1-234-370-21	s RES, NETWORK 22 (1005X4)
RB807	1-234-370-21	s RES, NETWORK 22 (1005X4)
RB808	1-234-370-21	s RES, NETWORK 22 (1005X4)
RB809	1-234-370-21	s RES, NETWORK 22 (1005X4)
RB810	1-234-370-21	s RES, NETWORK 22 (1005X4)
RB811	1-234-370-21	s RES, NETWORK 22 (1005X4)
RB1301	1-234-370-21	s RES, NETWORK 22 (1005X4)
RB1302	1-234-370-21	s RES, NETWORK 22 (1005X4)
RB1303	1-234-370-21	s RES, NETWORK 22 (1005X4)
RB1304	1-234-370-21	s RES, NETWORK 22 (1005X4)
RB1305	1-234-370-21	s RES, NETWORK 22 (1005X4)
RB1306	1-234-370-21	s RES, NETWORK 22 (1005X4)
RB1307	1-234-372-21	s RES, NETWORK 100 (1005X4)
RB1308	1-234-372-21	s RES, NETWORK 100 (1005X4)
RB1309	1-234-372-21	s RES, NETWORK 100 (1005X4)
RB1310	1-234-372-21	s RES, NETWORK 100 (1005X4)
RB1311	1-234-372-21	s RES, NETWORK 100 (1005X4)
RB1312	1-234-372-21	s RES, NETWORK 100 (1005X4)
RB1313	1-234-372-21	s RES, NETWORK 100 (1005X4)
RB1314	1-234-372-21	s RES, NETWORK 100 (1005X4)
RB1315	1-234-372-21	s RES, NETWORK 100 (1005X4)
RB1316	1-234-372-21	s RES, NETWORK 100 (1005X4)
RB2201	1-234-400-21	s CONDUCTOR, NETWORK (1005X4)
RB2202	1-234-400-21	s CONDUCTOR, NETWORK (1005X4)
RB2203	1-234-400-21	s CONDUCTOR, NETWORK (1005X4)
RB2204	1-234-400-21	s CONDUCTOR, NETWORK (1005X4)
RB2205	1-234-400-21	s CONDUCTOR, NETWORK (1005X4)
RB2206	1-234-400-21	s CONDUCTOR, NETWORK (1005X4)
SE200	1-489-147-11	s SENSOR, INFRARED
SE201	1-489-147-11	s SENSOR, INFRARED
TH302	Δ 1-805-726-11	s THERMISTOR, POSITIVE

(C BOARD)

Ref. No. or Q'ty	Part No.	SP Description
TH303	Δ 1-805-726-11	s THERMISTOR, POSITIVE
TP101	1-535-757-21	s CHIP, CHECKER
TP102	1-535-757-21	s CHIP, CHECKER
TP103	1-535-757-21	s CHIP, CHECKER
TP104	1-535-757-21	s CHIP, CHECKER
TP105	1-535-757-21	s CHIP, CHECKER
TP106	1-535-757-21	s CHIP, CHECKER
TP107	1-535-757-21	s CHIP, CHECKER
TP108	1-535-757-21	s CHIP, CHECKER
TP109	1-535-757-21	s CHIP, CHECKER
TP110	1-535-757-21	s CHIP, CHECKER
TP111	1-535-757-21	s CHIP, CHECKER
TP112	1-535-757-21	s CHIP, CHECKER
TP1201	1-535-757-21	s CHIP, CHECKER
VDR201	1-802-090-21	s VARISTOR, CHIP
VDR301	1-802-090-21	s VARISTOR, CHIP
VDR302	1-802-090-21	s VARISTOR, CHIP
VDR303	1-802-090-21	s VARISTOR, CHIP
VDR304	1-802-090-21	s VARISTOR, CHIP
VDR903	1-802-090-21	s VARISTOR, CHIP
VDR904	1-802-090-21	s VARISTOR, CHIP
X601	1-814-502-11	s QUARTZ CRYSTAL UNIT (28.322 MHz)
X701	1-814-023-11	s QUARTS CRYSTAL UNIT (27 MHz)
X901	1-814-384-11	s QUARTZ CRYSTAL UNIT (24 MHz)
X1202	1-814-661-11	s SILICON OSCILLATOR (25.4MHZ)
X2201	1-814-660-11	s SILICON OSCILLATOR (65MHZ)



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GB BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1946-749-A	s MOUNTED CIRCUIT BOARD, GB
C2501	1-116-079-11	s CAP, CERAMIC 10MF X6S 2012
C2504	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C2509	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C2510	1-100-909-11	s CAP, CERAMIC 10MF X6S 2012
C2601	1-114-334-11	s CAP, CERAMIC 10MF X7R 3225
C2602	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C2603	1-114-323-11	s CAP, CERAMIC 0.01MF X7R 1608
C2604	1-164-874-81	s CAP,CHIP CERAMIC 100PF CH 1005
C2605	1-112-776-11	s CAP, CERAMIC 4700PF X7R 1005
C2606	1-116-709-11	s CAP, CERAMIC 22MF X5R 3225
C2607	1-114-868-11	s CAP, CERAMIC 0.1MF X7R 1608
C2608	1-114-868-11	s CAP, CERAMIC 0.1MF X7R 1608
C2609	1-114-334-11	s CAP, CERAMIC 10MF X7R 3225
C2610	1-114-334-11	s CAP, CERAMIC 10MF X7R 3225
C2611	1-116-709-11	s CAP, CERAMIC 22MF X5R 3225
C2613	1-114-334-11	s CAP, CERAMIC 10MF X7R 3225
C2614	1-114-329-11	s CAP, CERAMIC 0.47MF X7R 2012
C2615	1-114-323-11	s CAP, CERAMIC 0.01MF X7R 1608
C2616	1-164-874-81	s CAP,CHIP CERAMIC 100PF CH 1005
C2617	1-114-868-11	s CAP, CERAMIC 0.1MF X7R 1608
C2618	1-112-776-11	s CAP, CERAMIC 4700PF X7R 1005
C2619	1-114-334-11	s CAP, CERAMIC 10MF X7R 3225
C2620	1-116-709-11	s CAP, CERAMIC 22MF X5R 3225
C2621	1-114-868-11	s CAP, CERAMIC 0.1MF X7R 1608
C2622	1-114-334-11	s CAP, CERAMIC 10MF X7R 3225
C2623	1-116-709-11	s CAP, CERAMIC 22MF X5R 3225
C2625	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C2626	1-112-777-11	s CAP, CERAMIC 0.01MF X7R 1005
C2627	1-100-912-11	s CAP, CERAMIC 1.0MF X7R (2012)
C2628	1-112-777-11	s CAP, CERAMIC 0.01MF X7R 1005
C2629	1-112-777-11	s CAP, CERAMIC 0.01MF X7R 1005
C2630	1-100-912-11	s CAP, CERAMIC 1.0MF X7R (2012)
C2631	1-100-912-11	s CAP, CERAMIC 1.0MF X7R (2012)
C2632	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C2633	1-100-912-11	s CAP, CERAMIC 1.0MF X7R (2012)
C2634	1-112-777-11	s CAP, CERAMIC 0.01MF X7R 1005
C2635	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C2636	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C2637	1-100-912-11	s CAP, CERAMIC 1.0MF X7R (2012)
C2638	1-100-912-11	s CAP, CERAMIC 1.0MF X7R (2012)
C2639	1-112-777-11	s CAP, CERAMIC 0.01MF X7R 1005
C2640	1-112-777-11	s CAP, CERAMIC 0.01MF X7R 1005
C2641	1-114-868-11	s CAP, CERAMIC 0.1MF X7R 1608
C2642	1-114-868-11	s CAP, CERAMIC 0.1MF X7R 1608
C2643	1-114-868-11	s CAP, CERAMIC 0.1MF X7R 1608
C2644	1-114-868-11	s CAP, CERAMIC 0.1MF X7R 1608
C2645	1-114-868-11	s CAP, CERAMIC 0.1MF X7R 1608
C2646	1-114-868-11	s CAP, CERAMIC 0.1MF X7R 1608
C2647	1-116-709-11	s CAP, CERAMIC 22MF X5R 3225
C2648	1-116-709-11	s CAP, CERAMIC 22MF X5R 3225
C2653	1-114-334-11	s CAP, CERAMIC 10MF X7R 3225
C2654	1-114-334-11	s CAP, CERAMIC 10MF X7R 3225
C2655	1-114-334-11	s CAP, CERAMIC 10MF X7R 3225
C2656	1-114-334-11	s CAP, CERAMIC 10MF X7R 3225
C2657	1-114-334-11	s CAP, CERAMIC 10MF X7R 3225
C2658	1-114-334-11	s CAP, CERAMIC 10MF X7R 3225
C2660	1-114-334-11	s CAP, CERAMIC 10MF X7R 3225

## (GB BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C2661	1-114-334-11	s CAP, CERAMIC 10MF X7R 3225
C2662	1-114-868-11	s CAP, CERAMIC 0.1MF X7R 1608
C2663	1-114-334-11	s CAP, CERAMIC 10MF X7R 3225
C2664	1-114-868-11	s CAP, CERAMIC 0.1MF X7R 1608
C2665	1-114-334-11	s CAP, CERAMIC 10MF X7R 3225
C2666	1-112-777-11	s CAP, CERAMIC 0.01MF X7R 1005
C2667	1-100-912-11	s CAP, CERAMIC 1.0MF X7R (2012)
C2668	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
CN2501	1-820-291-11	o HEADER ASSEMBLY (PRINT PWB) 12P
CN2601	1-819-446-11	s HEADER ASSEMBLY FOR PWB 8P
CN2602	1-820-530-11	s HEADER ASSEMBLY FOR PWB 3P
CN2603	1-822-598-11	s HEADER ASSEMBLY FOR PWB 13P
CN2604	1-820-530-11	s HEADER ASSEMBLY FOR PWB 3P
CN2605	1-822-422-11	s HEADER ASSEMBLY FOR PWB 2P
D2503	6-502-961-01	s DI DA2J10100L
D2504	6-502-961-01	s DI DA2J10100L
D2601	6-502-961-01	s DI DA2J10100L
D2602	6-502-961-01	s DI DA2J10100L
D2603	6-502-961-01	s DI DA2J10100L
D2604	6-502-961-01	s DI DA2J10100L
D2605	6-500-335-01	s DIODE MC2838-T112-1
D2606	6-500-335-01	s DIODE MC2838-T112-1
D2607	6-500-335-01	s DIODE MC2838-T112-1
D2608	6-502-961-01	s DI DA2J10100L
D2609	8-719-056-48	s DI 1SS388
D2610	8-719-056-48	s DI 1SS388
D2611	6-502-961-01	s DI DA2J10100L
D2612	6-502-961-01	s DI DA2J10100L
D2613	6-502-961-01	s DI DA2J10100L
D2614	8-719-056-48	s DI 1SS388
D2616	6-502-961-01	s DI DA2J10100L
D2617	6-502-961-01	s DI DA2J10100L
D2618	8-719-056-48	s DI 1SS388
D2620	8-719-056-48	s DI 1SS388
D2621	8-719-056-48	s DI 1SS388
D2622	6-502-961-01	s DI DA2J10100L
D2624	8-719-056-48	s DI 1SS388
D2625	6-502-961-01	s DI DA2J10100L
D2626	6-502-961-01	s DI DA2J10100L
FB2501	1-400-331-21	s FERRITE, EMI (SMD) (1005)
FB2502	1-400-331-21	s FERRITE, EMI (SMD) (1005)
FB2503	1-400-331-21	s FERRITE, EMI (SMD) (1005)
FB2504	1-400-331-21	s FERRITE, EMI (SMD) (1005)
FB2505	1-400-331-21	s FERRITE, EMI (SMD) (1005)
FB2506	1-400-331-21	s FERRITE, EMI (SMD) (1005)
FB2507	1-400-331-21	s FERRITE, EMI (SMD) (1005)
FB2508	1-400-331-21	s FERRITE, EMI (SMD) (1005)
FB2509	1-469-379-21	s FERRITE, EMI (SMD) (2012)
FB2601	1-469-379-21	s FERRITE, EMI (SMD) (2012)
FB2602	1-469-379-21	s FERRITE, EMI (SMD) (2012)
FB2603	1-469-379-21	s FERRITE, EMI (SMD) (2012)
FB2604	1-469-379-21	s FERRITE, EMI (SMD) (2012)
FB2605	1-469-379-21	s FERRITE, EMI (SMD) (2012)
FB2606	1-469-379-21	s FERRITE, EMI (SMD) (2012)
FB2607	1-469-379-21	s FERRITE, EMI (SMD) (2012)
FB2608	1-469-379-21	s FERRITE, EMI (SMD) (2012)
FB2609	1-400-331-21	s FERRITE, EMI (SMD) (1005)
FB2610	1-400-331-21	s FERRITE, EMI (SMD) (1005)

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Ref. No. or Q'ty	Part No.	SP	Description
FB2611	1-469-379-21	s	FERRITE, EMI (SMD) (2012)
FB2612	1-469-379-21	s	FERRITE, EMI (SMD) (2012)
FB2613	1-469-379-21	s	FERRITE, EMI (SMD) (2012)
FB2614	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB2615	1-469-379-21	s	FERRITE, EMI (SMD) (2012)
FB2616	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB2617	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB2618	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB2619	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB2620	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB2624	1-469-379-21	s	FERRITE, EMI (SMD) (2012)
FB2625	1-469-379-21	s	FERRITE, EMI (SMD) (2012)
FB2626	1-469-379-21	s	FERRITE, EMI (SMD) (2012)
FB2627	1-469-379-21	s	FERRITE, EMI (SMD) (2012)
FB2628	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
FB2629	1-469-379-21	s	FERRITE, EMI (SMD) (2012)
IC2501	8-759-338-95	s	IC NJM2903V (TE2)
IC2504	6-707-858-01	s	IC TC74VHC00FT (EKJ)
IC2601	6-714-383-01	s	IC MP2303ADN-C249-LF-Z
IC2604	6-714-383-01	s	IC MP2303ADN-C249-LF-Z
IC2607	8-759-337-40	s	IC NJM2904V (TE2)
IC2608	8-759-337-40	s	IC NJM2904V (TE2)
IC2609	8-759-337-40	s	IC NJM2904V (TE2)
IC2610	6-711-413-01	s	IC TC74VHC123AFK (EL, K)
IC2611	6-711-413-01	s	IC TC74VHC123AFK (EL, K)
IC2612	6-711-413-01	s	IC TC74VHC123AFK (EL, K)
IC2614	6-709-322-01	s	IC TC7WH123FK
L2601	1-457-455-11	s	CHOKO COIL 10UH
L2602	1-457-455-11	s	CHOKO COIL 10UH
Q2501	6-552-949-01	s	TR LTC044EUBFS8TL
Q2502	6-552-949-01	s	TR LTC044EUBFS8TL
Q2503	6-552-949-01	s	TR LTC044EUBFS8TL
Q2504	6-552-892-01	s	TR LSCR523UBFS8TL
Q2505	6-552-892-01	s	TR LSCR523UBFS8TL
Q2601	6-552-949-01	s	TR LTC044EUBFS8TL
Q2602	6-552-949-01	s	TR LTC044EUBFS8TL
Q2603	6-552-949-01	s	TR LTC044EUBFS8TL
Q2604	6-552-892-01	s	TR LSCR523UBFS8TL
Q2605	6-552-949-01	s	TR LTC044EUBFS8TL
Q2606	6-552-949-01	s	TR LTC044EUBFS8TL
Q2607	6-552-949-01	s	TR LTC044EUBFS8TL
Q2608	6-552-949-01	s	TR LTC044EUBFS8TL
Q2609	6-552-949-01	s	TR LTC044EUBFS8TL
Q2613	6-552-949-01	s	TR LTC044EUBFS8TL
Q2614	6-552-949-01	s	TR LTC044EUBFS8TL
R2501	1-218-941-81	s	RES, CHIP 100
R2503	1-218-965-81	s	RES, CHIP 10K 1005
R2504	1-218-965-81	s	RES, CHIP 10K 1005
R2507	1-218-969-81	s	RES, CHIP 22K
R2508	1-218-969-81	s	RES, CHIP 22K
R2509	1-218-973-81	s	RES, CHIP 47K
R2510	1-218-973-81	s	RES, CHIP 47K
R2513	1-218-965-81	s	RES, CHIP 10K 1005
R2522	1-218-969-81	s	RES, CHIP 22K
R2523	1-218-969-81	s	RES, CHIP 22K
R2524	1-218-961-81	s	RES, CHIP 4.7K

## (GB BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R2525	1-218-973-81	s	RES, CHIP 47K
R2526	1-218-973-81	s	RES, CHIP 47K
R2527	1-218-965-81	s	RES, CHIP 10K 1005
R2528	1-218-969-81	s	RES, CHIP 22K
R2529	1-218-961-81	s	RES, CHIP 4.7K
R2530	1-218-973-81	s	RES, CHIP 47K
R2531	1-218-973-81	s	RES, CHIP 47K
R2532	1-218-965-81	s	RES, CHIP 10K 1005
R2533	1-218-965-81	s	RES, CHIP 10K 1005
R2534	1-218-977-81	s	RES, CHIP 100K
R2535	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2536	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2603	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2604	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2605	1-218-941-81	s	RES, CHIP 100
R2606	1-208-919-81	s	RES, CHIP 22K (1005)
R2607	1-218-941-81	s	RES, CHIP 100
R2608	1-218-941-81	s	RES, CHIP 100
R2609	1-208-911-81	s	RES, CHIP 10K (1005)
R2610	1-208-911-81	s	RES, CHIP 10K (1005)
R2611	1-208-931-81	s	RES, CHIP 68K (1005)
R2612	1-208-939-81	s	RES, CHIP 150K (1005)
R2613	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2614	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2615	1-208-911-81	s	RES, CHIP 10K (1005)
R2616	1-208-911-81	s	RES, CHIP 10K (1005)
R2617	1-208-931-81	s	RES, CHIP 68K (1005)
R2618	1-208-893-81	s	RES, CHIP 1.8K (1005)
R2619	1-208-893-81	s	RES, CHIP 1.8K (1005)
R2620	1-218-941-81	s	RES, CHIP 100
R2621	1-218-941-81	s	RES, CHIP 100
R2622	1-208-919-81	s	RES, CHIP 22K (1005)
R2623	1-218-941-81	s	RES, CHIP 100
R2624	1-208-911-81	s	RES, CHIP 10K (1005)
R2625	1-208-911-81	s	RES, CHIP 10K (1005)
R2626	1-208-931-81	s	RES, CHIP 68K (1005)
R2627	1-208-893-81	s	RES, CHIP 1.8K (1005)
R2628	1-208-911-81	s	RES, CHIP 10K (1005)
R2629	1-208-911-81	s	RES, CHIP 10K (1005)
R2630	1-208-931-81	s	RES, CHIP 68K (1005)
R2631	1-208-939-81	s	RES, CHIP 150K (1005)
R2632	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2633	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2635	1-208-893-81	s	RES, CHIP 1.8K (1005)
R2636	1-208-895-81	s	RES, CHIP 2.2K (1005)
R2638	1-208-895-81	s	RES, CHIP 2.2K (1005)
R2639	1-218-983-81	s	RES, CHIP 330K
R2640	1-218-983-81	s	RES, CHIP 330K
R2642	1-208-895-81	s	RES, CHIP 2.2K (1005)
R2643	1-208-909-81	s	RES, CHIP 8.2K (1005)
R2644	1-208-913-81	s	RES, CHIP 12K (1005)
R2645	1-218-965-81	s	RES, CHIP 10K 1005
R2646	1-218-983-81	s	RES, CHIP 330K
R2647	1-218-983-81	s	RES, CHIP 330K
R2648	1-218-983-81	s	RES, CHIP 330K
R2649	1-208-895-81	s	RES, CHIP 2.2K (1005)
R2653	1-218-969-81	s	RES, CHIP 22K
R2654	1-218-969-81	s	RES, CHIP 22K
R2655	1-218-965-81	s	RES, CHIP 10K 1005

## (GB BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R2656	1-218-969-81	s RES, CHIP 22K
R2658	1-218-953-81	s RES, CHIP 1.0K
R2659	1-208-935-81	s RES, CHIP 100K (1005)
R2660	1-218-965-81	s RES, CHIP 10K 1005
R2661	1-208-935-81	s RES, CHIP 100K (1005)
R2662	1-208-935-81	s RES, CHIP 100K (1005)
R2663	1-218-965-81	s RES, CHIP 10K 1005
R2664	1-218-965-81	s RES, CHIP 10K 1005
R2665	1-218-965-81	s RES, CHIP 10K 1005
R2666	1-208-935-81	s RES, CHIP 100K (1005)
R2667	1-216-864-91	s CONDUCTOR, CHIP (1608)
R2668	1-208-935-81	s RES, CHIP 100K (1005)
R2669	1-218-965-81	s RES, CHIP 10K 1005
R2670	1-218-965-81	s RES, CHIP 10K 1005
R2671	1-208-935-81	s RES, CHIP 100K (1005)
R2672	1-218-990-81	s CONDUCTOR, CHIP (1005)
R2673	1-218-969-81	s RES, CHIP 22K
R2678	1-218-983-81	s RES, CHIP 330K
R2686	1-218-965-81	s RES, CHIP 10K 1005
R2687	1-218-990-81	s CONDUCTOR, CHIP (1005)
R2689	1-218-965-81	s RES, CHIP 10K 1005
R2690	1-218-965-81	s RES, CHIP 10K 1005
R2691	1-218-941-81	s RES, CHIP 100
R2692	1-208-911-81	s RES, CHIP 10K (1005)
R2693	1-208-911-81	s RES, CHIP 10K (1005)
R2694	1-208-931-81	s RES, CHIP 68K (1005)
R2695	1-208-893-81	s RES, CHIP 1.8K (1005)
R2696	1-208-895-81	s RES, CHIP 2.2K (1005)
R2697	1-218-969-81	s RES, CHIP 22K
R2698	1-216-864-91	s CONDUCTOR, CHIP (1608)
R2699	1-218-965-81	s RES, CHIP 10K 1005
R5601	1-208-935-81	s RES, CHIP 100K (1005)

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GC BOARD  
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Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1946-750-A	s MOUNTED CIRCUIT BOARD, GC
C2801	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C2802	1-114-334-11	s CAP, CERAMIC 10MF X7R 3225
C2803	1-114-334-11	s CAP, CERAMIC 10MF X7R 3225
C2804	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C2805	1-114-323-11	s CAP, CERAMIC 0.01MF X7R 1608
C2806	1-164-874-81	s CAP,CHIP CERAMIC 100PF CH 1005
C2807	1-112-776-11	s CAP, CERAMIC 4700PF X7R 1005
C2808	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C2809	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C2810	1-116-709-11	s CAP, CERAMIC 22MF X5R 3225
C2812	1-100-912-11	s CAP, CERAMIC 1.0MF X7R (2012)
C2815	1-114-325-11	s CAP, CERAMIC 0.1MF X7R 1608
C2818	1-112-778-11	s CAP, CERAMIC 0.022MF X7R 1005
C2819	1-164-934-81	s CAP, CHIP CERAMIC 330PF B 1005
C2820	1-114-869-11	s CAP, CERAMIC 2.2MF X6S 1608
C2821	1-112-777-11	s CAP, CERAMIC 0.01MF X7R 1005
C2824	1-164-939-81	s CAP, CHIP CERAMIC 2200PF B 1005
C2825	1-100-912-11	s CAP, CERAMIC 1.0MF X7R (2012)
C2826	1-114-325-11	s CAP, CERAMIC 0.1MF X7R 1608
C2827	1-114-334-11	s CAP, CERAMIC 10MF X7R 3225
C2828	1-114-334-11	s CAP, CERAMIC 10MF X7R 3225
C2829	1-114-334-11	s CAP, CERAMIC 10MF X7R 3225
C2830	1-116-709-11	s CAP, CERAMIC 22MF X5R 3225
C2831	1-116-709-11	s CAP, CERAMIC 22MF X5R 3225
C2832	1-114-325-11	s CAP, CERAMIC 0.1MF X7R 1608
C2834	1-112-776-11	s CAP, CERAMIC 4700PF X7R 1005
CN2801	1-820-286-11	o HEADER ASSEMBLY (PRINT PWB) 7P
CN2802	1-822-422-11	s HEADER ASSEMBLY FOR PWB 2P
CN2803	1-774-792-51	s CONNECTOR, FPC 4P
D2802	8-719-056-48	s DI 1SS388
D2803	8-719-056-48	s DI 1SS388
D2806	8-719-066-33	s DIODE RB081L-20TE25
D2807	8-719-066-33	s DIODE RB081L-20TE25
FB2801	1-400-331-21	s FERRITE, EMI (SMD) (1005)
FB2802	1-400-331-21	s FERRITE, EMI (SMD) (1005)
FB2803	1-400-331-21	s FERRITE, EMI (SMD) (1005)
FB2804	1-400-331-21	s FERRITE, EMI (SMD) (1005)
FB2805	1-400-331-21	s FERRITE, EMI (SMD) (1005)
FB2806	1-400-331-21	s FERRITE, EMI (SMD) (1005)
FB2807	1-469-379-21	s FERRITE, EMI (SMD) (2012)
FB2808	1-400-331-21	s FERRITE, EMI (SMD) (1005)
FB2809	1-469-379-21	s FERRITE, EMI (SMD) (2012)
IC2801	8-759-338-95	s IC NJM2903V(Te2)
IC2802	6-720-623-01	s IC DAC081C085C1MMX/NOPB
IC2803	6-714-383-01	s IC MP2303ADN-C249-LF-Z
IC2807	6-720-625-01	s IC BD63441FU-E2
IC2808	6-720-770-01	s IC LM2917MX-8/NOPB
L2801	1-457-455-11	s CHOKE COIL 10UH
Q2803	6-552-949-01	s TR LTC044EUBFS8TL
Q2804	6-553-163-01	s TR SH8M12TB1
Q2805	6-553-163-01	s TR SH8M12TB1
Q2806	6-553-163-01	s TR SH8M12TB1
R2801	1-218-961-81	s RES, CHIP 4.7K
R2803	1-218-961-81	s RES, CHIP 4.7K
R2806	1-218-965-81	s RES, CHIP 10K 1005

(GC BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R2807	1-218-965-81	s RES, CHIP 10K 1005
R2808	1-218-965-81	s RES, CHIP 10K 1005
R2811	1-218-965-81	s RES, CHIP 10K 1005
R2812	1-245-604-81	s RES, CHIP 10M (1005)
R2815	1-218-965-81	s RES, CHIP 10K 1005
R2816	1-250-527-11	o RES, METAL FILM CHIP 22K(1005)
R2817	1-245-604-81	s RES, CHIP 10M (1005)
R2818	1-218-965-81	s RES, CHIP 10K 1005
R2819	1-218-965-81	s RES, CHIP 10K 1005
R2820	1-218-957-81	s RES, CHIP 2.2K
R2821	1-250-545-11	o RES, METAL FILM CHIP 120K(1005)
R2822	1-250-511-11	o RES, METAL FILM CHIP 4.7K(1005)
R2823	1-250-511-11	o RES, METAL FILM CHIP 4.7K(1005)
R2824	1-250-509-11	o RES, METAL FILM CHIP 3.9K(1005)
R2825	1-218-965-81	s RES, CHIP 10K 1005
R2826	1-250-523-11	o RES, METAL FILM CHIP 15K(1005)
R2827	1-250-535-11	s RES, METAL FILM CHIP 47K(1005)
R2828	1-250-499-11	o RES, METAL FILM CHIP 1.5K(1005)
R2838	1-218-990-81	s CONDUCTOR, CHIP (1005)
R2842	1-218-965-81	s RES, CHIP 10K 1005
R2843	1-250-513-11	o RES, METAL FILM CHIP 5.6K(1005)
R2844	1-250-507-11	o RES, METAL FILM CHIP 3.3K(1005)
R2846	1-218-965-81	s RES, CHIP 10K 1005
R2847	1-218-990-81	s CONDUCTOR, CHIP (1005)
R2848	1-218-935-81	s RES, CHIP 33
R2849	1-218-990-81	s CONDUCTOR, CHIP (1005)
R2850	1-218-935-81	s RES, CHIP 33
R2851	1-218-990-81	s CONDUCTOR, CHIP (1005)
R2852	1-218-935-81	s RES, CHIP 33
R2853	1-218-957-81	s RES, CHIP 2.2K
R2854	1-218-959-81	s RES, CHIP 3.3K
R2855	1-218-957-81	s RES, CHIP 2.2K
R2856	1-218-959-81	s RES, CHIP 3.3K
R2857	1-218-957-81	s RES, CHIP 2.2K
R2858	1-218-959-81	s RES, CHIP 3.3K
R2859	1-218-941-81	s RES, CHIP 100
R2860	1-211-899-91	s RES, SQUARE TYPE CHIP 0.22 3225
R2861	1-211-899-91	s RES, SQUARE TYPE CHIP 0.22 3225
R2862	1-218-977-81	s RES, CHIP 100K
R2864	1-250-523-11	o RES, METAL FILM CHIP 15K(1005)
R2865	1-250-531-11	s RES, METAL FILM CHIP 33K(1005)
R2866	1-220-261-91	s RES, SQUARE TYPE CHIP 470(3225)
R2867	1-250-543-11	o RES, METAL FILM CHIP 100K(1005)

H BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1946-754-A	s MOUNTED CIRCUIT BOARD, H
CN11	1-820-297-11	o HEADER ASSEMBLY (PRINT PWB) 3P
R11	1-208-935-81	s RES, CHIP 100K (1005)
R12	1-208-917-81	s RES, CHIP 18K (1005)
R13	1-208-913-81	s RES, CHIP 12K (1005)
R14	1-208-907-81	s RES, CHIP 6.8K (1005)
R15	1-208-901-81	s RES, CHIP 3.9K (1005)
R16	1-208-897-81	s RES, CHIP 2.7K (1005)
R17	1-208-895-81	s RES, CHIP 2.2K (1005)
R18	1-208-891-81	s RES, CHIP 1.5K (1005)
R19	1-208-893-81	s RES, CHIP 1.8K (1005)
S11	1-572-921-21	s SWITCH, KEY BOARD
S12	1-786-651-11	s TACTILE SWITCH
S13	1-572-921-21	s SWITCH, KEY BOARD
S14	1-572-921-21	s SWITCH, KEY BOARD
S15	1-572-921-21	s SWITCH, KEY BOARD
VDR91	1-802-090-21	s VARISTOR, CHIP

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NF BOARD  
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Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1946-755-A	s	MOUNTED CIRCUIT BOARD, NF
C31	1-116-079-11	s	CAP, CERAMIC 10MF X6S 2012
C32	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
CN31	1-820-286-11	o	HEADER ASSEMBLY (PRINT PWB) 7P
D31	6-502-598-01	s	DI SML-D12U8WT86
D32	6-502-352-01	s	DI SML-522MU8WT86PQ
FB31	1-400-331-21	s	FERRITE, EMI (SMD) (1005)
IC31	6-600-820-01	s	IC TSOP85240AP5
Q31	6-552-892-01	s	TR LSCR523UBFS8TL
Q32	6-552-892-01	s	TR LSCR523UBFS8TL
Q33	6-552-892-01	s	TR LSCR523UBFS8TL
R31	1-218-945-81	s	RES, CHIP 220
R32	1-218-960-81	s	RES, CHIP 3.9K
R33	1-218-941-81	s	RES, CHIP 100
R34	1-218-960-81	s	RES, CHIP 3.9K
R35	1-218-945-81	s	RES, CHIP 220
R36	1-218-960-81	s	RES, CHIP 3.9K
R37	1-218-937-81	s	RES, CHIP 47
R38	1-218-941-81	s	RES, CHIP 100
VDR31	1-802-090-21	s	VARISTOR, CHIP
VDR32	1-802-090-21	s	VARISTOR, CHIP

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QA BOARD  
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Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1946-756-A	s	MOUNTED CIRCUIT BOARD, QA
C2001	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C2002	1-112-777-11	s	CAP, CERAMIC 0.01MF X7R 1005
C2004	1-112-777-11	s	CAP, CERAMIC 0.01MF X7R 1005
C2006	1-112-777-11	s	CAP, CERAMIC 0.01MF X7R 1005
C2007	1-100-055-11	s	CAP, CHIP CERAMIC 22MF B 3225
C2008	1-112-777-11	s	CAP, CERAMIC 0.01MF X7R 1005
C2009	1-100-055-11	s	CAP, CHIP CERAMIC 22MF B 3225
C2010	1-112-777-11	s	CAP, CERAMIC 0.01MF X7R 1005
C2011	1-100-055-11	s	CAP, CHIP CERAMIC 22MF B 3225
C2012	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C2013	1-112-777-11	s	CAP, CERAMIC 0.01MF X7R 1005
C2014	1-100-055-11	s	CAP, CHIP CERAMIC 22MF B 3225
C2015	1-112-777-11	s	CAP, CERAMIC 0.01MF X7R 1005
C2016	1-100-055-11	s	CAP, CHIP CERAMIC 22MF B 3225
C2017	1-112-777-11	s	CAP, CERAMIC 0.01MF X7R 1005
C2018	1-100-055-11	s	CAP, CHIP CERAMIC 22MF B 3225
C2019	1-116-079-11	s	CAP, CERAMIC 10MF X6S 2012
C2020	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C2021	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C2022	1-116-079-11	s	CAP, CERAMIC 10MF X6S 2012
C2023	1-116-079-11	s	CAP, CERAMIC 10MF X6S 2012
C2024	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C2025	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C2026	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C2027	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C2028	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C2029	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C2030	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C2031	1-116-079-11	s	CAP, CERAMIC 10MF X6S 2012
C2032	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C2033	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C2034	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C2035	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C2036	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C2037	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C2038	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C2101	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C2103	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C2104	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C2106	1-112-777-11	s	CAP, CERAMIC 0.01MF X7R 1005
C2107	1-112-777-11	s	CAP, CERAMIC 0.01MF X7R 1005
C2109	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C2110	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C2111	1-112-777-11	s	CAP, CERAMIC 0.01MF X7R 1005
C2112	1-112-777-11	s	CAP, CERAMIC 0.01MF X7R 1005
C2113	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C2114	1-112-777-11	s	CAP, CERAMIC 0.01MF X7R 1005
C2115	1-112-777-11	s	CAP, CERAMIC 0.01MF X7R 1005
C2118	1-116-079-11	s	CAP, CERAMIC 10MF X6S 2012
C2119	1-112-777-11	s	CAP, CERAMIC 0.01MF X7R 1005
C2120	1-112-777-11	s	CAP, CERAMIC 0.01MF X7R 1005
C2121	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C2122	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C2123	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C2201	1-100-055-11	s	CAP, CHIP CERAMIC 22MF B 3225
C2202	1-100-055-11	s	CAP, CHIP CERAMIC 22MF B 3225
C2203	1-112-777-11	s	CAP, CERAMIC 0.01MF X7R 1005

(QA BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C2204	1-112-777-11	s CAP, CERAMIC 0.01MF X7R 1005
C2205	1-116-079-11	s CAP, CERAMIC 10MF X6S 2012
C2206	1-116-079-11	s CAP, CERAMIC 10MF X6S 2012
C2207	1-112-777-11	s CAP, CERAMIC 0.01MF X7R 1005
C2208	1-112-777-11	s CAP, CERAMIC 0.01MF X7R 1005
C2209	1-137-893-21	s CAP, ELECT 22MF (5X5.4)
C2210	1-137-893-21	s CAP, ELECT 22MF (5X5.4)
C2211	1-137-893-21	s CAP, ELECT 22MF (5X5.4)
C2212	1-137-893-21	s CAP, ELECT 22MF (5X5.4)
C2213	1-112-781-11	s CAP, CERAMIC 1MF X7R 1608
C2214	1-112-781-11	s CAP, CERAMIC 1MF X7R 1608
C2215	1-100-765-21	s CAP, ELECT 10MF (4X5.4)
C2216	1-100-765-21	s CAP, ELECT 10MF (4X5.4)
C2217	1-135-366-21	s CAP, ELECT 100MF (6.3X5.4)
C2218	1-112-777-11	s CAP, CERAMIC 0.01MF X7R 1005
C2219	1-135-366-21	s CAP, ELECT 100MF (6.3X5.4)
C2220	1-112-777-11	s CAP, CERAMIC 0.01MF X7R 1005
C2221	1-112-781-11	s CAP, CERAMIC 1MF X7R 1608
C2222	1-100-765-21	s CAP, ELECT 10MF (4X5.4)
C2223	1-112-781-11	s CAP, CERAMIC 1MF X7R 1608
C2224	1-100-765-21	s CAP, ELECT 10MF (4X5.4)
C2225	1-114-553-11	s CAP, CERAMIC 10MF X6S 3216
C2226	1-114-553-11	s CAP, CERAMIC 10MF X6S 3216
C2227	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C2228	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C2301	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C2302	1-116-079-11	s CAP, CERAMIC 10MF X6S 2012
C2303	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C2304	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C2305	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C2306	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C2307	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C2308	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C2309	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C2310	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C2311	1-116-079-11	s CAP, CERAMIC 10MF X6S 2012
C2312	1-116-079-11	s CAP, CERAMIC 10MF X6S 2012
C2313	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C2314	1-116-079-11	s CAP, CERAMIC 10MF X6S 2012
C2315	1-100-769-21	s CAP, CHIP ELECT 470MF
C2316	1-100-769-21	s CAP, CHIP ELECT 470MF
C2317	1-100-769-21	s CAP, CHIP ELECT 470MF
C2401	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C2405	1-114-331-11	s CAP, CERAMIC 4.7MF X7R 2012
C2406	1-100-912-11	s CAP, CERAMIC 1.0MF X7R (2012)
C2407	1-164-882-81	s CAP,CHIP CERAMIC 220PF CH 1005
C2408	1-116-079-11	s CAP, CERAMIC 10MF X6S 2012
C2409	1-114-334-11	s CAP, CERAMIC 10MF X7R 3225
CN2001	1-843-575-11	s D SUB CONNECTOR 15P
CN2101	1-817-104-21	s DVI CONNECTOR
CN2102	1-821-644-11	o CONNECTOR, HDMI
CN2301	1-843-575-11	s D SUB CONNECTOR 15P
CN2401	1-820-292-11	o HEADER ASSEMBLY (PRINT PWB) 13P
CN2402	1-820-287-11	o HEADER ASSEMBLY (PRINT PWB) 8P
CN2403	1-770-449-21	s CONNECTOR, BOARD T1 BOARD 70P
CN2404	1-770-449-21	s CONNECTOR, BOARD T1 BOARD 70P
D2001	6-500-335-01	s DIODE MC2838-T112-1
D2002	6-503-235-01	s DI DA3J101F0L

(QA BOARD)

Ref. No. or Q'ty	Part No.	SP Description
D2003	6-503-235-01	s DI DA3J101F0L
D2004	6-503-235-01	s DI DA3J101F0L
D2005	6-503-235-01	s DI DA3J101F0L
D2006	6-503-235-01	s DI DA3J101F0L
D2007	6-503-235-01	s DI DA3J101F0L
D2008	6-500-886-01	s DIODE RSA6.1ENTR
D2009	6-502-890-01	s DI DZ2S05600K8
D2010	6-502-890-01	s DI DZ2S05600K8
D2011	6-502-890-01	s DI DZ2S05600K8
D2012	6-502-890-01	s DI DZ2S05600K8
D2101	6-500-335-01	s DIODE MC2838-T112-1
D2102	6-500-335-01	s DIODE MC2838-T112-1
D2103	1-805-043-11	s ABSORBER, CHIP SURGE
D2104	1-805-043-11	s ABSORBER, CHIP SURGE
D2105	1-805-043-11	s ABSORBER, CHIP SURGE
D2106	1-805-043-11	s ABSORBER, CHIP SURGE
D2107	1-805-043-11	s ABSORBER, CHIP SURGE
D2108	1-805-043-11	s ABSORBER, CHIP SURGE
D2109	1-805-043-11	s ABSORBER, CHIP SURGE
D2110	1-805-043-11	s ABSORBER, CHIP SURGE
D2111	6-500-886-01	s DIODE RSA6.1ENTR
D2301	6-503-235-01	s DI DA3J101F0L
D2302	6-503-235-01	s DI DA3J101F0L
D2303	6-503-235-01	s DI DA3J101F0L
D2304	6-503-235-01	s DI DA3J101F0L
D2305	6-503-235-01	s DI DA3J101F0L
D2401	6-501-123-01	s DIODE RB160M-60TR
D2402	6-502-890-01	s DI DZ2S05600K8
D2403	6-502-961-01	s DI DA2J10100L
FB2001	1-400-331-21	s FERRITE, EMI (SMD) (1005)
FB2101	1-400-331-21	s FERRITE, EMI (SMD) (1005)
FB2102	1-400-331-21	s FERRITE, EMI (SMD) (1005)
FB2104	1-400-331-21	s FERRITE, EMI (SMD) (1005)
FB2105	1-400-331-21	s FERRITE, EMI (SMD) (1005)
FB2301	1-400-331-21	s FERRITE, EMI (SMD) (1005)
FB2403	1-400-180-21	s INDUCTOR, EMI FERRITE (1608)
FB2405	1-400-331-21	s FERRITE, EMI (SMD) (1005)
FB2406	1-400-331-21	s FERRITE, EMI (SMD) (1005)
FB2407	1-400-331-21	s FERRITE, EMI (SMD) (1005)
FB2408	1-400-331-21	s FERRITE, EMI (SMD) (1005)
FB2409	1-400-331-21	s FERRITE, EMI (SMD) (1005)
IC2001	6-704-600-01	s IC M24C02-WMN6T(B)
IC2002	6-709-895-01	s IC LT6555CGN#TR
IC2003	6-709-895-01	s IC LT6555CGN#TR
IC2101	6-704-600-01	s IC M24C02-WMN6T(B)
IC2102	6-708-758-01	s IC PCA9517DP.118
IC2103	6-704-600-01	s IC M24C02-WMN6T(B)
IC2104	6-716-410-01	s IC TMS261BPAGR
IC2105	6-706-491-01	s IC TC7SH86FU
IC2106	6-706-487-01	s IC TC7SH08FU
IC2107	6-706-484-01	s IC TC7SH04FU
IC2201	8-759-157-42	s IC TL082CPS-E20
IC2202	8-759-157-42	s IC TL082CPS-E20
IC2203	8-759-092-82	s IC SN75157PS-ELL2000
IC2204	8-759-092-82	s IC SN75157PS-ELL2000
IC2301	6-711-417-01	s IC TC74VHC153FK(EL)
IC2302	6-709-895-01	s IC LT6555CGN#TR
IC2303	8-759-273-62	s IC SN75453BPSR

(QA BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
IC2401	6-707-843-01	s	IC TC74LCX125FT(EKJ)
IC2404	6-705-481-01	s	IC LT1931ES5#TR
J2001	1-842-221-11	s	CONNECTOR, BNC (RECEPTACLE) 5P
L2001	1-469-555-21	s	INDUCTOR, CHIP 10UH (LB2016)
L2002	1-469-555-21	s	INDUCTOR, CHIP 10UH (LB2016)
L2003	1-469-555-21	s	INDUCTOR, CHIP 10UH (LB2016)
L2004	1-469-555-21	s	INDUCTOR, CHIP 10UH (LB2016)
L2101	1-460-416-11	o	COMMON MODE CHOKE COIL
L2102	1-460-416-11	o	COMMON MODE CHOKE COIL
L2103	1-460-416-11	o	COMMON MODE CHOKE COIL
L2104	1-460-416-11	o	COMMON MODE CHOKE COIL
L2201	1-469-553-21	s	INDUCTOR, CHIP 4.7UH (LB2016)
L2202	1-469-553-21	s	INDUCTOR, CHIP 4.7UH (LB2016)
L2203	1-469-555-21	s	INDUCTOR, CHIP 10UH (LB2016)
L2204	1-469-555-21	s	INDUCTOR, CHIP 10UH (LB2016)
L2301	1-469-555-21	s	INDUCTOR, CHIP 10UH (LB2016)
L2302	1-469-555-21	s	INDUCTOR, CHIP 10UH (LB2016)
L2303	1-469-555-21	s	INDUCTOR, CHIP 10UH (LB2016)
L2401	1-481-182-21	s	INDUCTOR 22UH
L2402	1-481-182-21	s	INDUCTOR 22UH
Q2001	6-552-723-01	o	TR SSM6N37FE, RSONYM
Q2002	6-552-723-01	o	TR SSM6N37FE, RSONYM
Q2003	6-552-949-01	s	TR LTC044EUBFS8TL
Q2004	6-552-892-01	s	TR LSCR523UBFS8TL
Q2005	6-552-723-01	o	TR SSM6N37FE, RSONYM
Q2006	6-552-723-01	o	TR SSM6N37FE, RSONYM
Q2101	6-552-892-01	s	TR LSCR523UBFS8TL
Q2102	6-552-892-01	s	TR LSCR523UBFS8TL
Q2103	6-552-723-01	o	TR SSM6N37FE, RSONYM
Q2104	6-551-667-01	s	TR SSM3K16FV (TL3S)
Q2105	6-551-667-01	s	TR SSM3K16FV (TL3S)
Q2106	6-552-723-01	o	TR SSM6N37FE, RSONYM
Q2107	6-552-723-01	o	TR SSM6N37FE, RSONYM
Q2108	6-552-949-01	s	TR LTC044EUBFS8TL
Q2109	6-552-723-01	o	TR SSM6N37FE, RSONYM
Q2110	6-552-949-01	s	TR LTC044EUBFS8TL
Q2113	6-552-723-01	o	TR SSM6N37FE, RSONYM
Q2114	6-552-723-01	o	TR SSM6N37FE, RSONYM
Q2115	6-552-723-01	o	TR SSM6N37FE, RSONYM
Q2201	6-552-892-01	s	TR LSCR523UBFS8TL
Q2202	6-552-892-01	s	TR LSCR523UBFS8TL
Q2203	6-552-892-01	s	TR LSCR523UBFS8TL
Q2204	6-552-891-01	s	TR LSAR523UBFS8TL
Q2205	6-552-892-01	s	TR LSCR523UBFS8TL
Q2206	6-552-891-01	s	TR LSAR523UBFS8TL
Q2207	6-552-892-01	s	TR LSCR523UBFS8TL
Q2208	6-552-892-01	s	TR LSCR523UBFS8TL
Q2209	6-552-892-01	s	TR LSCR523UBFS8TL
Q2210	6-552-891-01	s	TR LSAR523UBFS8TL
Q2211	6-552-892-01	s	TR LSCR523UBFS8TL
Q2212	6-552-891-01	s	TR LSAR523UBFS8TL
Q2401	6-551-273-01	s	TRANSISTOR RTR025N03TL
Q2402	6-552-723-01	o	TR SSM6N37FE, RSONYM
Q2403	6-552-892-01	s	TR LSCR523UBFS8TL
Q2404	6-552-892-01	s	TR LSCR523UBFS8TL
R2001	1-218-953-81	s	RES, CHIP 1.0K
R2002	1-218-965-81	s	RES, CHIP 10K 1005

(QA BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R2003	1-218-953-81	s	RES, CHIP 1.0K
R2004	1-218-965-81	s	RES, CHIP 10K 1005
R2005	1-218-953-81	s	RES, CHIP 1.0K
R2006	1-218-953-81	s	RES, CHIP 1.0K
R2007	1-218-937-81	s	RES, CHIP 47
R2008	1-218-937-81	s	RES, CHIP 47
R2009	1-216-809-91	s	RES, CHIP 100 (1608)
R2010	1-216-809-91	s	RES, CHIP 100 (1608)
R2011	1-218-965-81	s	RES, CHIP 10K 1005
R2012	1-218-965-81	s	RES, CHIP 10K 1005
R2013	1-216-809-91	s	RES, CHIP 100 (1608)
R2014	1-216-809-91	s	RES, CHIP 100 (1608)
R2015	1-216-811-91	s	RES, CHIP 150 (1608)
R2016	1-216-811-91	s	RES, CHIP 150 (1608)
R2017	1-216-811-91	s	RES, CHIP 150 (1608)
R2018	1-208-911-81	s	RES, CHIP 10K (1005)
R2019	1-208-923-81	s	RES, CHIP 33K (1005)
R2020	1-216-811-91	s	RES, CHIP 150 (1608)
R2021	1-216-811-91	s	RES, CHIP 150 (1608)
R2022	1-216-811-91	s	RES, CHIP 150 (1608)
R2023	1-216-811-91	s	RES, CHIP 150 (1608)
R2024	1-216-811-91	s	RES, CHIP 150 (1608)
R2025	1-216-811-91	s	RES, CHIP 150 (1608)
R2026	1-216-811-91	s	RES, CHIP 150 (1608)
R2027	1-216-811-91	s	RES, CHIP 150 (1608)
R2028	1-216-811-91	s	RES, CHIP 150 (1608)
R2029	1-218-937-81	s	RES, CHIP 47
R2030	1-218-937-81	s	RES, CHIP 47
R2031	1-218-957-81	s	RES, CHIP 2.2K
R2032	1-218-957-81	s	RES, CHIP 2.2K
R2033	1-218-959-81	s	RES, CHIP 3.3K
R2034	1-218-971-81	s	RES, CHIP 33K
R2035	1-218-971-81	s	RES, CHIP 33K
R2036	1-218-971-81	s	RES, CHIP 33K
R2037	1-218-961-81	s	RES, CHIP 4.7K
R2038	1-218-941-81	s	RES, CHIP 100
R2039	1-218-941-81	s	RES, CHIP 100
R2040	1-218-941-81	s	RES, CHIP 100
R2041	1-218-961-81	s	RES, CHIP 4.7K
R2042	1-218-971-81	s	RES, CHIP 33K
R2043	1-218-971-81	s	RES, CHIP 33K
R2044	1-218-971-81	s	RES, CHIP 33K
R2045	1-218-941-81	s	RES, CHIP 100
R2046	1-218-941-81	s	RES, CHIP 100
R2047	1-218-941-81	s	RES, CHIP 100
R2048	1-218-937-81	s	RES, CHIP 47
R2049	1-218-937-81	s	RES, CHIP 47
R2050	1-218-937-81	s	RES, CHIP 47
R2051	1-218-937-81	s	RES, CHIP 47
R2052	1-218-937-81	s	RES, CHIP 47
R2053	1-218-937-81	s	RES, CHIP 47
R2054	1-218-937-81	s	RES, CHIP 47
R2055	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R2056	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R2057	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R2058	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R2059	1-218-973-81	s	RES, CHIP 47K
R2060	1-218-965-81	s	RES, CHIP 10K 1005
R2101	1-218-953-81	s	RES, CHIP 1.0K

(QA BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R2102	1-218-965-81	s RES, CHIP 10K 1005
R2103	1-218-990-81	s CONDUCTOR, CHIP (1005)
R2104	1-218-953-81	s RES, CHIP 1.0K
R2105	1-218-961-81	s RES, CHIP 4.7K
R2106	1-218-965-81	s RES, CHIP 10K 1005
R2107	1-218-961-81	s RES, CHIP 4.7K
R2108	1-218-937-81	s RES, CHIP 47
R2109	1-218-937-81	s RES, CHIP 47
R2110	1-218-973-81	s RES, CHIP 47K
R2111	1-218-969-81	s RES, CHIP 22K
R2112	1-208-911-81	s RES, CHIP 10K (1005)
R2113	1-208-923-81	s RES, CHIP 33K (1005)
R2115	1-218-973-81	s RES, CHIP 47K
R2116	1-218-973-81	s RES, CHIP 47K
R2117	1-218-965-81	s RES, CHIP 10K 1005
R2118	1-218-965-81	s RES, CHIP 10K 1005
R2119	1-218-969-81	s RES, CHIP 22K
R2120	1-218-937-81	s RES, CHIP 47
R2121	1-218-937-81	s RES, CHIP 47
R2123	1-218-961-81	s RES, CHIP 4.7K
R2124	1-208-911-81	s RES, CHIP 10K (1005)
R2125	1-208-923-81	s RES, CHIP 33K (1005)
R2127	1-218-973-81	s RES, CHIP 47K
R2128	1-218-961-81	s RES, CHIP 4.7K
R2129	1-218-961-81	s RES, CHIP 4.7K
R2131	1-218-937-81	s RES, CHIP 47
R2132	1-218-937-81	s RES, CHIP 47
R2133	1-218-961-81	s RES, CHIP 4.7K
R2134	1-218-990-81	s CONDUCTOR, CHIP (1005)
R2136	1-218-965-81	s RES, CHIP 10K 1005
R2137	1-218-990-81	s CONDUCTOR, CHIP (1005)
R2143	1-218-965-81	s RES, CHIP 10K 1005
R2145	1-218-961-81	s RES, CHIP 4.7K
R2146	1-218-957-81	s RES, CHIP 2.2K
R2147	1-218-957-81	s RES, CHIP 2.2K
R2148	1-218-937-81	s RES, CHIP 47
R2149	1-218-937-81	s RES, CHIP 47
R2150	1-218-961-81	s RES, CHIP 4.7K
R2151	1-218-990-81	s CONDUCTOR, CHIP (1005)
R2152	1-218-990-81	s CONDUCTOR, CHIP (1005)
R2153	1-218-990-81	s CONDUCTOR, CHIP (1005)
R2154	1-218-990-81	s CONDUCTOR, CHIP (1005)
R2156	1-218-965-81	s RES, CHIP 10K 1005
R2162	1-218-990-81	s CONDUCTOR, CHIP (1005)
R2163	1-218-990-81	s CONDUCTOR, CHIP (1005)
R2173	1-218-973-81	s RES, CHIP 47K
R2175	1-218-973-81	s RES, CHIP 47K
R2176	1-218-961-81	s RES, CHIP 4.7K
R2177	1-218-961-81	s RES, CHIP 4.7K
R2178	1-218-961-81	s RES, CHIP 4.7K
R2179	1-218-961-81	s RES, CHIP 4.7K
R2182	1-218-990-81	s CONDUCTOR, CHIP (1005)
R2184	1-218-977-81	s RES, CHIP 100K
R2185	1-218-977-81	s RES, CHIP 100K
R2186	1-250-509-11	o RES,METAL FILM CHIP 3.9K(1005)
R2187	1-250-473-11	s RES, METAL FILM CHIP 120(1005)
R2189	1-218-990-81	s CONDUCTOR, CHIP (1005)
R2191	1-218-990-81	s CONDUCTOR, CHIP (1005)
R2201	1-218-969-81	s RES, CHIP 22K

(QA BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R2202	1-218-969-81	s RES, CHIP 22K
R2203	1-218-969-81	s RES, CHIP 22K
R2204	1-218-969-81	s RES, CHIP 22K
R2205	1-218-941-81	s RES, CHIP 100
R2206	1-218-941-81	s RES, CHIP 100
R2207	1-218-965-81	s RES, CHIP 10K 1005
R2208	1-218-965-81	s RES, CHIP 10K 1005
R2209	1-218-953-81	s RES, CHIP 1.0K
R2210	1-218-965-81	s RES, CHIP 10K 1005
R2211	1-218-965-81	s RES, CHIP 10K 1005
R2212	1-218-953-81	s RES, CHIP 1.0K
R2213	1-218-941-81	s RES, CHIP 100
R2214	1-218-941-81	s RES, CHIP 100
R2215	1-216-817-91	s RES, CHIP 470 (1608)
R2216	1-216-817-91	s RES, CHIP 470 (1608)
R2217	1-218-979-81	s RES, CHIP 150K
R2218	1-218-978-81	s RES, CHIP 120K
R2219	1-218-979-81	s RES, CHIP 150K
R2220	1-218-978-81	s RES, CHIP 120K
R2221	1-218-976-81	s RES, CHIP 82K
R2222	1-218-976-81	s RES, CHIP 82K
R2223	1-218-976-81	s RES, CHIP 82K
R2224	1-218-976-81	s RES, CHIP 82K
R2225	1-218-977-81	s RES, CHIP 100K
R2226	1-218-976-81	s RES, CHIP 82K
R2227	1-218-977-81	s RES, CHIP 100K
R2228	1-218-976-81	s RES, CHIP 82K
R2229	1-218-973-81	s RES, CHIP 47K
R2230	1-218-973-81	s RES, CHIP 47K
R2231	1-218-973-81	s RES, CHIP 47K
R2232	1-218-973-81	s RES, CHIP 47K
R2233	1-218-941-81	s RES, CHIP 100
R2234	1-218-941-81	s RES, CHIP 100
R2235	1-218-941-81	s RES, CHIP 100
R2236	1-218-941-81	s RES, CHIP 100
R2301	1-218-941-81	s RES, CHIP 100
R2302	1-218-941-81	s RES, CHIP 100
R2309	1-218-929-81	s RES, CHIP 10
R2310	1-220-169-81	s RES, CHIP 75
R2311	1-220-169-81	s RES, CHIP 75
R2312	1-220-169-81	s RES, CHIP 75
R2313	1-216-817-91	s RES, CHIP 470 (1608)
R2316	1-216-817-91	s RES, CHIP 470 (1608)
R2318	1-216-817-91	s RES, CHIP 470 (1608)
R2319	1-216-817-91	s RES, CHIP 470 (1608)
R2320	1-216-817-91	s RES, CHIP 470 (1608)
R2321	1-218-973-81	s RES, CHIP 47K
R2322	1-218-973-81	s RES, CHIP 47K
R2323	1-218-973-81	s RES, CHIP 47K
R2324	1-216-817-91	s RES, CHIP 470 (1608)
R2325	1-218-937-81	s RES, CHIP 47
R2326	1-218-937-81	s RES, CHIP 47
R2403	1-218-965-81	s RES, CHIP 10K 1005
R2406	1-218-965-81	s RES, CHIP 10K 1005
R2407	1-218-965-81	s RES, CHIP 10K 1005
R2408	1-218-937-81	s RES, CHIP 47
R2409	1-218-937-81	s RES, CHIP 47
R2412	1-218-990-81	s CONDUCTOR, CHIP (1005)
R2414	1-218-990-81	s CONDUCTOR, CHIP (1005)



## (QA BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R2415	1-208-917-81	s	RES, CHIP 18K (1005)
R2416	1-208-913-81	s	RES, CHIP 12K (1005)
R2417	1-208-911-81	s	RES, CHIP 10K (1005)
R2418	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R2419	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2420	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R2421	1-218-965-81	s	RES, CHIP 10K 1005
R2422	1-218-965-81	s	RES, CHIP 10K 1005
R2423	1-218-965-81	s	RES, CHIP 10K 1005
R2424	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2428	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2430	1-218-977-81	s	RES, CHIP 100K
R2431	1-218-965-81	s	RES, CHIP 10K 1005
R2432	1-208-911-81	s	RES, CHIP 10K (1005)
R2433	1-208-895-81	s	RES, CHIP 2.2K (1005)
R2434	1-218-957-81	s	RES, CHIP 2.2K
R2435	1-218-957-81	s	RES, CHIP 2.2K
RB2101	1-234-369-21	s	RES, NETWORK 10 (1005X4)
RB2102	1-234-369-21	s	RES, NETWORK 10 (1005X4)
RB2103	1-234-369-21	s	RES, NETWORK 10 (1005X4)
RB2104	1-234-369-21	s	RES, NETWORK 10 (1005X4)
RB2105	1-234-369-21	s	RES, NETWORK 10 (1005X4)
RB2106	1-234-369-21	s	RES, NETWORK 10 (1005X4)
VDR5	1-802-090-21	s	VARISTOR, CHIP
VDR6	1-802-090-21	s	VARISTOR, CHIP
VDR7	1-802-090-21	s	VARISTOR, CHIP
VDR8	1-802-090-21	s	VARISTOR, CHIP
VDR11	1-802-245-11	s	ESD SUPPRESSOR
VDR12	1-802-245-11	s	ESD SUPPRESSOR
VDR13	1-802-481-11	s	ESD SUPPRESSOR (4 ARRAY)
VDR14	1-802-481-11	s	ESD SUPPRESSOR (4 ARRAY)
VDR18	6-712-886-01	s	IC RCLAMP0524J.TCT
VDR19	6-712-886-01	s	IC RCLAMP0524J.TCT

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QB BOARD  
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Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1946-757-A	s	MOUNTED CIRCUIT BOARD, QB
C2701	1-114-331-11	s	CAP, CERAMIC 4.7MF X7R 2012
C2702	1-114-331-11	s	CAP, CERAMIC 4.7MF X7R 2012
C2703	1-114-331-11	s	CAP, CERAMIC 4.7MF X7R 2012
C2704	1-114-331-11	s	CAP, CERAMIC 4.7MF X7R 2012
C2705	1-114-331-11	s	CAP, CERAMIC 4.7MF X7R 2012
C2706	1-114-331-11	s	CAP, CERAMIC 4.7MF X7R 2012
C2707	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C2708	1-116-079-11	s	CAP, CERAMIC 10MF X6S 2012
C2709	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C2710	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C2711	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C2712	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C2713	1-100-055-11	s	CAP, CHIP CERAMIC 22MF B 3225
C2714	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C2715	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C2716	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C2717	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C2718	1-114-868-11	s	CAP, CERAMIC 0.1MF X7R 1608
C2719	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C2720	1-114-553-11	s	CAP, CERAMIC 10MF X6S 3216
C2721	1-114-868-11	s	CAP, CERAMIC 0.1MF X7R 1608
C2722	1-100-055-11	s	CAP, CHIP CERAMIC 22MF B 3225
C2723	1-100-055-11	s	CAP, CHIP CERAMIC 22MF B 3225
C2724	1-116-079-11	s	CAP, CERAMIC 10MF X6S 2012
C2725	1-116-079-11	s	CAP, CERAMIC 10MF X6S 2012
C2726	1-116-079-11	s	CAP, CERAMIC 10MF X6S 2012
C2727	1-116-079-11	s	CAP, CERAMIC 10MF X6S 2012
CN2701	1-842-295-11	s	S TERMINAL
CN2702	1-818-513-21	s	CONNECTOR (SQUARE TYPE) (USB) 5P
CN2703	1-820-190-11	s	HEADER ASSEMBLY (PRINT PWB) 13P
CN2704	1-820-185-11	s	HEADER ASSEMBLY (PRINT PWB) 8P
D2701	6-503-016-01	s	DI DZ2J07500L
D2702	6-503-016-01	s	DI DZ2J07500L
D2703	6-503-016-01	s	DI DZ2J07500L
D2704	6-503-016-01	s	DI DZ2J07500L
D2705	6-503-016-01	s	DI DZ2J07500L
D2706	6-503-016-01	s	DI DZ2J07500L
D2707	6-502-973-01	s	DI DZ2J091M0L
D2708	6-502-973-01	s	DI DZ2J091M0L
D2709	6-502-973-01	s	DI DZ2J091M0L
D2710	6-502-973-01	s	DI DZ2J091M0L
FB2701	1-481-297-11	f	INDUCTOR (EMI FERRITE) (1608)
FB2702	1-481-297-11	f	INDUCTOR (EMI FERRITE) (1608)
FB2703	1-481-297-11	f	INDUCTOR (EMI FERRITE) (1608)
IC2701	8-759-352-94	s	IC TDA7309D013TR
IC2702	6-701-105-01	s	IC NJM2750M-TE2
IC2703	6-702-593-01	s	IC BA10358FV-E2
J2701	1-770-329-13	s	JACK, PIN 3P
J2702	1-566-822-21	s	JACK
J2703	1-566-822-21	s	JACK
J2704	1-566-822-21	s	JACK
L2701	1-469-553-21	s	INDUCTOR, CHIP 4.7UH (LB2016)
Q2701	8-729-013-26	s	TRANSISTOR HN1C03FU-TE85R
R2701	1-218-885-91	s	RES, CHIP 39K (1608)

(QB BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R2702	1-218-885-91	s RES, CHIP 39K (1608)
R2703	1-218-883-91	s RES, CHIP 33K (1608)
R2704	1-218-883-91	s RES, CHIP 33K (1608)
R2705	1-216-864-91	s CONDUCTOR, CHIP (1608)
R2706	1-216-864-91	s CONDUCTOR, CHIP (1608)
R2707	1-216-864-91	s CONDUCTOR, CHIP (1608)
R2711	1-218-885-91	s RES, CHIP 39K (1608)
R2712	1-218-885-91	s RES, CHIP 39K (1608)
R2713	1-218-885-91	s RES, CHIP 39K (1608)
R2714	1-218-885-91	s RES, CHIP 39K (1608)
R2715	1-218-883-91	s RES, CHIP 33K (1608)
R2716	1-218-883-91	s RES, CHIP 33K (1608)
R2717	1-218-883-91	s RES, CHIP 33K (1608)
R2718	1-218-883-91	s RES, CHIP 33K (1608)
R2719	1-218-990-81	s CONDUCTOR, CHIP (1005)
R2720	1-218-990-81	s CONDUCTOR, CHIP (1005)
R2721	1-218-977-81	s RES, CHIP 100K
R2722	1-218-977-81	s RES, CHIP 100K
R2723	1-218-985-81	s RES, CHIP 470K
R2724	1-218-985-81	s RES, CHIP 470K
R2725	1-218-990-81	s CONDUCTOR, CHIP (1005)
R2726	1-218-990-81	s CONDUCTOR, CHIP (1005)
R2731	1-218-941-81	s RES, CHIP 100
R2732	1-218-941-81	s RES, CHIP 100
R2733	1-208-895-81	s RES, CHIP 2.2K (1005)
R2734	1-208-895-81	s RES, CHIP 2.2K (1005)
R2735	1-208-911-81	s RES, CHIP 10K (1005)
R2736	1-208-911-81	s RES, CHIP 10K (1005)
R2737	1-218-953-81	s RES, CHIP 1.0K
R2738	1-218-953-81	s RES, CHIP 1.0K
R2739	1-218-953-81	s RES, CHIP 1.0K
R2740	1-218-953-81	s RES, CHIP 1.0K
R2741	1-218-985-81	s RES, CHIP 470K
R2742	1-218-985-81	s RES, CHIP 470K
R2746	1-218-985-81	s RES, CHIP 470K
R2747	1-218-985-81	s RES, CHIP 470K
R2748	1-218-957-81	s RES, CHIP 2.2K
R2749	1-218-957-81	s RES, CHIP 2.2K
VDR71	1-802-090-21	s VARISTOR, CHIP
VDR72	1-802-090-21	s VARISTOR, CHIP
VDR73	1-802-090-21	s VARISTOR, CHIP

QC BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1946-758-A	s MOUNTED CIRCUIT BOARD, QC
C2801	1-100-905-11	s CAP, CERAMIC1000PF X7R 1005
C2802	1-100-905-11	s CAP, CERAMIC1000PF X7R 1005
C2803	1-114-472-91	s CAP, CERAMIC 1000PF X7R (2000)
C2804	1-100-905-11	s CAP, CERAMIC1000PF X7R 1005
C2805	1-100-905-11	s CAP, CERAMIC1000PF X7R 1005
C2806	1-164-935-81	s CAP, CHIP CERAMIC 470PF B 1005
C2807	1-100-905-11	s CAP, CERAMIC1000PF X7R 1005
C2808	1-112-064-11	s CAP, CERAMIC 2.2MF X7R 2012
C2809	1-112-781-11	s CAP, CERAMIC 1MF X7R 1608
C2810	1-112-064-11	s CAP, CERAMIC 2.2MF X7R 2012
C2811	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C2812	1-114-331-11	s CAP, CERAMIC 4.7MF X7R 2012
C2813	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C2814	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C2815	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C2816	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C2817	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C2818	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C2819	1-114-330-11	s CAP, CERAMIC 2.2MF X7R 2012
C2820	1-112-067-11	s CAP, CERAMIC 0.22MF X7R 1608
C2821	1-118-047-11	s CAP, CERAMIC 10MF X5R (2012)
CN2801	1-565-269-12	s SOCKET, CONNECTOR (D-SUB,L) 9P
CN2802	1-818-204-11	s JACK, MODULAR (RJ-45)
CN2803	1-820-192-11	s HEADER ASSEMBLY (PRINT PWB)15P
D2801	8-719-069-56	s DI UDZSUSTE-176.2B
D2802	6-503-029-01	s DI DZ2J16000L
D2803	6-503-235-01	s DI DA3J101F0L
D2804	6-503-029-01	s DI DZ2J16000L
D2805	6-503-029-01	s DI DZ2J16000L
D2806	6-503-235-01	s DI DA3J101F0L
D2807	6-503-029-01	s DI DZ2J16000L
D2808	6-503-235-01	s DI DA3J101F0L
D2809	6-503-235-01	s DI DA3J101F0L
FB2801	1-400-180-21	s INDUCTOR, EMI FERRITE (1608)
FB2802	1-400-180-21	s INDUCTOR, EMI FERRITE (1608)
FB2803	1-400-180-21	s INDUCTOR, EMI FERRITE (1608)
FB2804	1-400-180-21	s INDUCTOR, EMI FERRITE (1608)
FB2805	1-400-180-21	s INDUCTOR, EMI FERRITE (1608)
FB2806	1-400-180-21	s INDUCTOR, EMI FERRITE (1608)
IC2801	6-709-322-01	s IC TC7WH123FK
IC2802	6-706-923-01	s IC MAX3222IDBR
J2801	1-568-267-21	s JACK
L2801	1-456-390-21	s COMMOM MODE CHOKE COIL
L2802	1-456-390-21	s COMMOM MODE CHOKE COIL
Q2801	6-552-891-01	s TR LSAR523UBFS8TL
Q2802	6-552-891-01	s TR LSAR523UBFS8TL
Q2803	6-552-949-01	s TR LTC044EUBFS8TL
Q2804	6-552-891-01	s TR LSAR523UBFS8TL
R2801	1-216-811-91	s RES, CHIP 150 (1608)
R2802	1-218-990-81	s CONDUCTOR, CHIP (1005)
R2803	1-218-990-81	s CONDUCTOR, CHIP (1005)
R2804	1-218-990-81	s CONDUCTOR, CHIP (1005)
R2805	1-218-990-81	s CONDUCTOR, CHIP (1005)

(QC BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R2806	1-216-811-91	s	RES, CHIP 150 (1608)
R2807	1-216-811-91	s	RES, CHIP 150 (1608)
R2808	1-220-253-91	s	RES, SQUARE TYPE CHIP 47(3225)
R2809	1-216-811-91	s	RES, CHIP 150 (1608)
R2810	1-218-941-81	s	RES, CHIP 100
R2811	1-218-957-81	s	RES, CHIP 2.2K
R2816	1-218-973-81	s	RES, CHIP 47K
R2817	1-218-941-81	s	RES, CHIP 100
R2818	1-218-941-81	s	RES, CHIP 100
R2819	1-216-801-91	s	RES, CHIP 22 (1608)
R2820	1-218-969-81	s	RES, CHIP 22K
R2821	1-218-961-81	s	RES, CHIP 4.7K
R2822	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2823	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2824	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2825	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2826	1-218-985-81	s	RES, CHIP 470K
R2827	1-218-977-81	s	RES, CHIP 100K
R2828	1-218-953-81	s	RES, CHIP 1.0K
R2829	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2830	1-218-961-81	s	RES, CHIP 4.7K
R2831	1-218-941-81	s	RES, CHIP 100
R2833	1-218-941-81	s	RES, CHIP 100
R2834	1-218-965-81	s	RES, CHIP 10K 1005
R2835	1-218-965-81	s	RES, CHIP 10K 1005
R2836	1-218-953-81	s	RES, CHIP 1.0K
R2837	1-218-953-81	s	RES, CHIP 1.0K
R2838	1-218-941-81	s	RES, CHIP 100
R2839	1-218-977-81	s	RES, CHIP 100K
R2840	1-218-973-81	s	RES, CHIP 47K

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QD BOARD  
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Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1946-759-A	s	MOUNTED CIRCUIT BOARD, QD
C1901	1-114-813-11	s	CAP, CERAMIC 1UF X7R 1608
C1902	1-114-472-91	s	CAP, CERAMIC 1000PF X7R (2000)
C1903	1-116-079-11	s	CAP, CERAMIC 10MF X6S 2012
C1904	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C1905	1-114-324-11	s	CAP, CERAMIC 0.022MF X7R 1608
C1906	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C1907	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C1908	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C1909	1-164-850-81	s	CAP, CHIP CERAMIC 10PF CH 1005
C1910	1-164-850-81	s	CAP, CHIP CERAMIC 10PF CH 1005
C1911	1-164-850-81	s	CAP, CHIP CERAMIC 10PF CH 1005
C1912	1-116-079-11	s	CAP, CERAMIC 10MF X6S 2012
C1913	1-164-850-81	s	CAP, CHIP CERAMIC 10PF CH 1005
C1914	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C1915	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C1916	1-114-813-11	s	CAP, CERAMIC 1UF X7R 1608
C1917	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C1918	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C1919	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C1921	1-164-844-81	s	CAP, CHIP CERAMIC 4PF CH 1005
C1922	1-164-844-81	s	CAP, CHIP CERAMIC 4PF CH 1005
C1923	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C1924	1-112-774-11	s	CAP, CERAMIC 470PF X7R 1005
C1925	1-114-813-11	s	CAP, CERAMIC 1UF X7R 1608
C1926	1-112-777-11	s	CAP, CERAMIC 0.01MF X7R 1005
C1927	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C1928	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C1929	1-112-779-11	s	CAP, CERAMIC 0.047MF X7R 1005
C1930	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C1931	1-112-779-11	s	CAP, CERAMIC 0.047MF X7R 1005
C1932	1-112-779-11	s	CAP, CERAMIC 0.047MF X7R 1005
C1933	1-100-905-11	s	CAP, CERAMIC1000PF X7R 1005
C1934	1-114-331-11	s	CAP, CERAMIC 4.7MF X7R 2012
C1935	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C1936	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C1937	1-114-331-11	s	CAP, CERAMIC 4.7MF X7R 2012
C1938	1-114-331-11	s	CAP, CERAMIC 4.7MF X7R 2012
C1939	1-100-911-11	s	CAP, CERAMIC 4.7MF X7R (3216)
C1940	1-112-779-11	s	CAP, CERAMIC 0.047MF X7R 1005
C1941	1-112-779-11	s	CAP, CERAMIC 0.047MF X7R 1005
C1942	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C1943	1-112-777-11	s	CAP, CERAMIC 0.01MF X7R 1005
C1944	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C1945	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C1946	1-112-779-11	s	CAP, CERAMIC 0.047MF X7R 1005
C1947	1-112-779-11	s	CAP, CERAMIC 0.047MF X7R 1005
C1948	1-112-779-11	s	CAP, CERAMIC 0.047MF X7R 1005
C1949	1-112-779-11	s	CAP, CERAMIC 0.047MF X7R 1005
C1950	1-112-777-11	s	CAP, CERAMIC 0.01MF X7R 1005
C1951	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C1952	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C1953	1-112-779-11	s	CAP, CERAMIC 0.047MF X7R 1005
C1954	1-112-779-11	s	CAP, CERAMIC 0.047MF X7R 1005
C1955	1-112-779-11	s	CAP, CERAMIC 0.047MF X7R 1005
C1956	1-112-777-11	s	CAP, CERAMIC 0.01MF X7R 1005
C1957	1-112-779-11	s	CAP, CERAMIC 0.047MF X7R 1005
C1958	1-112-777-11	s	CAP, CERAMIC 0.01MF X7R 1005

(QD BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C1959	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C1960	1-112-779-11	s CAP, CERAMIC 0.047MF X7R 1005
C1961	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C1962	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C1963	1-112-777-11	s CAP, CERAMIC 0.01MF X7R 1005
C1964	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C1965	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C1966	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C1967	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C1968	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C1969	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C1970	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C1971	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
CN1901	1-784-254-21	s CONNECTOR 10P
CN1903	1-785-900-21	s CONNECTOR 5P
CN1904	1-820-189-11	o HEADER ASSEMBLY (PRINT PWB) 12P
CN1905	1-820-182-11	o HEADER ASSEMBLY (PRINT PWB) 5P
D1901	6-500-252-01	s DIODE SML-512WWT86
D1902	6-500-252-01	s DIODE SML-512WWT86
FB1902	1-400-331-21	s FERRITE, EMI (SMD) (1005)
FB1904	1-400-331-21	s FERRITE, EMI (SMD) (1005)
FB1905	1-400-331-21	s FERRITE, EMI (SMD) (1005)
FB1907	1-400-331-21	s FERRITE, EMI (SMD) (1005)
FB1908	1-400-331-21	s FERRITE, EMI (SMD) (1005)
FB1909	1-400-331-21	s FERRITE, EMI (SMD) (1005)
FB1910	1-400-331-21	s FERRITE, EMI (SMD) (1005)
FB1911	1-400-331-21	s FERRITE, EMI (SMD) (1005)
FB1912	1-400-331-21	s FERRITE, EMI (SMD) (1005)
FB1913	1-400-331-21	s FERRITE, EMI (SMD) (1005)
FB1914	1-400-331-21	s FERRITE, EMI (SMD) (1005)
FB1915	1-400-331-21	s FERRITE, EMI (SMD) (1005)
FB1916	1-400-331-21	s FERRITE, EMI (SMD) (1005)
FB1917	1-400-331-21	s FERRITE, EMI (SMD) (1005)
FB1918	1-400-331-21	s FERRITE, EMI (SMD) (1005)
FB1919	1-400-331-21	s FERRITE, EMI (SMD) (1005)
FB1920	1-400-331-21	s FERRITE, EMI (SMD) (1005)
FB1921	1-400-331-21	s FERRITE, EMI (SMD) (1005)
FB1922	1-400-331-21	s FERRITE, EMI (SMD) (1005)
IC1902	6-714-152-01	s IC R1EX24064ASAS0A
IC1905	6-715-659-01	s IC PST8428UL
IC1906	6-719-529-01	s IC AT32UC3A0128-ALUR
IC1907	6-716-354-01	s IC W9864G6JH-6-ER10
Q1901	6-551-667-01	s TR SSM3K16FV(TL3S
Q1902	8-729-013-28	s TR HN1B01FU
R1901	1-218-990-81	s CONDUCTOR, CHIP (1005)
R1902	1-218-965-81	s RES, CHIP 10K 1005
R1903	1-218-943-81	s RES, CHIP 150
R1904	1-218-943-81	s RES, CHIP 150
R1905	1-218-943-81	s RES, CHIP 150
R1906	1-250-511-11	o RES, METAL FILM CHIP 4.7K(1005)
R1907	1-250-519-11	s RES, METAL FILM CHIP 10K(1005)
R1908	1-250-511-11	o RES, METAL FILM CHIP 4.7K(1005)
R1909	1-218-943-81	s RES, CHIP 150
R1910	1-216-864-91	s CONDUCTOR, CHIP (1608)
R1911	1-216-864-91	s CONDUCTOR, CHIP (1608)
R1912	1-218-965-81	s RES, CHIP 10K 1005
R1914	1-218-977-81	s RES, CHIP 100K

(QD BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R1915	1-218-965-81	s RES, CHIP 10K 1005
R1916	1-218-965-81	s RES, CHIP 10K 1005
R1917	1-208-863-81	s RES, CHIP 100 (1005)
R1918	1-208-863-81	s RES, CHIP 100 (1005)
R1919	1-208-863-81	s RES, CHIP 100 (1005)
R1920	1-208-863-81	s RES, CHIP 100 (1005)
R1921	1-208-863-81	s RES, CHIP 100 (1005)
R1922	1-208-863-81	s RES, CHIP 100 (1005)
R1923	1-218-977-81	s RES, CHIP 100K
R1924	1-208-863-81	s RES, CHIP 100 (1005)
R1925	1-208-863-81	s RES, CHIP 100 (1005)
R1926	1-218-957-81	s RES, CHIP 2.2K
R1927	1-218-957-81	s RES, CHIP 2.2K
R1928	1-250-521-11	s RES, METAL FILM CHIP 12K(1005)
R1929	1-250-471-11	s RES, METAL FILM CHIP 100(1005)
R1930	1-218-990-81	s CONDUCTOR, CHIP (1005)
R1931	1-218-965-81	s RES, CHIP 10K 1005
R1932	1-218-933-81	s RES, CHIP 22
R1935	1-218-965-81	s RES, CHIP 10K 1005
R1937	1-218-990-81	s CONDUCTOR, CHIP (1005)
R1939	1-218-955-81	s RES, CHIP 1.5K
R1940	1-218-990-81	s CONDUCTOR, CHIP (1005)
R1942	1-218-933-81	s RES, CHIP 22
R1943	1-218-935-81	s RES, CHIP 33
R1946	1-218-933-81	s RES, CHIP 22
R1947	1-218-933-81	s RES, CHIP 22
R1948	1-218-943-81	s RES, CHIP 150
R1949	1-218-943-81	s RES, CHIP 150
R1950	1-218-935-81	s RES, CHIP 33
R1951	1-218-965-81	s RES, CHIP 10K 1005
R1952	1-218-941-81	s RES, CHIP 100
R1953	1-218-990-81	s CONDUCTOR, CHIP (1005)
R1954	1-218-990-81	s CONDUCTOR, CHIP (1005)
R1955	1-218-990-81	s CONDUCTOR, CHIP (1005)
R1956	1-218-977-81	s RES, CHIP 100K
R1957	1-218-961-81	s RES, CHIP 4.7K
R1958	1-218-990-81	s CONDUCTOR, CHIP (1005)
R1959	1-218-990-81	s CONDUCTOR, CHIP (1005)
R1960	1-218-990-81	s CONDUCTOR, CHIP (1005)
R1961	1-218-941-81	s RES, CHIP 100
R1962	1-218-941-81	s RES, CHIP 100
R1963	1-218-941-81	s RES, CHIP 100
R1964	1-218-941-81	s RES, CHIP 100
R1965	1-218-941-81	s RES, CHIP 100
R1966	1-218-941-81	s RES, CHIP 100
R1967	1-218-961-81	s RES, CHIP 4.7K
R1968	1-218-961-81	s RES, CHIP 4.7K
R1969	1-218-977-81	s RES, CHIP 100K
R1970	1-218-973-81	s RES, CHIP 47K
R1971	1-218-973-81	s RES, CHIP 47K
R1972	1-218-953-81	s RES, CHIP 1.0K
R1973	1-218-973-81	s RES, CHIP 47K
T1901	1-445-955-11	o PULSE TRANSFORMER
X1901	1-814-304-11	s VIBRATOR, CRYSTAL (12 MHZ)

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 U BOARD  
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Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1971-333-A	s MOUNTED CIRCUIT BOARD, U
C41	1-116-079-11	s CAP, CERAMIC 10MF X6S 2012
C42	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C43	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C44	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C45	1-100-911-11	s CAP, CERAMIC 4.7MF X7R (3216)
CN41	1-820-286-11	o HEADER ASSEMBLY (PRINT PWB) 7P
FB41	1-400-331-21	s FERRITE, EMI (SMD) (1005)
FB42	1-400-331-21	s FERRITE, EMI (SMD) (1005)
FB43	1-400-331-21	s FERRITE, EMI (SMD) (1005)
IC41	6-600-665-01	s IC GP1UE27XK0VF
R41	1-218-937-81	s RES, CHIP 47
R42	1-218-941-81	s RES, CHIP 100
R43	1-218-961-81	s RES, CHIP 4.7K
R44	1-218-961-81	s RES, CHIP 4.7K
S41	1-570-504-12	s SWITCH, MICRO
SE41	1-490-064-11	s SENSOR 3 AXIAL ACCELERATION
VDR41	1-802-090-21	s VARISTOR, CHIP
VDR42	1-802-090-21	s VARISTOR, CHIP

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 V BOARD  
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Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1946-767-A	s MOUNTED CIRCUIT BOARD, V
C71	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
CN71	1-820-297-11	o HEADER ASSEMBLY (PRINT PWB) 3P
S71	1-570-504-12	s SWITCH, MICRO
TH71	Δ 1-804-949-11	s THERMISTOR, NTC (SMD)

### 3-4. Packing Materials & Supplied Accessories

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PACKING MATERIALS & SUPPLIED ACCESSORIES  
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\*1: [For SY]

\*2: [For CN]

Ref. No.

or Q'ty Part No. SP Description

1pc Δ 1-489-092-11 s REMOTE COMMANDER (RM-PJ19)

1pc \*1 Δ 1-839-054-12 s POWER-SUPPLY CORD SET (FOR J)

1pc \*2 Δ 1-839-058-11 s AC POWER-SUPPLY CORD

1pc 4-186-008-02 s CAP, PACKING

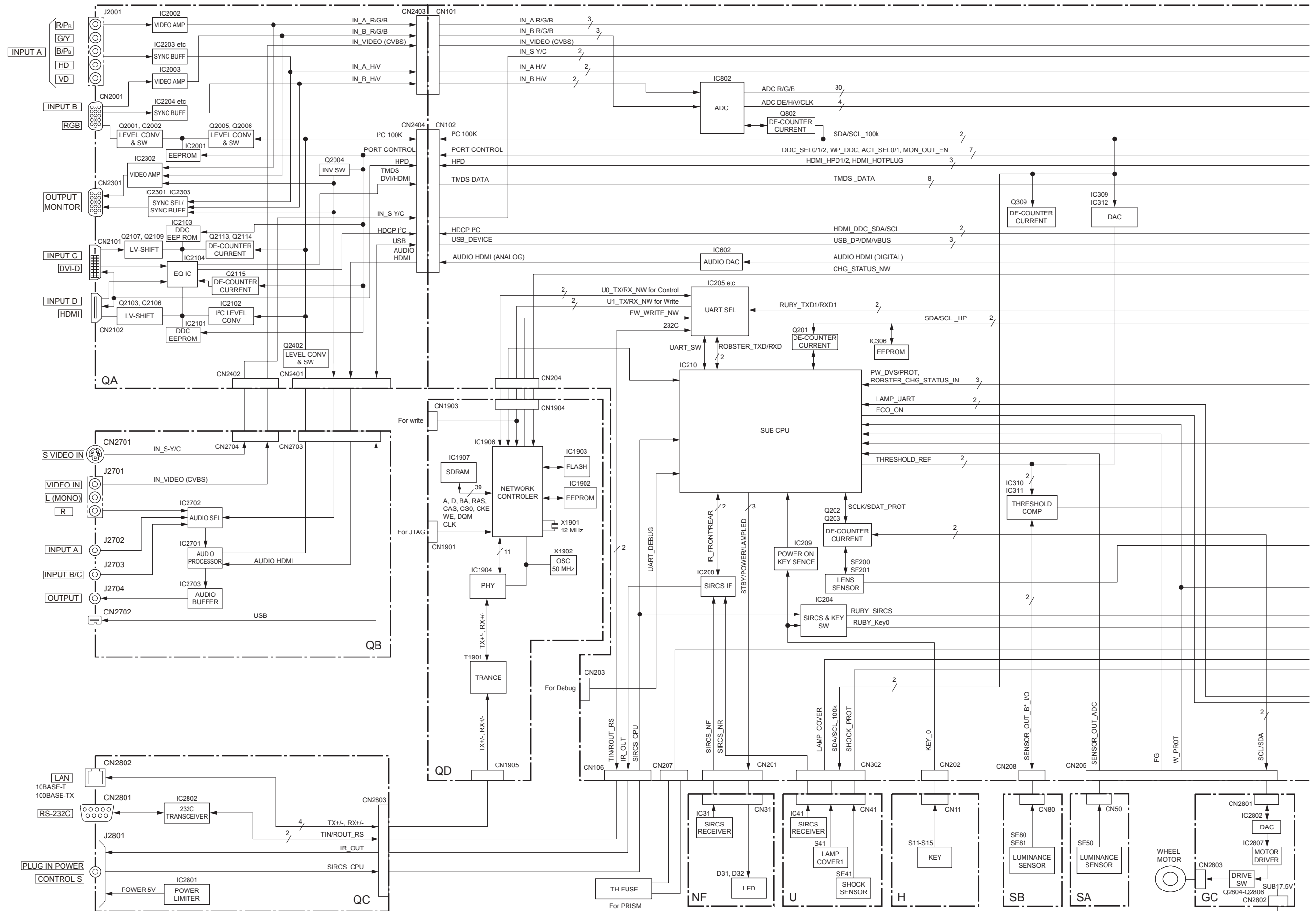
1pc 4-186-471-01 s SHEET (CAP)

1pc \*1 Δ 4-466-212-01 s PACK, CD-ROM  
MANUAL, INSTRUCTION  
(JAPANESE, ENGLISH, FRENCH, SPANISH,  
GERMAN, ITALIAN, SIMPLIFIED CHINESE,  
RUSSIAN)  
NOTICES FOR THE SOFTWARE LICENSE  
(JAPANESE, ENGLISH, FRENCH, SPANISH,  
GERMAN, ITALIAN, SIMPLIFIED CHINESE,  
RUSSIAN)

1pc \*2 Δ 4-485-565-01 s OPERATING INSTRUCTIONS  
(SIMPLIFIED CHINESE)

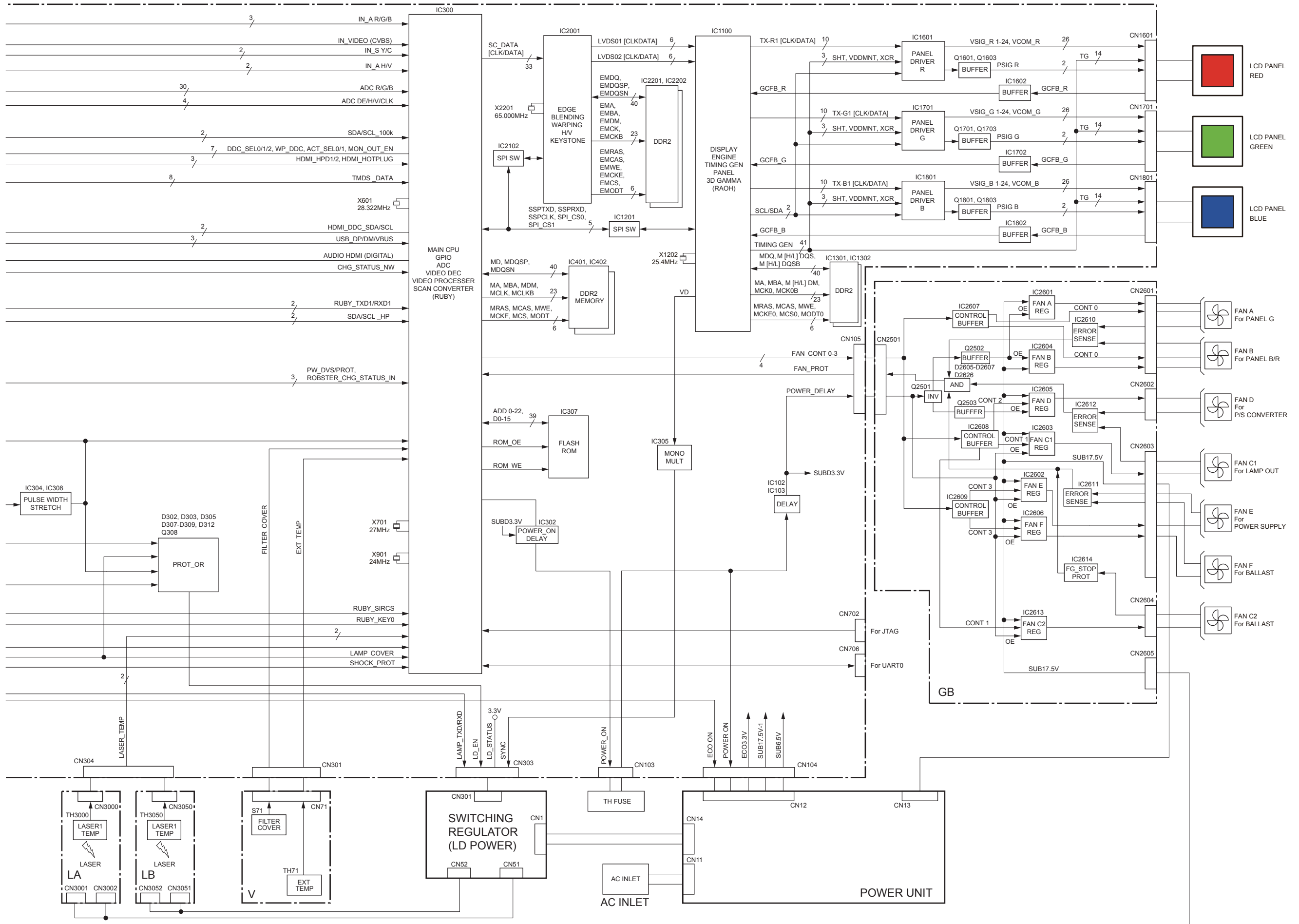
**Section 4**  
**Block Diagrams**

# Overall Overall





Overall Overall



Overall



## Section 5 Schematic Diagrams

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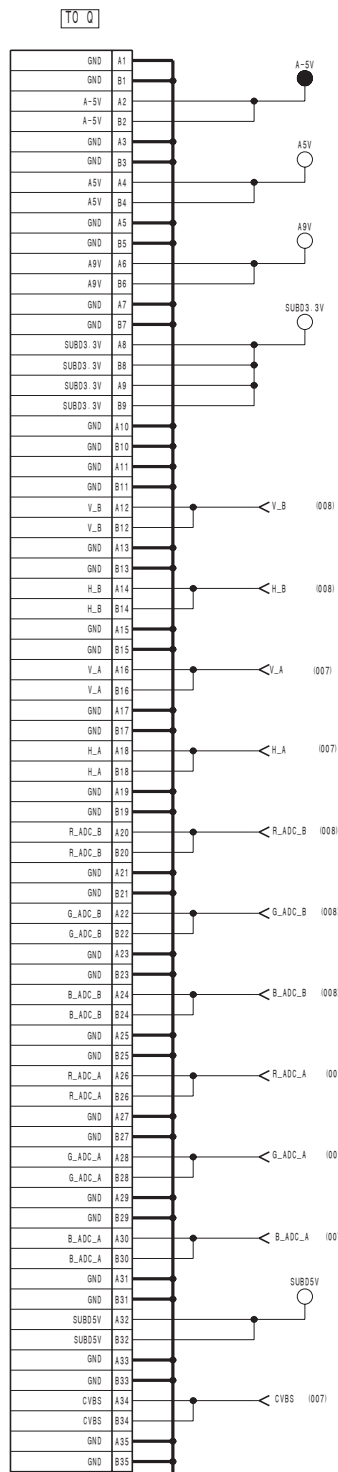
#### 注意

印の部品には、秘密情報が含まれています。  
修理の際は、指示に従った対応を行ってください。

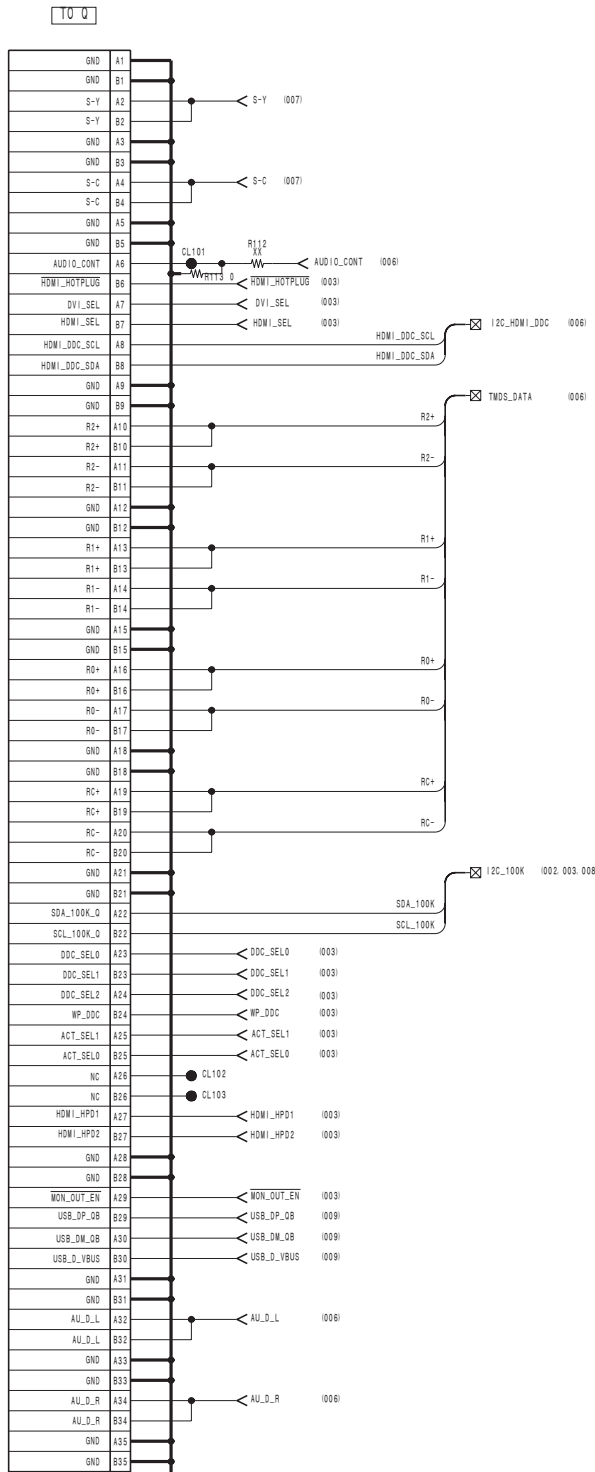
#### Note

The components identified by mark 印 contain confidential information.  
Strictly follow the instructions whenever the components are repaired  
and/or replaced.

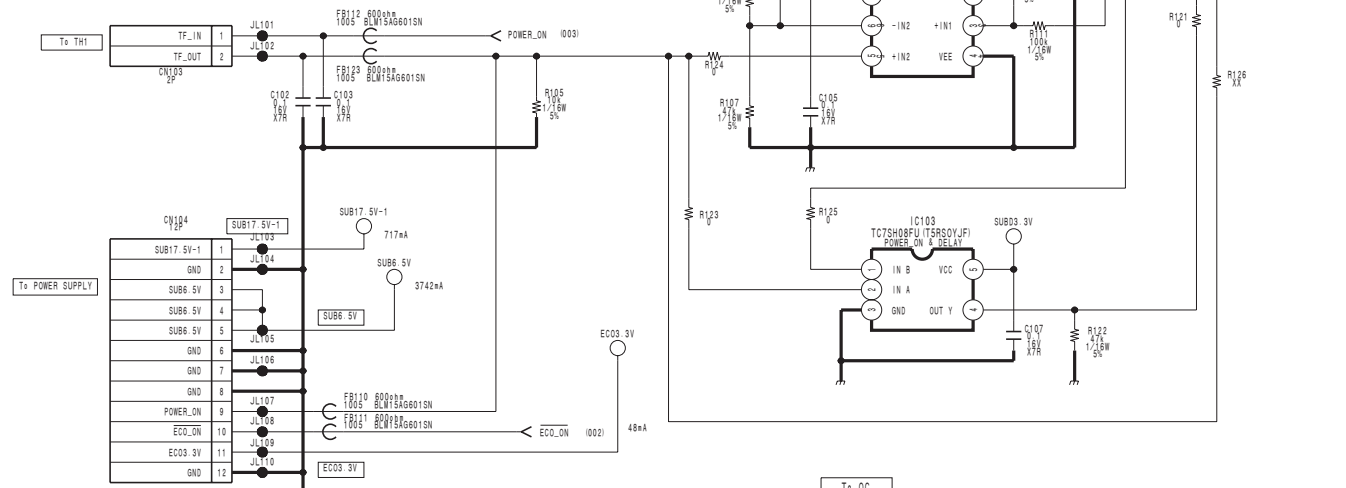
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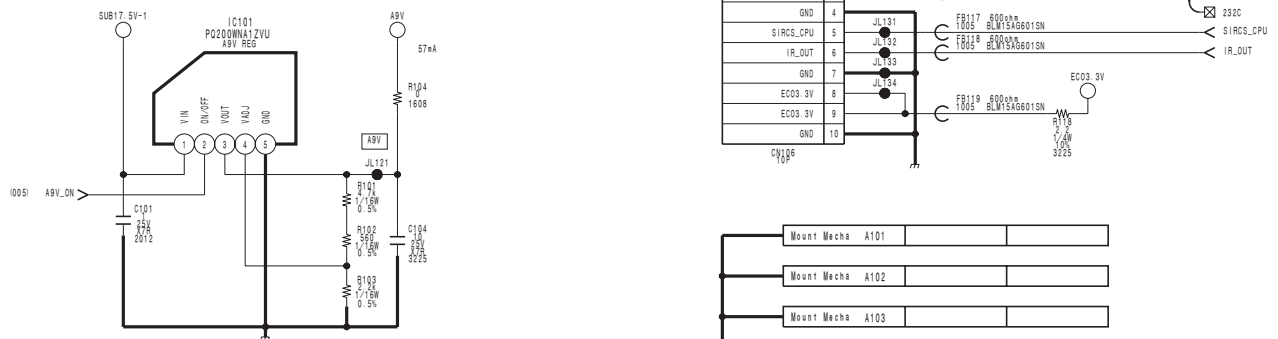
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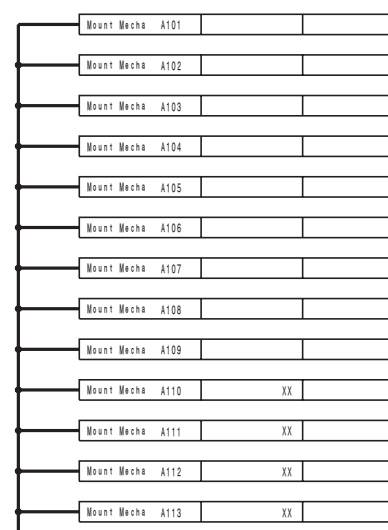
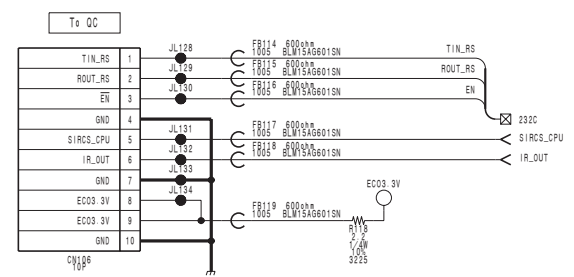
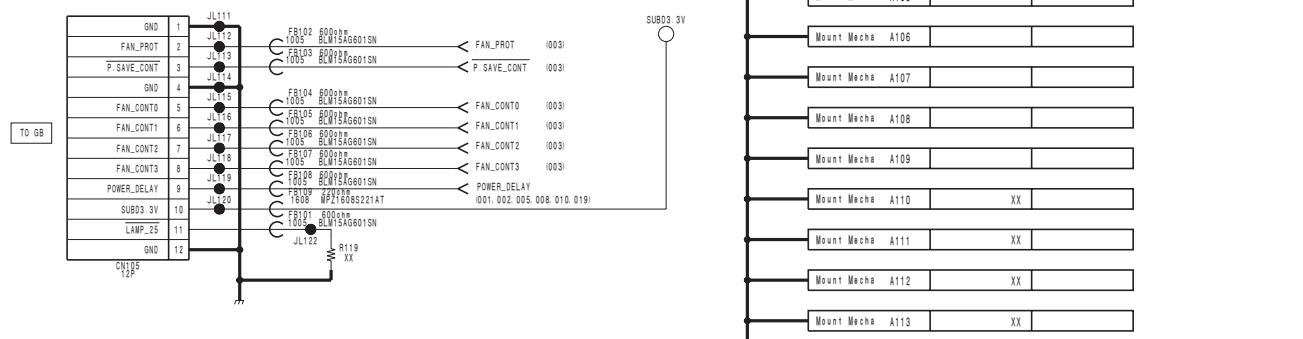
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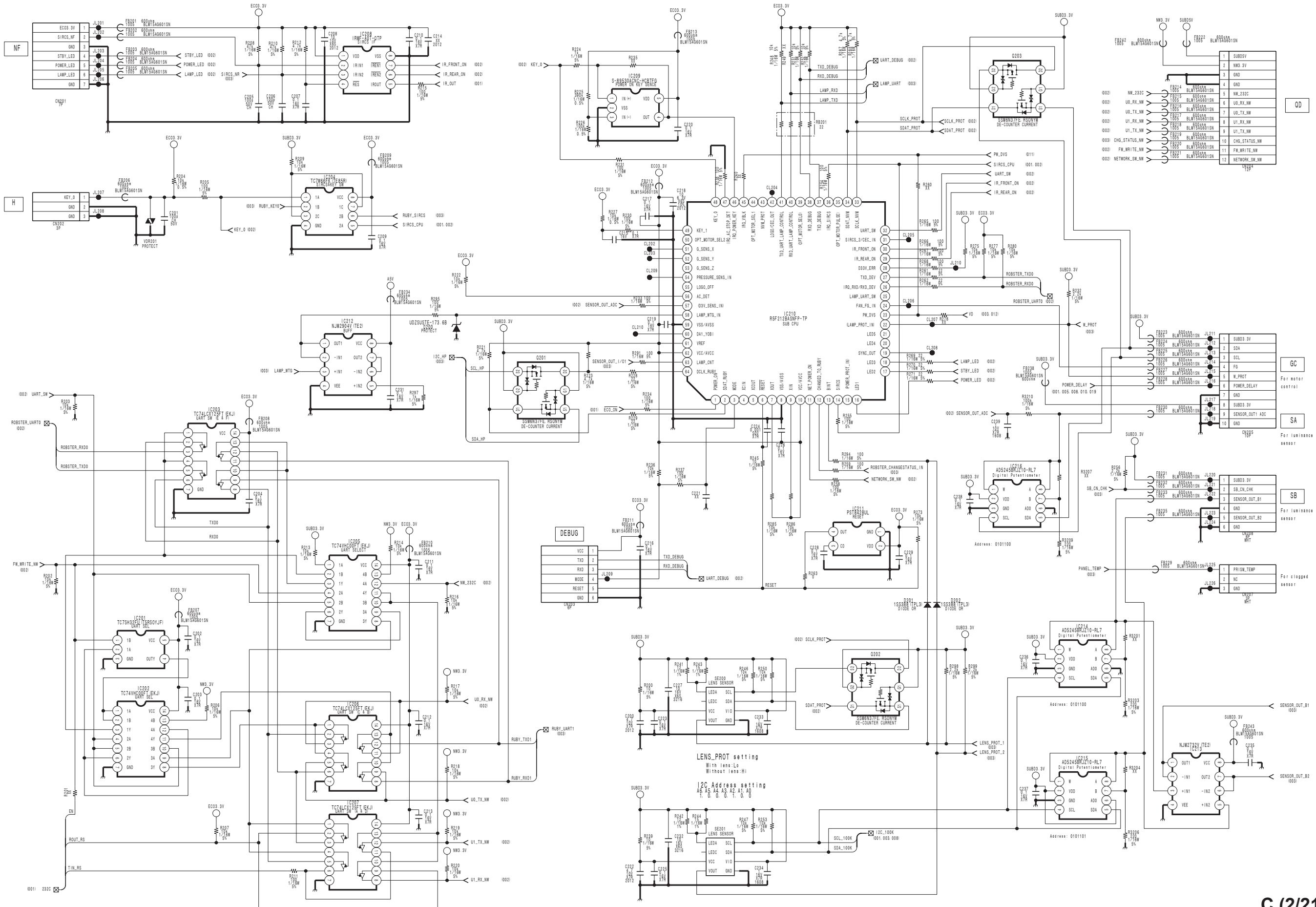


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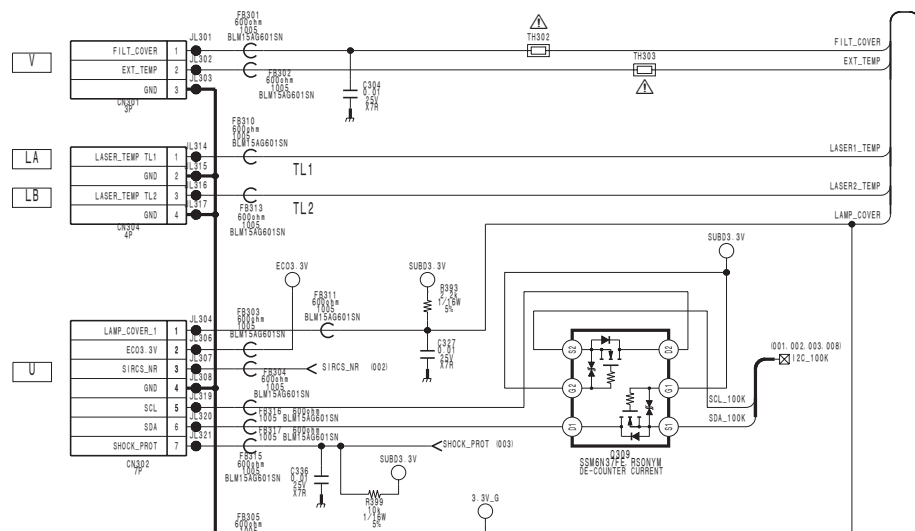


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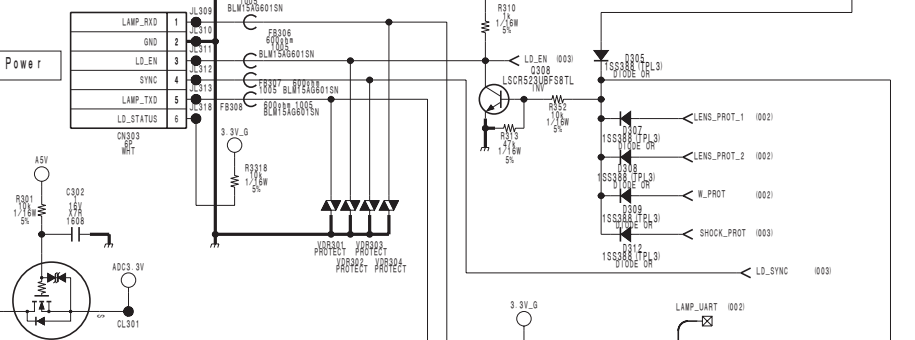




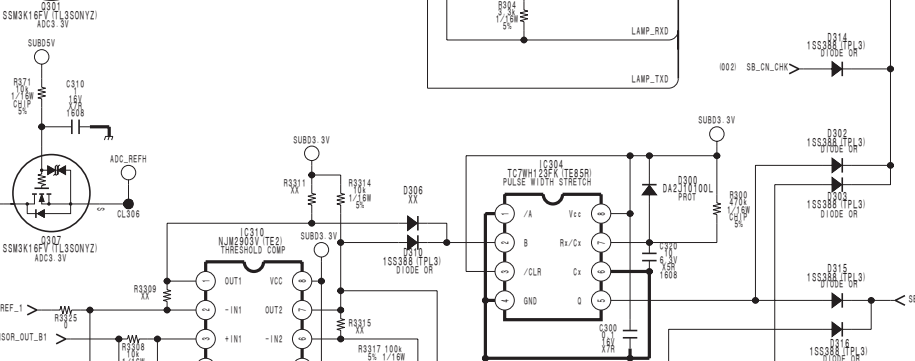
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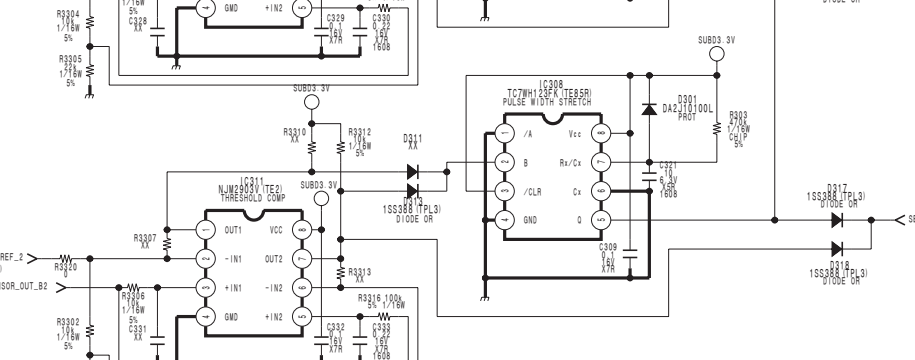
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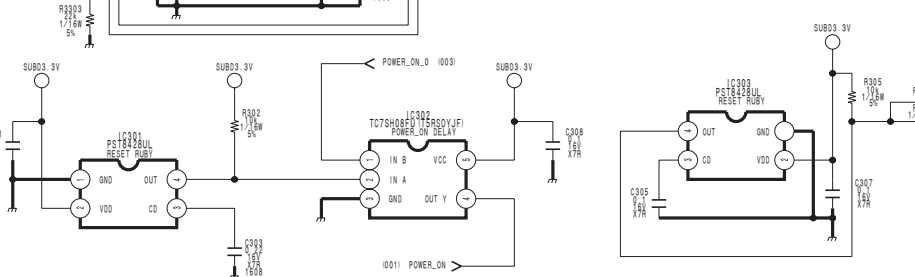
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4



5



A

B

C

5-4

D

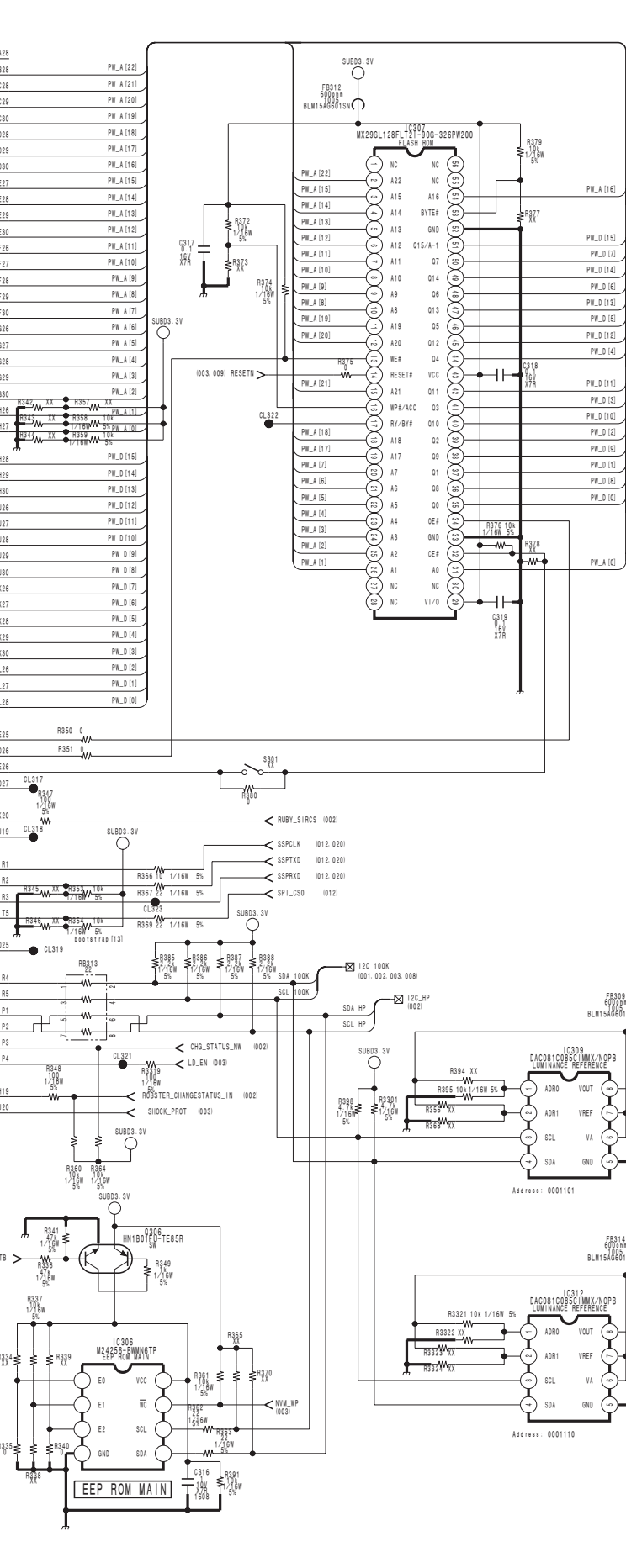
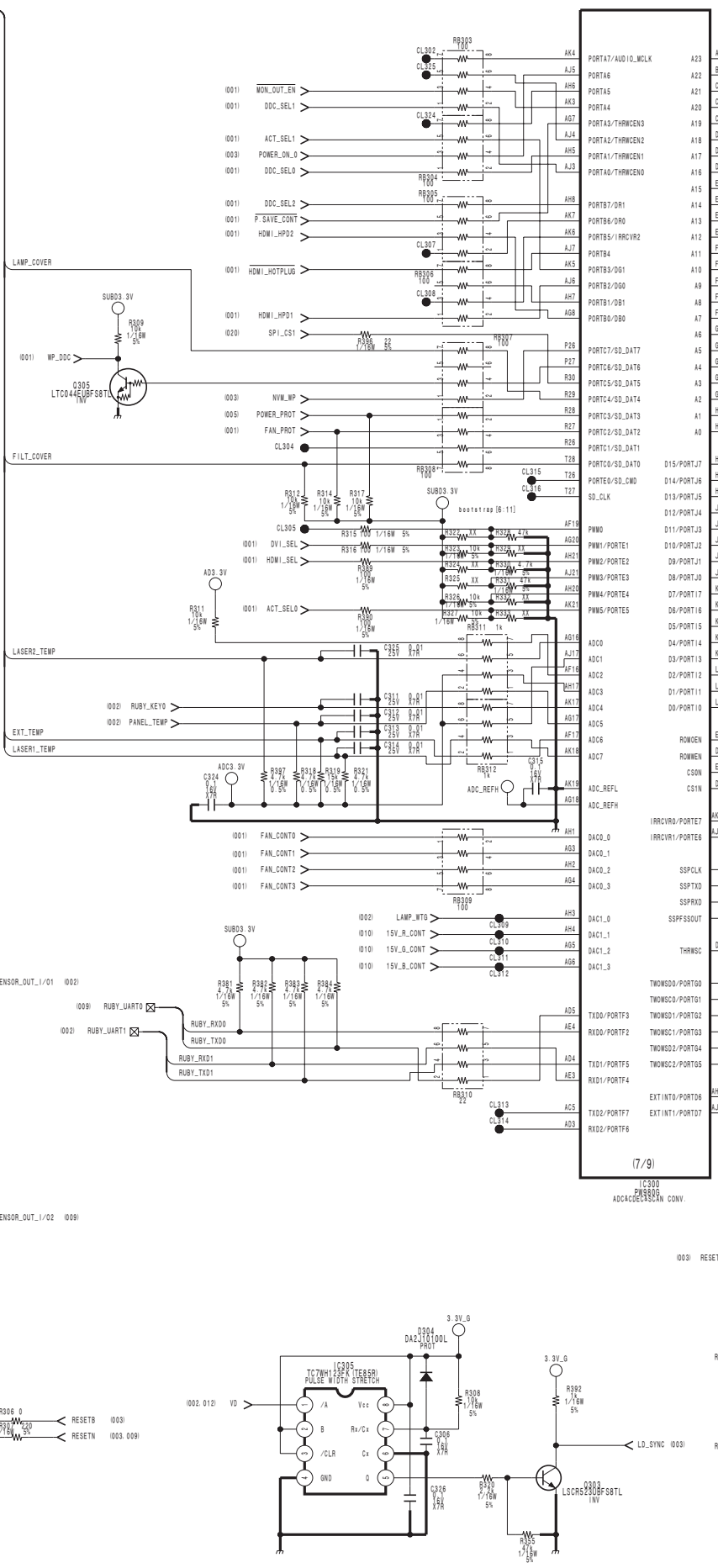
5-4

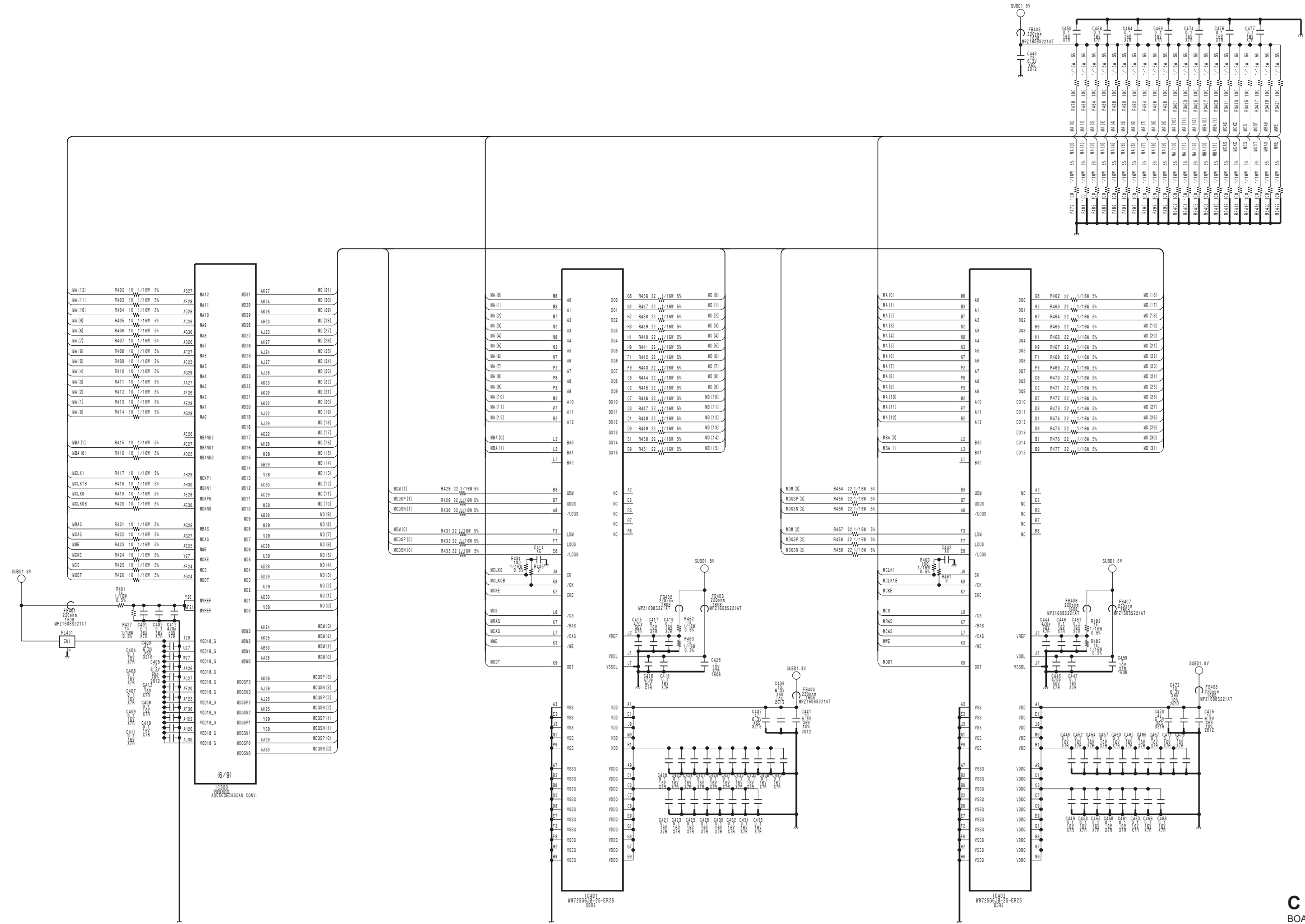
E

F

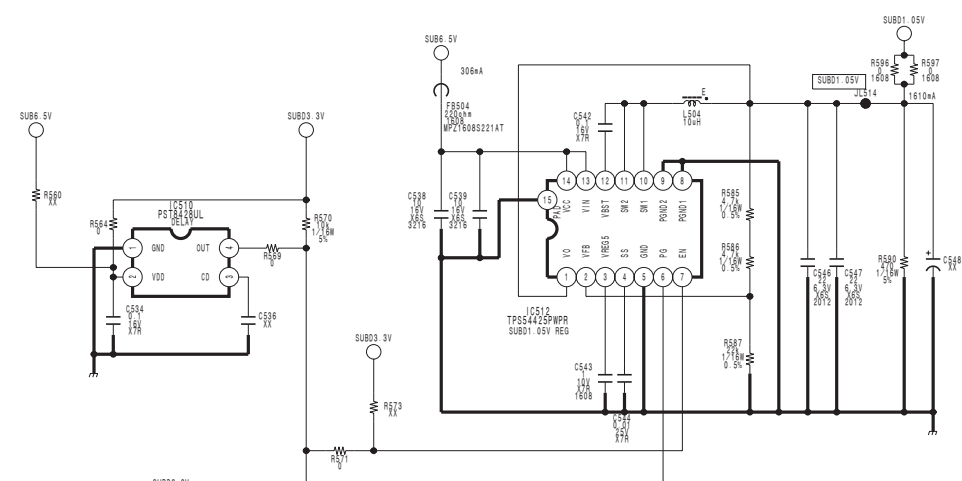
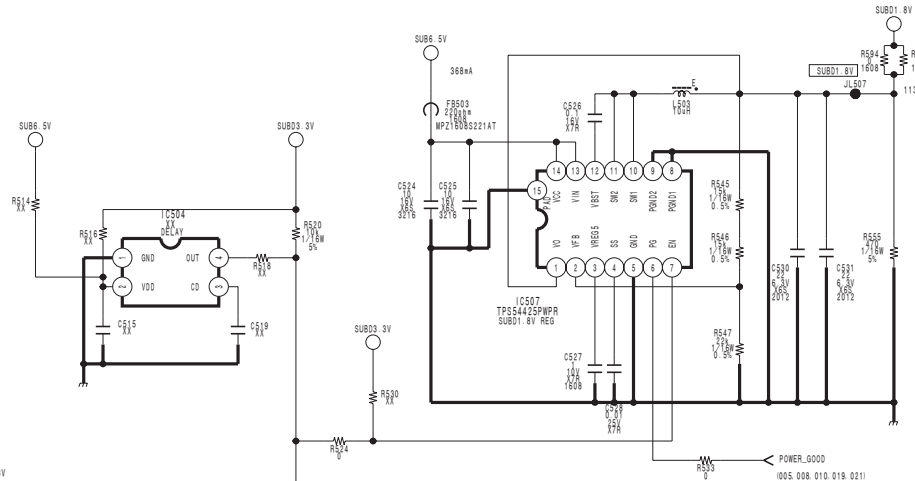
G

H

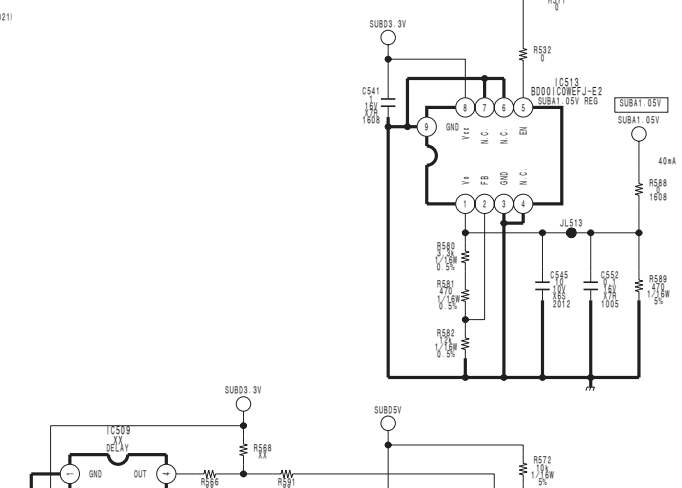
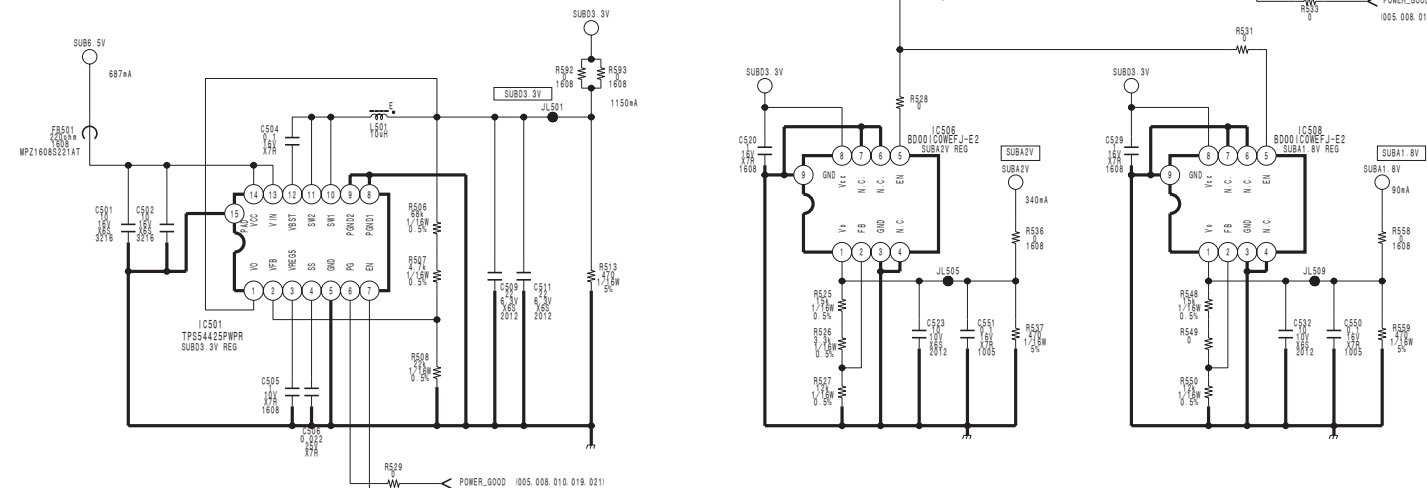




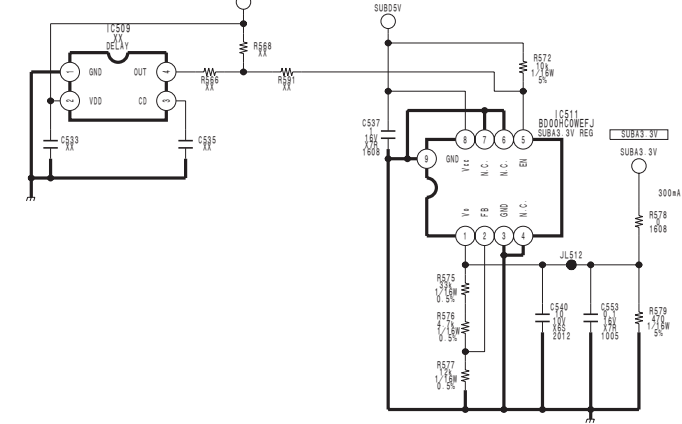
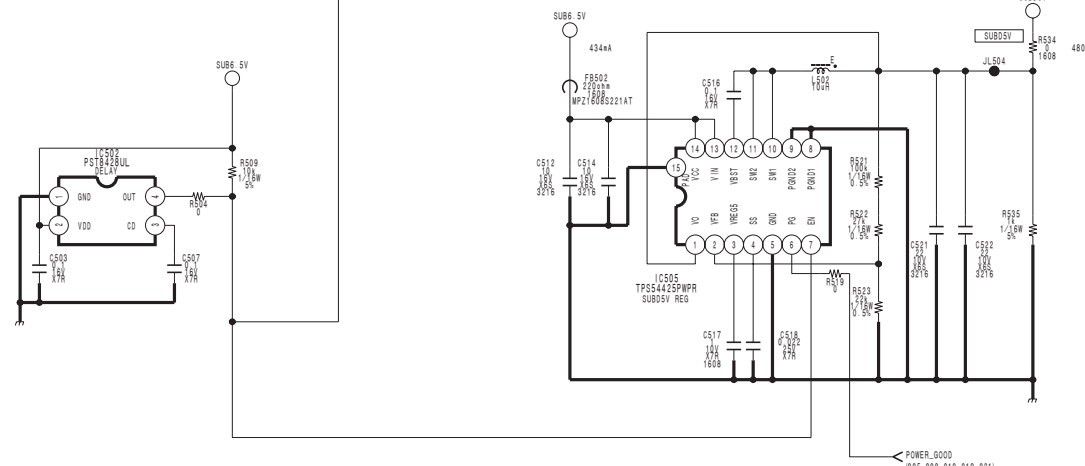
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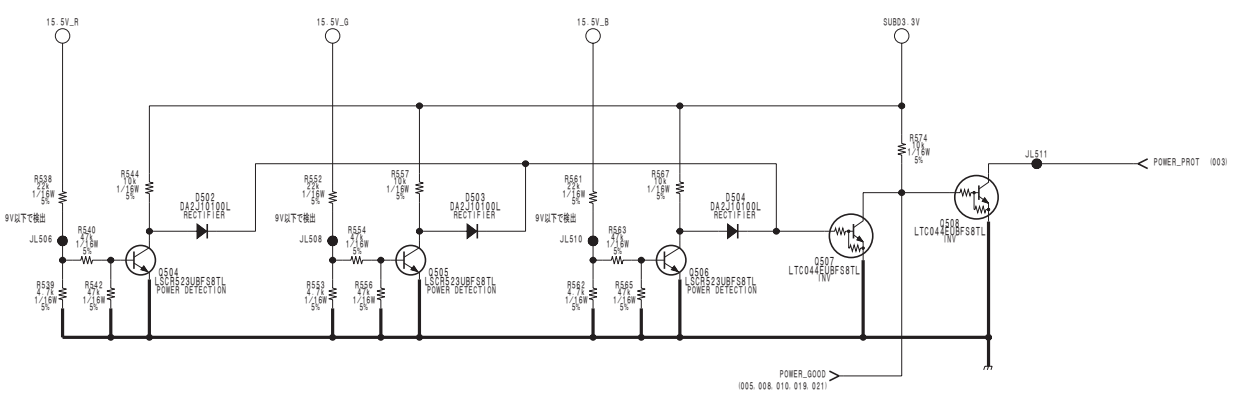
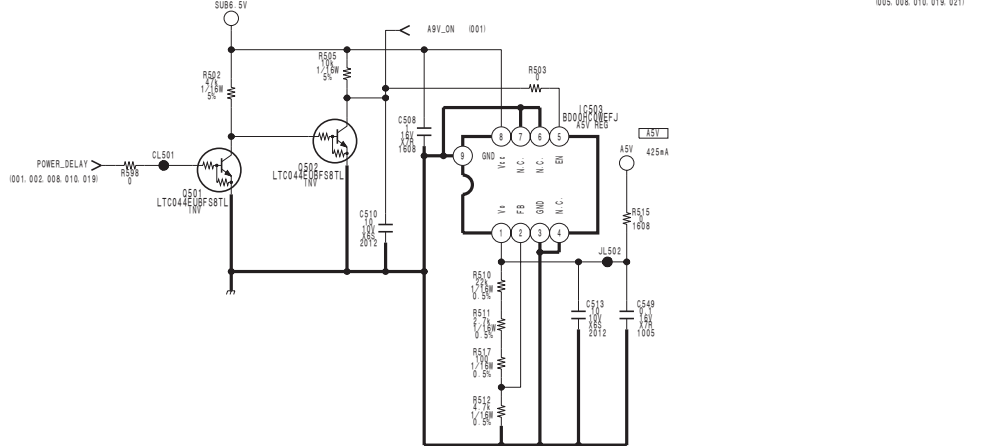
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3



4

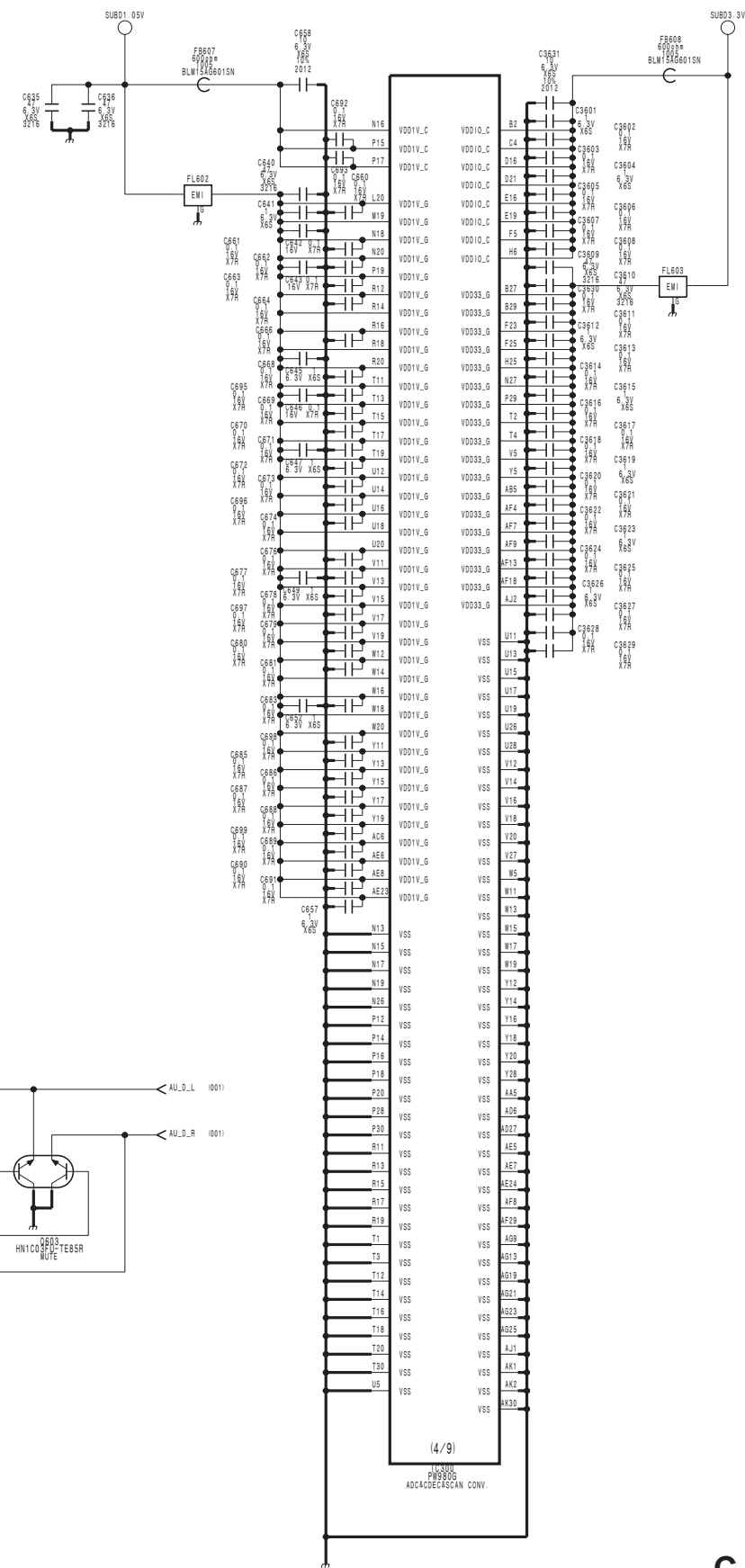
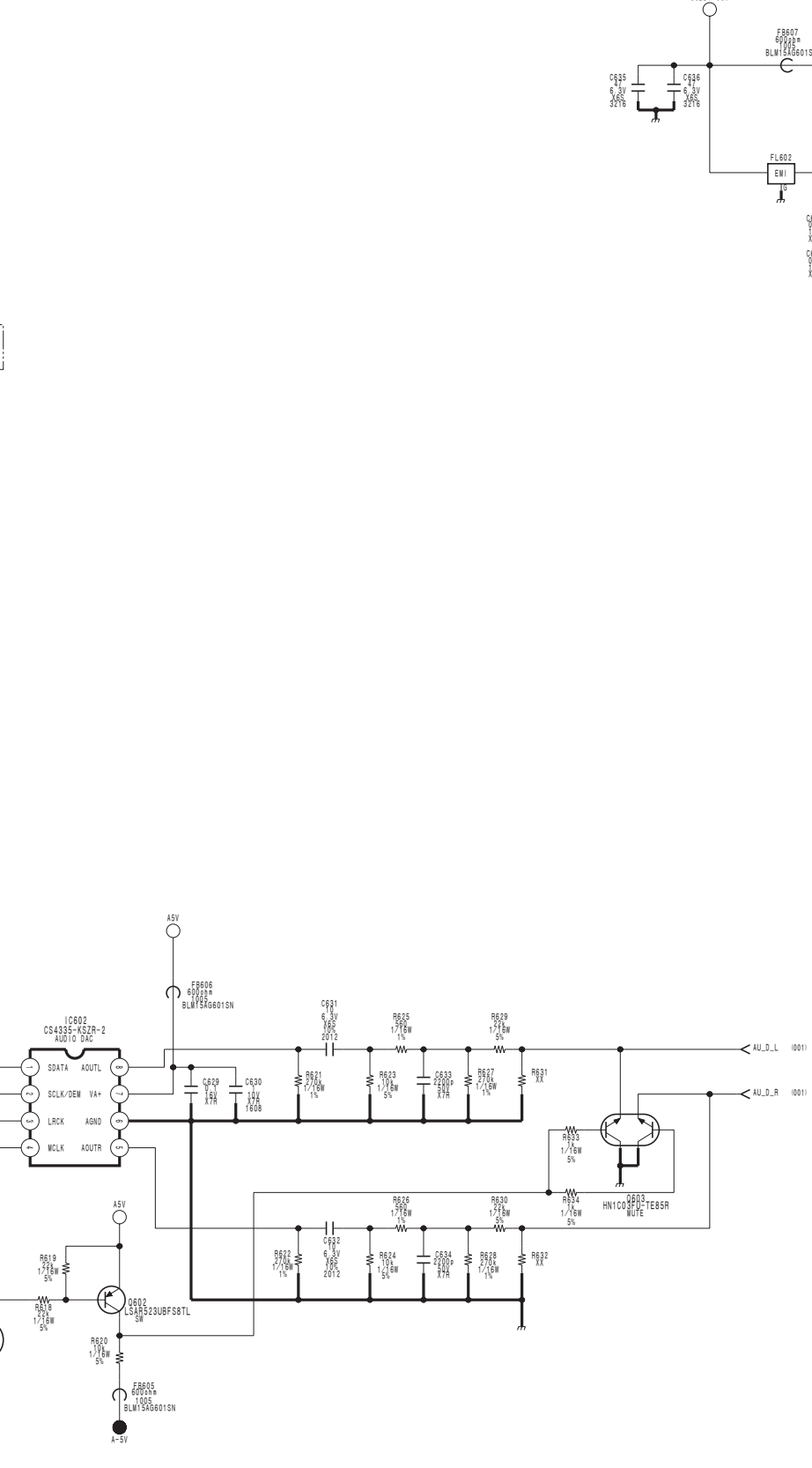
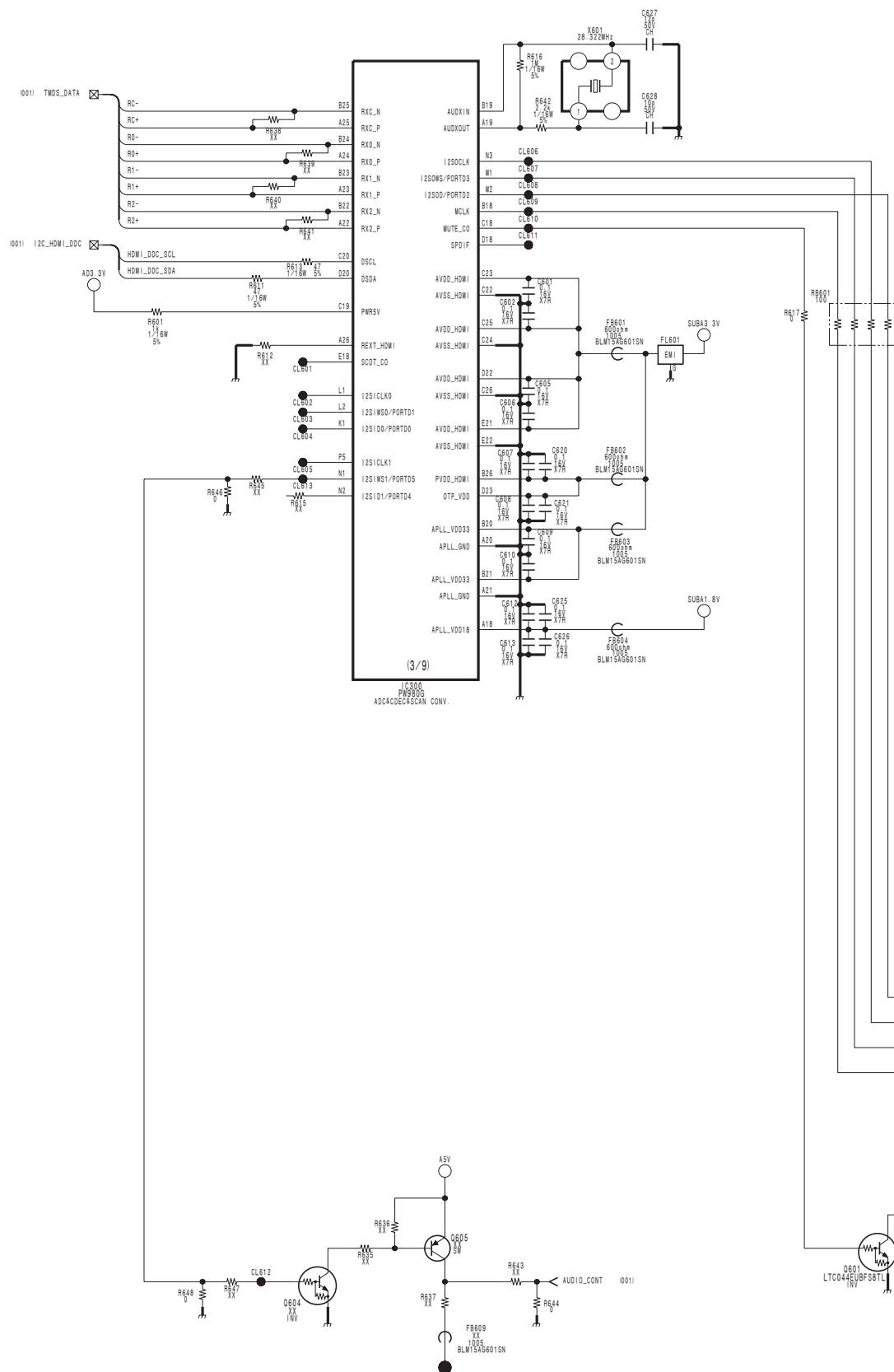


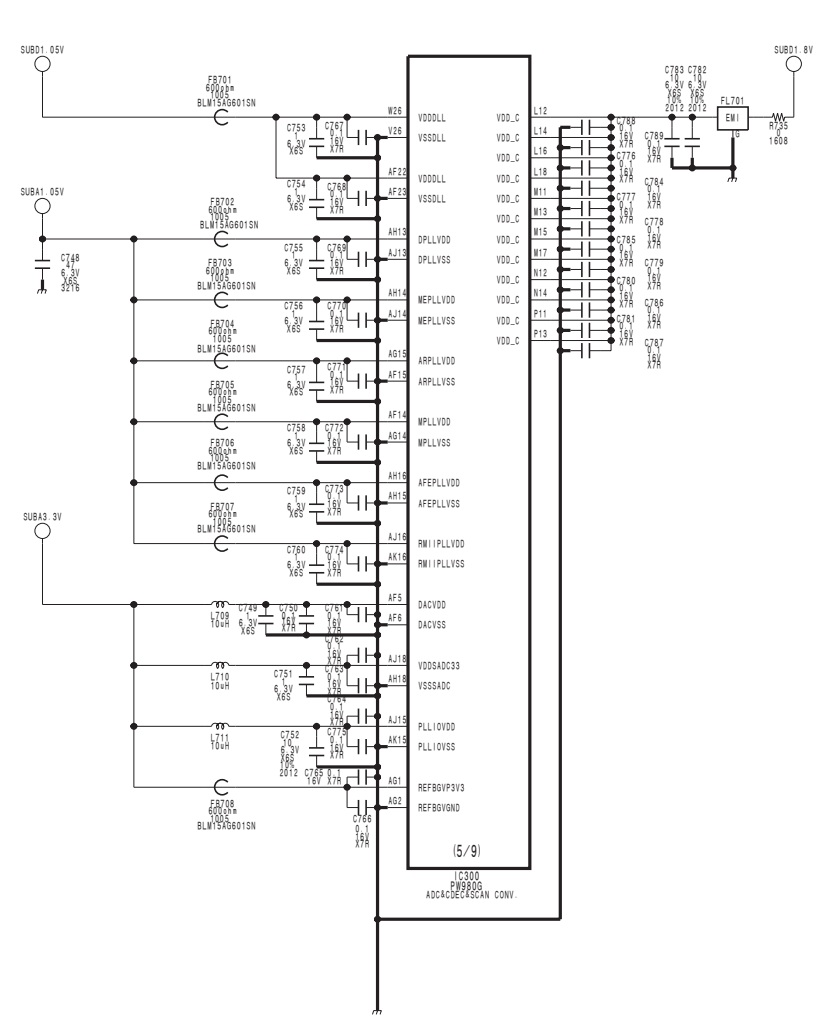
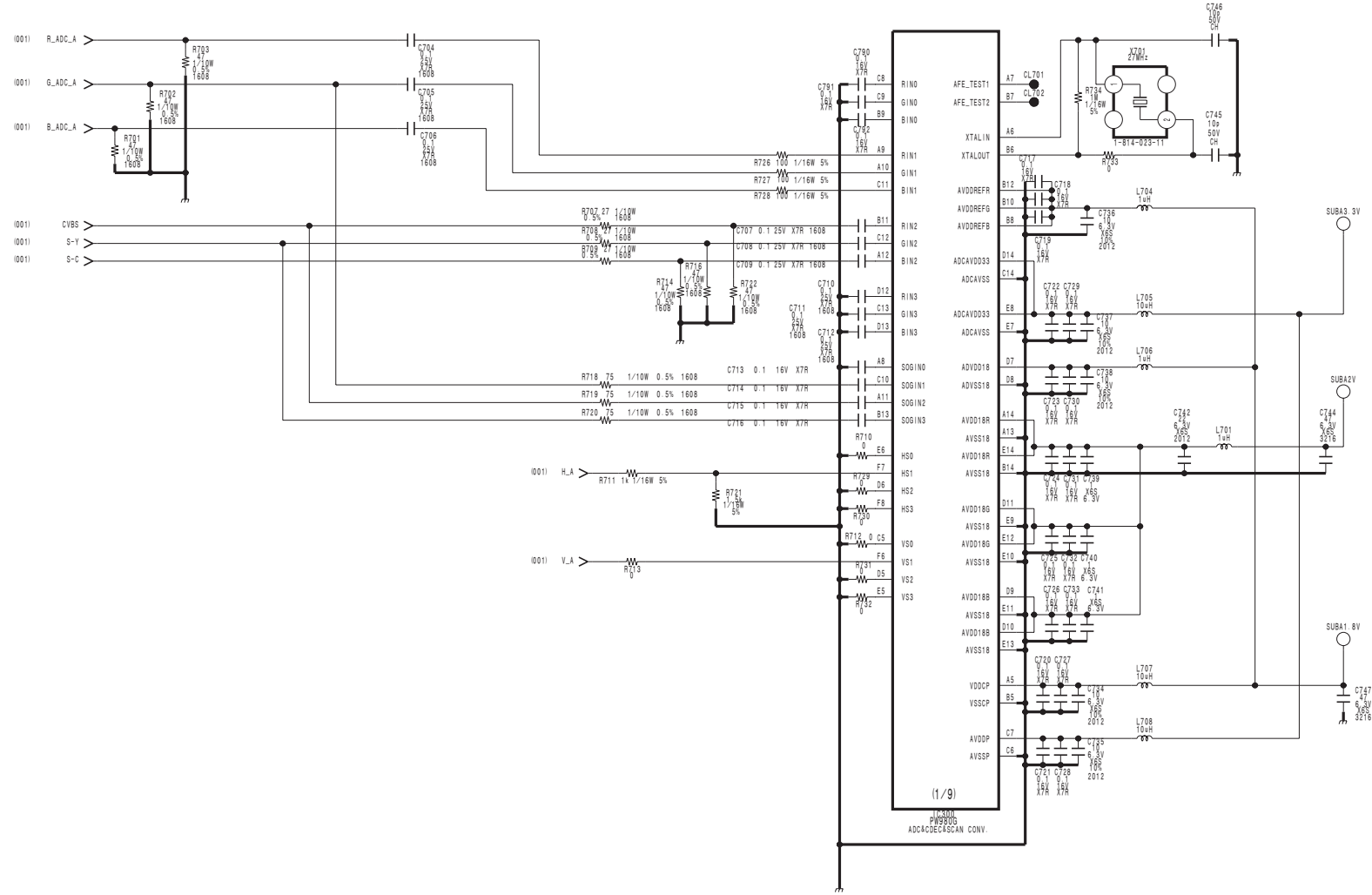
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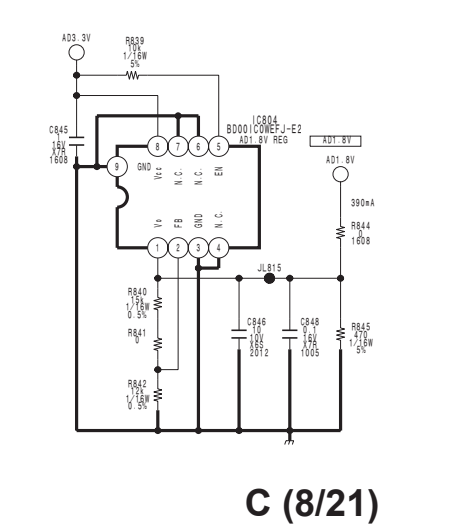
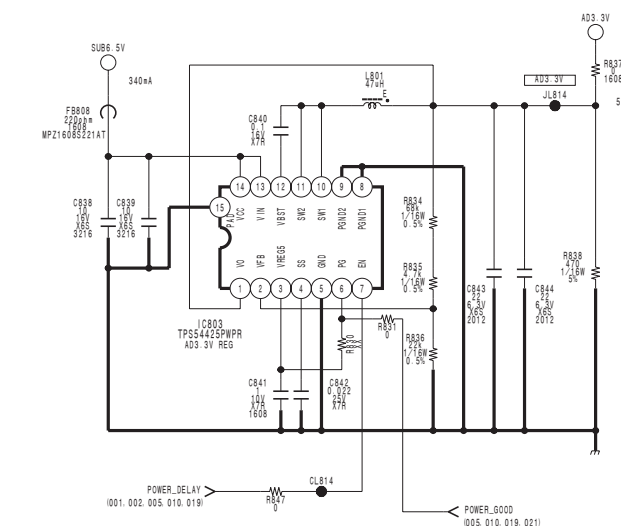
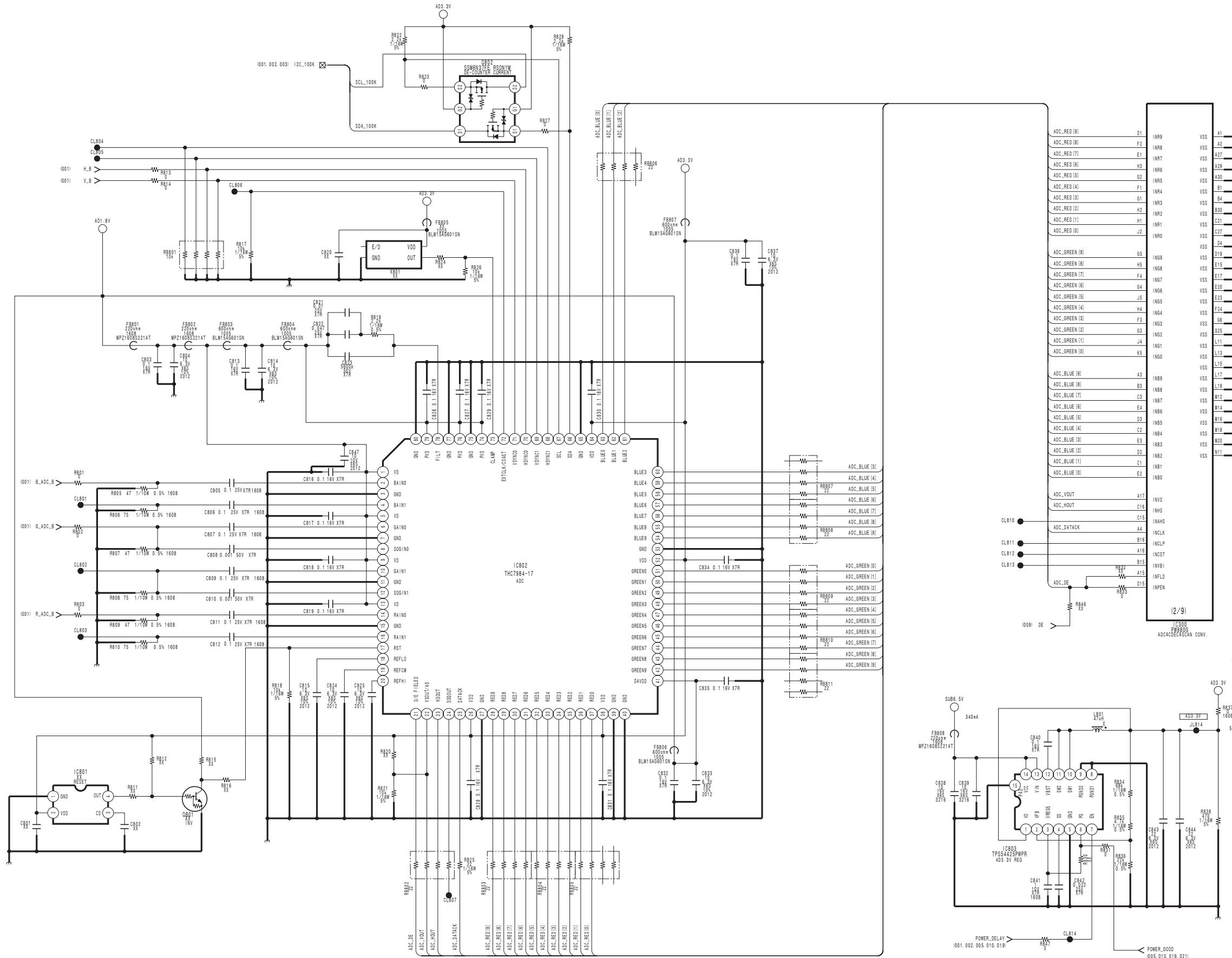


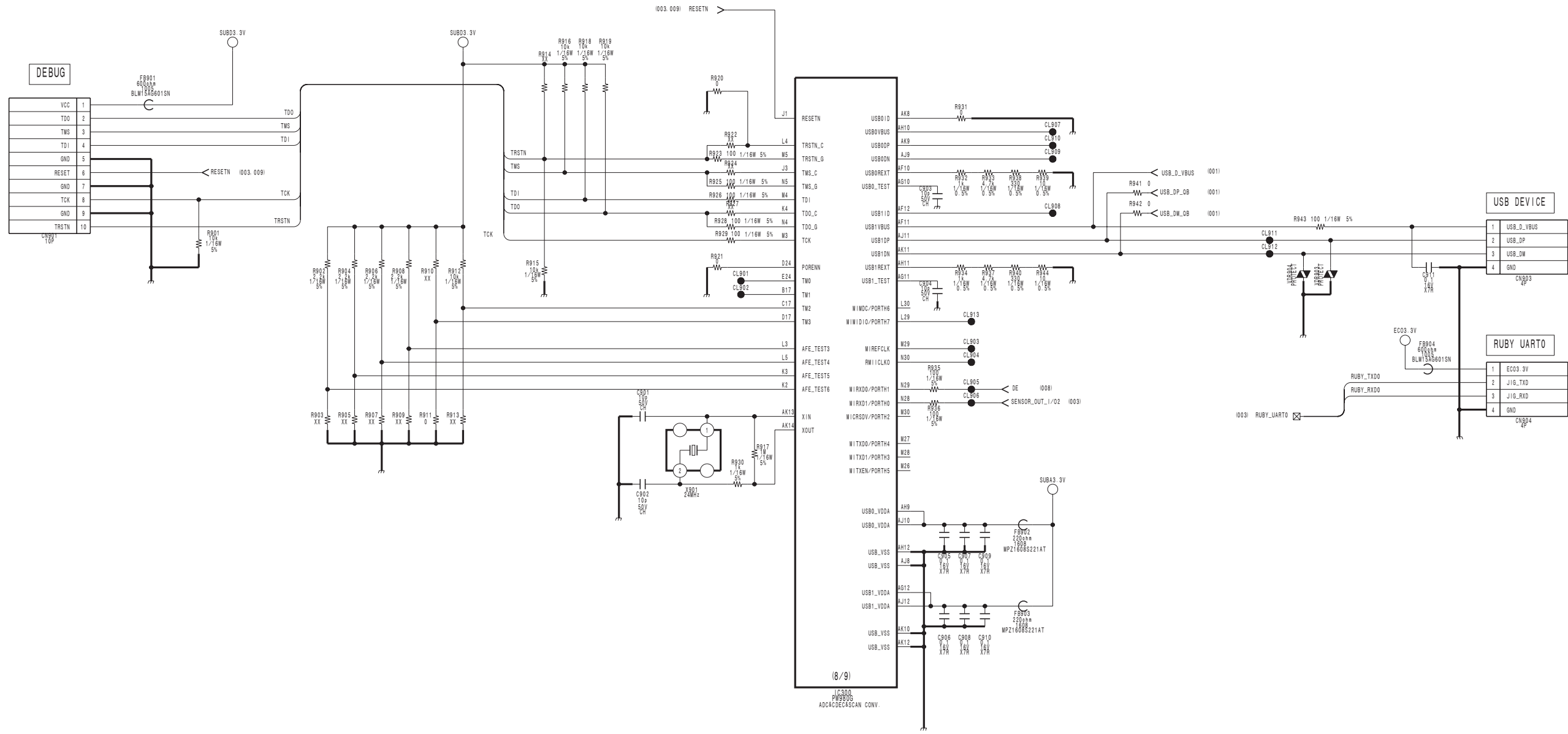
A B C D E F G H











1

2

3

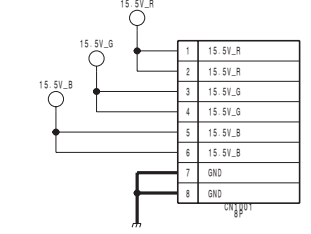
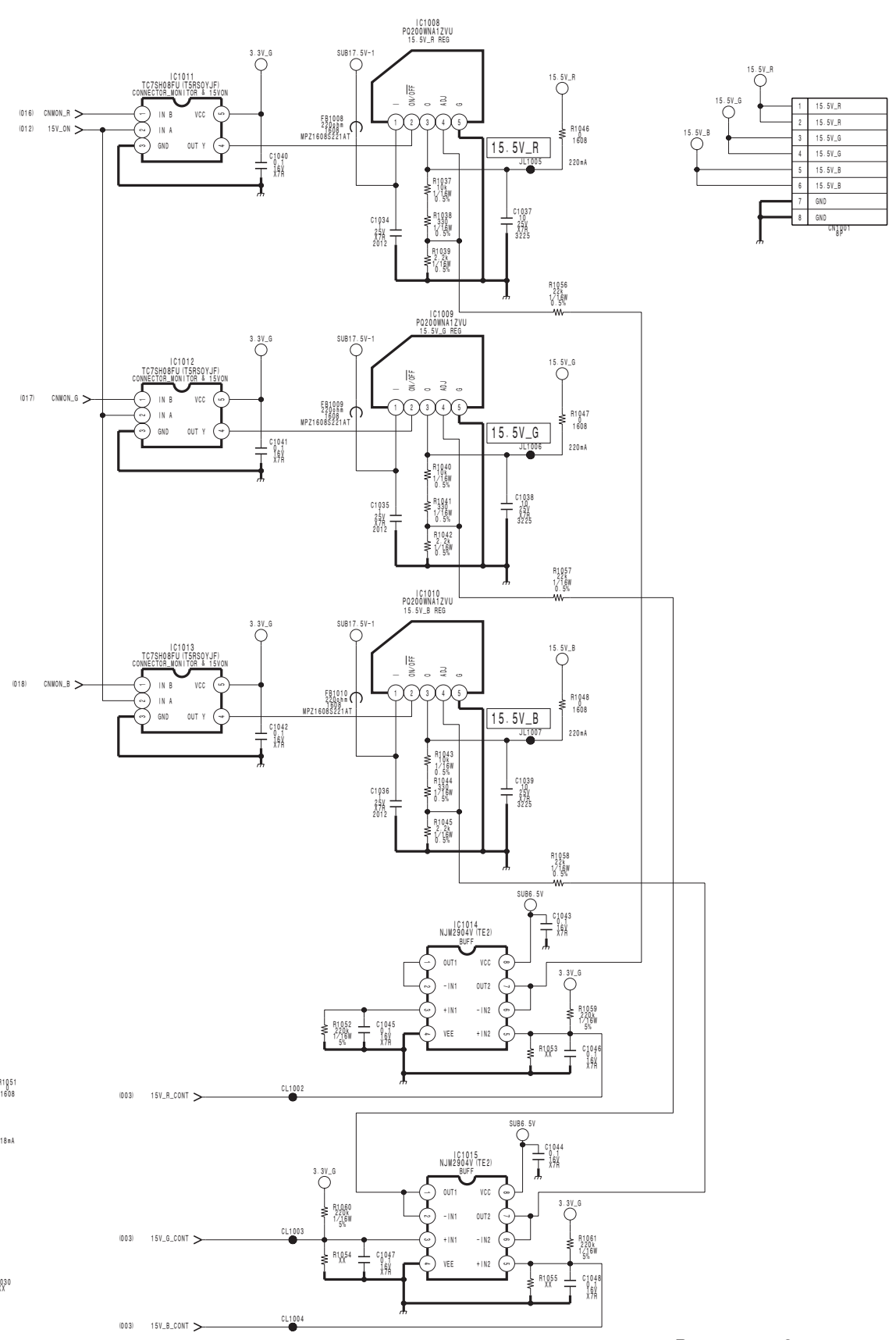
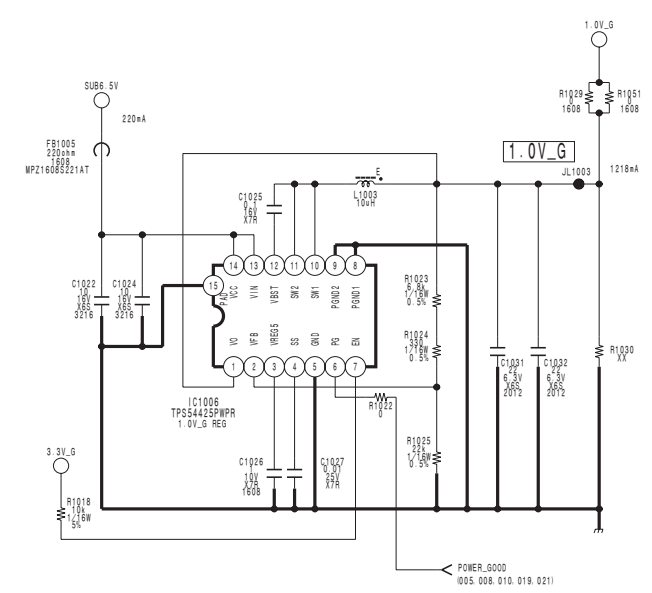
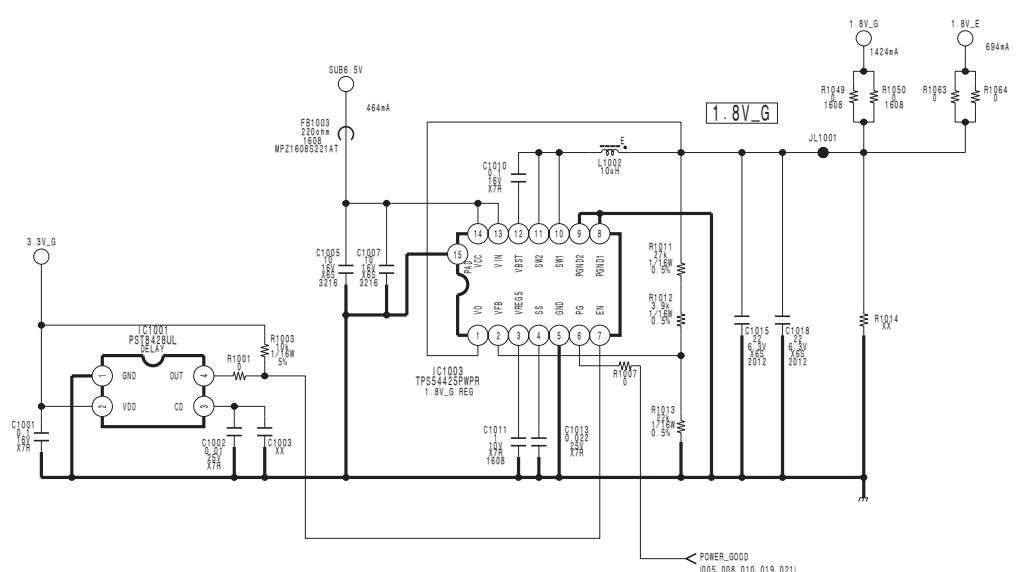
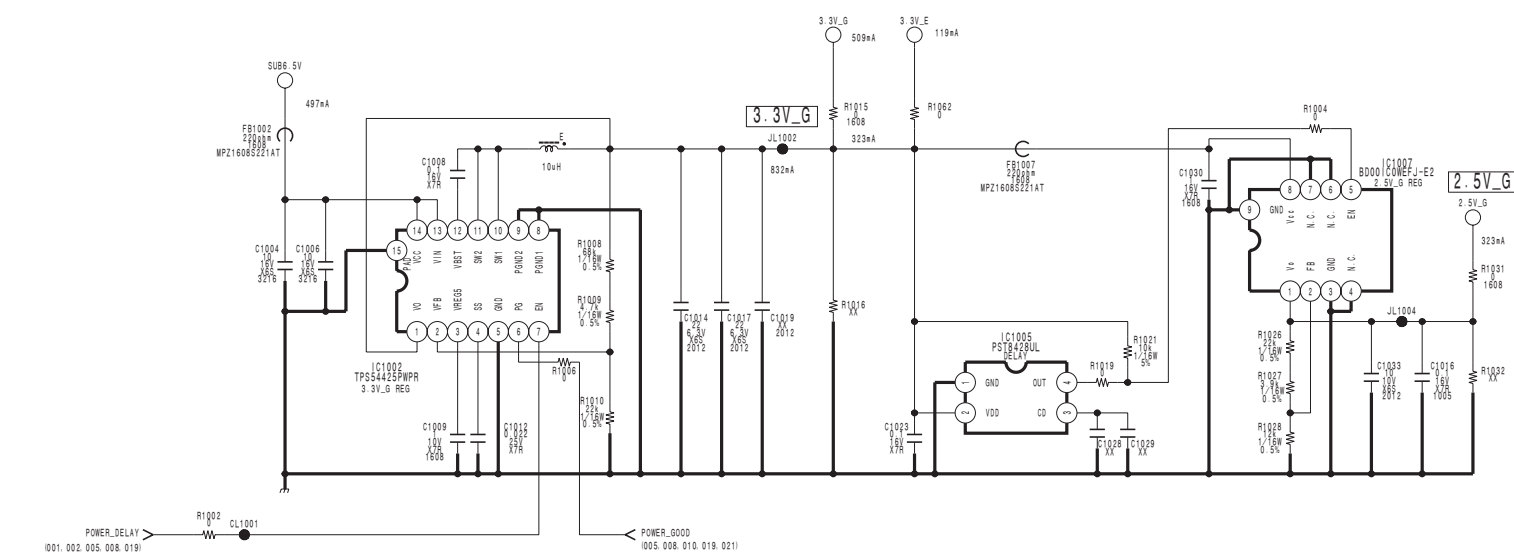
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5

5-10

5-10

A B C D E F G H



Power Supply

1

2

3

4

5

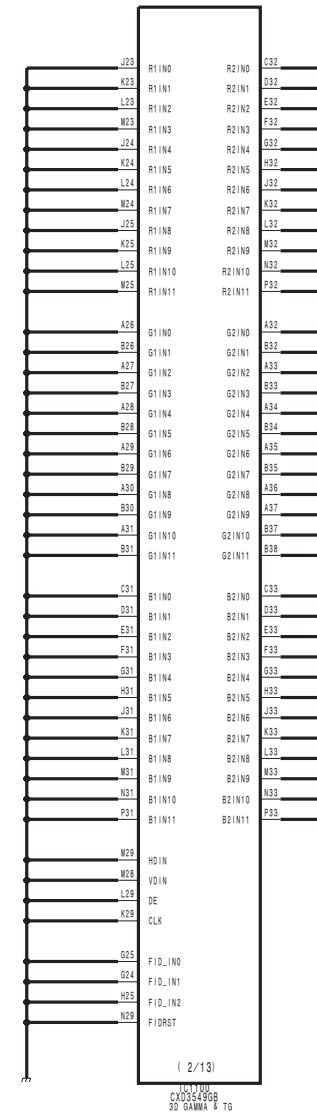
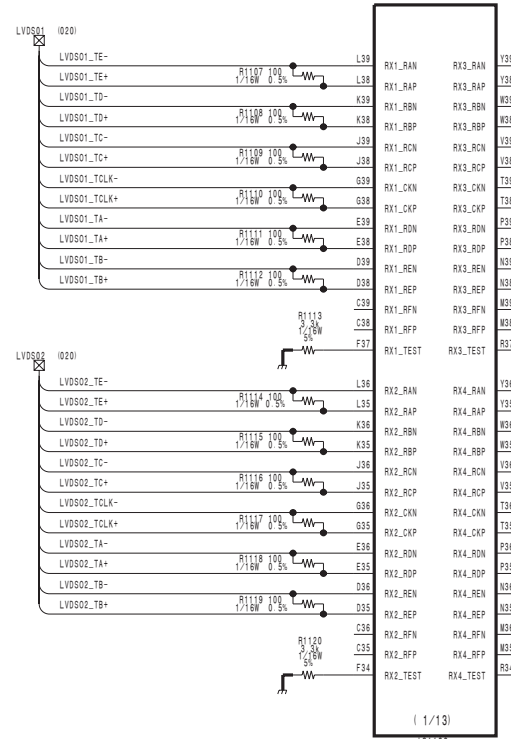
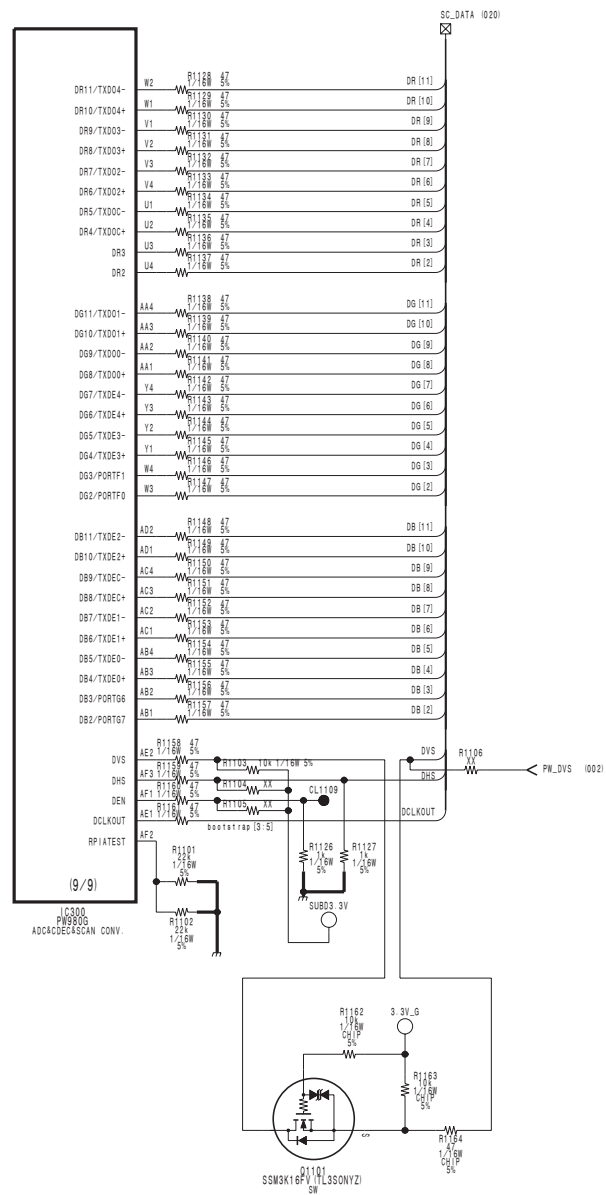
1

2

3

4

5



INPUT

A

B

C

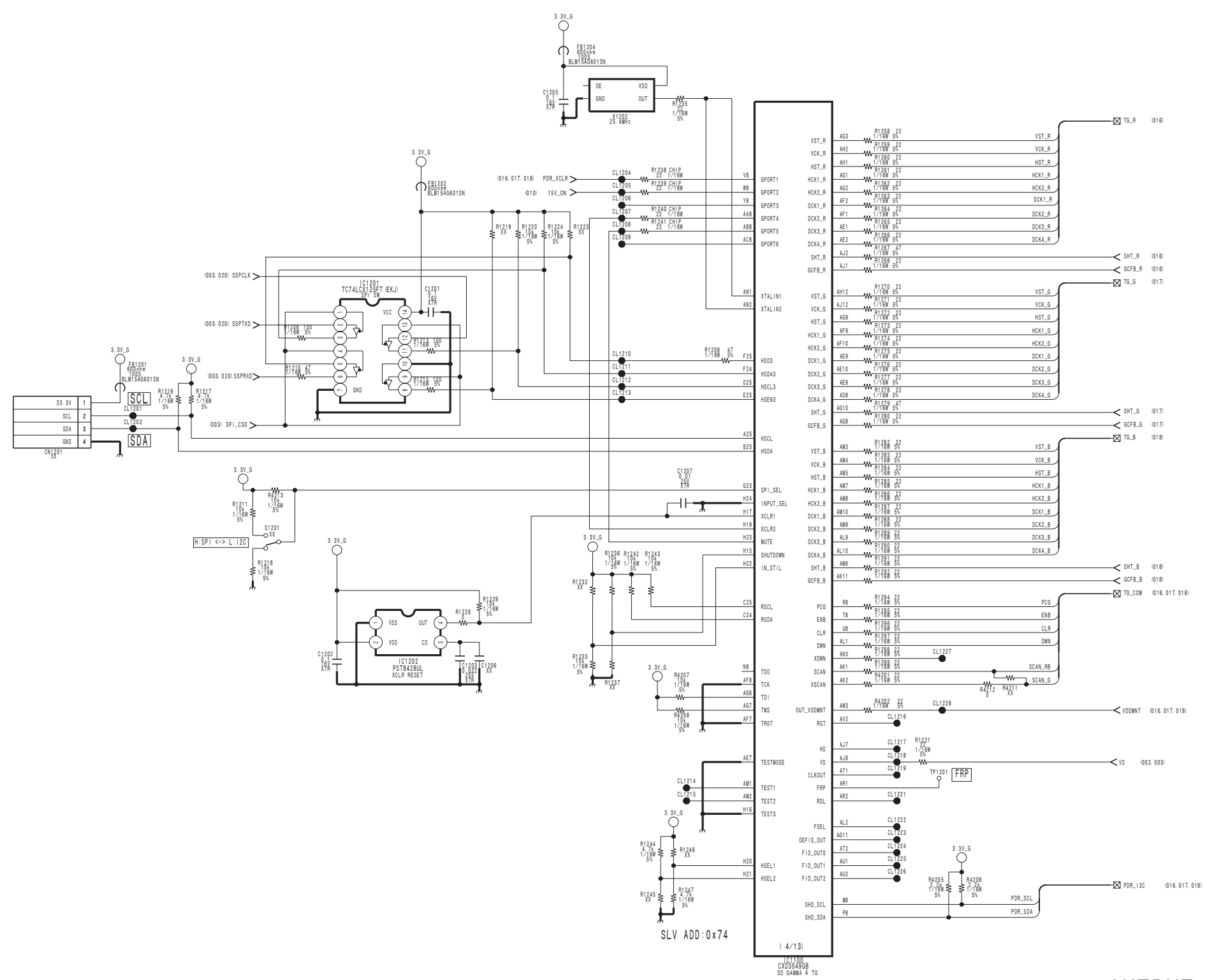
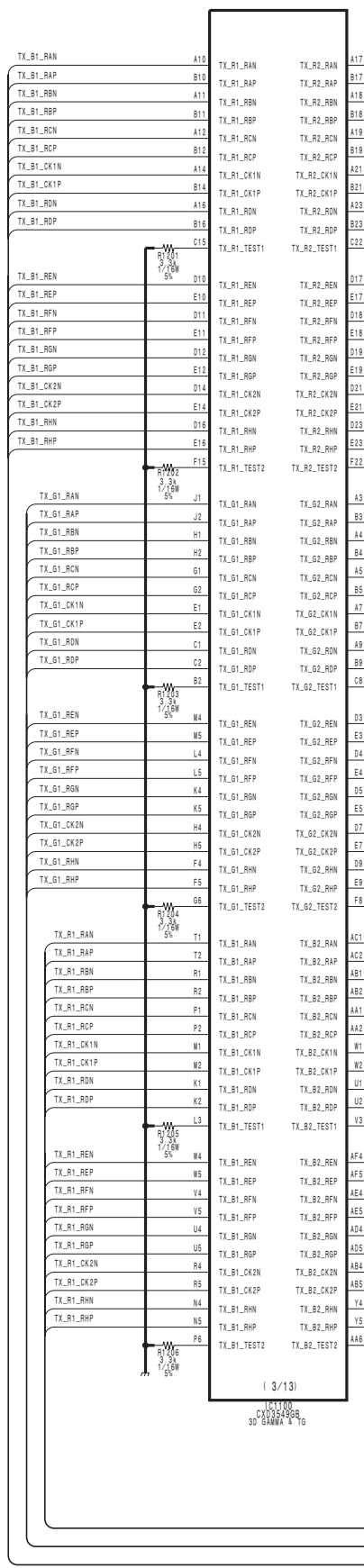
D

E

F

G

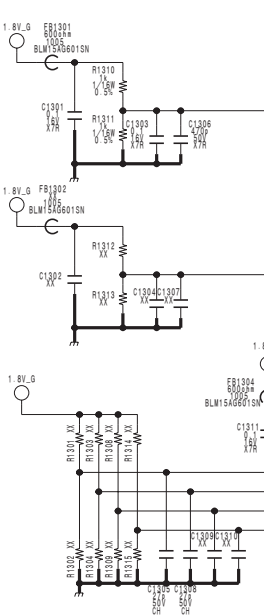
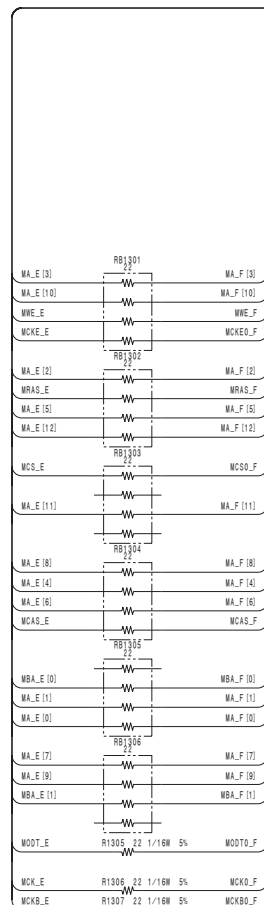
H



OUTPUT

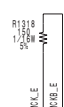
WA0_L	AP12
WA1_L	AR15
WA2_L	AR13
WA3_L	AV16
WA4_L	AP13
WA5_L	AT15
WA6_L	AT13
WA7_L	AM16
WA8_L	AP14
WA9_L	AT16
WA10_L	AR15
WA11_L	AR14
WA12_L	AU16
WB0_L	AV15
WB1_L	AU14
WC0_L	AP11
WCAS_L	AT11
WCAS_L	AT12
WNE_L	AV14
WKEO_L	AM14
WOTO_L	AP10
WCKO_L	AV12
WCKB0_L	AR12
WDO0_L	AV10
WDO1_L	AN6
WDO2_L	AM10
WDO3_L	AV5
WDO4_L	AV5
WDO5_L	AU10
WDO6_L	AV6
WDO7_L	AU9
WDO8_L	AT10
WDO9_L	AT5
WDO10_L	AP7
WDO11_L	AP6
WDO12_L	AR5
WDO13_L	AR10
WDO14_L	AP5
WDO15_L	AP9
WDM_L	AR8
WDM_L	AU6
WDO0S_L	AR8
WDO0S_L	AT8
WDO0S_L	AV8
WDO0S_L	AN8
WVREF_L	AM12
WDRV0N_L	AN6
WDRVUP_L	AN5
WUNWY_L	AN9

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WA_F (0)	AR35	WA0_F	WDO0_F	AV22	WDO (0)
WA_F (1)	AR33	WA1_F	WDO1_F	AR18	WDO (1)
WA_F (2)	AR37	WA2_F	WDO2_F	AR23	WDO (2)
WA_F (3)	AK35	WA3_F	WDO3_F	AV17	WDO (3)
WA_F (4)	AT36	WA4_F	WDO4_F	AV23	WDO (4)
WA_F (5)	AK36	WA5_F	WDO5_F	AV18	WDO (5)
WA_F (6)	AT37	WA6_F	WDO6_F	AR22	WDO (6)
WA_F (7)	AU34	WA7_F	WDO7_F	AT22	WDO (7)
WA_F (8)	AU35	WA8_F	WDO8_F	AT17	WDO (8)
WA_F (9)	AR34	WA9_F	WDO9_F	AR18	WDO (9)
WA_F (10)	AV34	WA10_F	WDO10_F	AP19	WDO (10)
WA_F (11)	AV37	WA11_F	WDO11_F	AR18	WDO (11)
WA_F (12)	AV35	WA12_F	WDO12_F	AR17	WDO (12)
WB_F (0)	AT33	WB0_F	WDO13_F	AT23	WDO (13)
WB_F (1)	AT35	WB1_F	WDO14_F	AP18	WDO (14)
WB_F (2)	AV38	WB2_F	WDO15_F	AR22	WDO (15)
WB_F (3)	AR31	WB3_F	WDO16_F	AK30	WDO (16)
WB_F (4)	AV36	WB4_F	WDO17_F	AV30	WDO (17)
WB_F (5)	AK38	WB5_F	WDO18_F	AK24	WDO (18)
WB_F (6)	AK34	WB6_F	WDO19_F	AV29	WDO (19)
WB_F (7)	AT33	WB7_F	WDO20_F	AV28	WDO (20)
WB_F (8)	AU33	WB8_F	WDO21_F	AV25	WDO (21)
WB_F (9)	AT31	WB9_F	WDO22_F	AV25	WDO (22)
WB_F (10)	AU31	WB10_F	WDO23_F	AT25	WDO (23)
WB_F (11)	AT31	WB11_F	WDO24_F	AT30	WDO (24)
WB_F (12)	AK32	WB12_F	WDO25_F	AP18	WDO (25)
WB_F (13)	AV32	WB13_F	WDO26_F	AR20	WDO (26)
WB_F (14)	AK39	WB14_F	WDO27_F	AR29	WDO (27)
WB_F (15)	AU38	WB15_F	WDO28_F	AR25	WDO (28)
WB_F (16)	AK38	WB16_F	WDO29_F	AK25	WDO (29)
WB_F (17)	AU38	WB17_F	WDO30_F	AK25	WDO (30)
WB_F (18)	AK31	WB18_F	WDO31_F	AK39	WDO (31)
WB_F (19)	AK31	WB19_F	WDO32_F	AK37	WDO (32)
WB_F (20)	AK31	WB20_F	WDO33_F	AK39	WDO (33)
WB_F (21)	AK31	WB21_F	WDO34_F	AK39	WDO (34)
WB_F (22)	AK31	WB22_F	WDO35_F	AK39	WDO (35)
WB_F (23)	AK31	WB23_F	WDO36_F	AK39	WDO (36)
WB_F (24)	AK31	WB24_F	WDO37_F	AK39	WDO (37)
WB_F (25)	AK31	WB25_F	WDO38_F	AK39	WDO (38)
WB_F (26)	AK31	WB26_F	WDO39_F	AK39	WDO (39)
WB_F (27)	AK31	WB27_F	WDO40_F	AK39	WDO (40)
WB_F (28)	AK31	WB28_F	WDO41_F	AK39	WDO (41)
WB_F (29)	AK31	WB29_F	WDO42_F	AK39	WDO (42)
WB_F (30)	AK31	WB30_F	WDO43_F	AK39	WDO (43)
WB_F (31)	AK31	WB31_F	WDO44_F	AK39	WDO (44)
WB_F (32)	AK31	WB32_F	WDO45_F	AK39	WDO (45)
WB_F (33)	AK31	WB33_F	WDO46_F	AK39	WDO (46)
WB_F (34)	AK31	WB34_F	WDO47_F	AK39	WDO (47)
WB_F (35)	AK31	WB35_F	WDO48_F	AK39	WDO (48)
WB_F (36)	AK31	WB36_F	WDO49_F	AK39	WDO (49)
WB_F (37)	AK31	WB37_F	WDO50_F	AK39	WDO (50)
WB_F (38)	AK31	WB38_F	WDO51_F	AK39	WDO (51)
WB_F (39)	AK31	WB39_F	WDO52_F	AK39	WDO (52)
WB_F (40)	AK31	WB40_F	WDO53_F	AK39	WDO (53)
WB_F (41)	AK31	WB41_F	WDO54_F	AK39	WDO (54)
WB_F (42)	AK31	WB42_F	WDO55_F	AK39	WDO (55)
WB_F (43)	AK31	WB43_F	WDO56_F	AK39	WDO (56)
WB_F (44)	AK31	WB44_F	WDO57_F	AK39	WDO (57)
WB_F (45)	AK31	WB45_F	WDO58_F	AK39	WDO (58)
WB_F (46)	AK31	WB46_F	WDO59_F	AK39	WDO (59)
WB_F (47)	AK31	WB47_F	WDO60_F	AK39	WDO (60)
WB_F (48)	AK31	WB48_F	WDO61_F	AK39	WDO (61)
WB_F (49)	AK31	WB49_F	WDO62_F	AK39	WDO (62)
WB_F (50)	AK31	WB50_F	WDO63_F	AK39	WDO (63)
WB_F (51)	AK31	WB51_F	WDO64_F	AK39	WDO (64)
WB_F (52)	AK31	WB52_F	WDO65_F	AK39	WDO (65)
WB_F (53)	AK31	WB53_F	WDO66_F	AK39	WDO (66)
WB_F (54)	AK31	WB54_F	WDO67_F	AK39	WDO (67)
WB_F (55)	AK31	WB55_F	WDO68_F	AK39	WDO (68)
WB_F (56)	AK31	WB56_F	WDO69_F	AK39	WDO (69)
WB_F (57)	AK31	WB57_F	WDO70_F	AK39	WDO (70)
WB_F (58)	AK31	WB58_F	WDO71_F	AK39	WDO (71)
WB_F (59)	AK31	WB59_F	WDO72_F	AK39	WDO (72)
WB_F (60)	AK31	WB60_F	WDO73_F	AK39	WDO (73)
WB_F (61)	AK31	WB61_F	WDO74_F	AK39	WDO (74)
WB_F (62)	AK31	WB62_F	WDO75_F	AK39	WDO (75)
WB_F (63)	AK31	WB63_F	WDO76_F	AK39	WDO (76)
WB_F (64)	AK31	WB64_F	WDO77_F	AK39	WDO (77)
WB_F (65)	AK31	WB65_F	WDO78_F	AK39	WDO (78)
WB_F (66)	AK31	WB66_F	WDO79_F	AK39	WDO (79)
WB_F (67)	AK31	WB67_F	WDO80_F	AK39	WDO (80)
WB_F (68)	AK31	WB68_F	WDO81_F	AK39	WDO (81)
WB_F (69)	AK31	WB69_F	WDO82_F	AK39	WDO (82)
WB_F (70)	AK31	WB70_F	WDO83_F	AK39	WDO (83)
WB_F (71)	AK31	WB71_F	WDO84_F	AK39	WDO (84)
WB_F (72)	AK31	WB72_F	WDO85_F	AK39	WDO (85)
WB_F (73)	AK31	WB73_F	WDO86_F	AK39	WDO (86)
WB_F (74)	AK31	WB74_F	WDO87_F	AK39	WDO (87)
WB_F (75)	AK31	WB75_F	WDO88_F	AK39	WDO (88)
WB_F (76)	AK31	WB76_F	WDO89_F	AK39	WDO (89)
WB_F (77)	AK31	WB77_F	WDO90_F	AK39	WDO (90)
WB_F (78)	AK31	WB78_F	WDO91_F	AK39	WDO (91)
WB_F (79)	AK31	WB79_F	WDO92_F	AK39	WDO (92)
WB_F (80)	AK31	WB80_F	WDO93_F	AK39	WDO (93)
WB_F (81)	AK31	WB81_F	WDO94_F	AK39	WDO (94)
WB_F (82)	AK31	WB82_F	WDO95_F	AK39	WDO (95)
WB_F (83)	AK31	WB83_F	WDO96_F	AK39	WDO (96)
WB_F (84)	AK31	WB84_F	WDO97_F	AK39	WDO (97)
WB_F (85)	AK31	WB85_F	WDO98_F	AK39	WDO (98)
WB_F (86)	AK31	WB86_F	WDO99_F	AK39	WDO (99)

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5-14

WA_E (0)	M8	A0	D00	G8	WDO (0)
WA_E (1)	M3	A1	D01	G2	WDO (1)
WA_E (2)	M7	A2	D02	H7	WDO (2)
WA_E (3)	N2	A3	D03	H3	WDO (3)
WA_E (4)	N8	A4	D04	H1	WDO (4)
WA_E (5)	N3	A5	D05	H9	WDO (5)
WA_E (6)	N7	A6	D06	F1	WDO (6)
WA_E (7)	P2	A7	D07	F9	WDO (7)
WA_E (8)	P8	A8	D08	C8	WDO (8)
WA_E (9)	P3	A9	D09	C2	WDO (9)
WA_E (10)	M2	A10	D10	D7	WDO (10)
WA_E (11)	P7	A11	D11	D3	WDO (11)
WA_E (12)	R2	A12	D12	D1	WDO (12)
WA_E (13)	D9	A13	D13	D9	WDO (13)
WB_E (0)	L2	B0	D14	B1	WDO (14)
WB_E (1)	L3	B1	D15	B9	WDO (15)

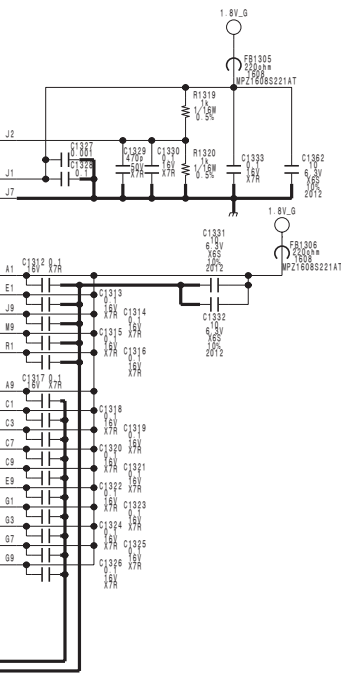
WH0W0	B3	U0W	NC	A2	NC
WH0S0	B7	U0S0	NC	E2	NC
WH0S0B	A8	/U0S0	NC	R3	NC
WLDW0	F3	LOW	NC	R7	NC
WLD0S0	F7	LOOS	NC	R8	NC
WLD0S0B	E8	/LOOS			
WCKE_E	J8	CK			
WCKB_E	K8	/CK			
WCKE_E	K2	CKE			
WCAS_E	L8	/CAS			
WRAS_E	K7	/RAS			
WCAS_E	L7	/CAS			
WNE_E	K3	/WE			
WOTO_E	K9	OOT			

5-14

WA_E (0)	M8	A0	D00	G8	WDO (0)
WA_E (1)	M3	A1	D01	G2	WDO (1)
WA_E (2)	M7	A2	D02	H7	WDO (2)
WA_E (3)	N2	A3	D03	H3	WDO (3)
WA_E (4)	N8	A4	D04	H1	WDO (4)
WA_E (5)	N3	A5	D05	H9	WDO (5)
WA_E (6)	N7	A6	D06	F1	WDO (6)
WA_E (7)	P2	A7	D07	F9	WDO (7)
WA_E (8)	P8	A8	D08	C8	WDO (8)
WA_E (9)	P3	A9	D09	C2	WDO (9)
WA_E (10)	M2	A10	D10	D7	WDO (10)
WA_E (11)	P7	A11	D11	D3	WDO (11)
WA_E (12)	R2	A12	D12	D1	WDO (12)
WA_E (13)	D9	A13	D13	D9	WDO (13)
WB_E (0)	L2	B0	D14	B1	WDO (14)
WB_E (1)	L3	B1	D15	B9	WDO (15)

WH0W0	B3	U0W	NC	A2	NC
WH0S0	B7	U0S0	NC	E2	NC
WH0S0B	A8	/U0S0	NC	R3	NC
WLDW0	F3	LOW	NC	R7	NC
WLD0S0	F7	LOOS	NC	R8	NC
WLD0S0B	E8	/LOOS			
WCKE_E	J8	CK			
WCKB_E	K8	/CK			
WCKE_E	K2	CKE			
WCAS_E	L8	/CAS			
WRAS_E	K7	/RAS			
WCAS_E	L7	/CAS			
WNE_E	K3	/WE			
WOTO_E	K9	OOT			

5-14



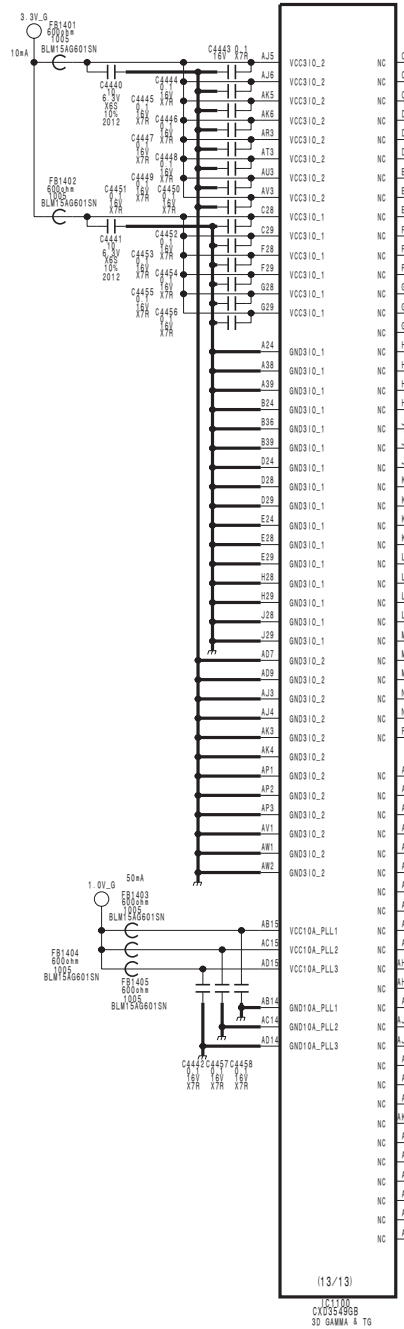
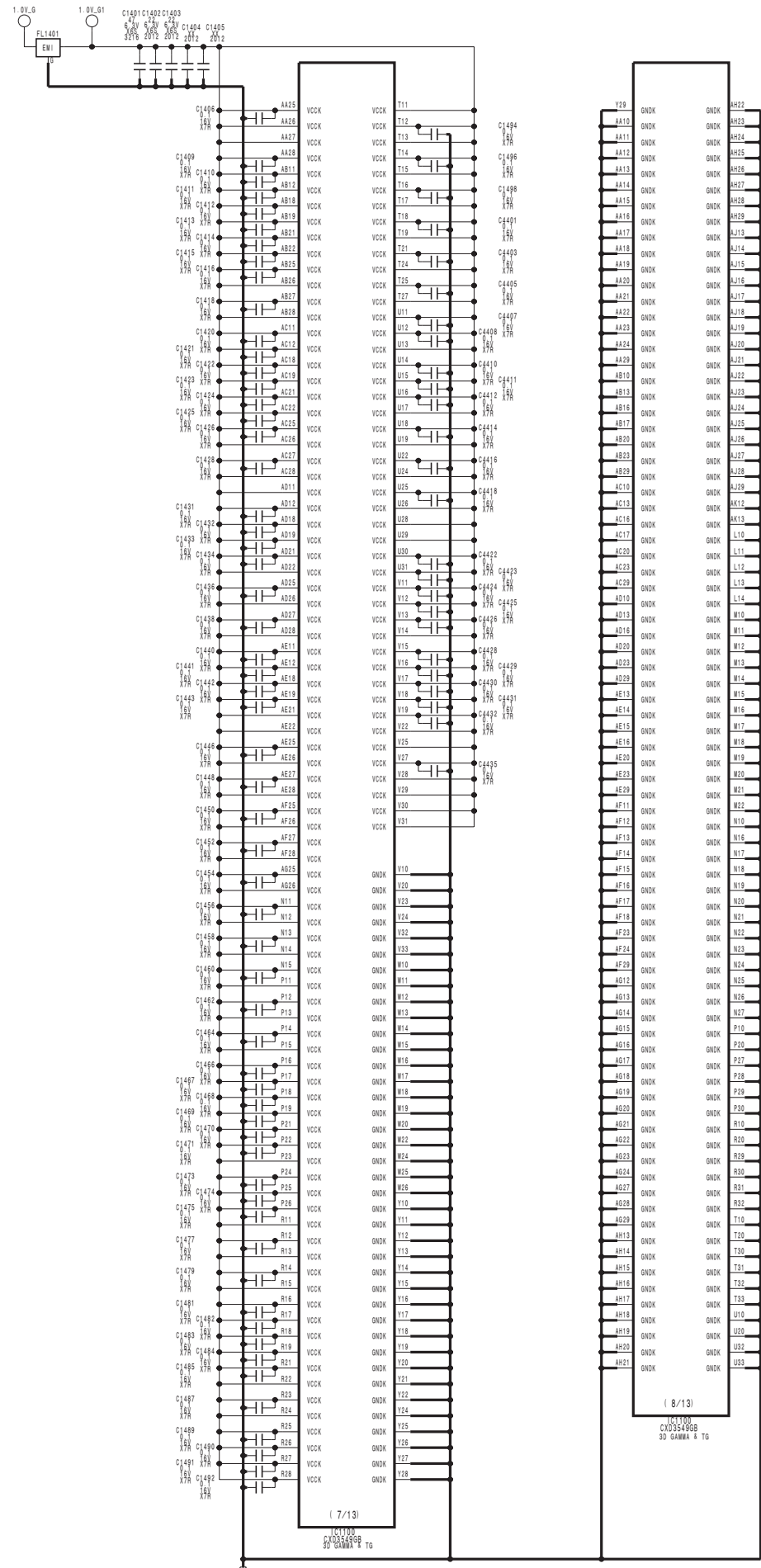
WA_E (0)	M8	A0	D00	G8	WDO (0)
WA_E (1)	M3	A1	D01	G2	WDO (1)
WA_E (2)	M7	A2	D02	H7	WDO (2)
WA_E (3)	N2	A3	D03	H3	WDO (3)
WA_E (4)	N8	A4	D04	H1	WDO (4)
WA_E (5)	N3	A5	D05	H9	WDO (5)
WA_E (6)	N7	A6	D06	F1	WDO (6)
WA_E (7)	P2	A7	D07	F9	WDO (7)
WA_E (8)	P8	A8	D08	C8	WDO (8)
WA_E (9)	P3	A9	D09	C2	WDO (9)
WA_E (10)	M2	A10	D10	D7	WDO (10)
WA_E (11)	P7	A11	D11	D3	WDO (11)
WA_E (12)	R2	A12	D12	D1	WDO (12)
WA_E (13)	D9	A13	D13	D9	WDO (13)
WB_E (0)	L2	B0	D14	B1	WDO (14)
WB_E (1)	L3	B1	D15	B9	WDO (15)

WH0W0	B3	U0W	NC	A2	NC
WH0S0	B7	U0S0	NC	E2	NC
WH0S0B	A8	/U0S0	NC	R3	NC
WLDW0	F3	LOW	NC	R7	NC
WLD0S0	F7	LOOS	NC	R8	NC
WLD0S0B	E8	/LOOS			
WCKE_E	J8	CK			
WCKB_E	K8	/CK			
WCKE_E	K2	CKE			
WCAS_E	L8	/CAS			
WRAS_E	K7	/RAS			
WCAS_E	L7	/CAS			
WNE_E	K3	/WE			
WOTO_E	K9	OOT			

5-14

WA_E (0)	M8	A0	D00	G8	WDO (0)
WA_E (1)	M3	A1	D01	G2	WDO (1)
WA_E (2)	M7	A2	D02	H7	WDO (2)
WA_E (3)	N2	A3	D03	H3	WDO (3)
WA_E (4)	N8	A4	D04	H1	WDO (4)
WA_E (5)	N3	A5	D05	H9	WDO (5)
WA_E (6)	N7	A6	D06	F1	WDO (6)
WA_E (7)	P2	A7	D07	F9	WDO (7)
WA_E (8)	P8	A8	D08	C8	WDO (8)
WA_E (9)	P3	A9	D09	C2	WDO (9)
WA_E (10)	M2	A10	D10	D7	WDO (10)
WA_E (11)	P7	A11	D11	D3	WDO (11)
WA_E (12)	R2	A12	D12	D1	





RAOH POWER

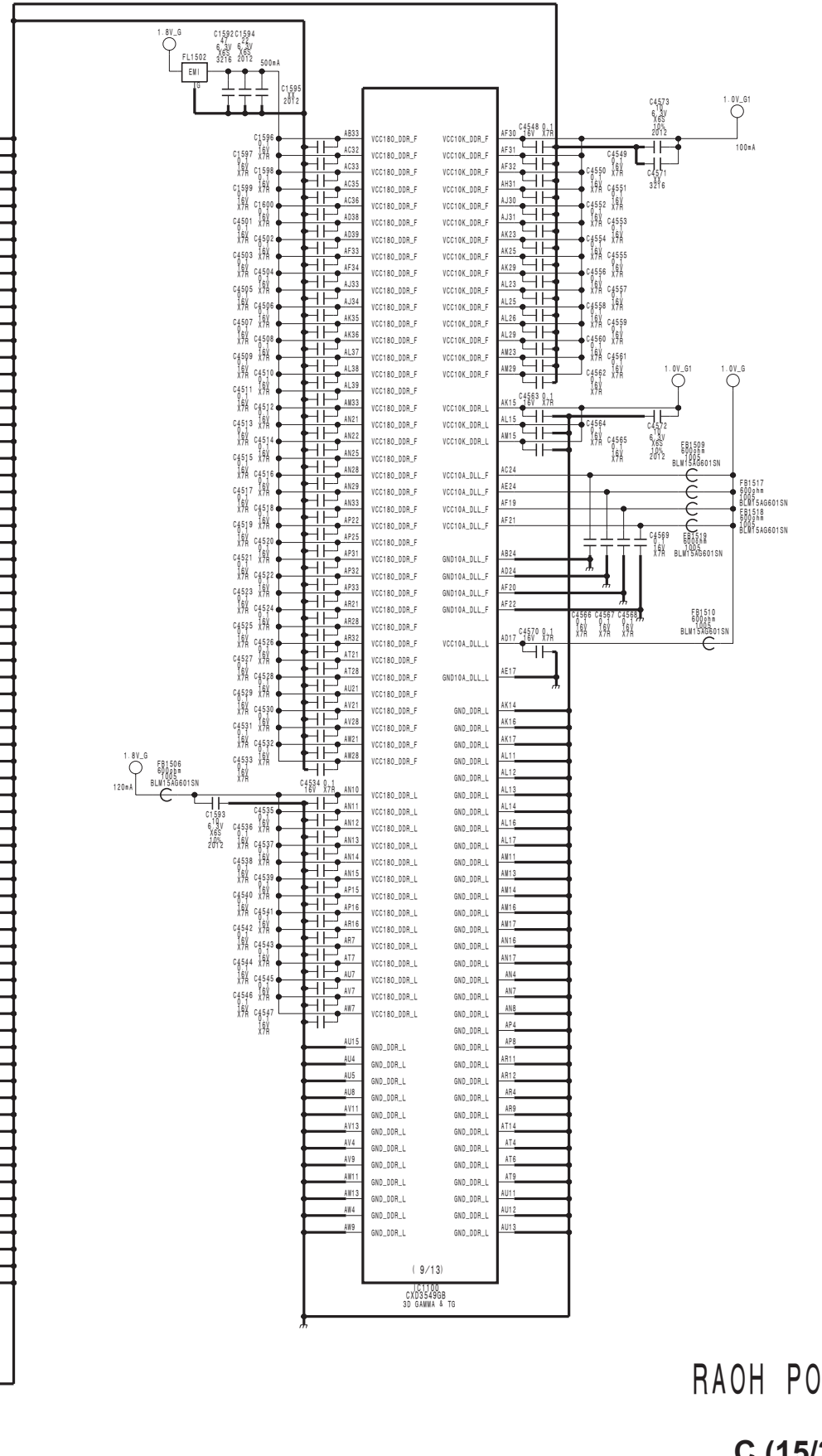
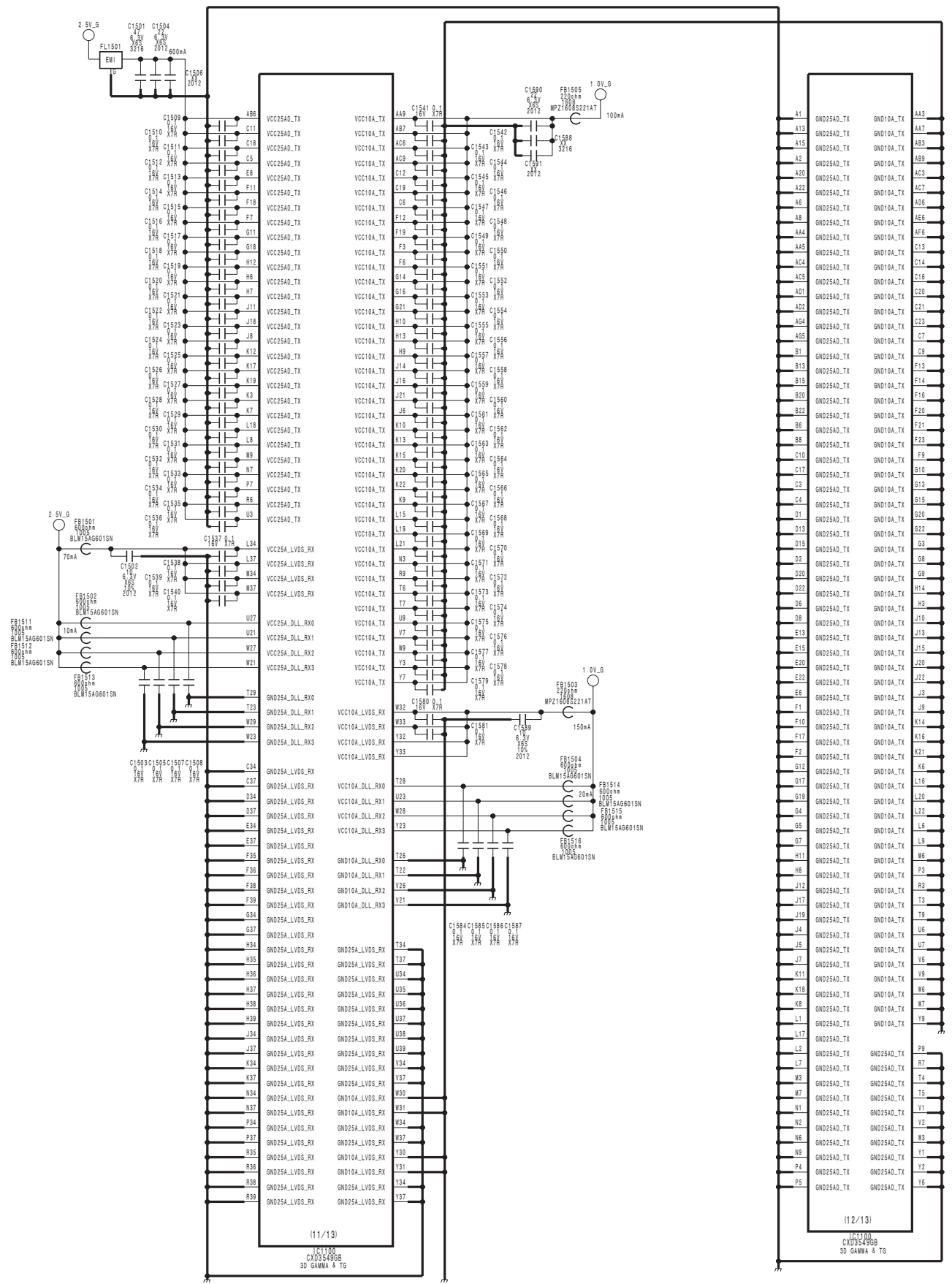
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2

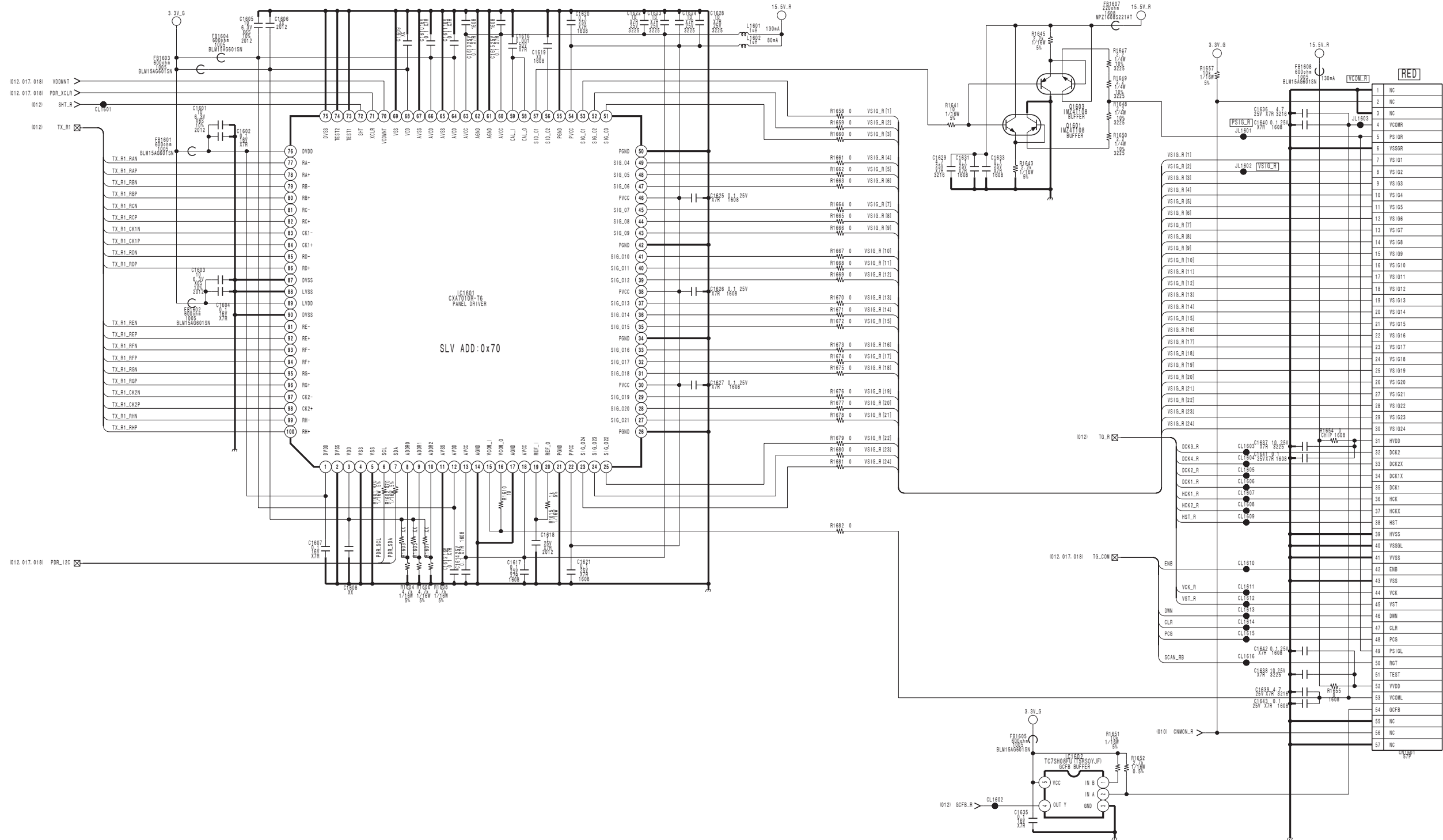
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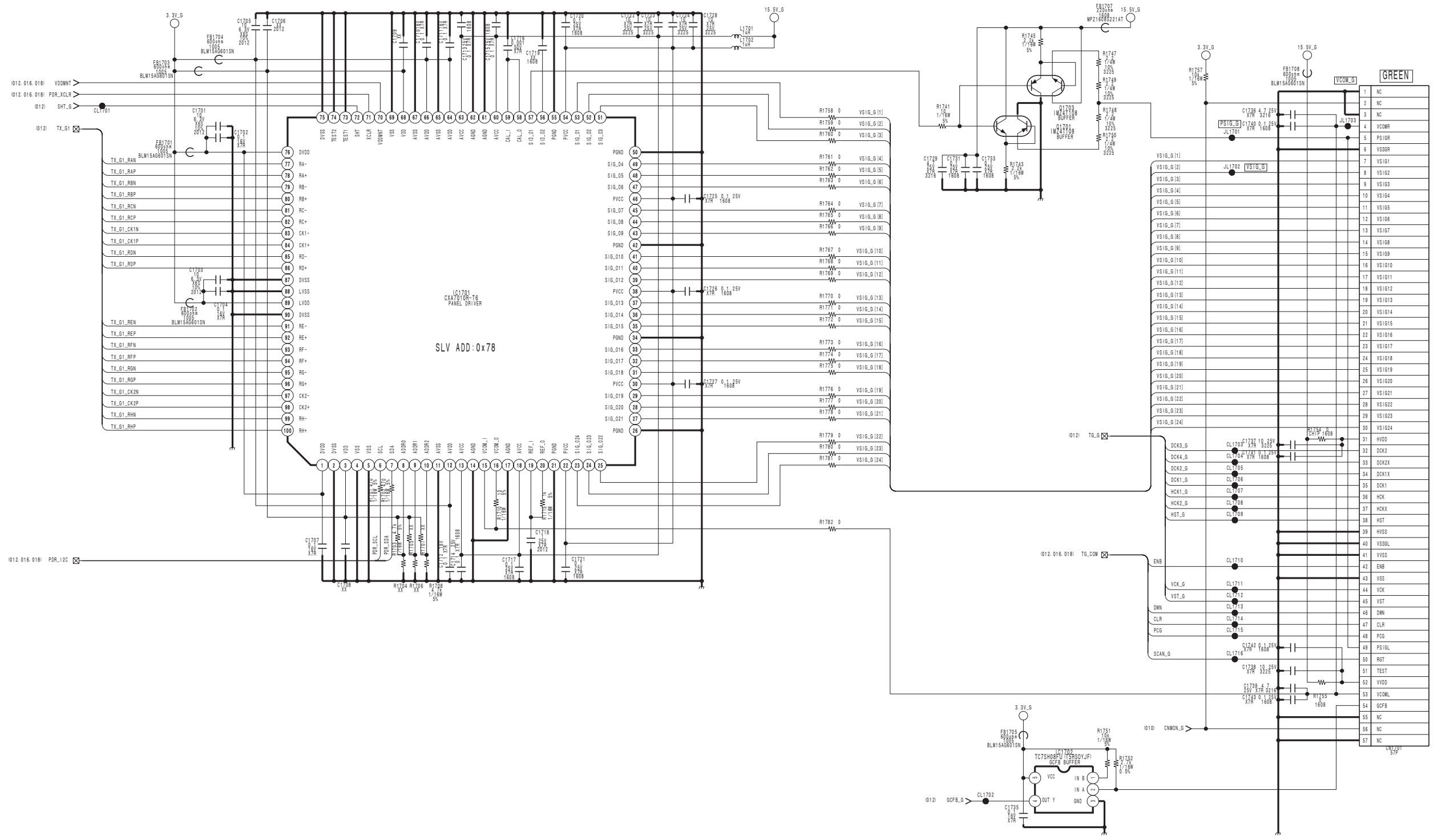


RAOH POWER



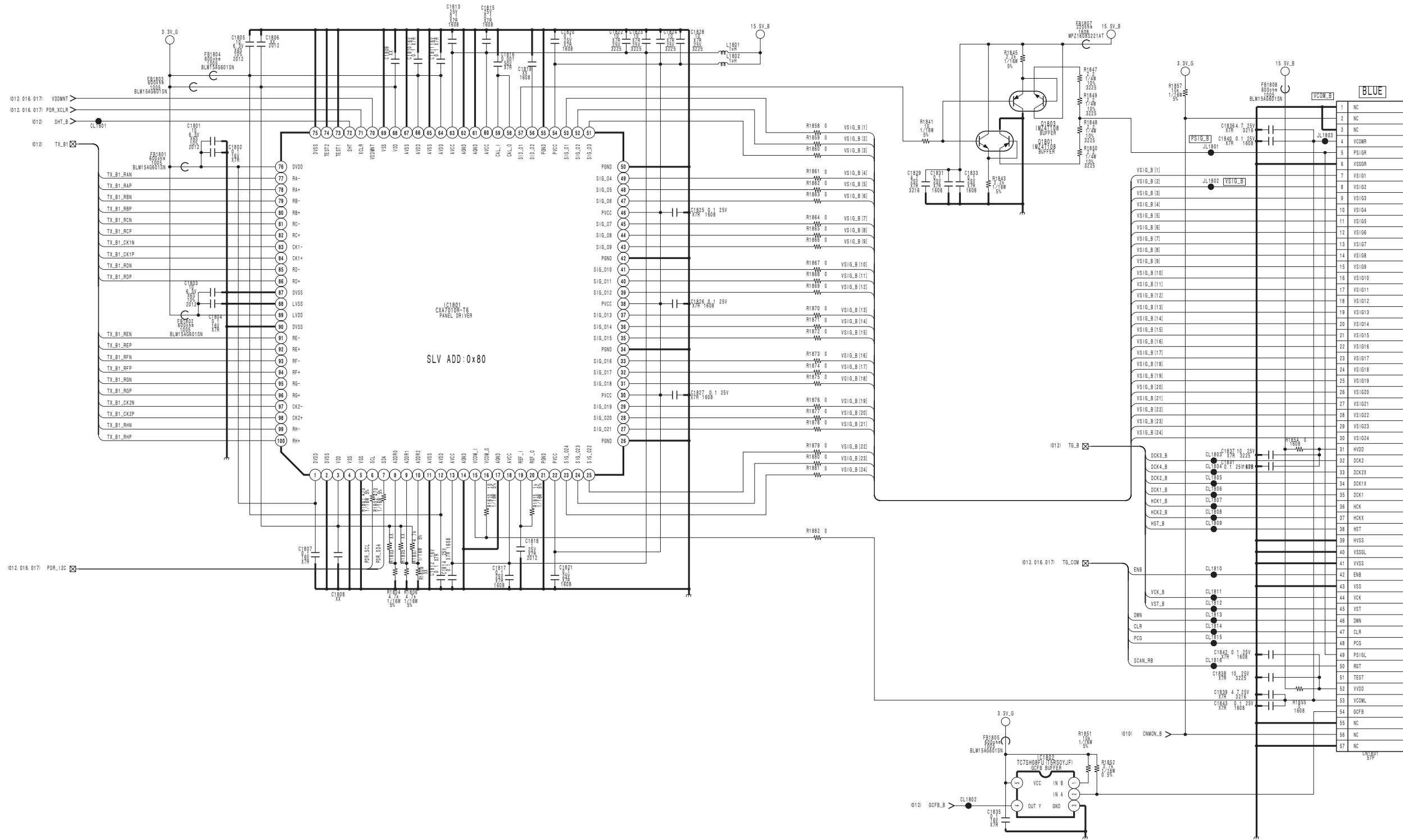
# P.Driver R

**C (16/21)**  
BOARD NO. 1-888-916-11

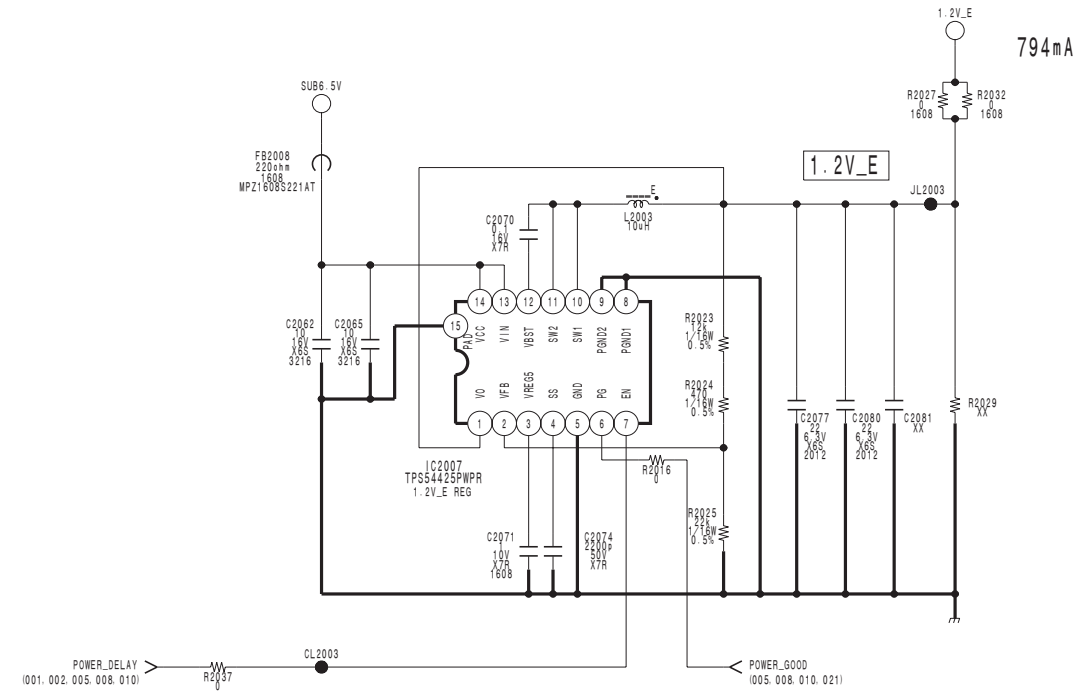
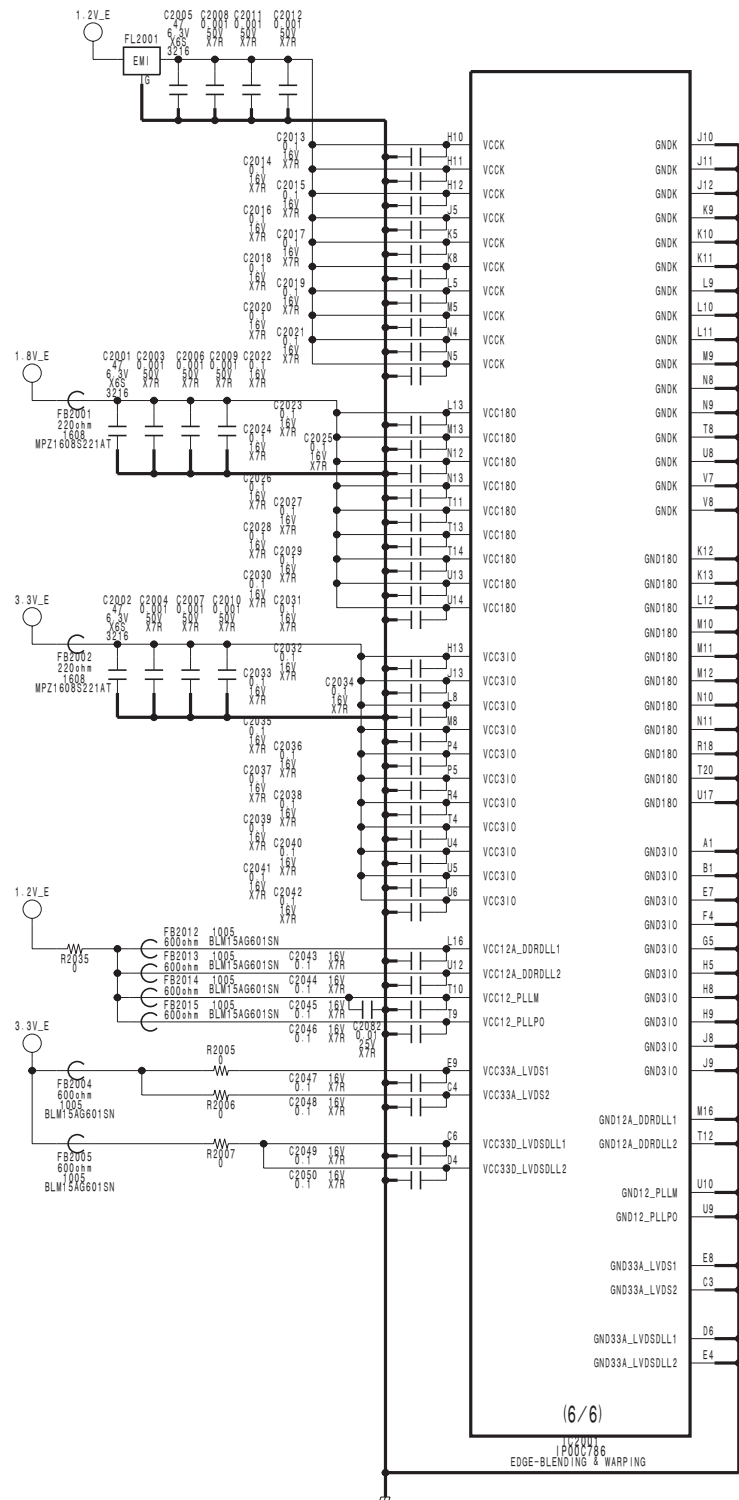


P.Driver G  
**C (17/21)**  
 BOARD NO. 1-888-916-11

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P.Driver B



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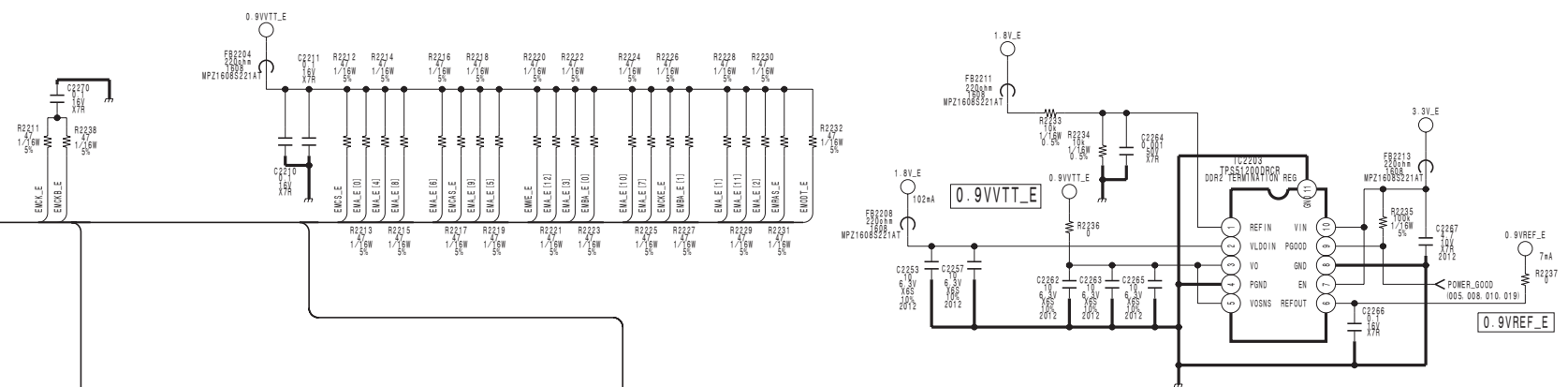
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G

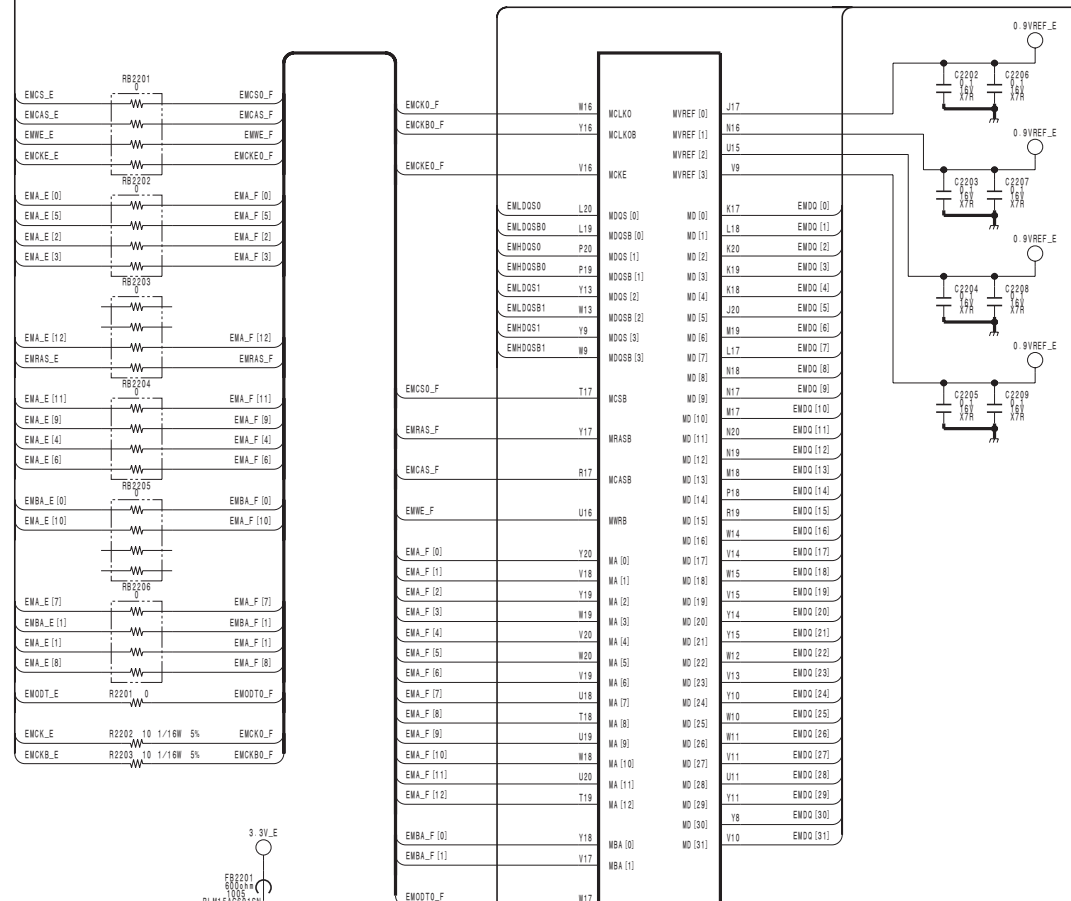
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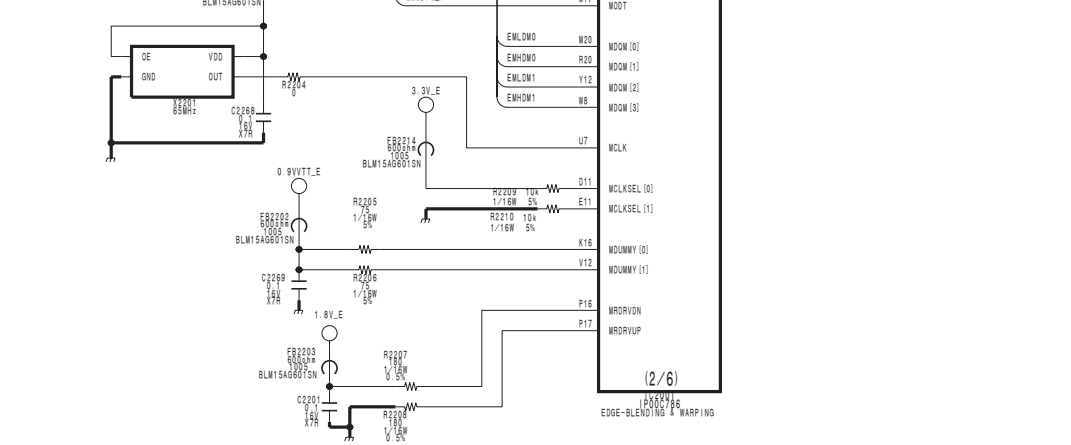
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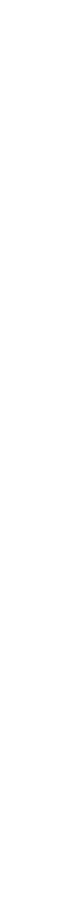
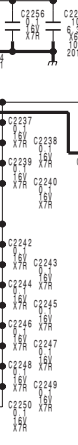
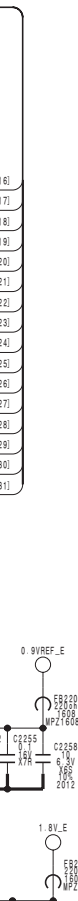
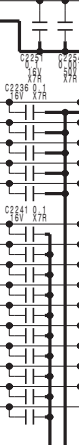
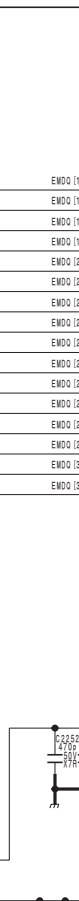
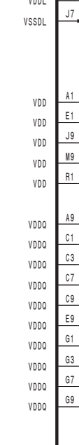
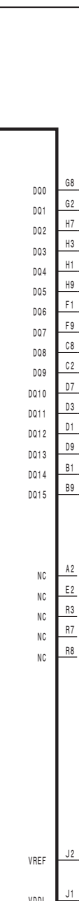
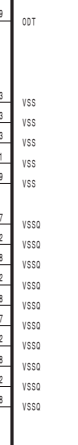
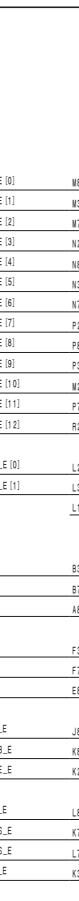
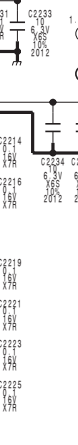
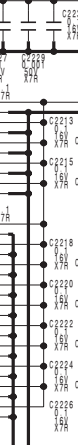
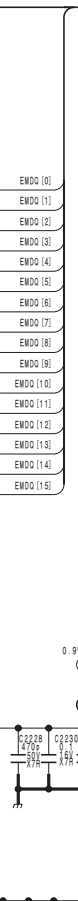
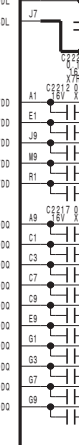
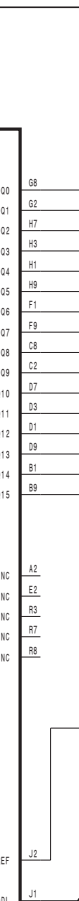
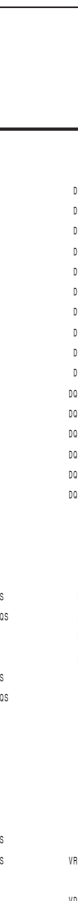
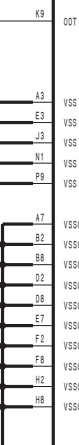
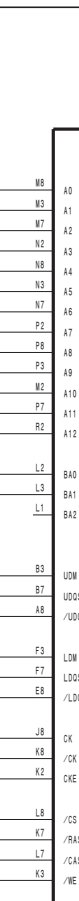
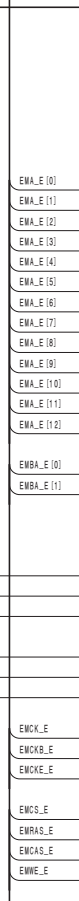
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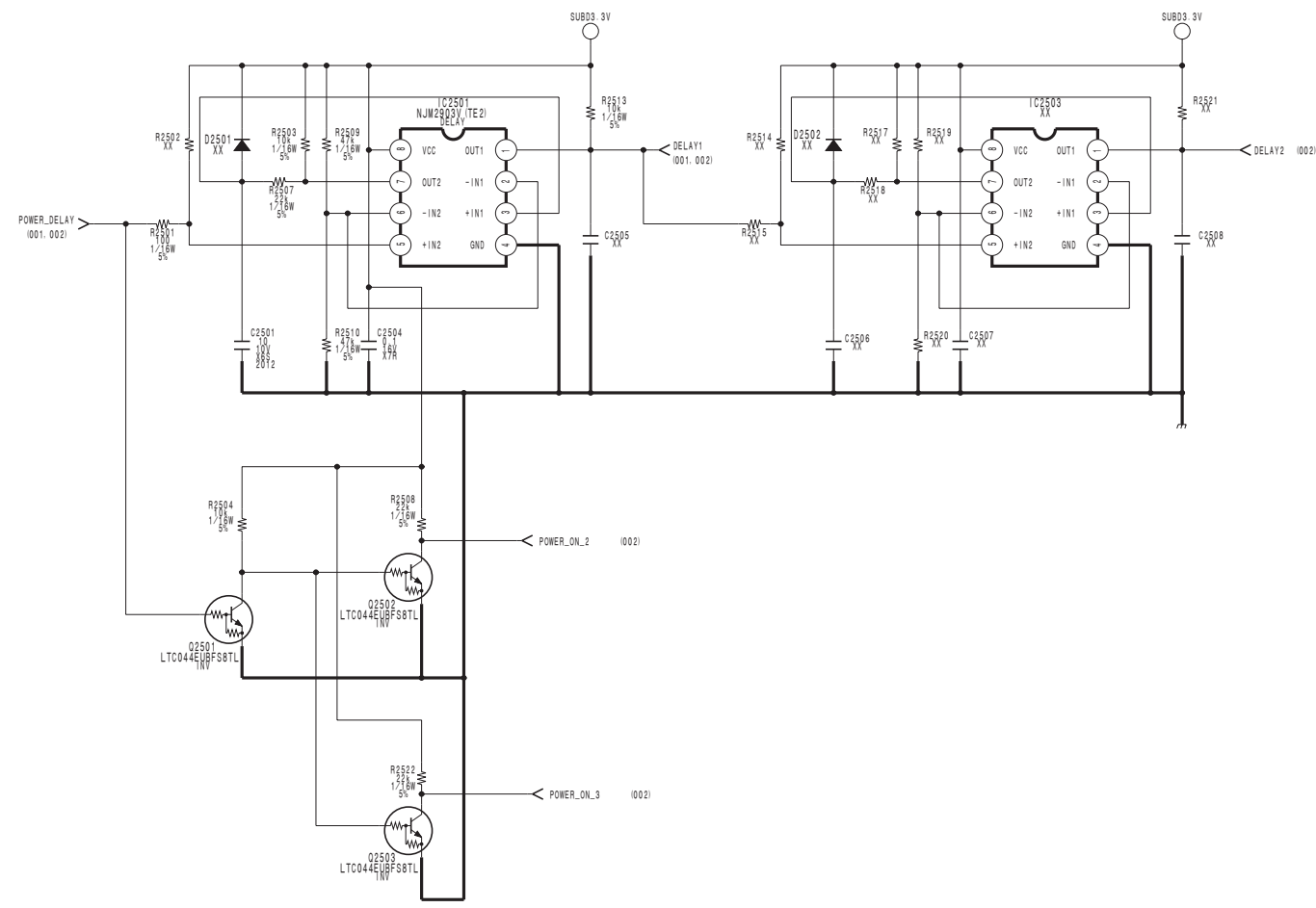
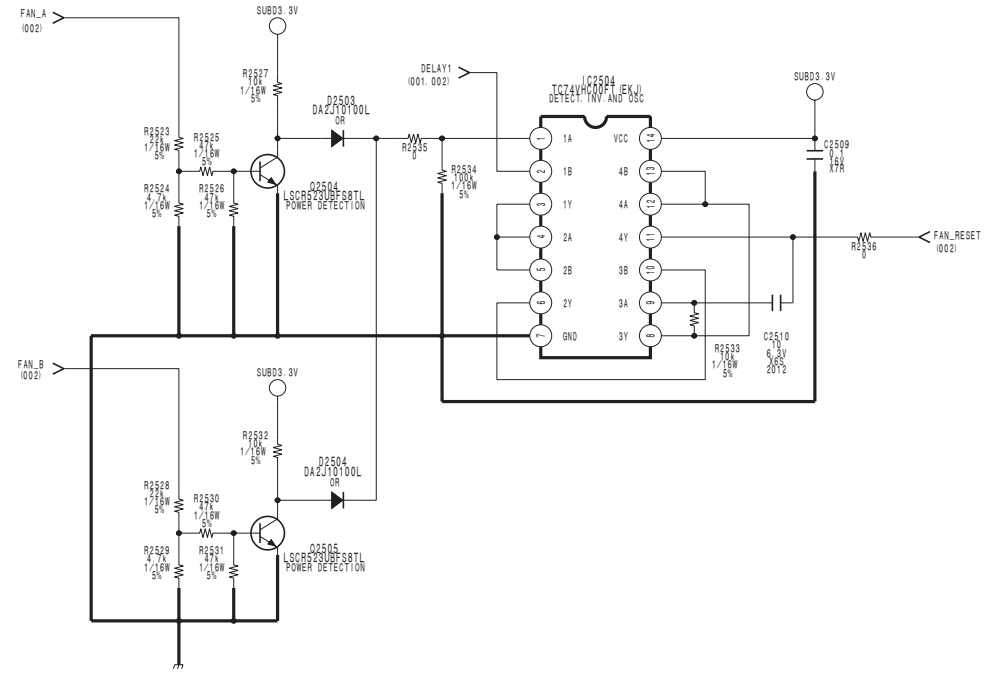
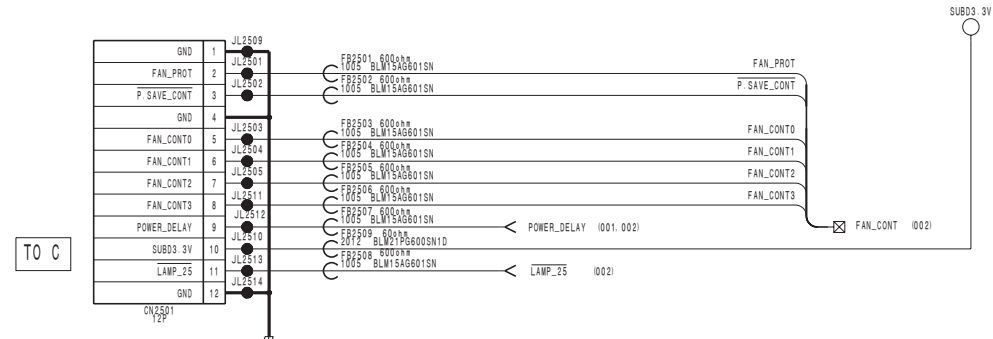
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5







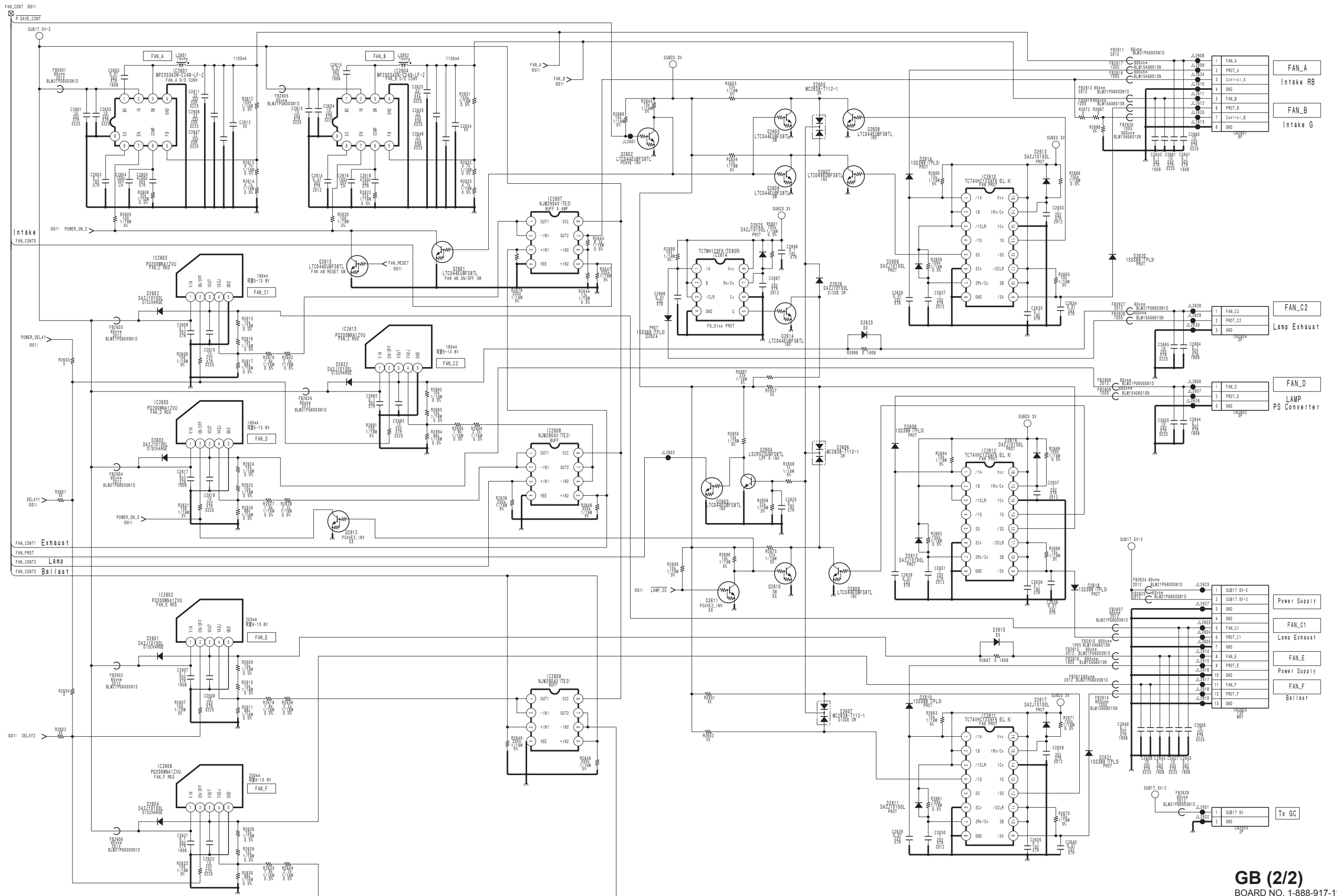
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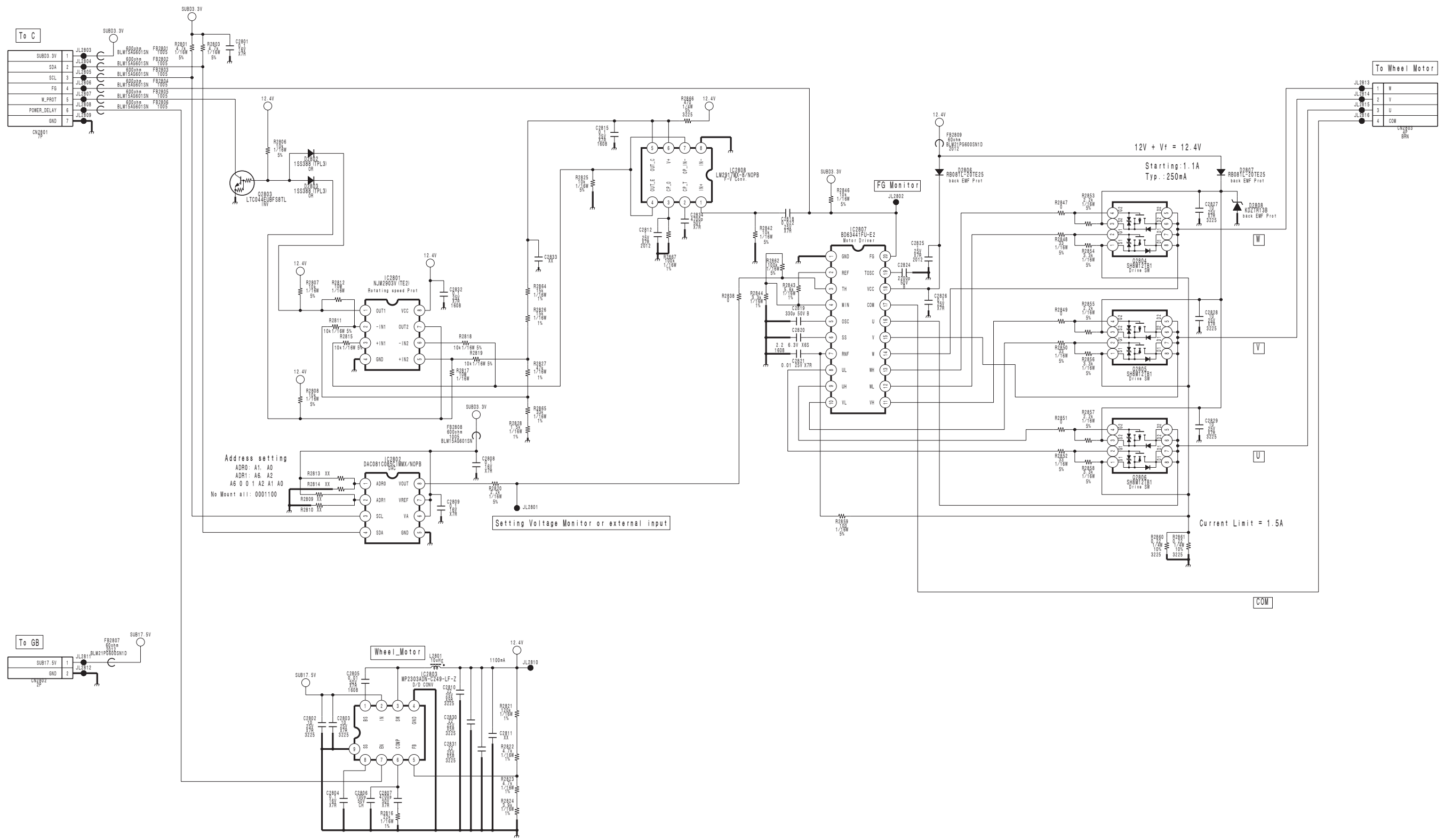
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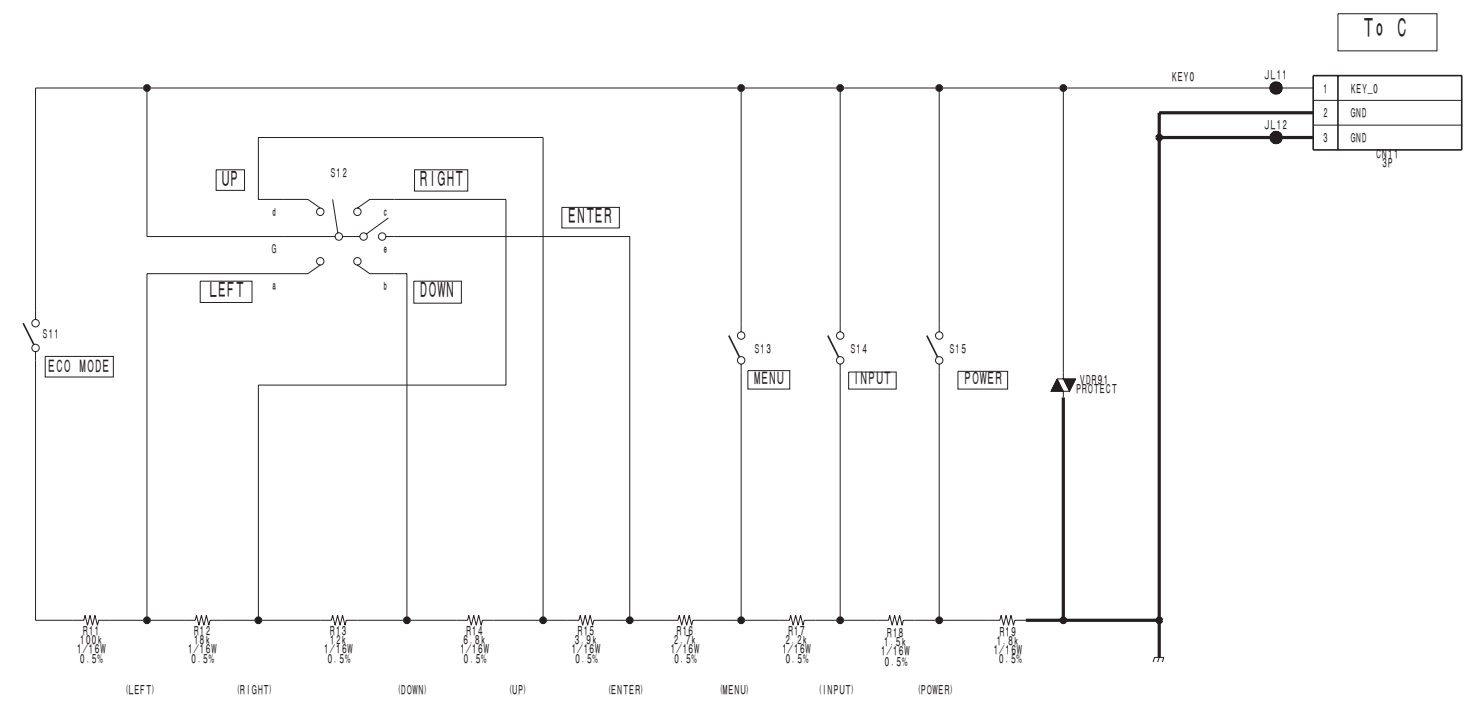
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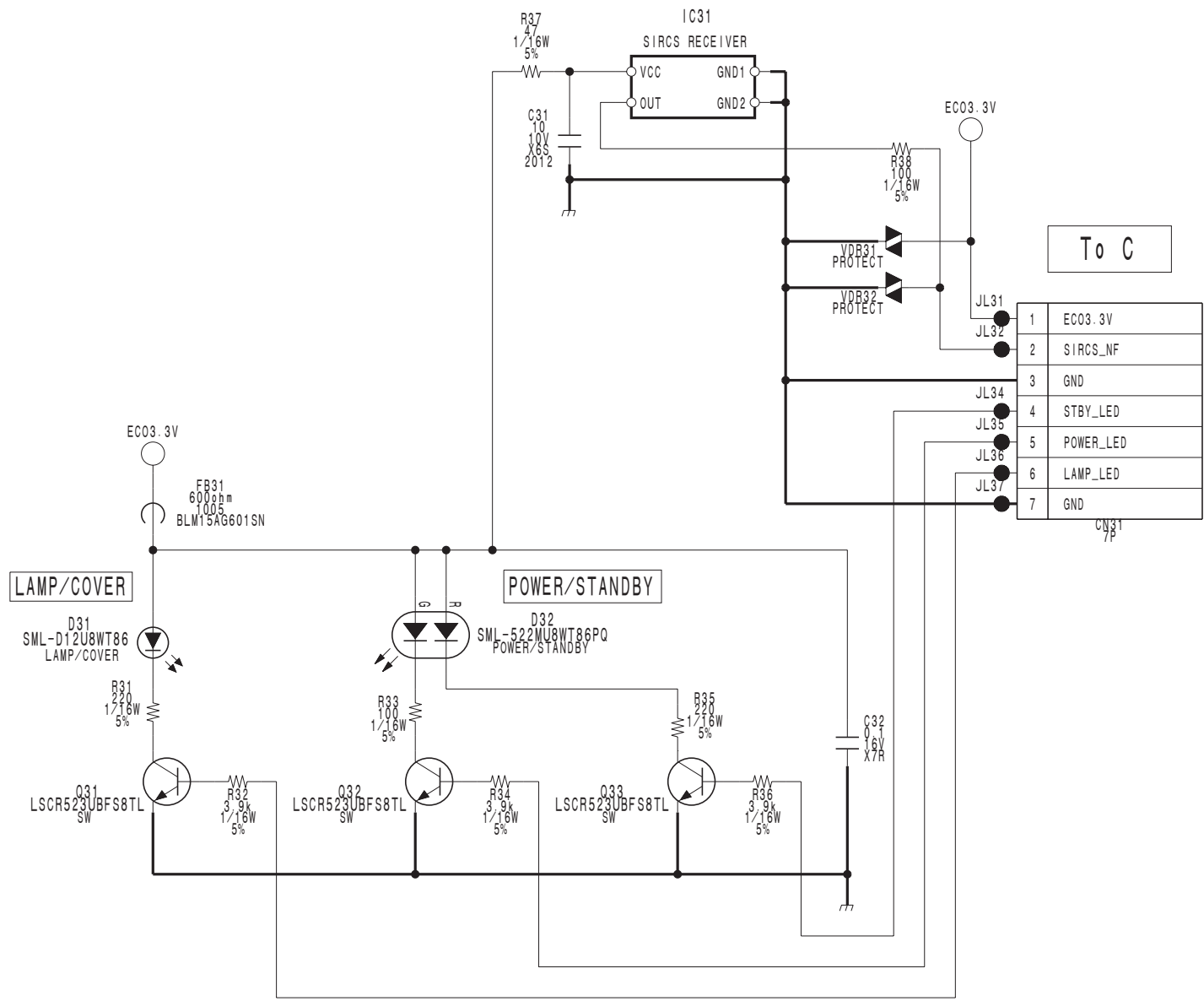


H  
SUFFIX: -11

H  
SUFFIX: -11



H  
BOARD NO. 1-888-919-11



NF  
BOARD NO. 1-888-920-11

1

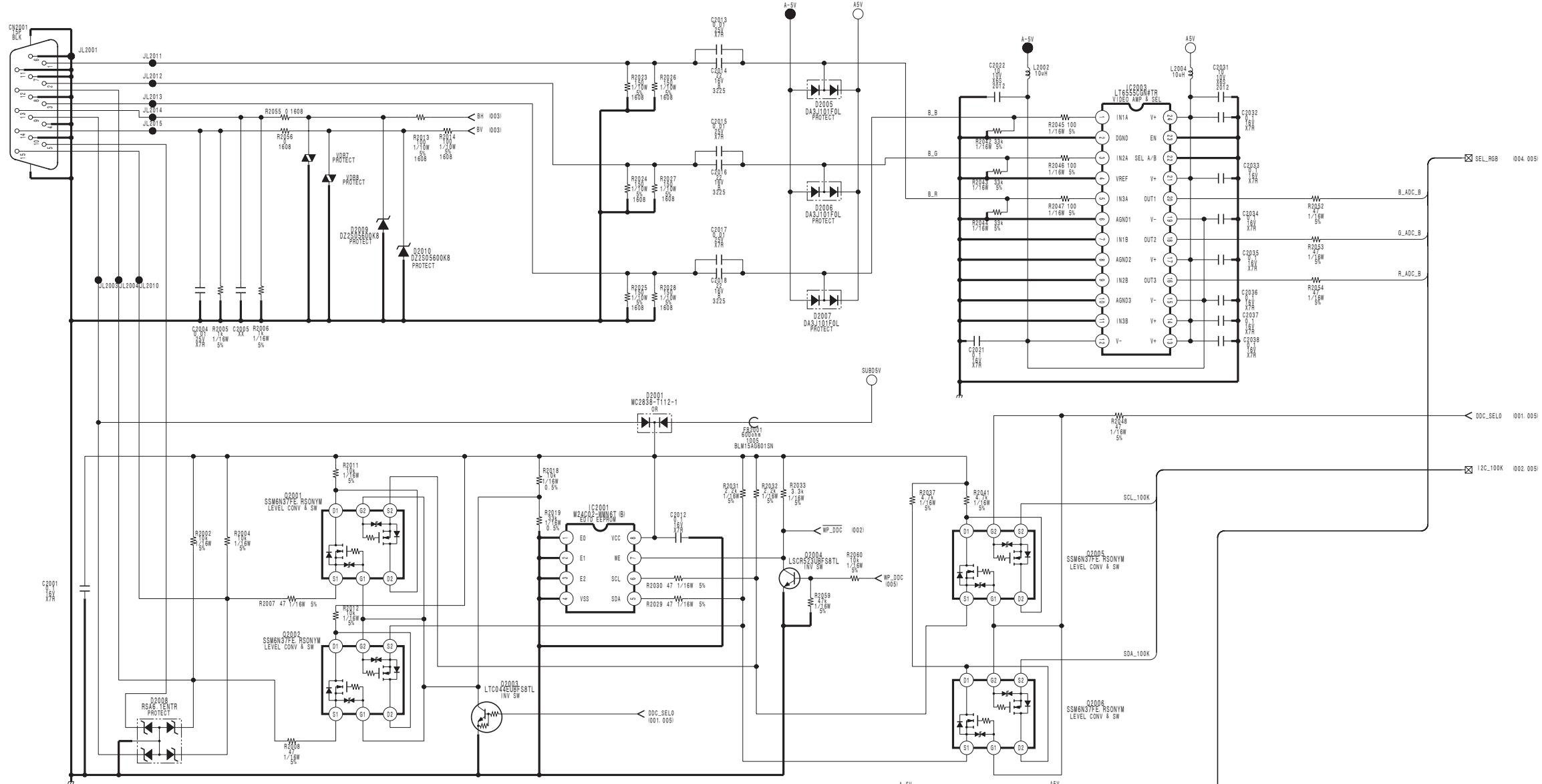
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3

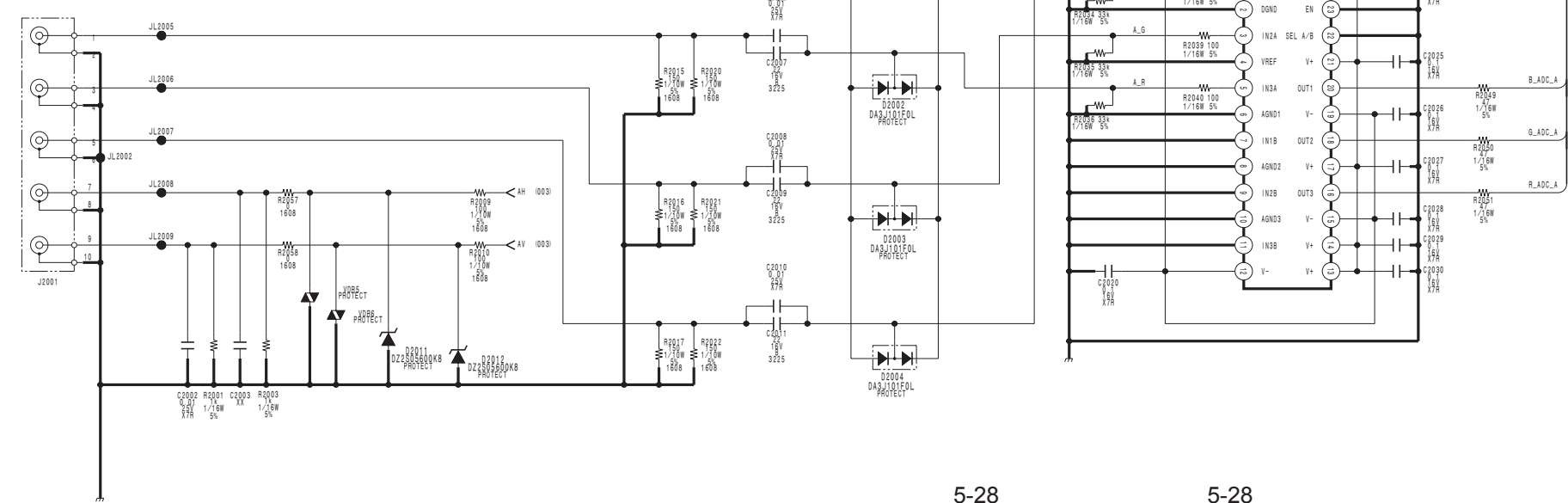
4

5

INPUT-B

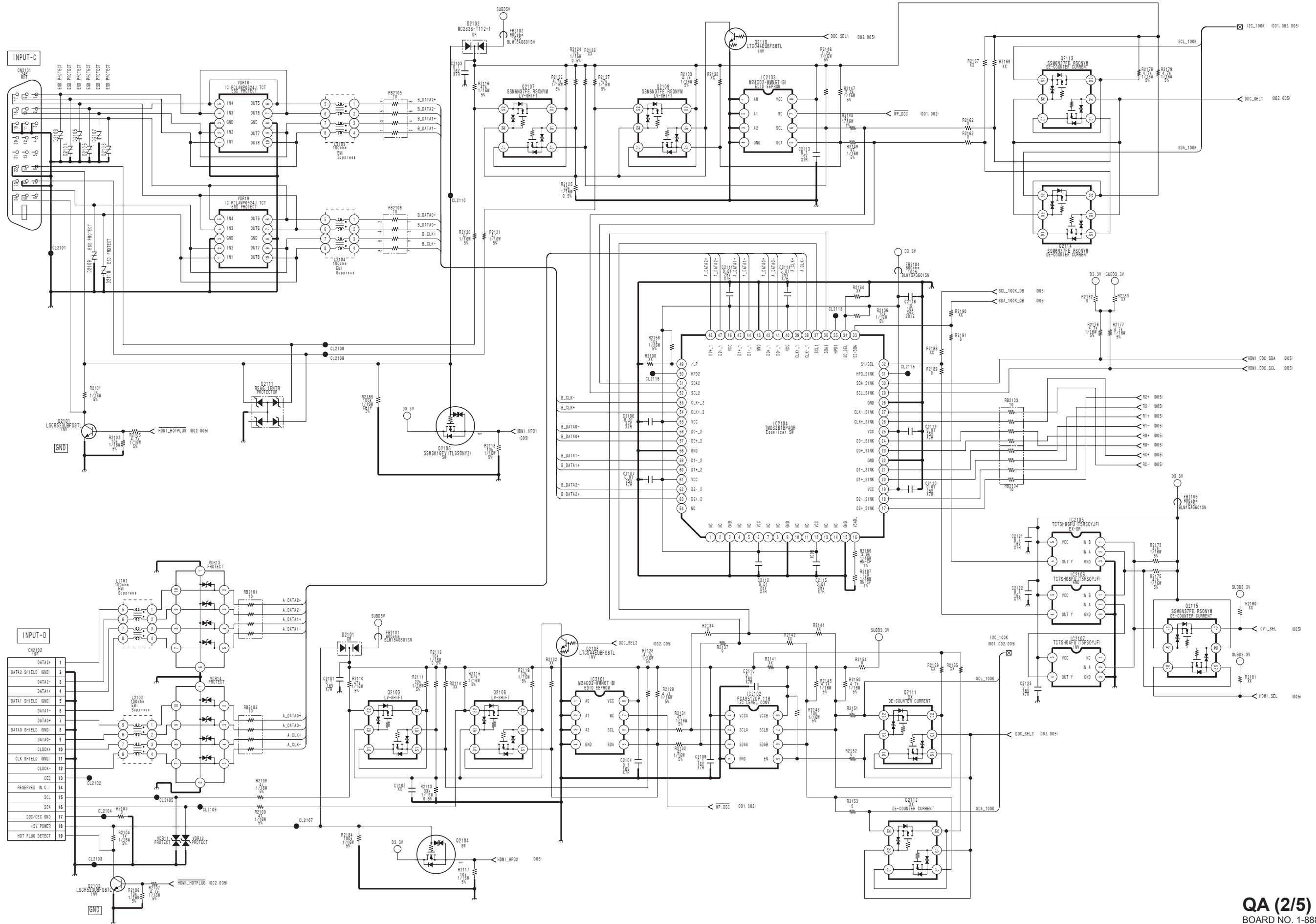


INPUT-A



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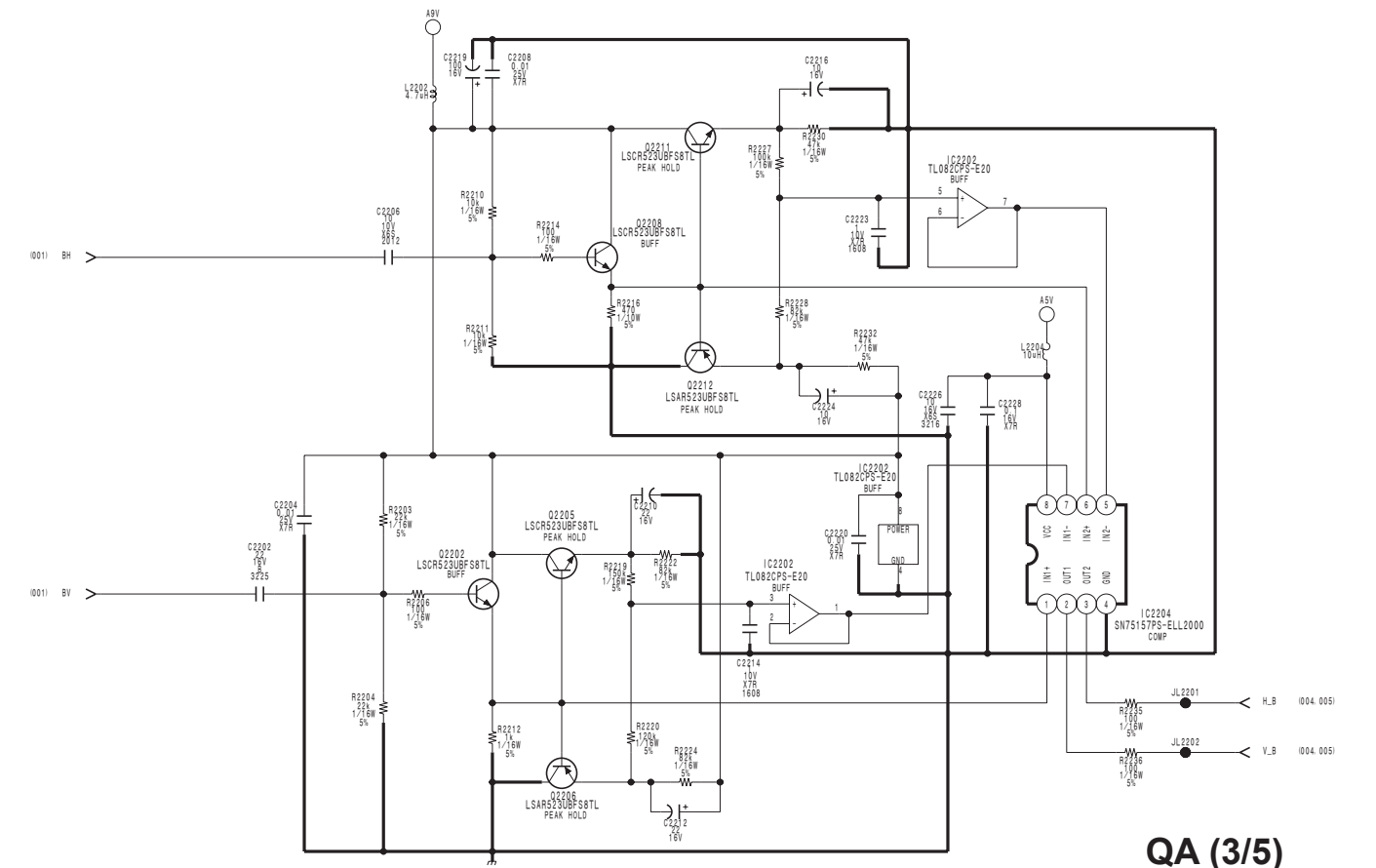
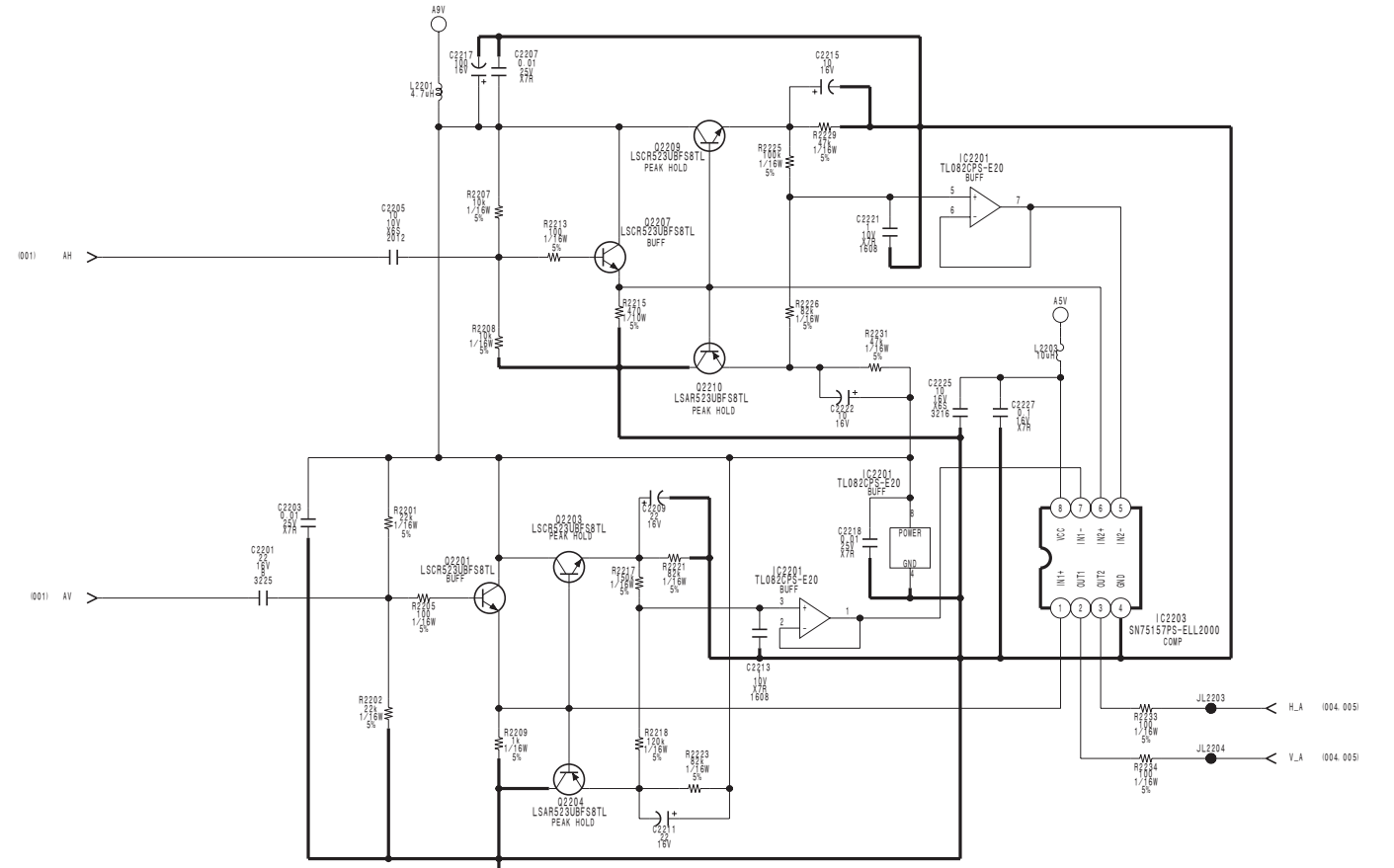
1

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A

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C

D

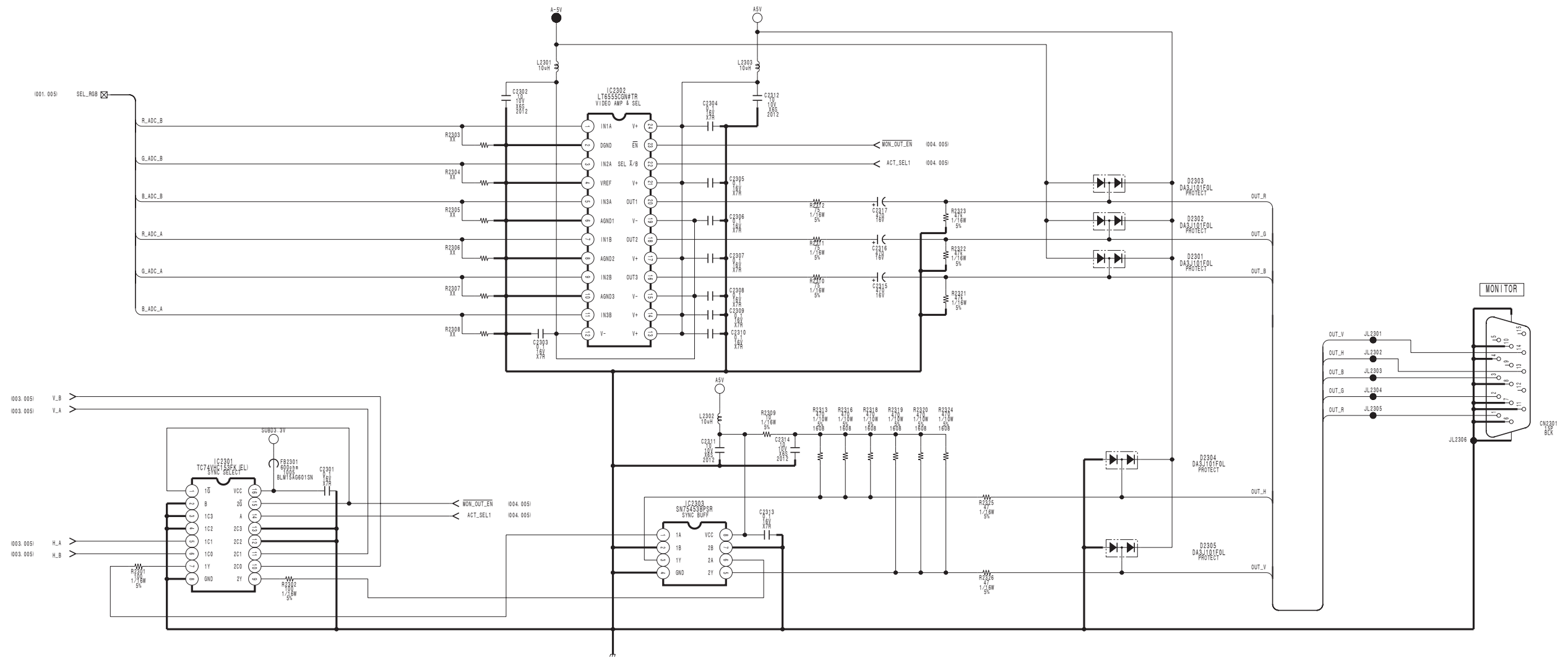
E

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H





1

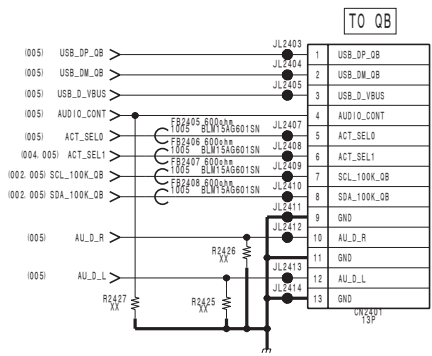
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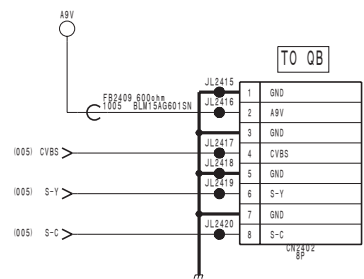
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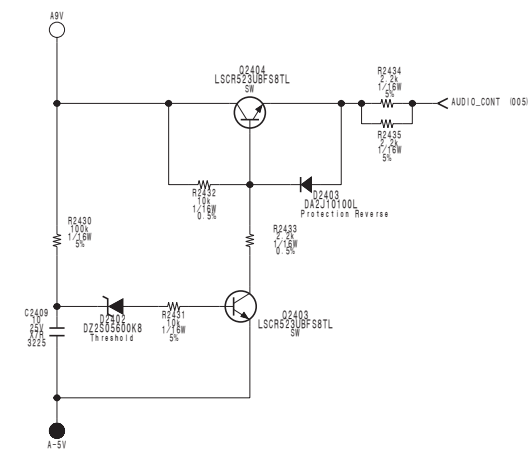
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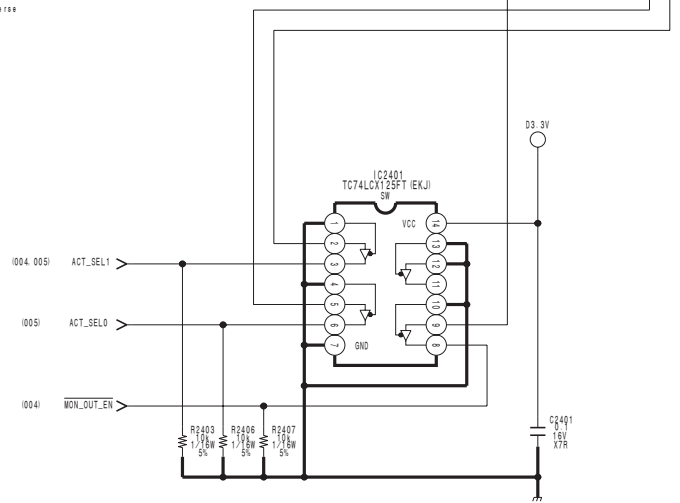
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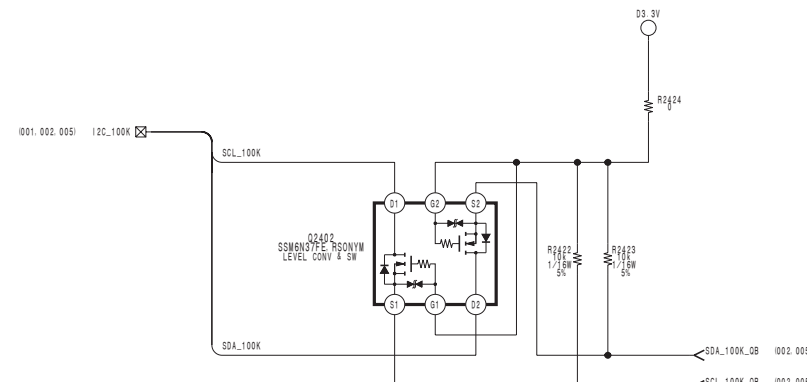
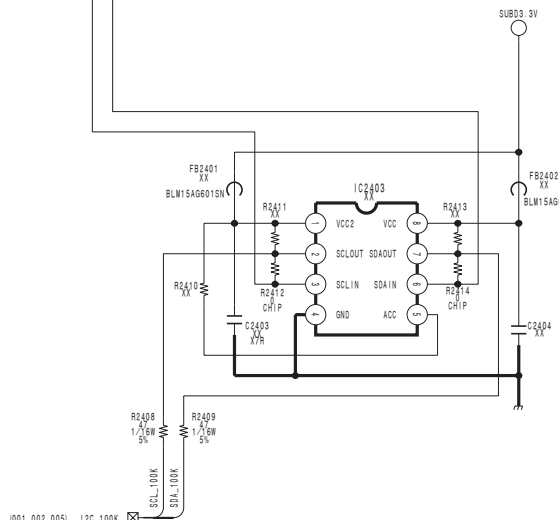
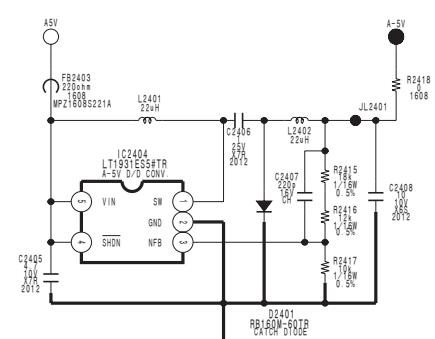
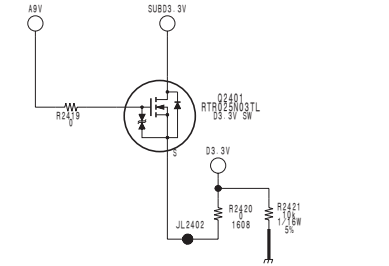
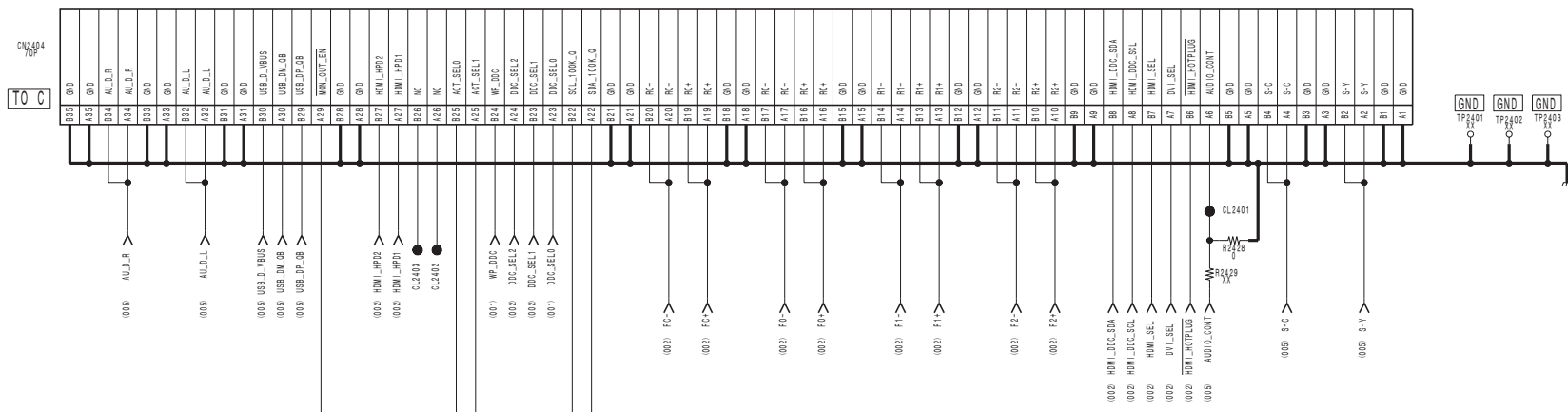
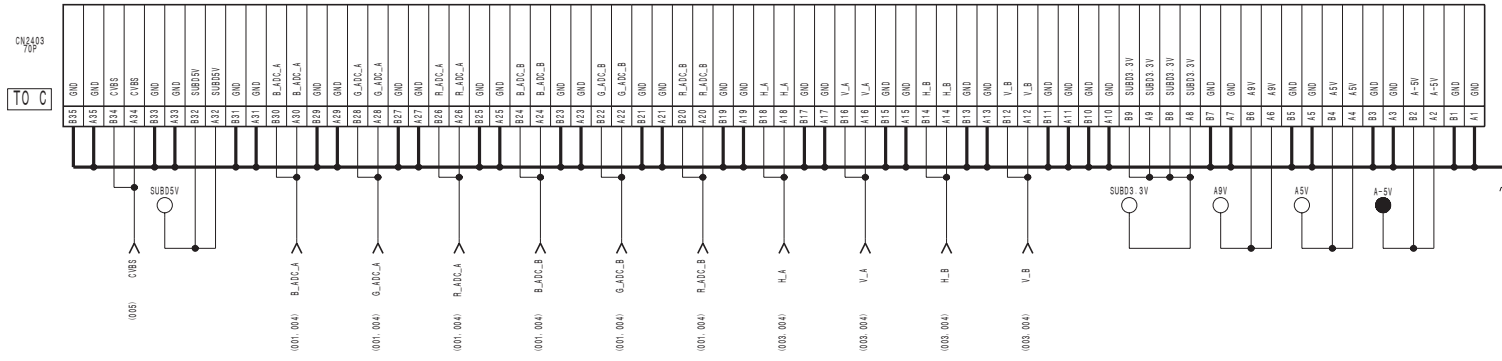
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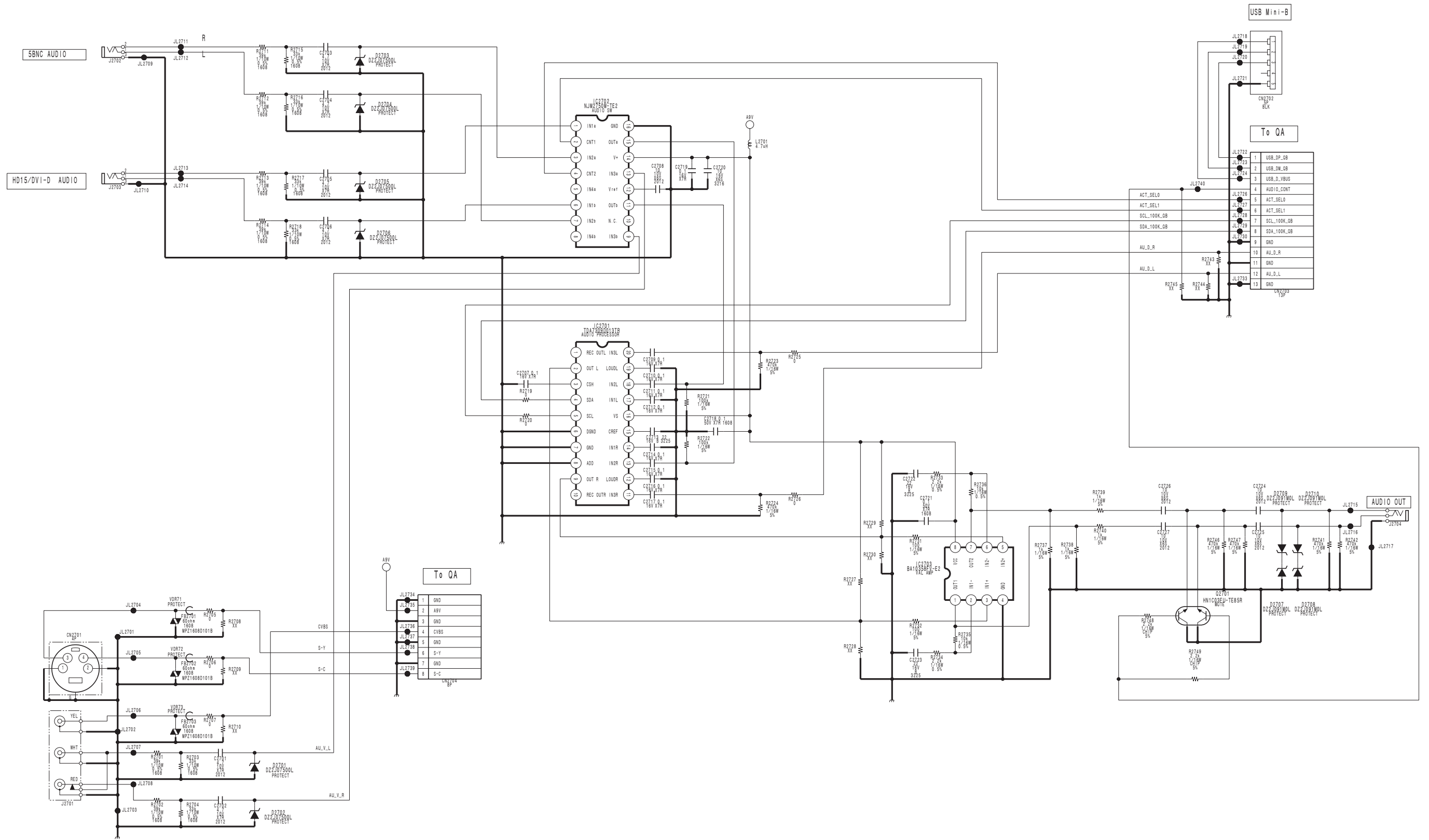


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5





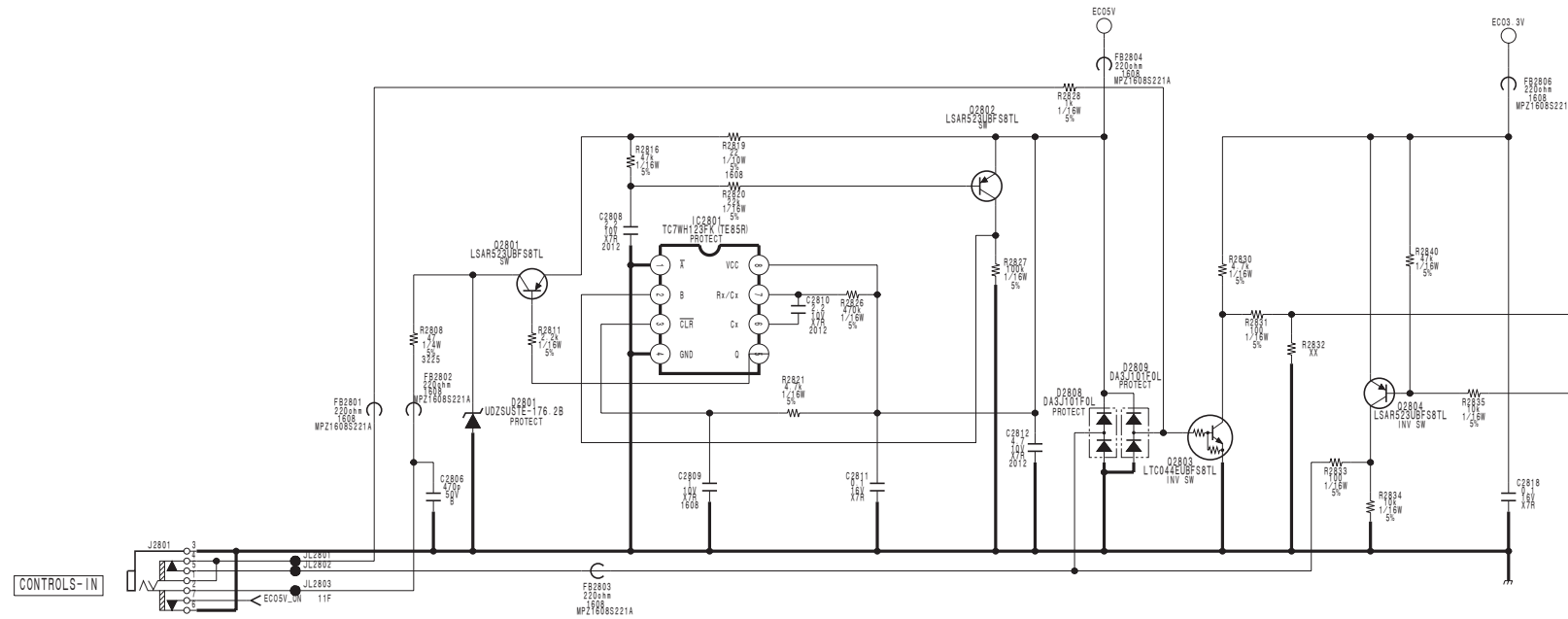
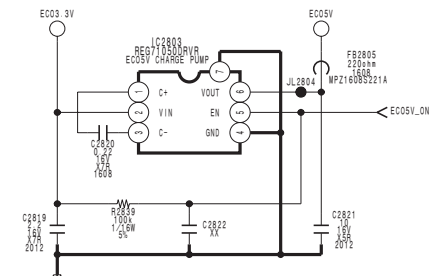
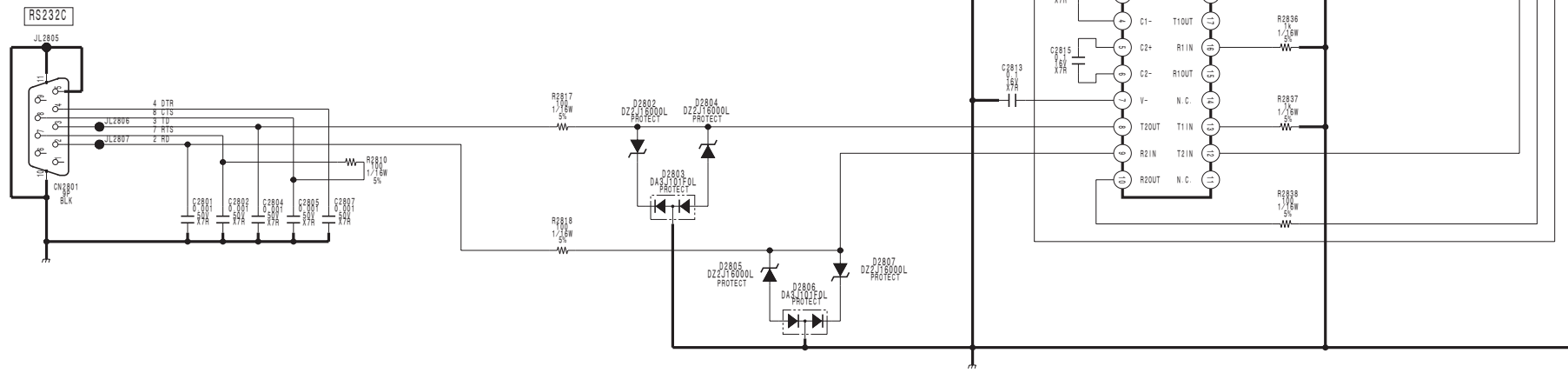
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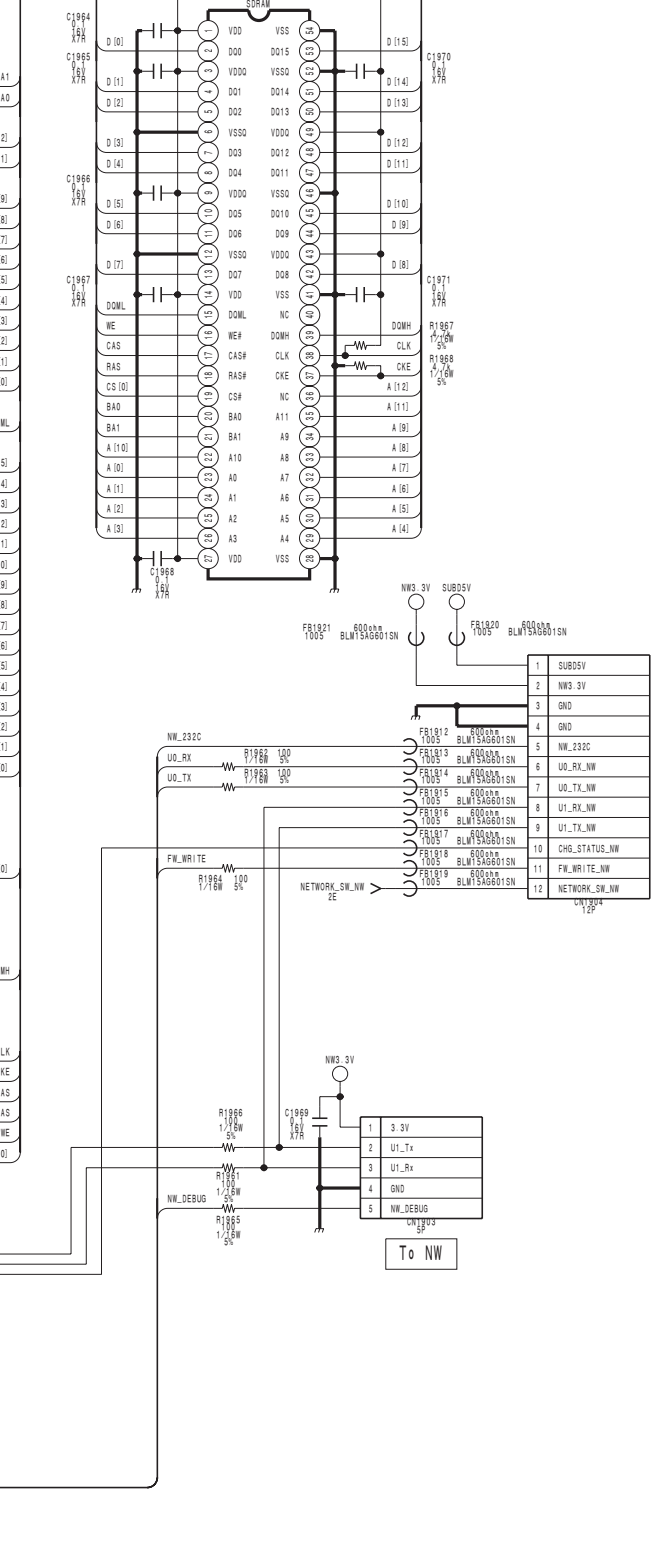
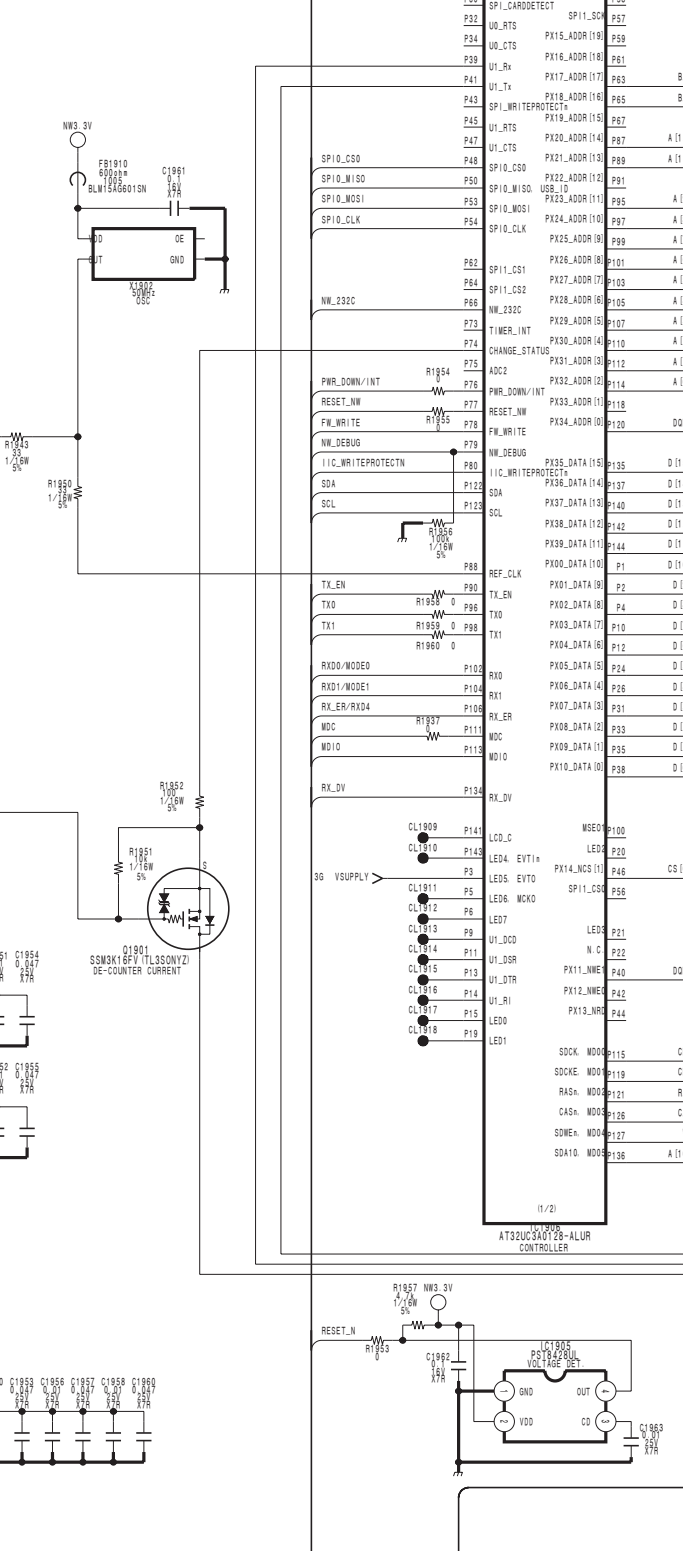
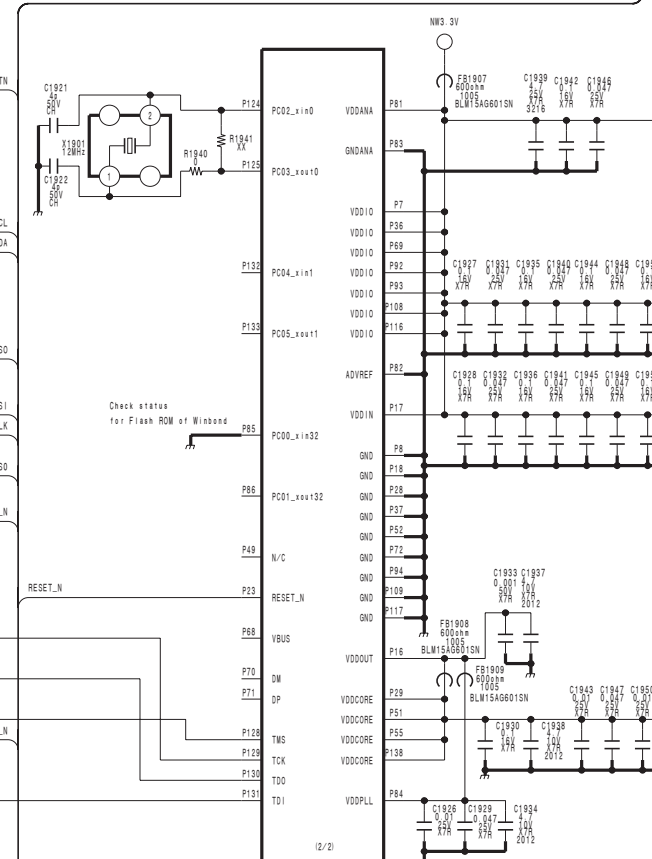
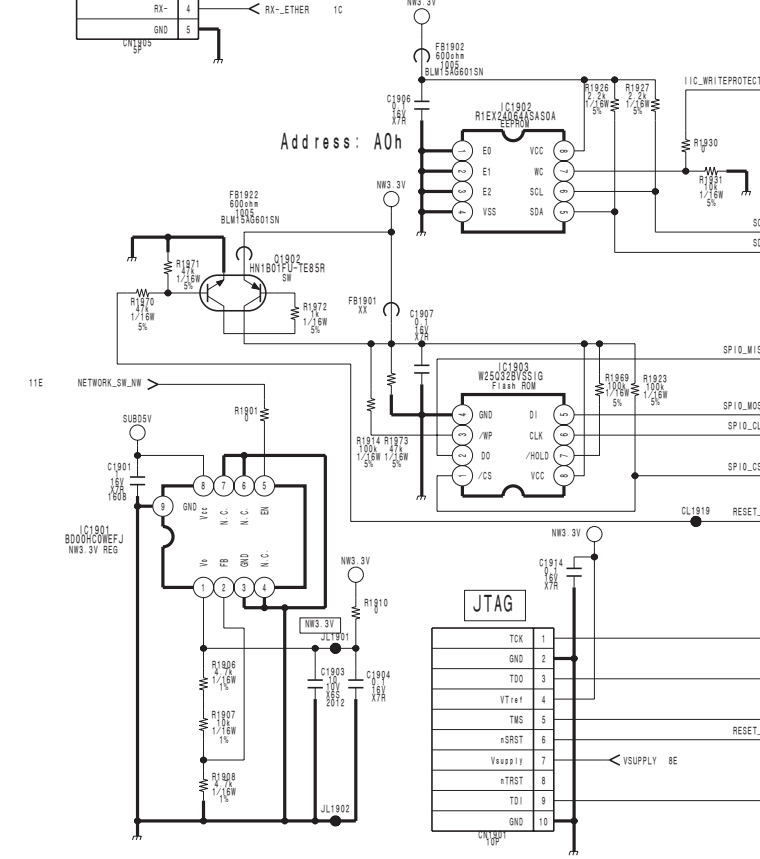
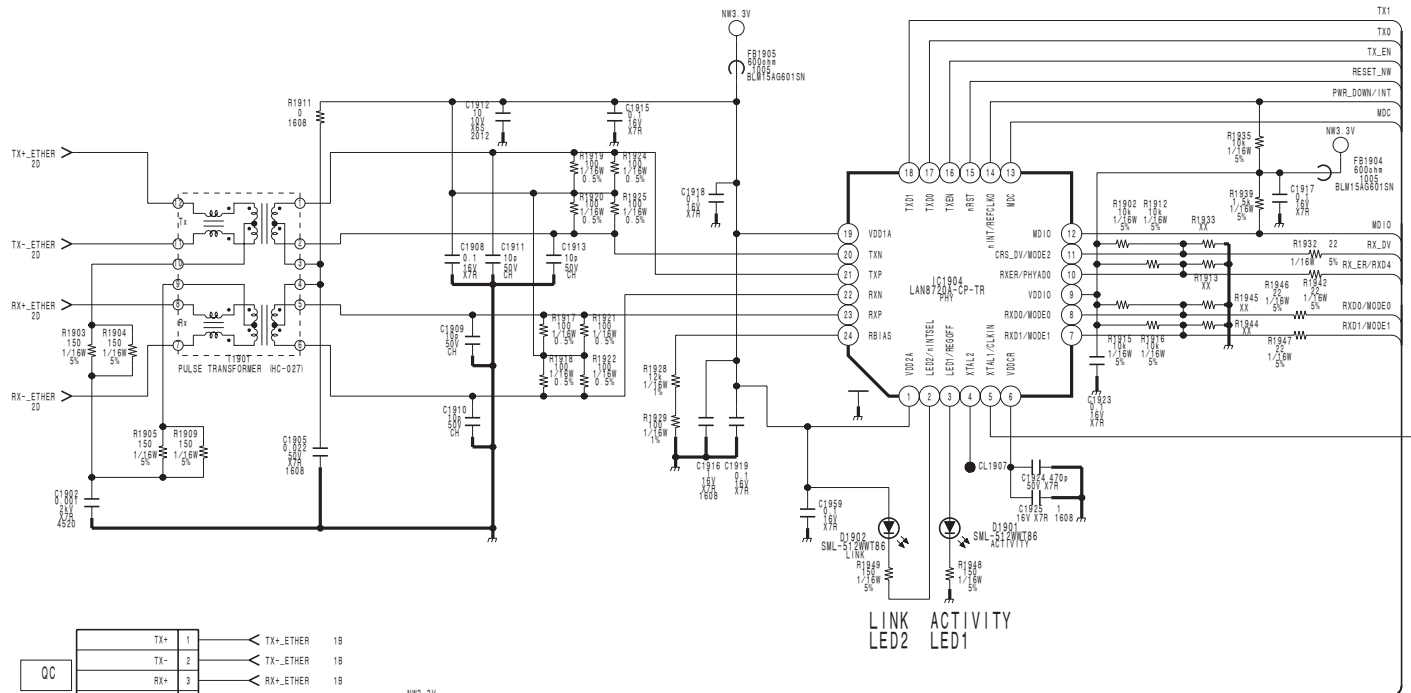
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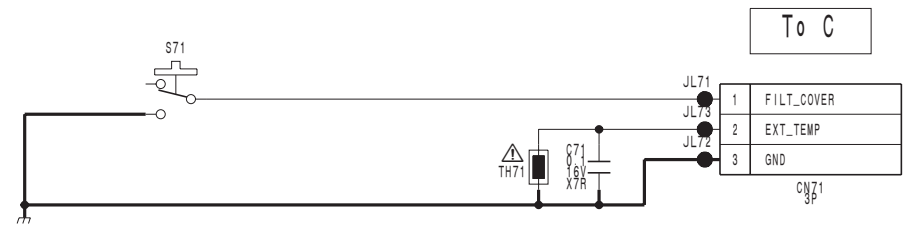
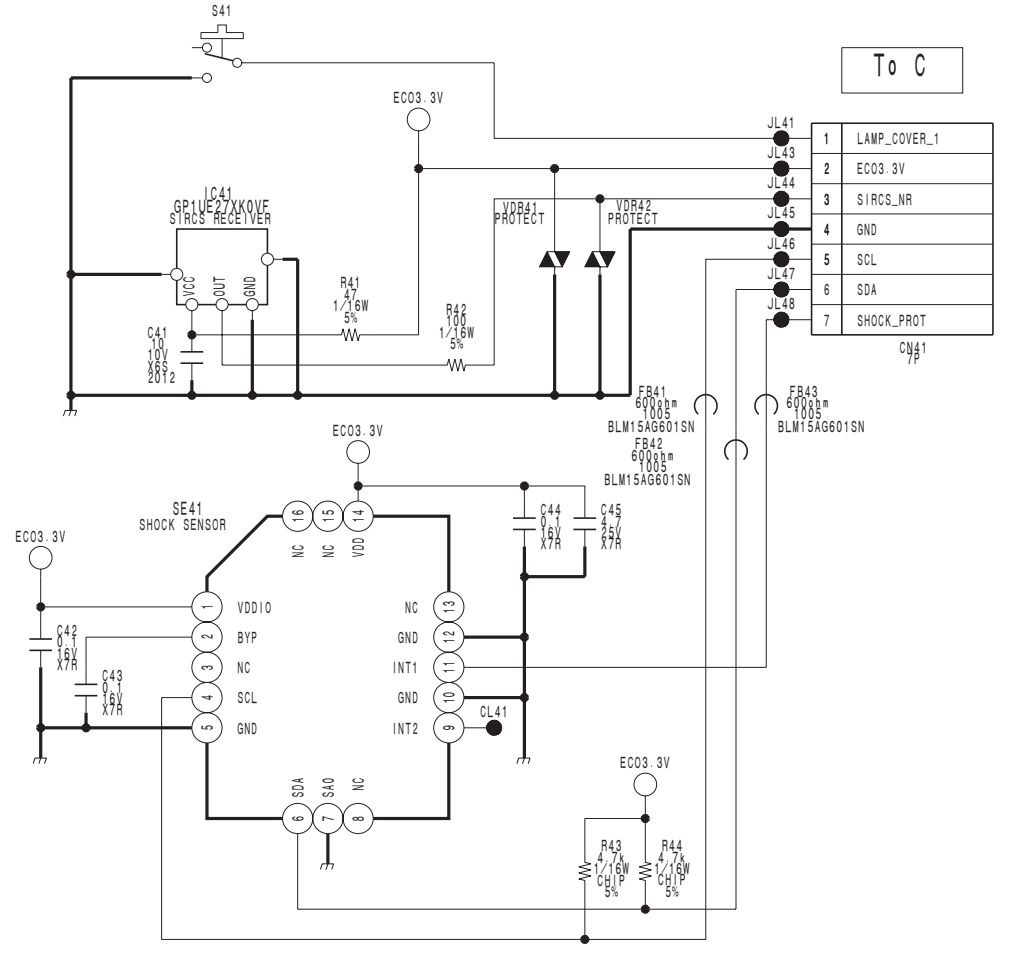
5





**U**  
SUFFIX: -11

**V**  
SUFFIX: -11



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A

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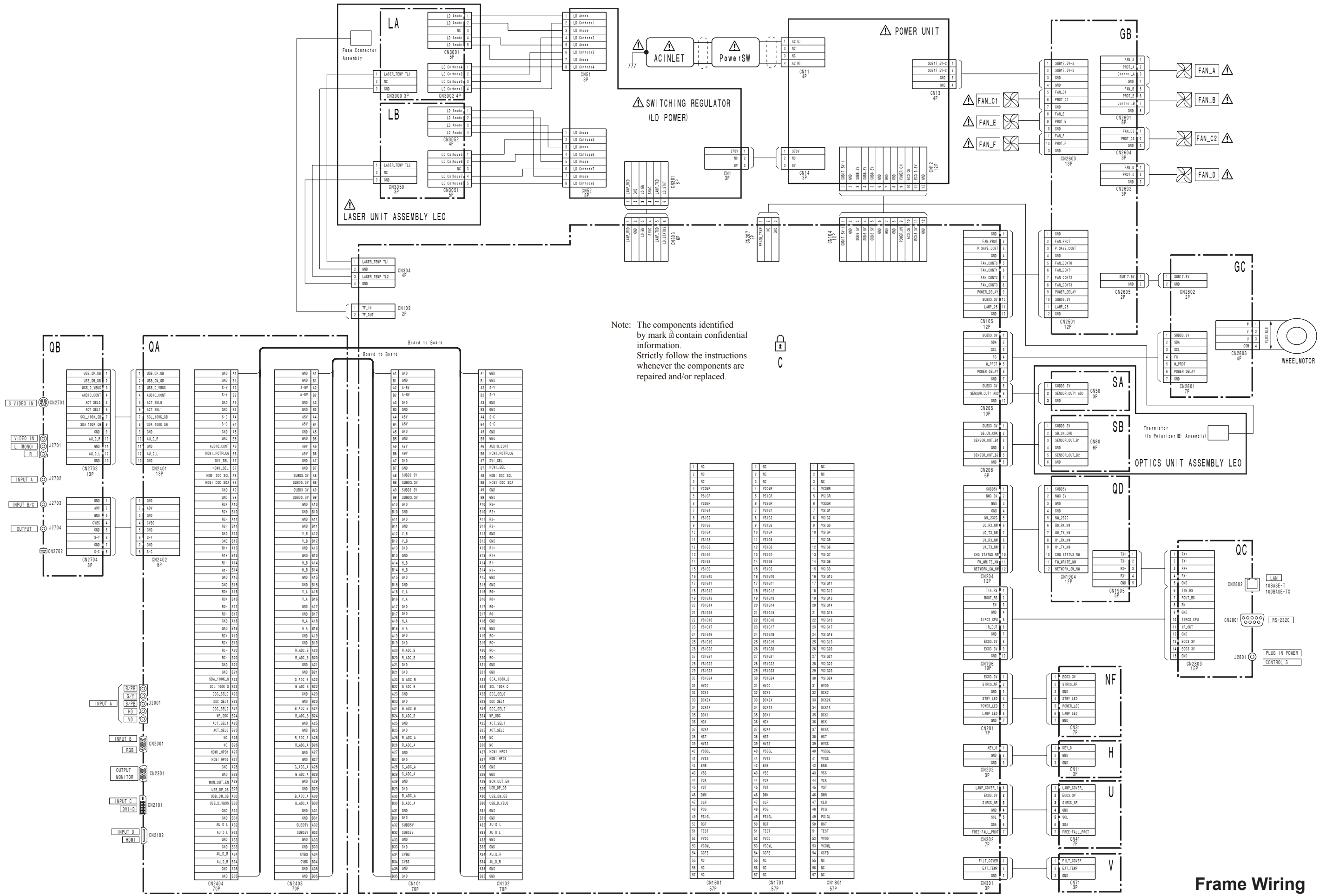
E

F

G

H

Frame Wiring Frame Wiring



Note: The components identified by mark contain confidential information. Strictly follow the instructions whenever the components are repaired and/or replaced.





## Section 6 Board Layouts

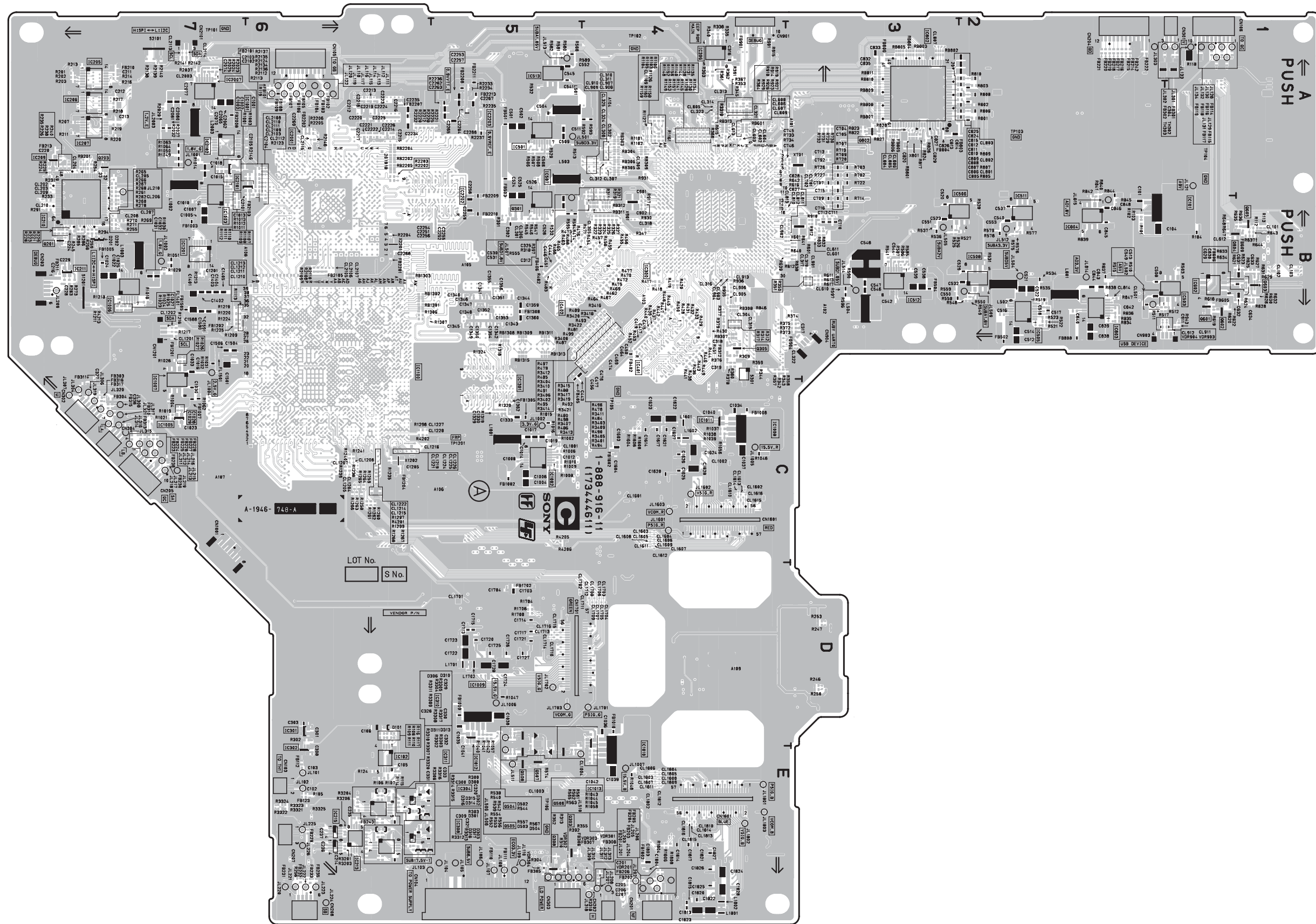
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QC	6-6
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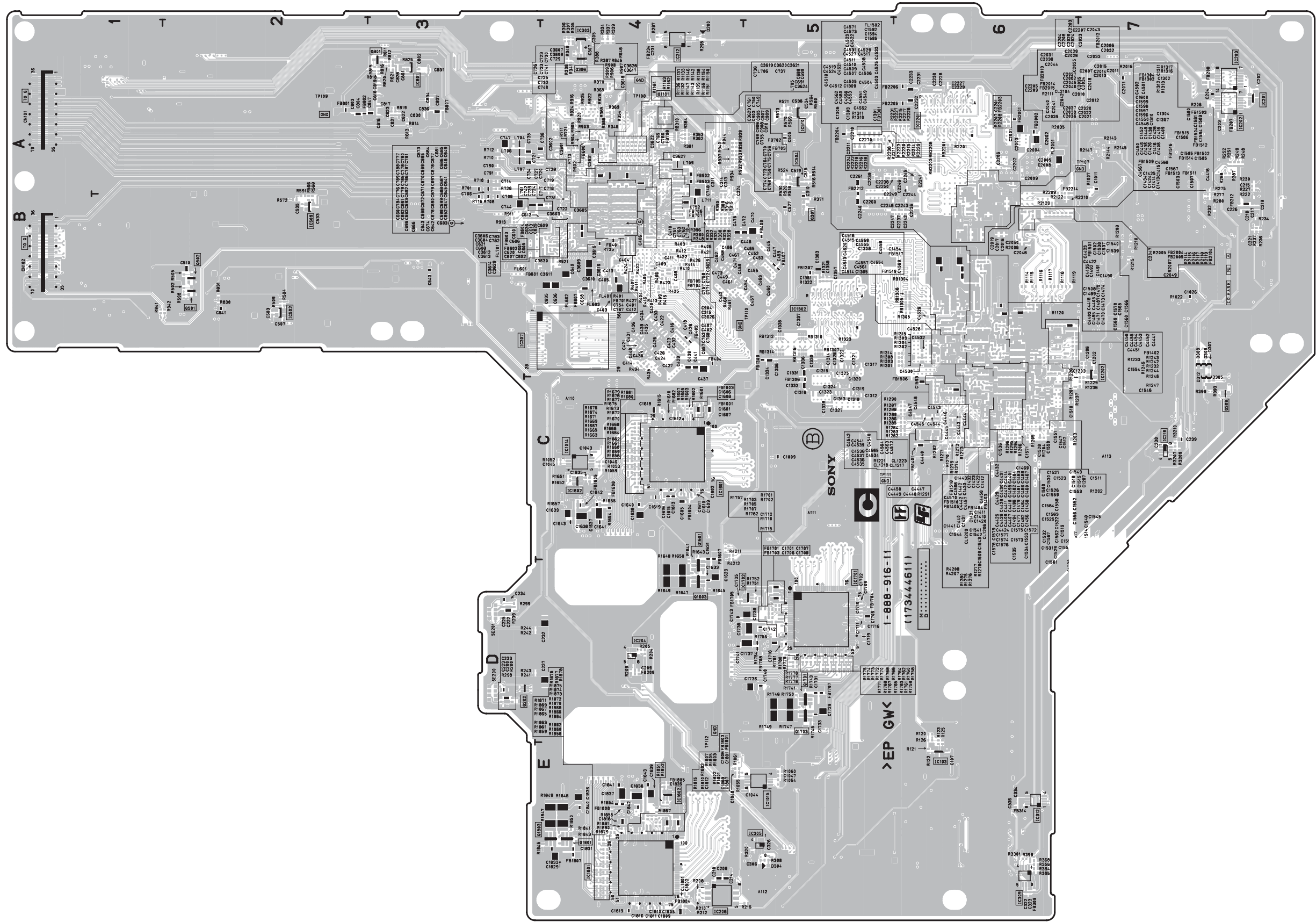
C (1-888-916-11)

\*:B SIDE

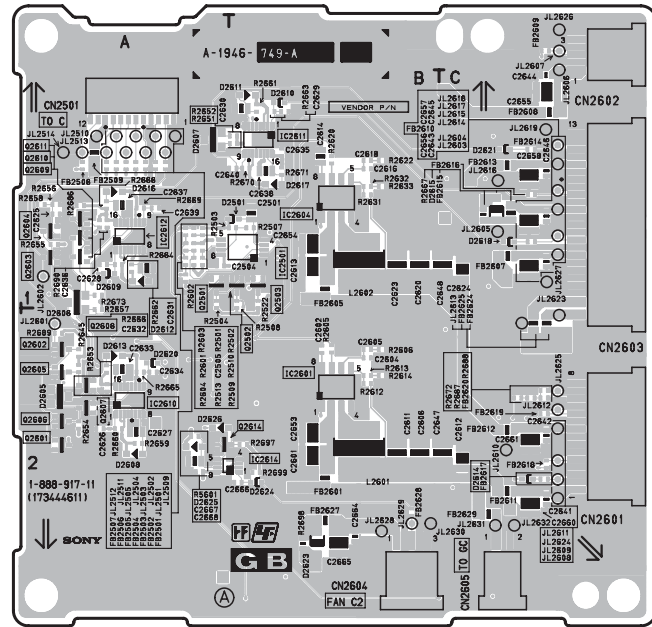
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D202	B7	Q203	A7
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D315	E5	Q508	E5
D316	E5	Q601	B1
D317	E5	Q602	B1
D318	E5	Q603	B1
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		Q1701	* D5
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IC207	A7	VDR904	B1
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IC1003	B7		
IC1005	C7		
IC1006	B7		
IC1007	C7		
IC1011	C4		
IC1012	E5		
IC1013	E4		
IC1014	* C4		
IC1015	* E5		
IC1201	B7		
IC1202	* B7		
IC1601	* C4		
IC1602	* C4		
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IC1801	* E4		
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IC2102	A7		
IC2203	A5		



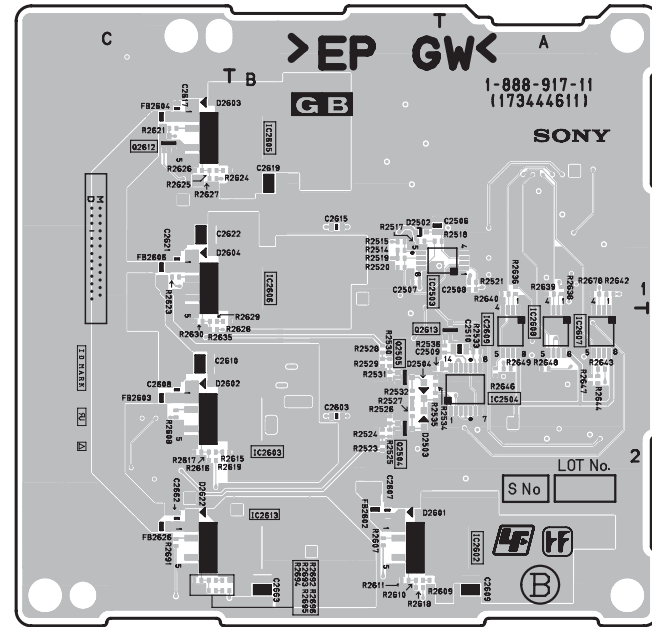
C -A SIDE-  
SUFFIX: -11



C - B SIDE-SUFFIX: -11



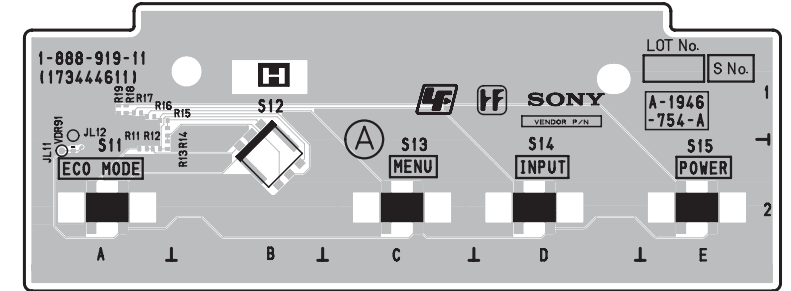
**GB -A SIDE-**  
SUFFIX: -11



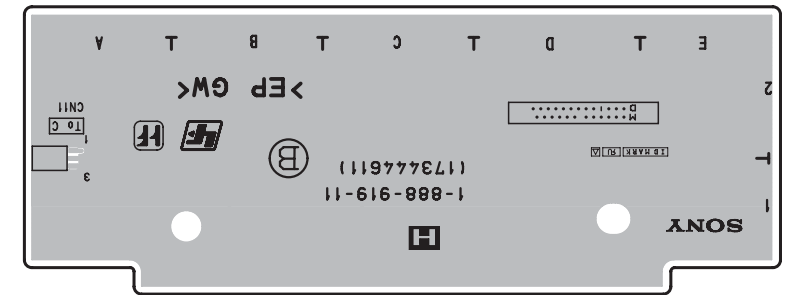
**GB -B SIDE-**  
SUFFIX: -11

H (1-888-919-11)

- S11 A2
- S12 B1
- S13 C2
- S14 D2
- S15 E2
- VDR91 A2



**H -A SIDE-**  
SUFFIX: -11

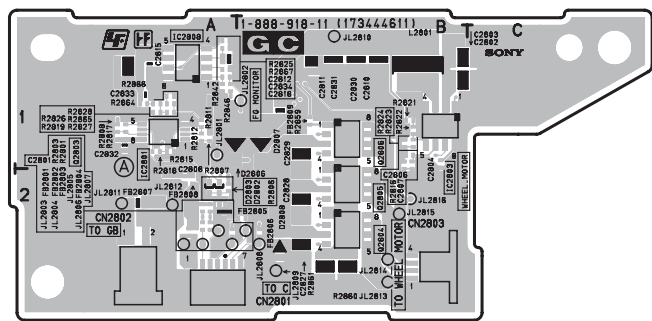


**H -B SIDE-**  
SUFFIX: -11

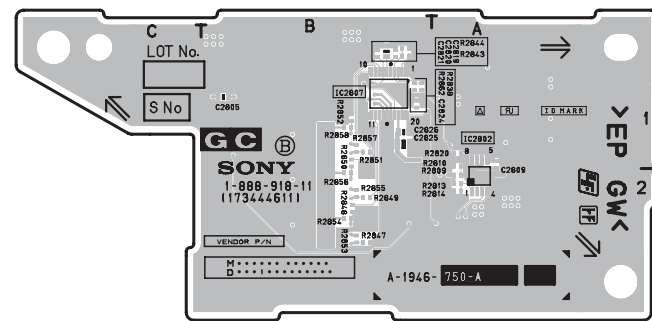
GB (1-888-917-11)

\*:B SIDE

D2503 * B2	D2607 A1	D2616 A1	D2626 A2	IC2609 * A2	Q2503 B1	Q2606 A2
D2504 * B2	D2608 A2	D2617 B1	D2627 A2	IC2610 A2	Q2504 * B2	Q2607 A2
D2601 * B2	D2609 A1	D2618 C1	D2628 A2	IC2611 B1	Q2505 * B2	Q2608 A2
D2602 * C2	D2610 B1	D2620 A2	D2629 A2	IC2612 A1	Q2601 A2	Q2609 A1
D2603 * C1	D2611 A1	D2621 C1	D2630 A2	IC2614 B2	Q2602 A2	Q2613 * B2
D2604 * C1	D2612 A2	D2622 * C2	D2631 A2	IC2604 B1	Q2603 A1	Q2614 B2
D2605 A2	D2613 A2	D2624 B2	D2632 A2	IC2607 * A2	Q2604 A1	
D2606 A2	D2614 C2	D2625 A2	D2633 A2	IC2608 * A2	Q2502 B2	



**GC -A SIDE-**  
SUFFIX: -11

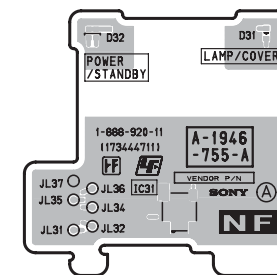


**GC -B SIDE-**  
SUFFIX: -11

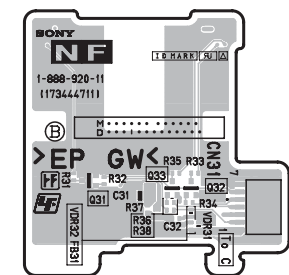
GC (1-888-918-11)

\*:B SIDE

D2802 B2	IC2807 * B1
D2803 B2	IC2808 A1
D2806 B2	
D2807 B1	Q2803 A1
	Q2804 B2
IC2801 A1	Q2805 B2
IC2802 * A1	Q2806 B1
IC2803 B2	



**NF -A SIDE-**  
SUFFIX: -11

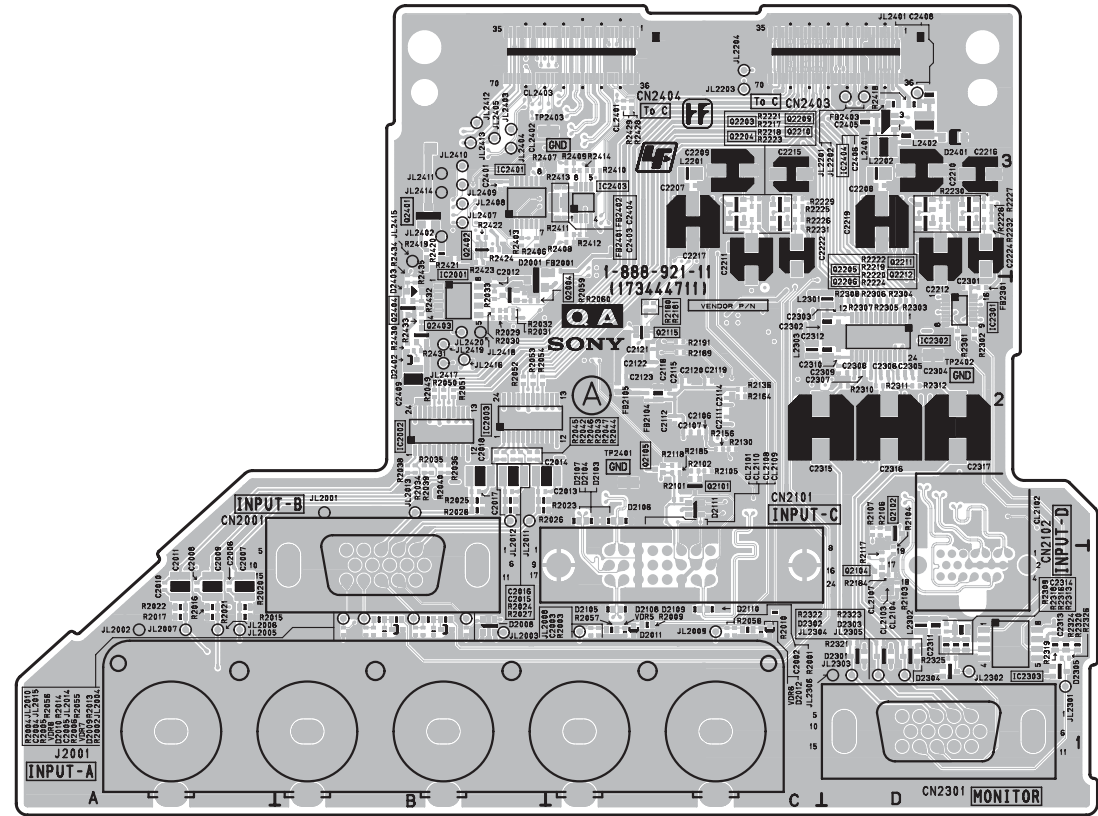


**NF -B SIDE-**  
SUFFIX: -11

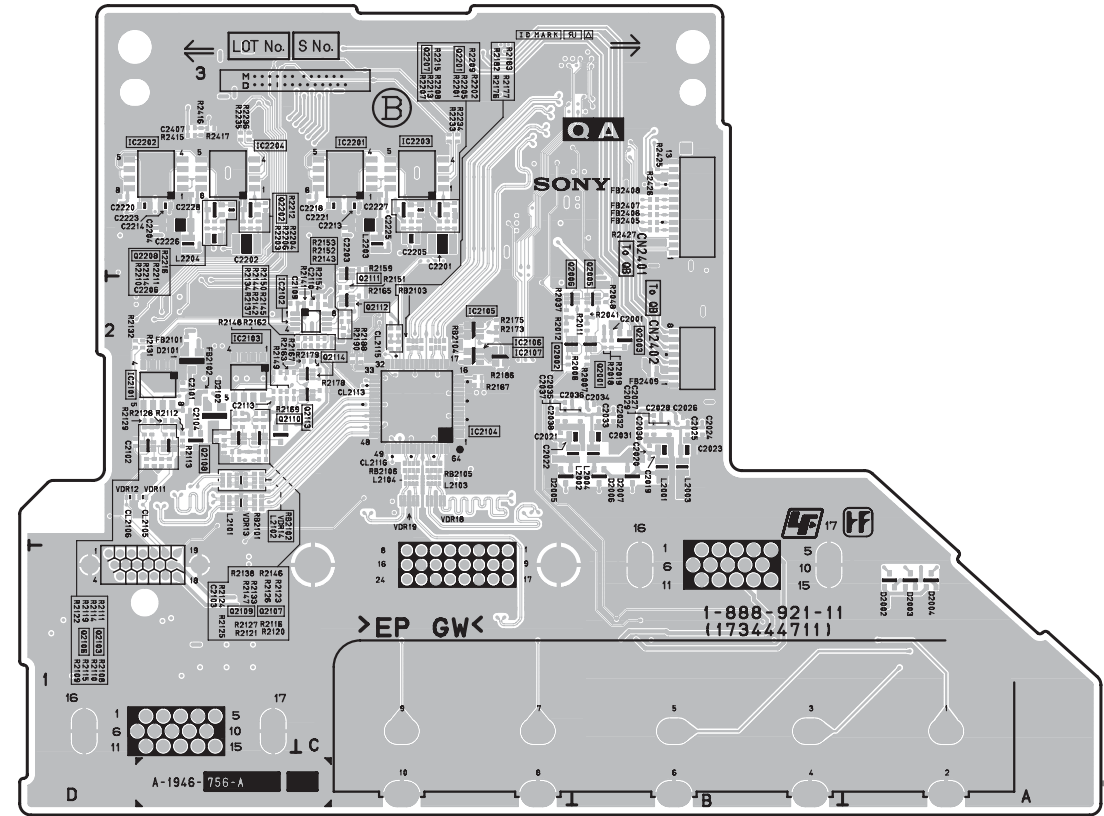
QA (1-888-921-11)

\*:B SIDE

D2001	B3	Q2001	* B2
D2002	* A1	Q2002	* C2
D2003	* A1	Q2003	* B2
D2004	* A1	Q2004	C2
D2005	* C2	Q2005	* B2
D2006	* B2	Q2006	* B2
D2007	* B2	Q2101	C2
D2008	B1	Q2102	D2
D2009	A1	Q2103	* D1
D2010	A1	Q2104	D1
D2011	C1	Q2105	C2
D2012	C1	Q2106	* D1
D2101	* D2	Q2107	* D1
D2102	* D2	Q2108	* D2
D2103	C2	Q2109	* D1
D2104	C2	Q2110	* D2
D2105	C1	Q2113	* C2
D2106	C2	Q2114	* C2
D2107	C2	Q2115	C2
D2108	C1	Q2201	* C3
D2109	C1	Q2202	* D3
D2110	C1	Q2203	C3
D2111	C2	Q2204	C3
D2301	D1	Q2205	D3
D2302	C1	Q2206	D2
D2303	D1	Q2207	* C3
D2304	D1	Q2208	* D3
D2305	D1	Q2209	C3
D2401	D3	Q2210	C3
D2402	B2	Q2211	D3
D2403	B2	Q2212	D3
		Q2401	B3
		Q2402	B3
IC2001	B3	Q2403	B2
IC2002	B2	Q2404	B2
IC2003	B2		
IC2101	* D2		
IC2102	* D2	VDR5	C1
IC2103	* D2	VDR6	C1
IC2104	* C2	VDR7	A1
IC2105	* C2	VDR8	A1
IC2106	* C2	VDR11	* D2
IC2107	* C2	VDR12	* D2
IC2201	* C3	VDR13	* D2
IC2202	* D3	VDR14	* D2
IC2203	* C3	VDR18	* C2
IC2204	* D3	VDR19	* C2
IC2301	D2		
IC2302	D2		
IC2303	D1		
IC2401	B3		
IC2404	D3		



QA -A SIDE-  
SUFFIX: -11

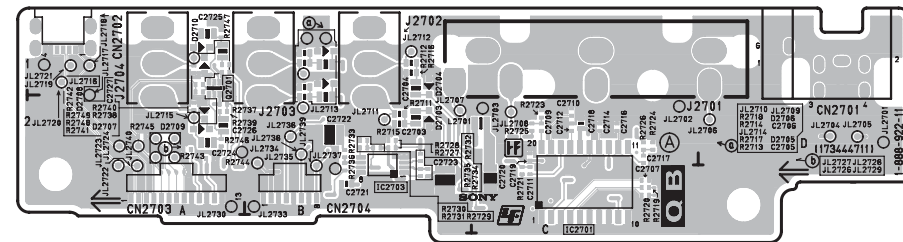


QA -B SIDE-  
SUFFIX: -11

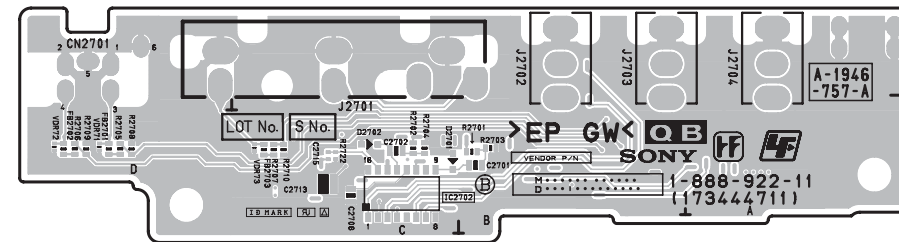
QB (1-888-922-11)

\*:B SIDE

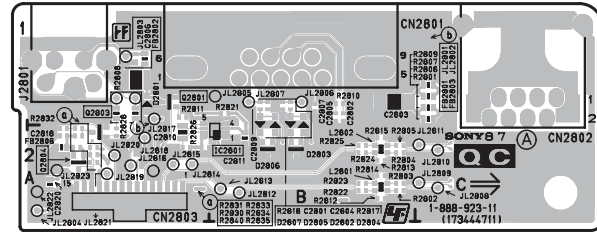
D2701	* C2	IC2701	C2
D2702	* C2	IC2702	* C2
D2703	B2	IC2703	B2
D2704	B1		
D2705	D2	Q2701	A1
D2706	D2		
D2707	A2	VDR71	* D2
D2708	A2	VDR72	* D2
D2709	A2	VDR73	* D2
D2710	A1		



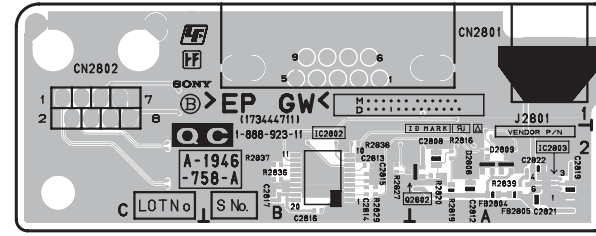
QB -A SIDE-  
SUFFIX: -11



QB -B SIDE-  
SUFFIX: -11



**QC - A SIDE-**  
SUFFIX: -11

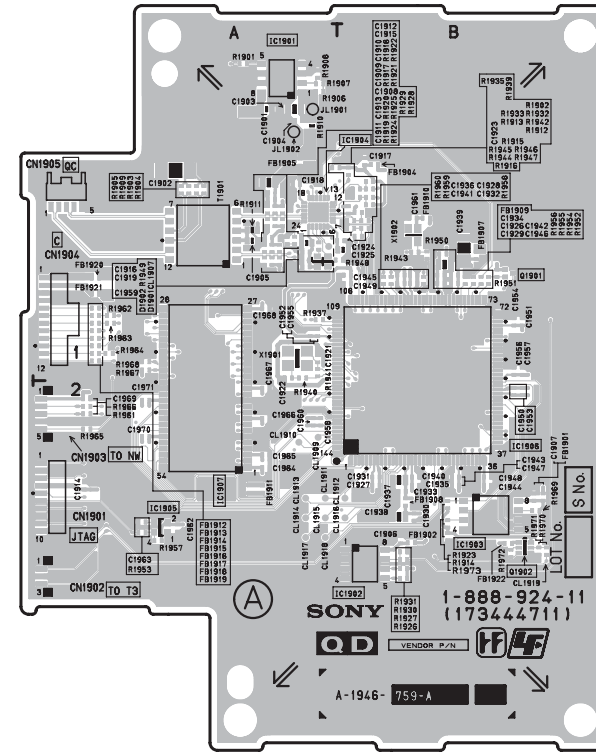


**QC - B SIDE-**  
SUFFIX: -11

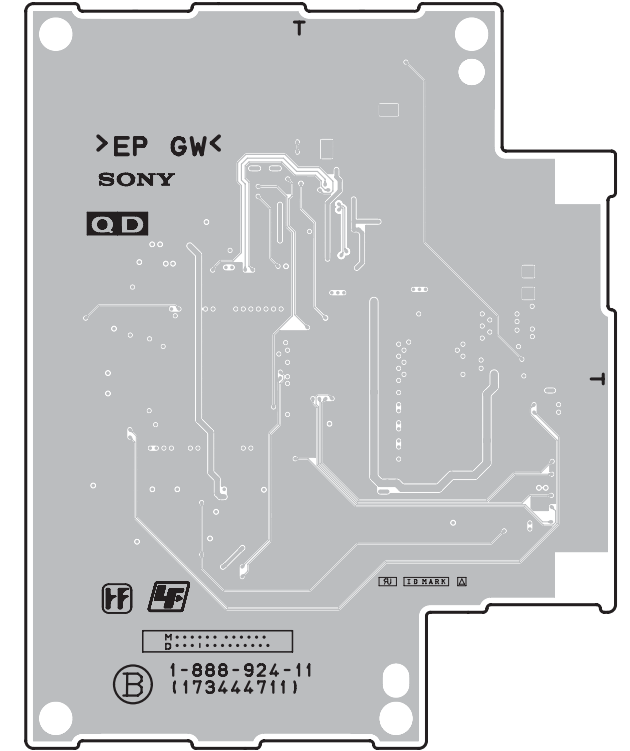
QC (1-888-923-11)

\*:B SIDE

D2801	A1	IC2801	B2
D2802	B2	IC2802	* B2
D2803	B2		
D2804	B2	Q2801	A1
D2805	B2	Q2802	* A2
D2806	B2	Q2803	A1
D2807	B2	Q2804	A2
D2808	* A2		
D2809	* A2		



**QD - A SIDE-**  
SUFFIX: -11



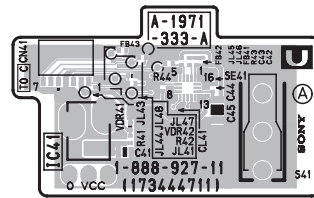
**QD - B SIDE-**  
SUFFIX: -11

QD (1-888-924-11)

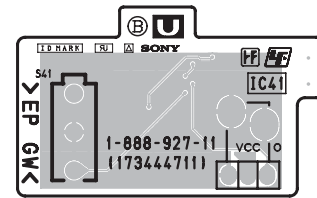
D1901	A1
D1902	A1

IC1902	B2
IC1905	A2
IC1906	B2
IC1907	A2

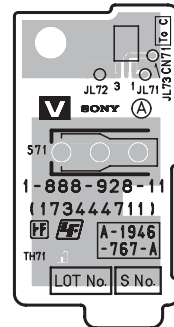
Q1901	B1
Q1902	B2
X1901	A1



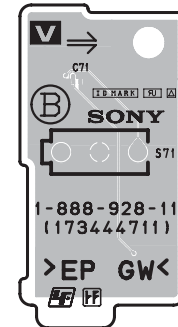
**U - A SIDE-**  
SUFFIX: -11



**U - B SIDE-**  
SUFFIX: -11



**V - A SIDE-**  
SUFFIX: -11



**V - B SIDE-**  
SUFFIX: -11



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