

SONY®

MASTER SETUP UNIT

MSU-950



MAINTENANCE MANUAL

1st Edition

Serial No. 100001 and Higher

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.

When using a modular jack cable:

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

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。
使用済の電池は、説明書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.
Dispose of used batteries according to the manufacturer's instructions.

Vorsicht!

Explosionsgefahr bei unsachgemäßem Austausch der Batterie.

Ersatz nur durch denselben oder einen vom Hersteller empfohlenen ähnlichen Typ. Entsorgung gebrauchter Batterien nach Angaben des Herstellers.

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.
Mettre au rebut les batteries usagées conformément aux instructions du fabricant.

ADVARSEL!

Lithiumbatteri-Eksplosionsfare ved fejlagtig håndtering.

Udskiftning må kun ske med batteri af samme fabrikat og type.
Levér det brugte batteri tilbage til leverandøren.

ADVARSEL

Lithiumbatteri - Eksplosjonsfare.
Ved utskifting benyttes kun batteri som anbefalt av apparatfabrikanten.
Brukt batteri returneres apparatleverandøren.

VARNING

Explosionsfara vid felaktigt batteribyte.
Använd samma batterityp eller en likvärdig typ som rekommenderas av apparatillverkaren.
Kassera använt batteri enligt gällande föreskrifter.

VAROITUS

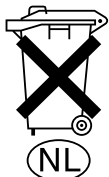
Paristo voi räjähtää jos se on virheellisesti asennettu.

Vaihda paristo ainoastaan laitevalmistajan suosittelemaan tyyppiin.
Hävitä käytetty paristo valmistajan ohjeiden mukaisesti.

For the customers in the Netherlands Voor de klanten in Nederland

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

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



Für Kunden in Deutschland

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

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Manual Structure

Purpose of this manual

This manual is the maintenance manual of Master Setup Unit MSU-950. This manual describes the information items on maintenance, and items that premise the service based on the components parts such as service overview, parts list, semiconductor pin assignments, block diagrams, schematic diagrams and board layouts, assuming use of system and service engineers.

Related manuals

Besides this “maintenance manual”, the following manuals are available for this unit.

- **Operation Manual (Supplied with the MSU-950)**

Part No.: 3-872-649-0X

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

- **“Semiconductor Pin Assignments” CD-ROM (Available on request)**

This “Semiconductor Pin Assignments” CD-ROM allows you to search for semiconductors used in B&P Company equipment.

The service manual contains a complete list of semiconductors and their ID Nos., and thus should be used together with the CD-ROM.

Part number: 9-968-546-XX

Section 1

Service Overview

1-1. Installation

1-1-1. Installation Conditions and Dimensions

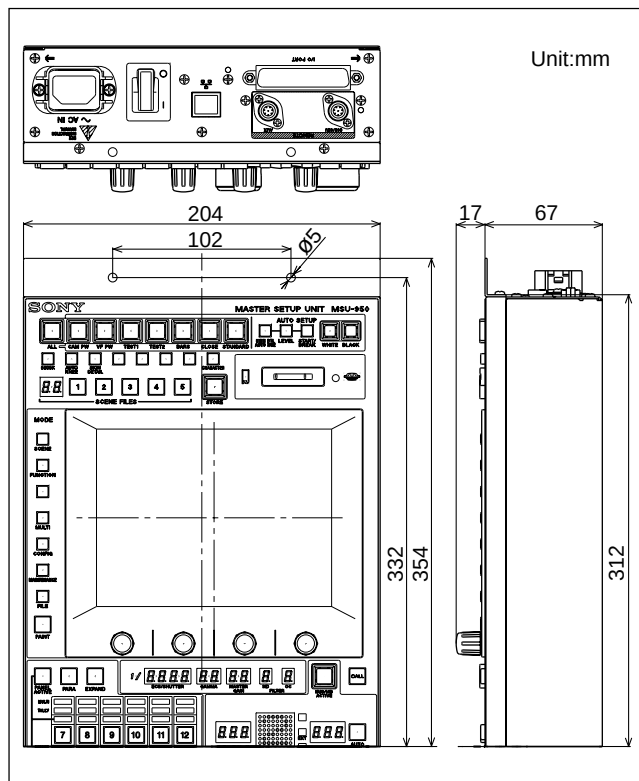
CAUTION

When installing the unit into the console or drawer, incorporate a breaker for the emergency protection.

Install the unit in the following conditions.

Operating temperature: 5 °C to +40 °C

Humidity: No condense



1-1-2. Voltage and Power Requirements

Power voltage: AC 100 to 240 V

Power frequency: 50 Hz or 60 Hz

Power consumption: 0.35 A

1-1-3. Recommended Power Cord

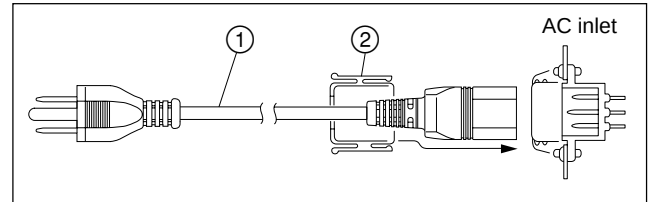
WARNING

- Never use an injured power cord. It may cause a fire or electric shock.
- The power cord is not supplied in this unit. Use the specified power cord when connecting.

To get a power cord, please contact your local Sony Sales Office/service Center.

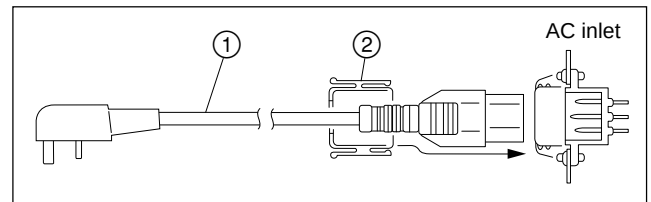
Power cord for the customer in U.S.A. and Canada.

- ① Power cord 125V 10A (approx. 2.4 m): 1-551-812-11
- ② Plug holder (Black): 2-990-242-01



Power cord for the customer in the United Kingdom.

- ① DK-2401(UK) Power cord 250V 10A (approx. 2.4 m)
 - ② Plug holder (Black) 2-990-242-01
- Plug holder is included in DK-2401(UK).



If the specified power cord is required, contact your local Sony Sales Office/Service Center.

WARNING

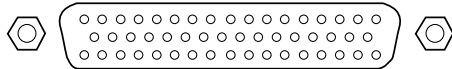
- Use the approved power Cord (3-core mains lead)/Appliance Connector/Plug with earth connection that conforms to the safety regulations of each country if applicable.
- Use the Power Cord (3-core mains lead)/Appliance Connector/Plug Conforming to the proper ratings (Voltage, Ampere)

1-2. Matching Connector/Cable

1-2-1. Connector Input/Output Signals

The input and output signals of the connectors are described below.

I/O PORT (50-pin, Female) (Used for future extension.)



<Rear panel>

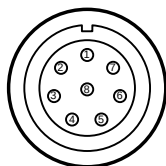
Pin No.	Signal name	Specification
1	EXT I/O-00	INPUT/OUTPUT PORT (*1)
2	EXT I/O-03	INPUT/OUTPUT PORT (*1)
3	EXT I/O-06	INPUT/OUTPUT PORT (*1)
4	EXT I/O-11	INPUT/OUTPUT PORT (*1)
5	EXT I/O-14	INPUT/OUTPUT PORT (*1)
6	EXT I/O-17	INPUT/OUTPUT PORT (*1)
7	EXT I/O-22	INPUT/OUTPUT PORT (*1)
8	EXT I/O-25	INPUT/OUTPUT PORT (*1)
9	EXT I/O-30	INPUT/OUTPUT PORT (*1)
10	EXT I/O-33	INPUT/OUTPUT PORT (*1)
11	EXT I/O-36	INPUT/OUTPUT PORT (*1)
12	EXT I/O-41	OUTPUT PORT (*1)
13	EXT I/O-44	INPUT PORT (*1)
14	EXT I/O-47	INPUT PORT (*1)
15	+12 V OUT	Utility power 12 V
16	+12 V OUT	Utility power 12 V
17	SPARE	No connection
18	EXT I/O-01	INPUT/OUTPUT PORT (*1)
19	EXT I/O-04	INPUT/OUTPUT PORT (*1)
20	EXT I/O-07	INPUT/OUTPUT PORT (*1)
21	EXT I/O-12	INPUT/OUTPUT PORT (*1)
22	EXT I/O-15	INPUT/OUTPUT PORT (*1)
23	EXT I/O-20	INPUT/OUTPUT PORT (*1)
24	EXT I/O-23	INPUT/OUTPUT PORT (*1)
25	EXT I/O-26	INPUT/OUTPUT PORT (*1)

Pin No.	Signal name	Specification
26	EXT I/O-31	INPUT/OUTPUT PORT (*1)
27	EXT I/O-34	INPUT/OUTPUT PORT (*1)
28	EXT I/O-37	INPUT/OUTPUT PORT (*1)
29	EXT I/O-42	OUTPUT PORT (*1)
30	EXT I/O-45	INPUT PORT (*1)
31	+5 V OUT	Utility power 5 V
32	GND (+5 V)	GND for utility power 5 V
33	GND (+12 V)	GND for utility power 12 V
34	EXT I/O-02	INPUT/OUTPUT PORT (*1)
35	EXT I/O-05	INPUT/OUTPUT PORT (*1)
36	EXT I/O-10	INPUT/OUTPUT PORT (*1)
37	EXT I/O-13	INPUT/OUTPUT PORT (*1)
38	EXT I/O-16	INPUT/OUTPUT PORT (*1)
39	EXT I/O-21	INPUT/OUTPUT PORT (*1)
40	EXT I/O-24	INPUT/OUTPUT PORT (*1)
41	EXT I/O-27	INPUT/OUTPUT PORT (*1)
42	EXT I/O-32	INPUT/OUTPUT PORT (*1)
43	EXT I/O-35	INPUT/OUTPUT PORT (*1)
44	EXT I/O-40	OUTPUT PORT (*1)
45	EXT I/O-43	OUTPUT PORT (*1)
46	EXT I/O-46	INPUT PORT (*1)
47	+5 V OUT	Utility power 5 V
48	GND (+5 V)	GND for utility power 5 V
49	GND (+12 V)	GND for utility power 12 V
50	SPARE	No connection

(*1): INPUT ON: 5 V
OFF: 0 V
OUTPUT TTL LEVEL
Darlington transistor drive
One port: max 5 mA
(VEXT: 1.5 V, RETX: 1.1 k Ω)
All ports total: max 60 mA

REMOTE (8-pin, Female)

- AUX (Used for future extension.)
- CCU/CNU

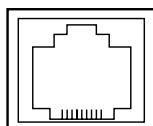


<Rear panel>

Pin No.	Signal name	Specification
1	TX (+)	MSU Serial data
2	TX (-)	MSU Serial data
3	RX (+)	CCU/CNU/AUX Serial data
4	RX (-)	CCU/CNU/AUX Serial data
5	TX GND	GND for TX
6	POWER (+)	Not used
7	POWER (-)	Not used
8	SPARE	—
	CHASSIS GND	Chassis GND

Ethernet (8-pin) (Used for future extension.)

- RJ-45 modular jack (8-pin)
- 100BASE-TX
- IEEE802.3u



<Rear panel>

Pin No.	Signal name	I/O	Specification
1	TX (+)	O	Transmitted data (+)
2	TX (-)	O	Transmitted data (-)
3	RX (+)	I	Received data (+)
4	—	—	No Connection
5	—	—	No Connection
6	RX (-)	I	Received data (-)
7	—	—	No Connection
8	—	—	No Connection

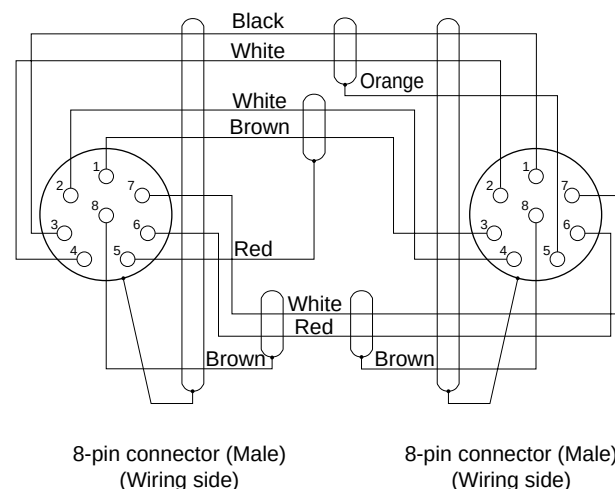
1-2-2. Connection Connector

Connection made with the rear panel during installation or service, should be made with the connectors/complete cable assemblies specified in the following list, or equivalent parts.

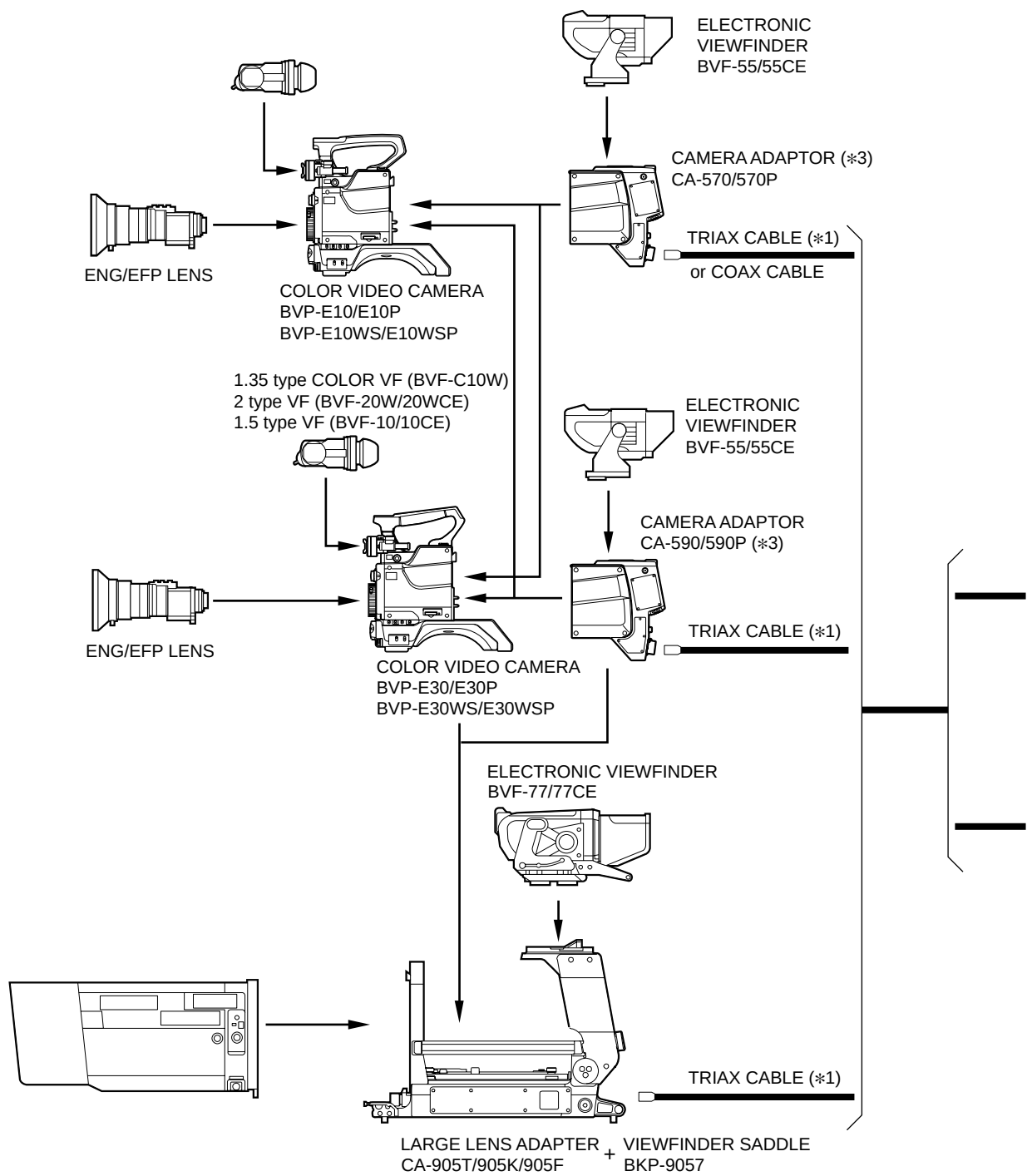
Connector function name on the rear panel	Connector name and part number on the connected cable side
REMOTE AUX (8-pin) REMOTE CCU/CNU (8-pin)	Plug 8-pin, Male (Sony part number: 1-766-848-11) or CCA-5-3 cable assembly (3 m) CCA-5-10 (10 m)
I/O PORT (50-pin)	Plug, D-SUB 50-pin, Male (Sony part number: 1-566-358-11) or JAE DDU-50PF-F0 or equivalent
Ethernet (8-pin)	RJ-45 modular jack (8-pin) 100BASE-TX IEEE802.3u

1-2-3. Wiring Diagram for Cable

CCA-5 cable (connection diagram)



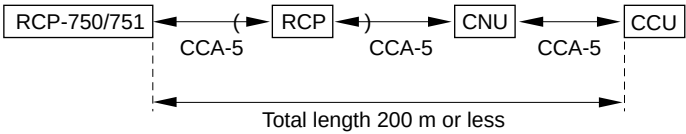
1-3. Instance of System Configuration



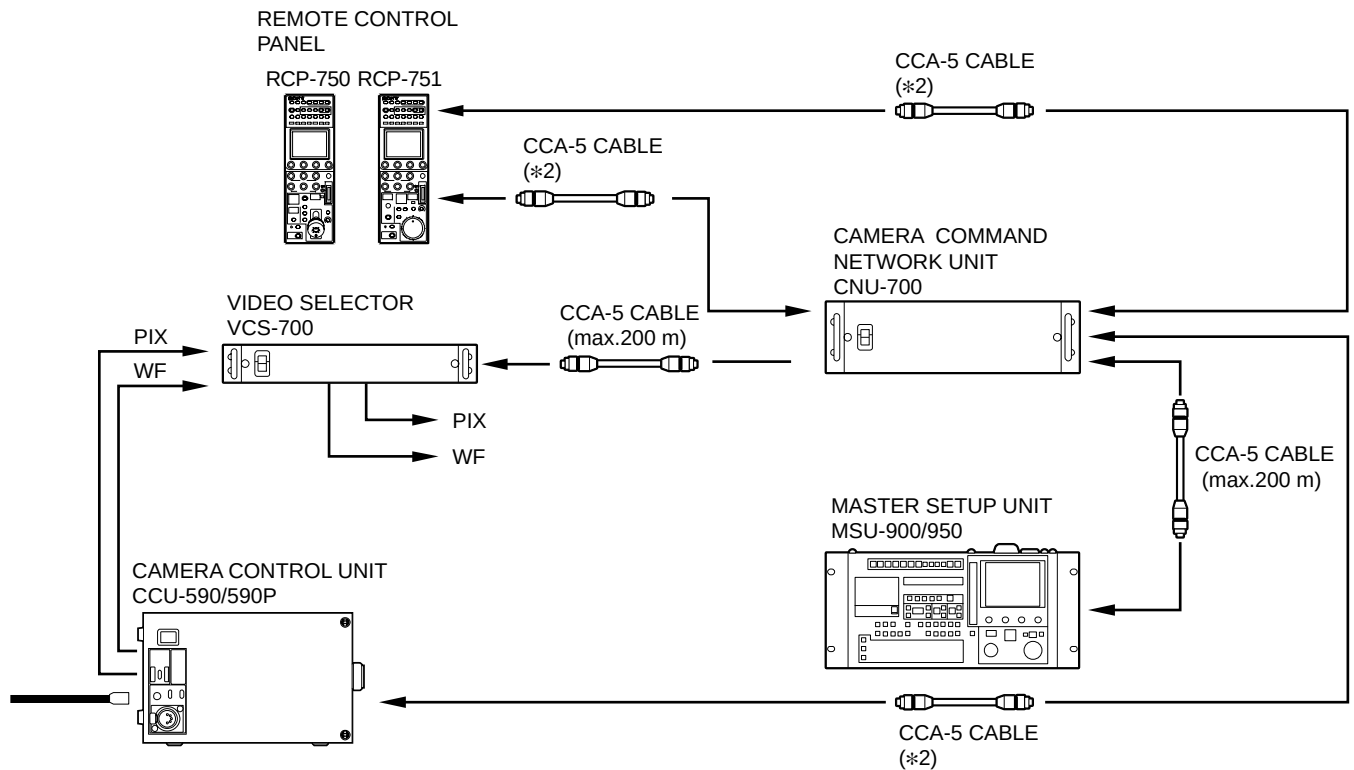
*1: TRIAX cable length (Fujikura)

Diameter	Extensible length	Cable-length limitation for prompter signal transmission
8.5 mm	700 m	500 m
14.5 mm	1400 m	1000 m

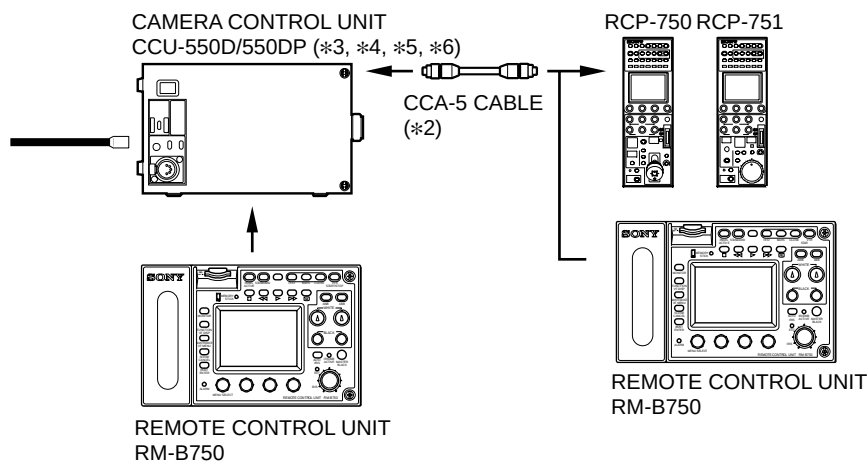
*2: CCA-5 cable length



System with CNU-700



System without CNU-700



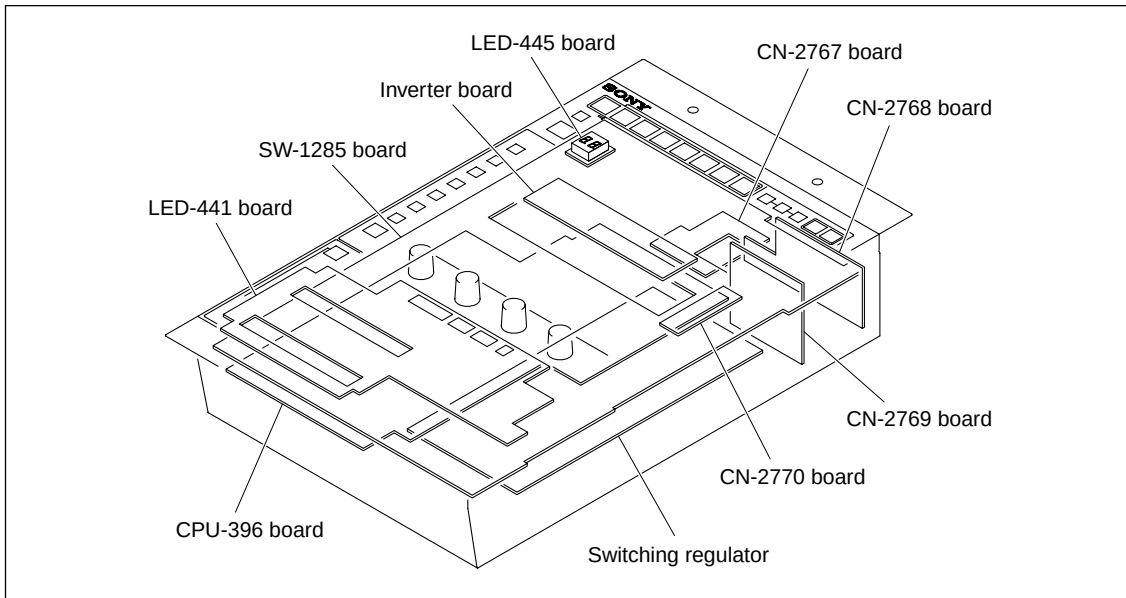
*3: When the CA-570/570P/590/590P is connected with the CCU-550D/550DP, use of intercom transmission channel is limited to only one channel. In this case, use the INCOM 1 connector of the CA-570/570P/590/590P.

*4: The CCU-550D/550DP incorporating the DC Power Unit BKP-5974 cannot be used together with the CA-905K/905F. Don't use the CCU-550D/550DP incorporating the BKP-5974 when using the CA-905K/905F.

*5: The viewfinder BVF-7700 cannot be used together with CCU-550D/550DP. Be sure to use the CCU-700A/700AP.

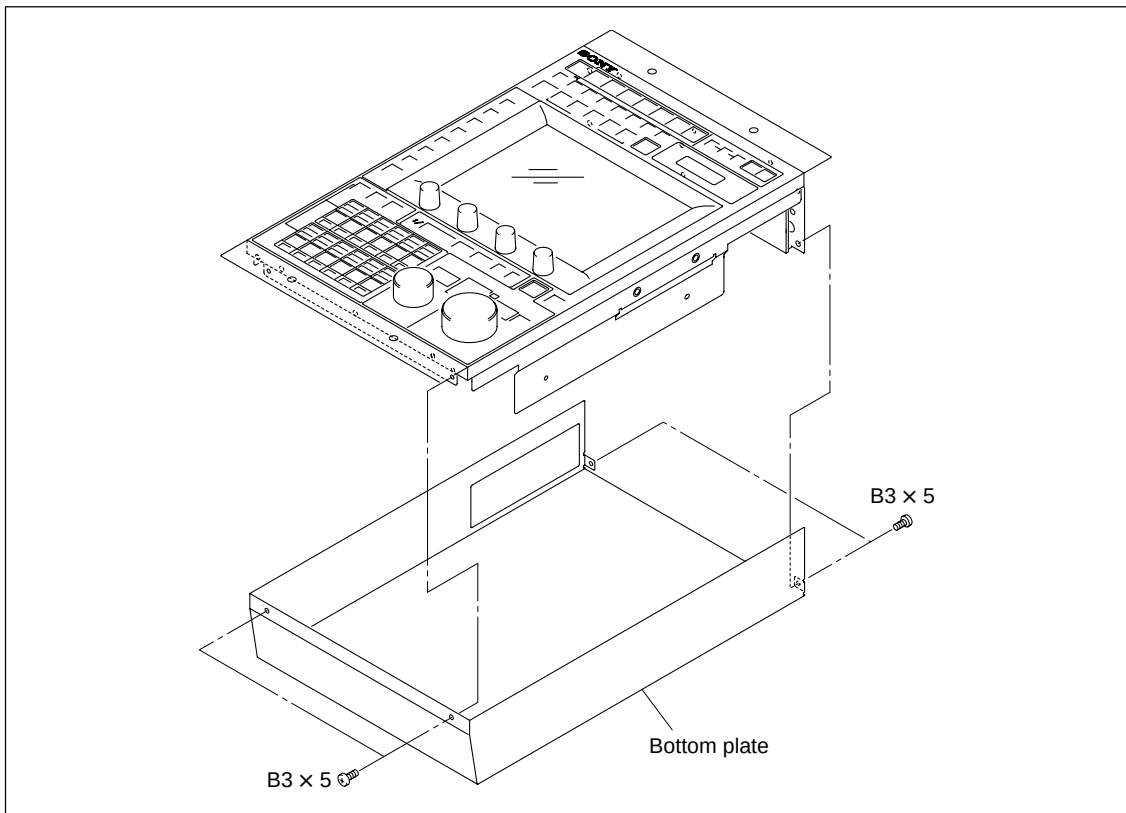
*6: When CCU-550D/550DP is connected, the prompter cannot be fed backward (CHU to CCU).

1-4. Board Location



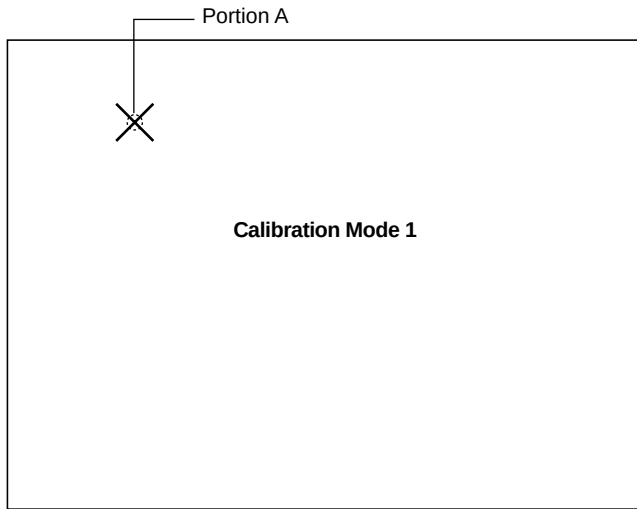
1-5. Removing/Reinstalling the Bottom Plate

1. Remove the four screws, then remove the bottom plate.

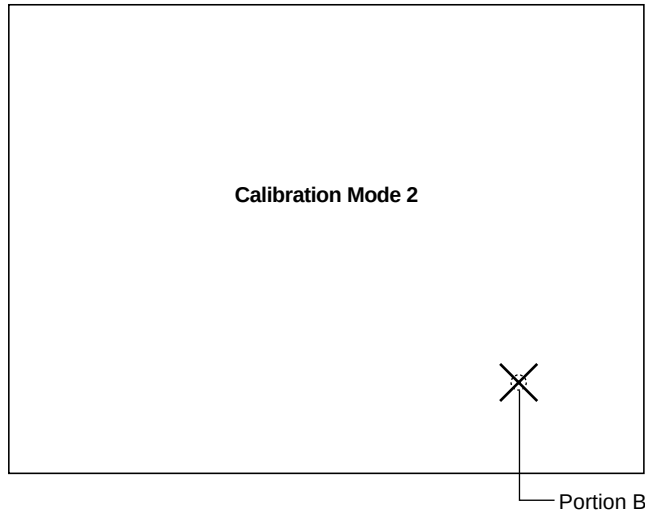


2. Attach the bottom plate in the reverse order of step 1.

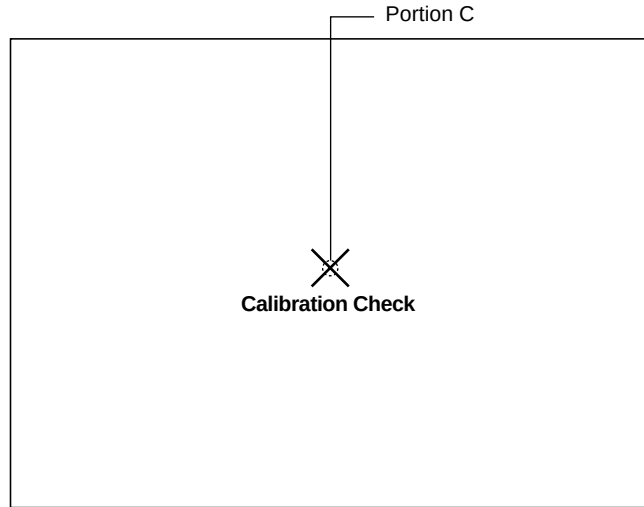
2. Press the LCD/touch panel.
The Calibration Mode 1 screen is displayed.



3. Push the center (portion A) of mark X in the upper-left position of the Calibration Mode 1 screen using a stylus pen.
The Calibration Mode 2 screen is displayed.



4. Push the center (portion B) of mark X in the lower-right position of the Calibration Mode 2 screen using a stylus pen.
The Calibration Check screen is displayed.



5. Push the center (portion C) of mark X in the center of the Calibration Check screen using a stylus pen.
A “Calibration Complete” message is displayed.
(The operation is terminated normally.)
Note
For NG, the display is returned to the Calibration Mode 1 menu after a “Retry” message is displayed.
Repeat steps 2 to 4 again.

Termination of self-diagnosis mode

1. Press the **PANEL ACTIVE**, **PARA**, and SCENE FILES **1** buttons at the same time or press the **EXIT** button and exit a Diagnosis Menu.

1-7-2. Device

Operation of the switches, LED indicators, and rotary encoders on the control panel can be checked by the self-diagnosis mode of the unit.

1. Start the Diagnosis menu (Self-diagnosis menu).
(Refer to Section 1-7-1.)
2. Check the operation check of each device.

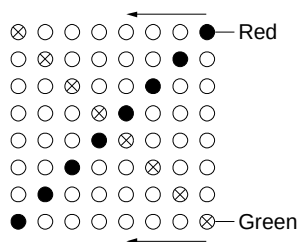
Operation check

Switch with LED

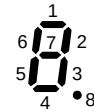
When the desired switch is pressed, the LED inside the switch lights up.

Indicator

1. Camera number/Tally display block
Make sure that a red and green cross indication moves from right to left.

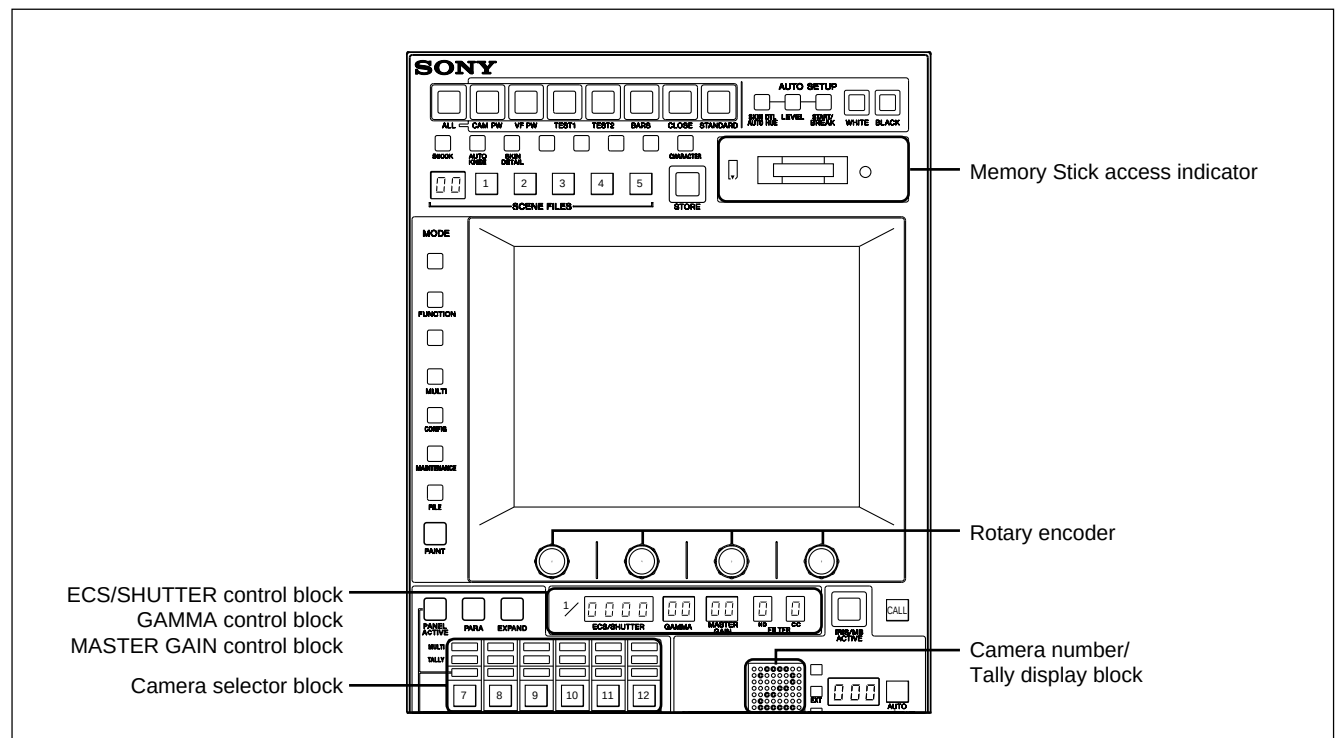


2. Make sure that the Memory Stick ACCESS indicator blinks in sequence of red, green then orange.
3. Make sure that the MULTI, TALLY, and PANEL ACTIVE indicators of the camera selector block blink in sequence of red, green then off.
4. Make sure that the EXT indicator of the IRIS adjusting block blinks.
5. Make sure that the 7-segment LEDs of ECS/SHUTTER, GAMMA, MASTER GAIN control blocks and MASTER BLACK and IRIS adjusting blocks light up in the following order.



Rotary encoder

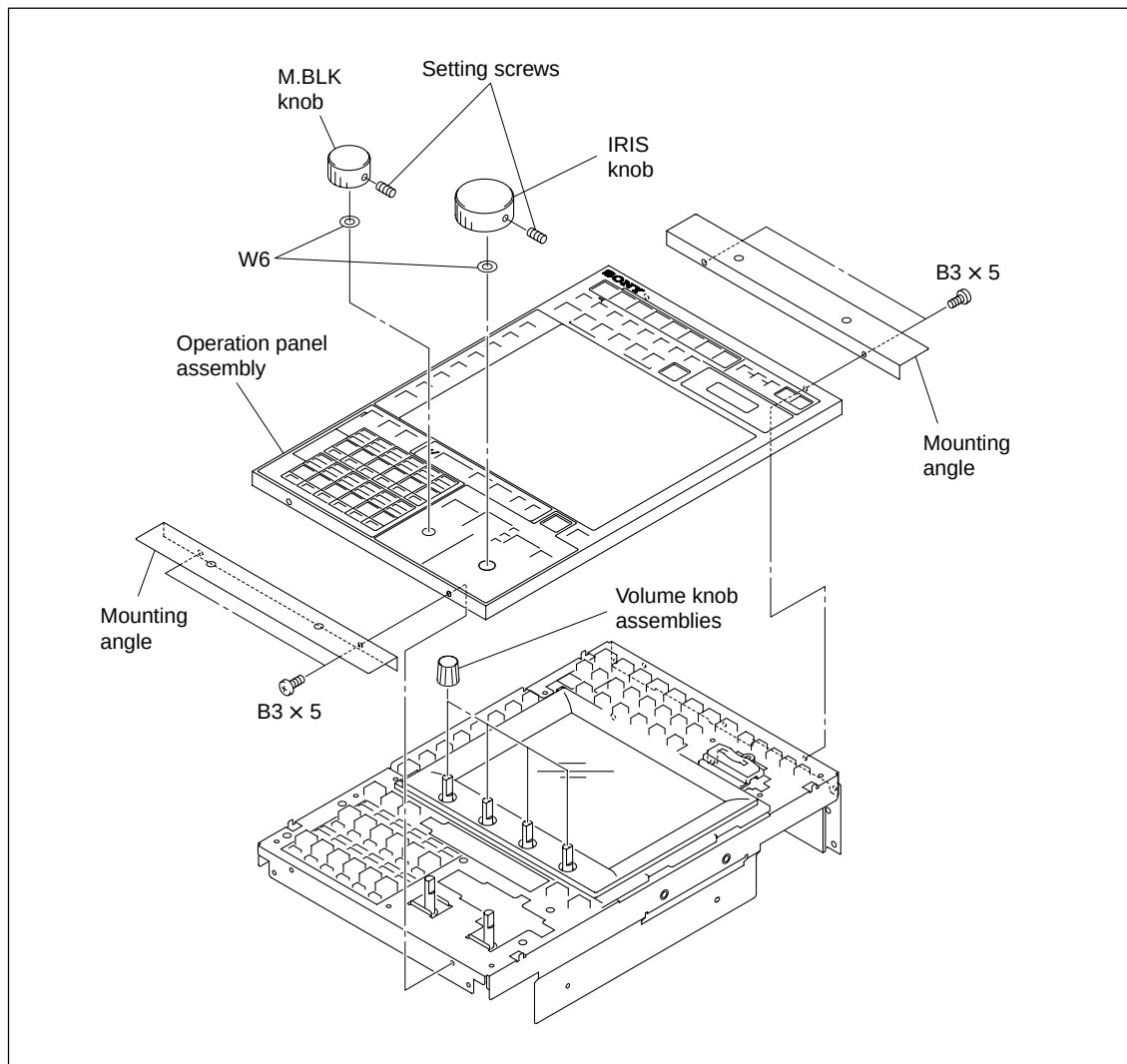
When the desired rotary encoder has been turned, the ID number corresponded with the rotary encoder will be displayed on the IRIS adjusting block, and the control value is displayed on the MASTER BLACK adjusting block.



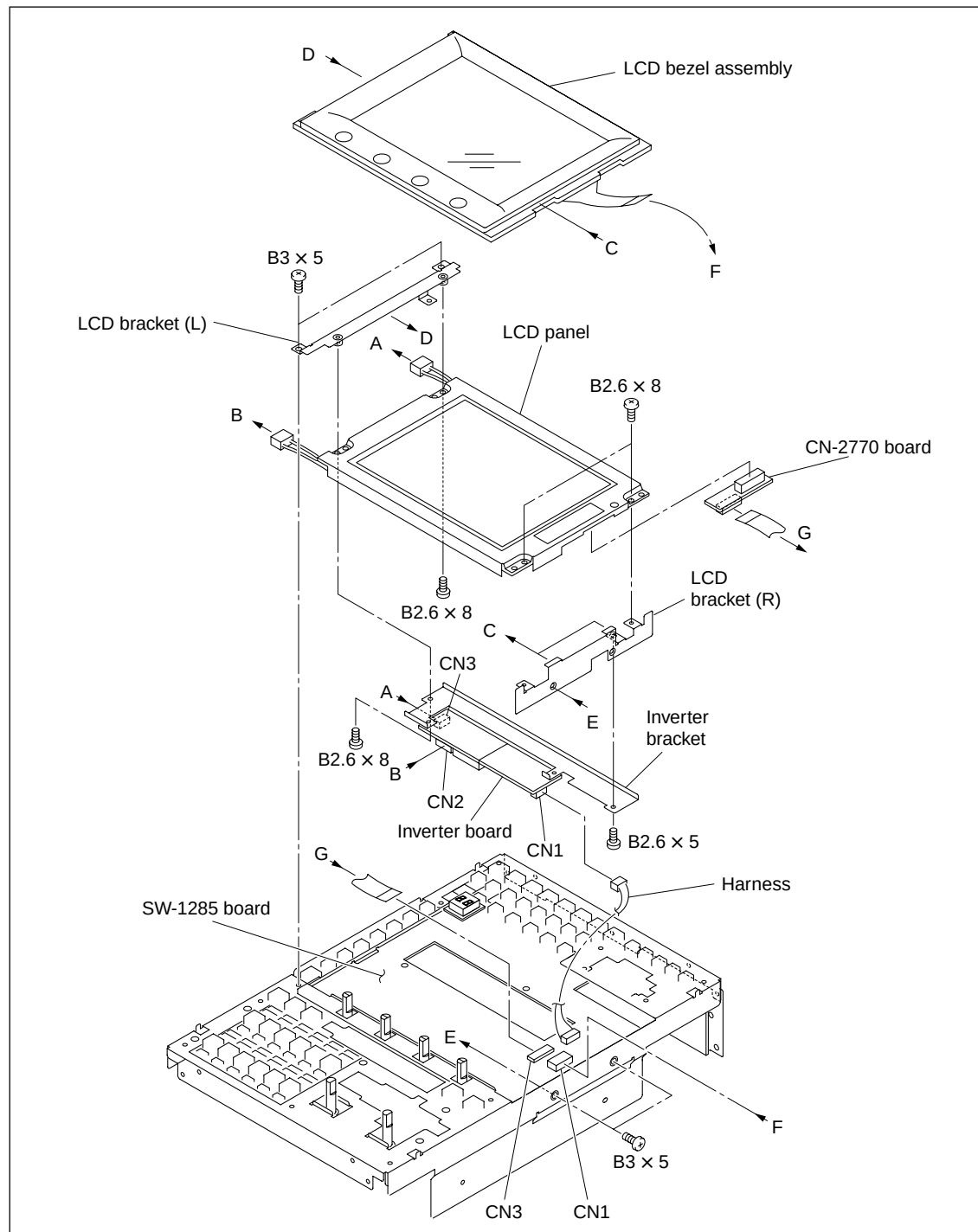
1-8. Replacing the Main Parts

1-8-1. Replacing the LCD Panel

1. Remove the bottom plate. (Refer to Section 1-5.)
2. Remove the six screws (B3 × 5), then remove the two mounting angles.
3. Loosen the two set screws and remove the M.BLK and IRIS knobs.
4. Remove the three screws (B3 × 5), then remove the operation panel assembly.
5. Remove the four volume knob assemblies.



6. Remove the four screws (B3 × 5), then remove the LCD bezel assembly.
7. Disconnect the three harnesses from the connectors (CN1, CN2, and CN3) on the inverter board.
8. Disconnect the flexible flat cable and the flexible wiring board from connectors (CN1 and CN3) on the SW-1216 board.
9. Remove the screw (B2.6 × 5), then remove the inverter bracket.
10. Remove the two screws (B2.6 × 8), then remove the LCD bracket (L).
11. Remove the two screws (B2.6 × 8), then remove the LCD bracket (R)
12. Remove the LCD bezel assembly.
13. Remove the CN-2562 board from the LCD panel.



14. Attach the LCD panel in the reverse procedure of steps 1 to 13.

1-8-2. Replacing the Backlights

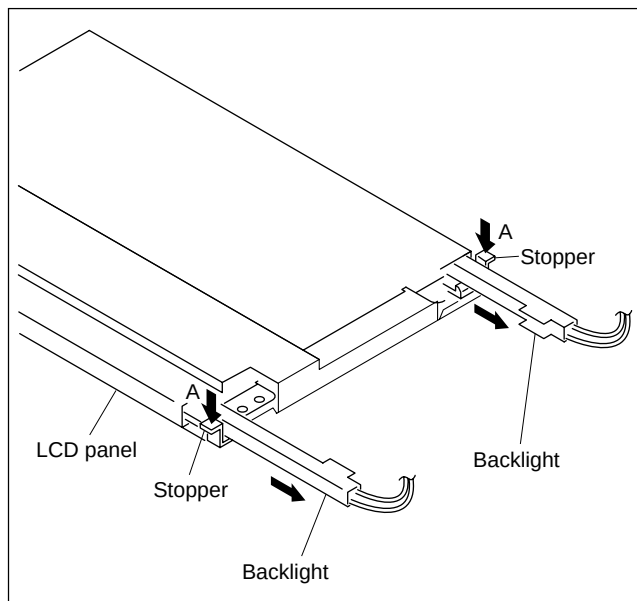
WARNING

- Before starting the replacement, be sure to pull out the power plug from the wall outlet.
- Do not start the replacement within 30 minutes after turning off the power to avoid the electric shock or injury.

Note

Replace the two backlights simultaneously when replacing backlights.

1. Remove the bottom plate. (Refer to Section 1-5.)
2. Remove the LCD panel. (Refer to Section 1-8-1.)
3. Pull out the two backlights while pushing the two stoppers on the LCD panel in the direction of the arrow A.



4. Install the new backlights in the reverse order of steps 1 to 3.

Note

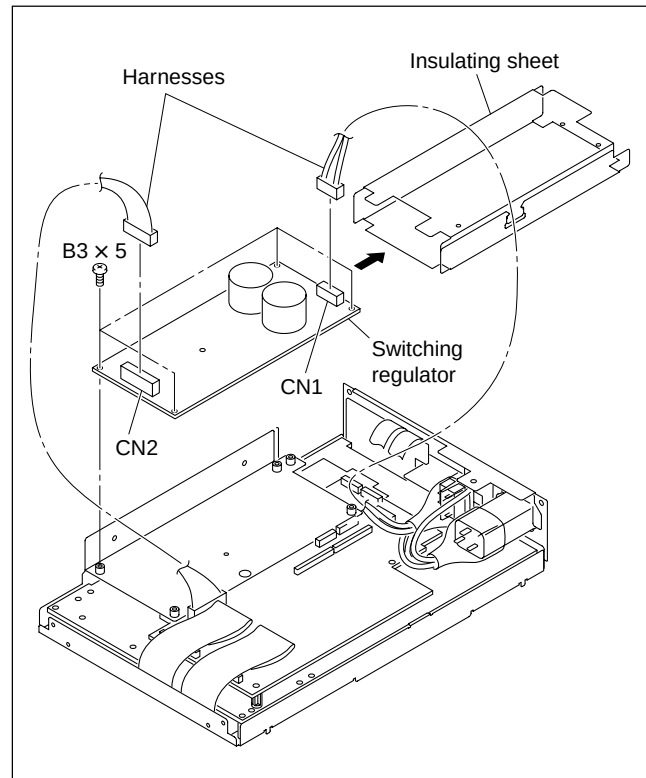
Confirm that no dust adheres on the surface of the LCD panel and the back surface of the LCD panel assembly before installing the LCD panel.

1-8-3. Replacing the LCD Bezel Assembly

1. Remove the bottom plate. (Refer to Section 1-5.)
2. Remove the LCD bezel assembly.
(Refer to steps 2 to 6 in Section 1-8-1.)

1-8-4. Replacing the Switching Regulator

1. Remove the bottom plate. (Refer to Section 1-5.)
2. Disconnect the two harnesses from the connectors (CN1 and CN2) on the switching regulator.
3. Remove the four screws, then remove the switching regulator.
4. Remove the switching regulator from the insulating sheet.



5. Attach the switching regulator in the reverse order of steps 1 to 4.

1-8-5. Replacing the Backup Lithium Battery

WARNING

A lithium battery is critical parts to safe operation. Replace this component with Sony parts whose part numbers appear in this manual published by Sony. If not, this may cause a fire or electric shock. Be sure to use the specified component in this manual.

CAUTION

In replacing, ensure that battery is installed with “+” and “-” poles connected to the correct terminals. An improper connection may cause an explosion or leakage of fluid.

A lithium battery is mounted on the CPU-396 board. This lithium battery backs up the date data saved in a Memory Stick. Set the date again when the battery is replaced during replacement of the CPU-396 board and consumption of a lithium battery. (Refer to “Initialization” in the Operating Instructions.)

Replaced parts: BT1 (CPU-396 board)

Parts name: CR-2032 (Lithium battery)

Parts number: △ 1-528-174-11

Recommended replacement period:
Seven years

Notes

- It is recommended to replace a lithium battery simultaneously when the CPU-396 board is replaced.
- It is necessary to set the date again once a battery is removed from the battery holder.

1-8-6. Description on Flexible Card Wire

The flexible card wires are used between the CPU-396 board and CN board. Take care not to brake the flexible card wires. This shortens the life.

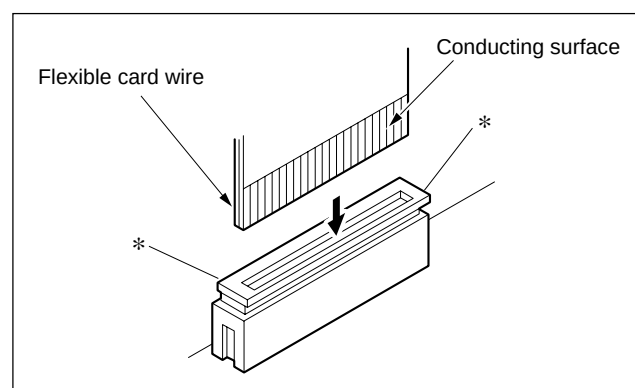
1. Disconnecting/Connecting of Flexible Card Wire

Disconnecting

Pull up the * marked portions of the connector, and pull out the flexible card wire from the connector.

Connecting

Insert the flexible card wire as far as it will go, and push down the * marked portions of the connector.



Notes

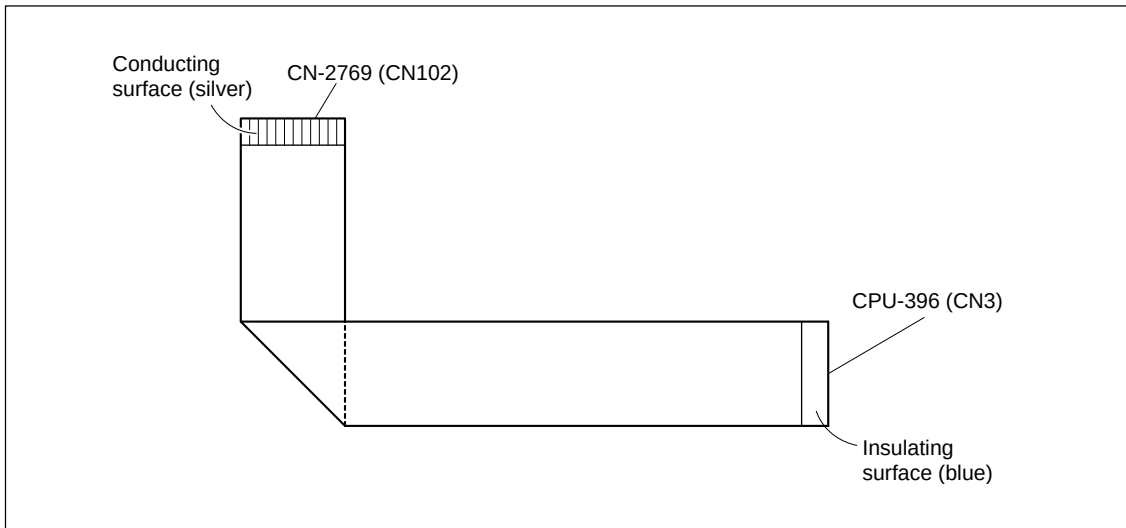
- Be careful not to insert the flexible card wire obliquely.
- Check that the conducting surface of the flexible card wire is not soiled with dust.

2. Forming Before Installation

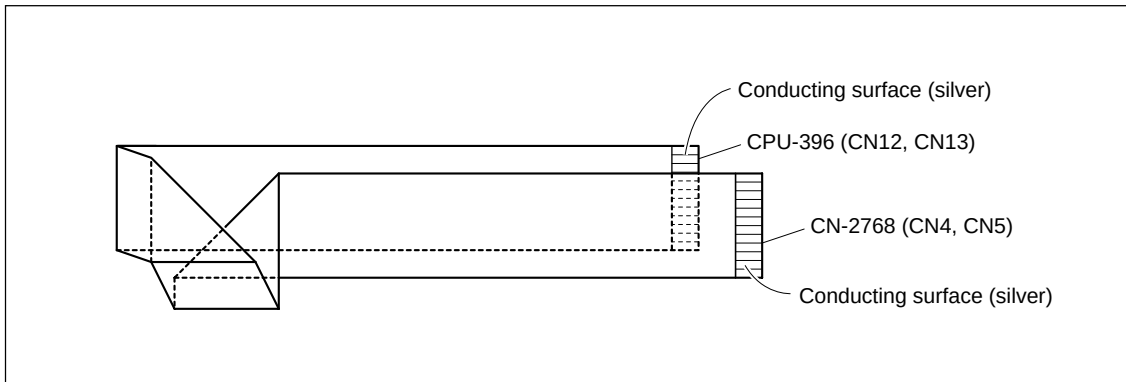
If using a new flexible card wire, be sure to form it by hand as shown in the figure below before installation.

Notes

- Never fold it back after being formed once.
- Bend a flexible card wire with reference to the bending position of the flexible card wire used before it is replaced.
- CPU-396 board CN3 ⇔ SW-2769 board CN102

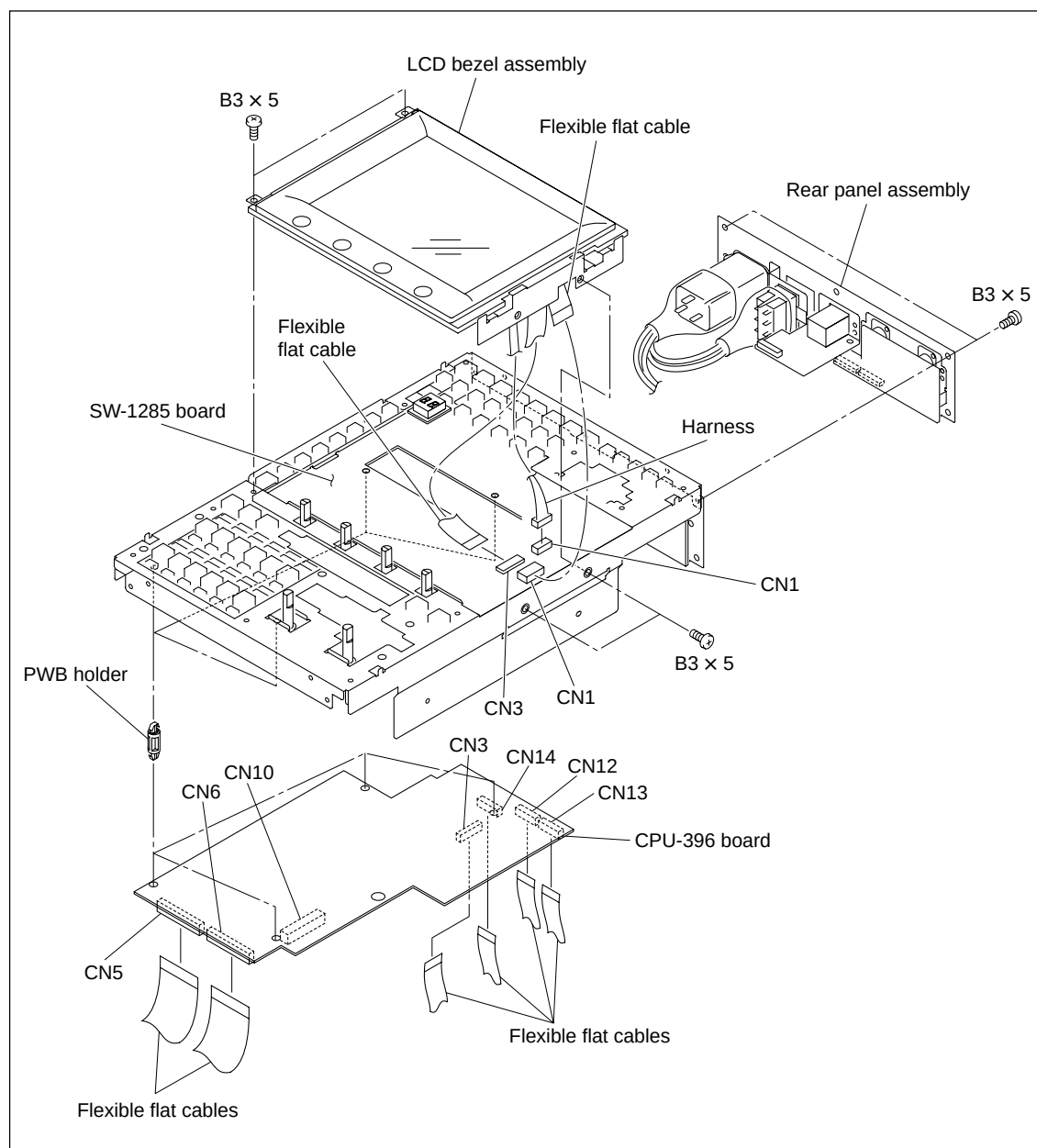


- CPU-396 board CN12 ⇔ CN-2768 board CN4
- CPU-396 board CN13 ⇔ CN-2768 board CN5

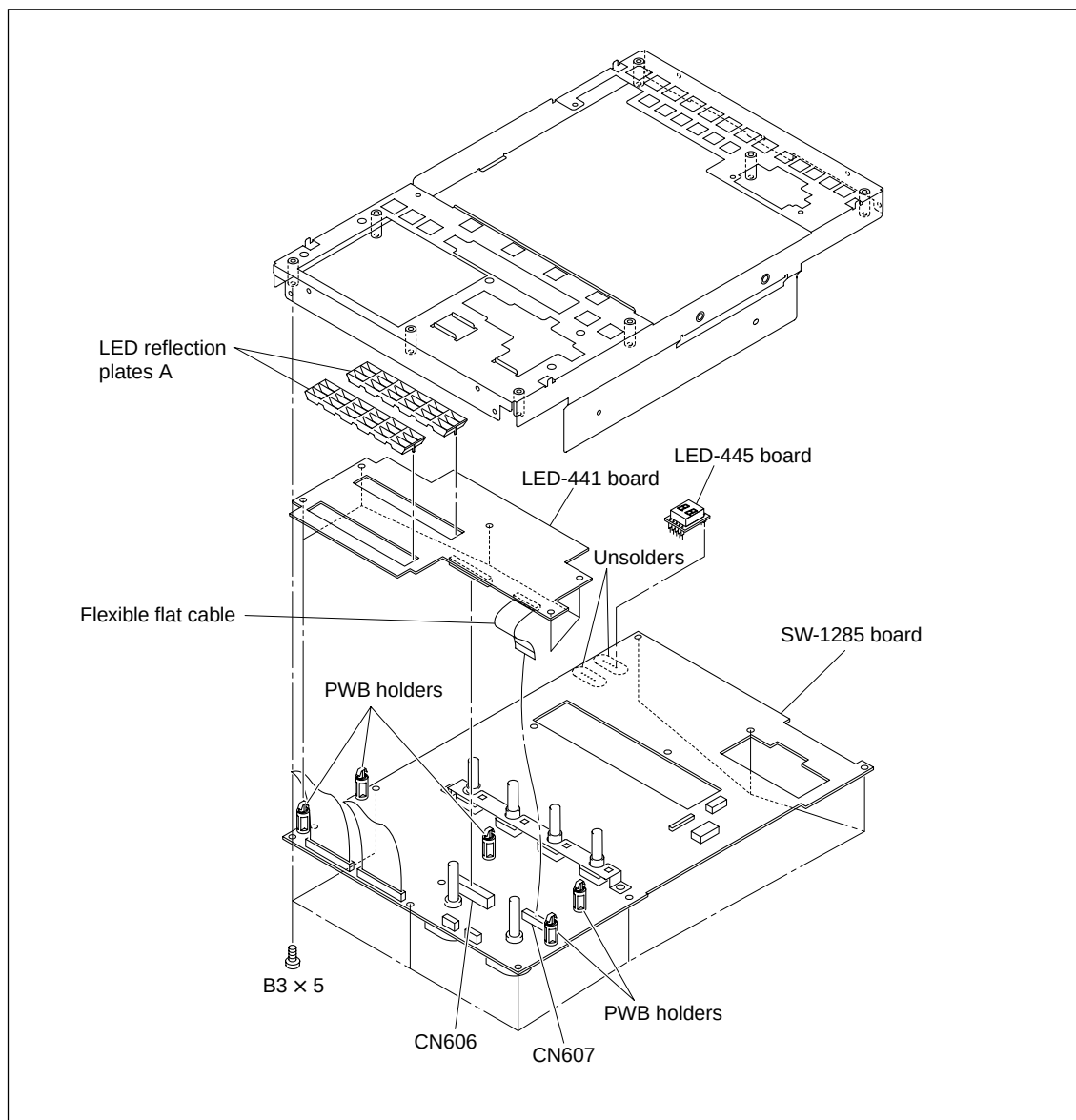


1-8-7. Replacing the Board (LED-441/LED-445 Board)

1. Remove the bottom plate. (Refer to Section 1-5.)
2. Remove the switching regulator. (Refer to Section 1-8-1.)
3. Remove the two screws, then remove the rear panel.
4. Remove the four screws.
5. Disconnect the harness and two flexible flat cables from the connectors (CN1, 2, 3) on the SW-1285 board, then remove the LCD bezel assembly.
6. Disconnect the flexible flat cables from the connectors (CN3, 5, 6, 10, 12, 13, 14) on the CPU-396 board.
7. Remove the CPU-396 board from the four PWB holders.



8. Remove the eight screws, then remove the SW-1285 board.
9. Remove the six PWB holders.
10. Remove the LED-441 board from the connector (CN606) on the SW-1285 board.
11. Disconnect the flexible flat cable from the connector (CN607) on the SW-1285 board.
12. Remove the two LED reflection plates A from the LED-441 board.
13. Unsolder the ten pins on the SW-1285 board, then remove the LED-445 board.



14. Attach the LED-441 and LED-445 boards in the reverse order of steps 1 to 13.

1-9. Circuit Protective Elements

The positive characteristic thermistor (for power supply) functions as a circuit protective element on the CN-2768, CPU-396 and SW-1285 boards of the unit. The thermistor increases the internal resistance and limits the current flowing to the circuits when an overcurrent flows or when the ambient temperature increases and the element reaches the specified temperature. If the element operates, turn off the main power and inspect the MSU internal circuit. After removing the cause of the equipment abnormality and the temperature of the element decreases, turn on the power again and operate the unit correctly. It takes about 1 minute for the elements to cool down after the main power is turned off.

Board	Sony parts No.	Ref. No.	Protective circuit/ equipment
CN-2768	1-803-615-21	THP1 THP2	Circuit inside the board
CPU-396	1-533-817-21	THP304 THP307 THP308	Circuit inside the board
	1-803-353-21	THP1	Circuit inside the board
	1-803-615-11	THP301 THP302 THP303 THP305 THP306	Circuit inside the board
SW-1285	1-533-817-11	THP600 THP601 THP602	Circuit inside the board

1-10. Note on replacing the Parts and Repairing

1-10-1. Note on Servicing

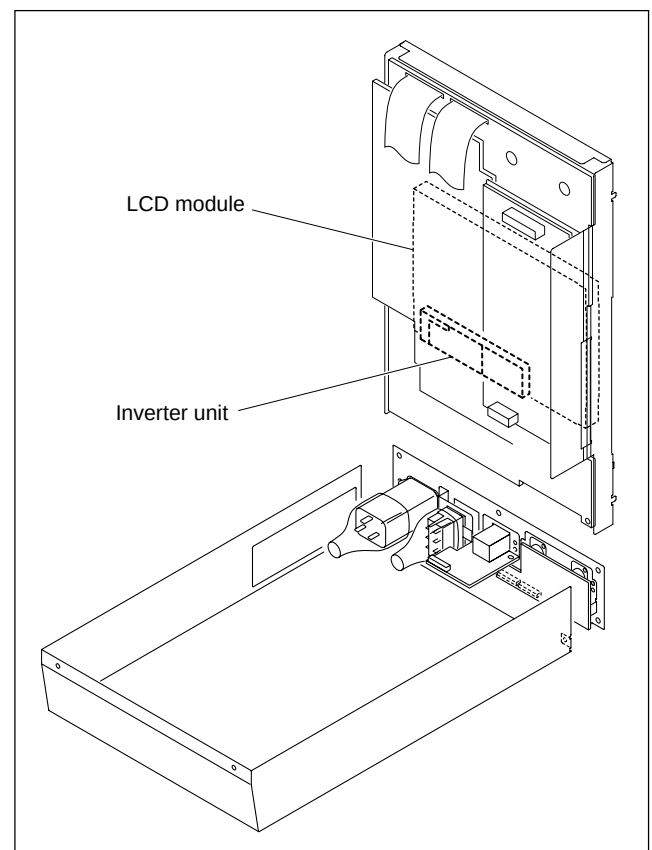
1. **WARNING**

The inverter unit is placed on the backside of the LCD module. The inverter unit carries high voltage. Do not touch it with bare hands, as this is extremely dangerous. Take extreme care.

The voltage of 400 V AC from the DC/AC inverter is applied to the inverter block.

When repairing or checking the unit while turning on the power, take care of an electric shock.

2. One switching regulator is mounted on the unit. Take care of an electric shock on the primary side of power circuit in the switching regulator.
3. Running the power supply unit under no load may cause power source trouble. Never check the power supply unit independently.



1-10-2. Measures During Replacement of CPU-396 Board

Perform the operation below during replacement of the CPU-396 board or two mounted parts (IC18 and IC31).

Note

For the setting of serial number and initialization of FRAM, contact your local Sony Sales Office/Service Center.

CPU-396 board

- Setting of serial number

CPU-396 board, and IC18 and IC31

- Calibration of touch panel (Refer to section 1-7-1.)
- Initialization of FRAM

1-10-3. Replacement of Light Illumination Switch Cap

A light illumination switch cap is parts to be not treated for maintenance service.

Purchase the switch of a cap to be replaced when replacing a light illumination switch cap.

1-11. About the Screen in this Section

The screens appearing in Section 1-7 is subject to change without notice.

1-12. Unleaded Solder

Boards requiring use of unleaded solder are printed with a lead free mark (LF) indicating the solder contains no lead. (Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size.)



: LEAD FREE MARK

Notes

- Be sure to use the unleaded solder for the printed circuit board printed with the lead free mark.
- The unleaded 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

Spare Parts

2-1. Notes on Repair Parts

1. Safety Related Components Warning

WARNING

Components marked △ 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.

Parts list has the present standardized repair parts.

3. Stock of Parts

Parts marked with “o” at SP (Supply Code) column of the spare parts list may not be stocked. Therefore, the delivery date will be delayed.

4. Harness

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

In need of repair, get components shown in the list and repair using them.

2-1. 補修部品注意事項

1. 安全重要部品

△ 警告

△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。

部品表には現時点での共通化された補修用部品が記載されています。

3. 部品の在庫

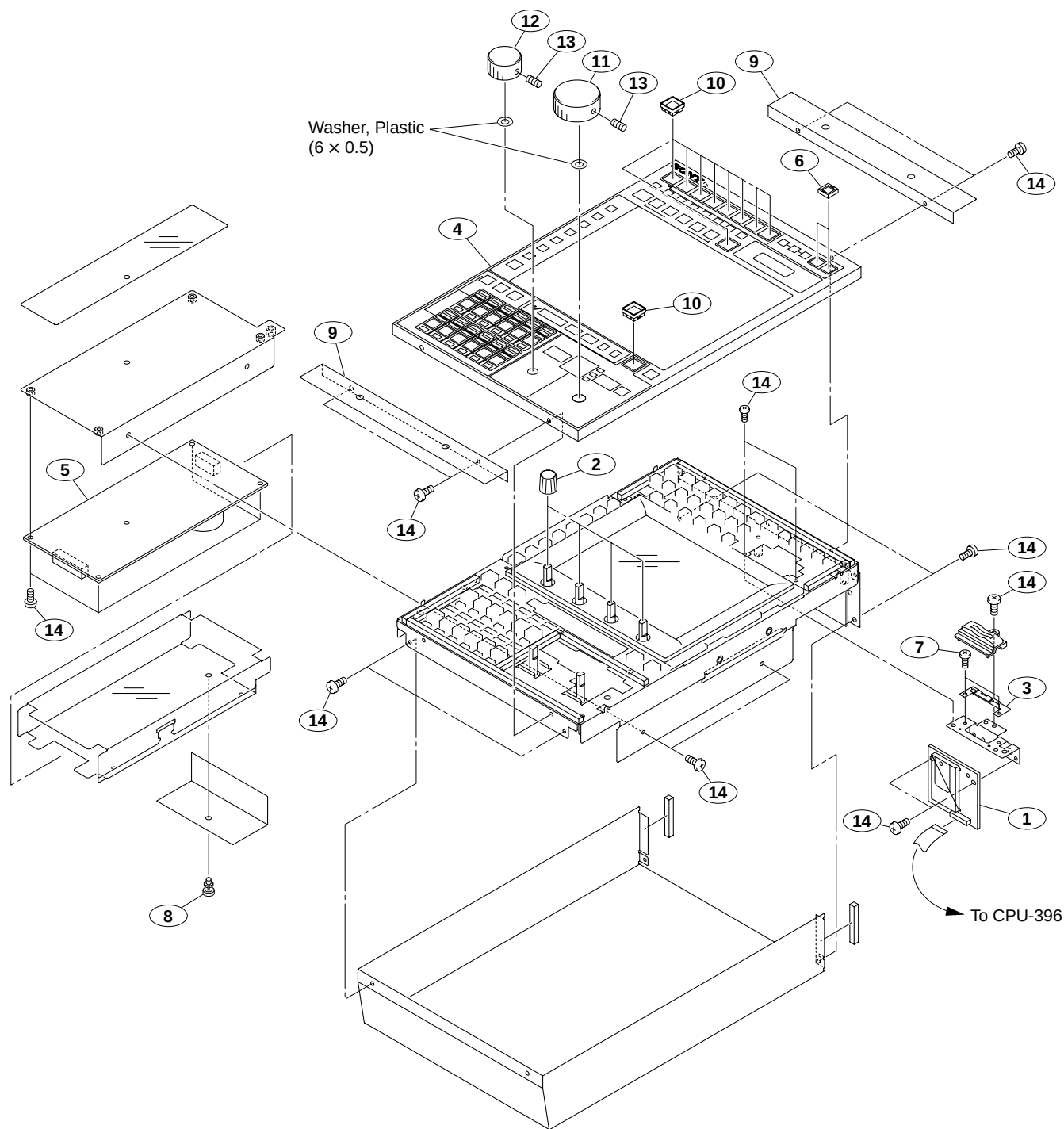
部品表のSP (Supply code) 欄に “o” で示される部品は在庫していないことがあり、納期が長くなることがあります。

4. ハーネス

部品番号が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。

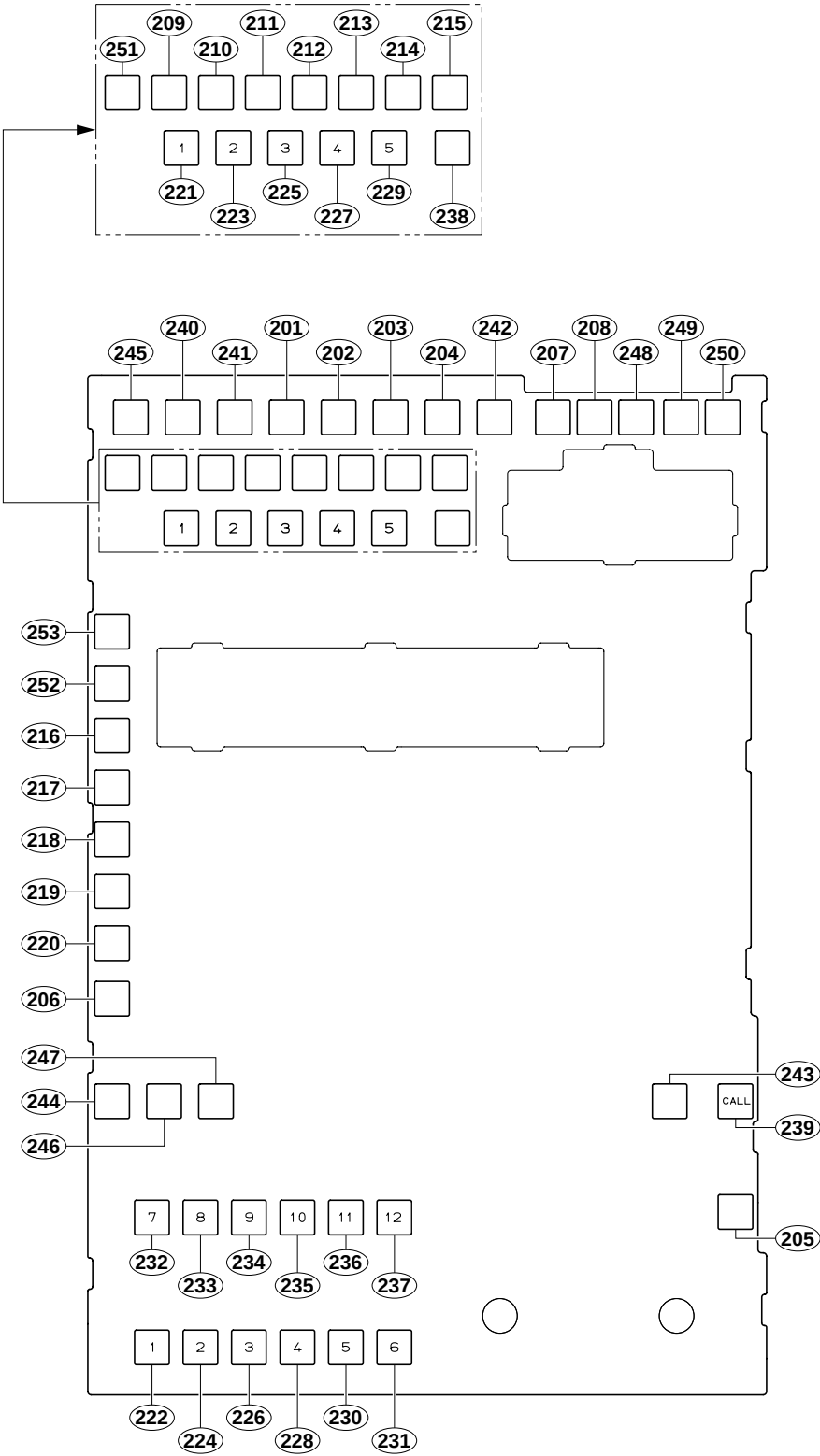
これらは、リストに展開されているコンポーネント部品で補修してください。

2-2. Exploded Views



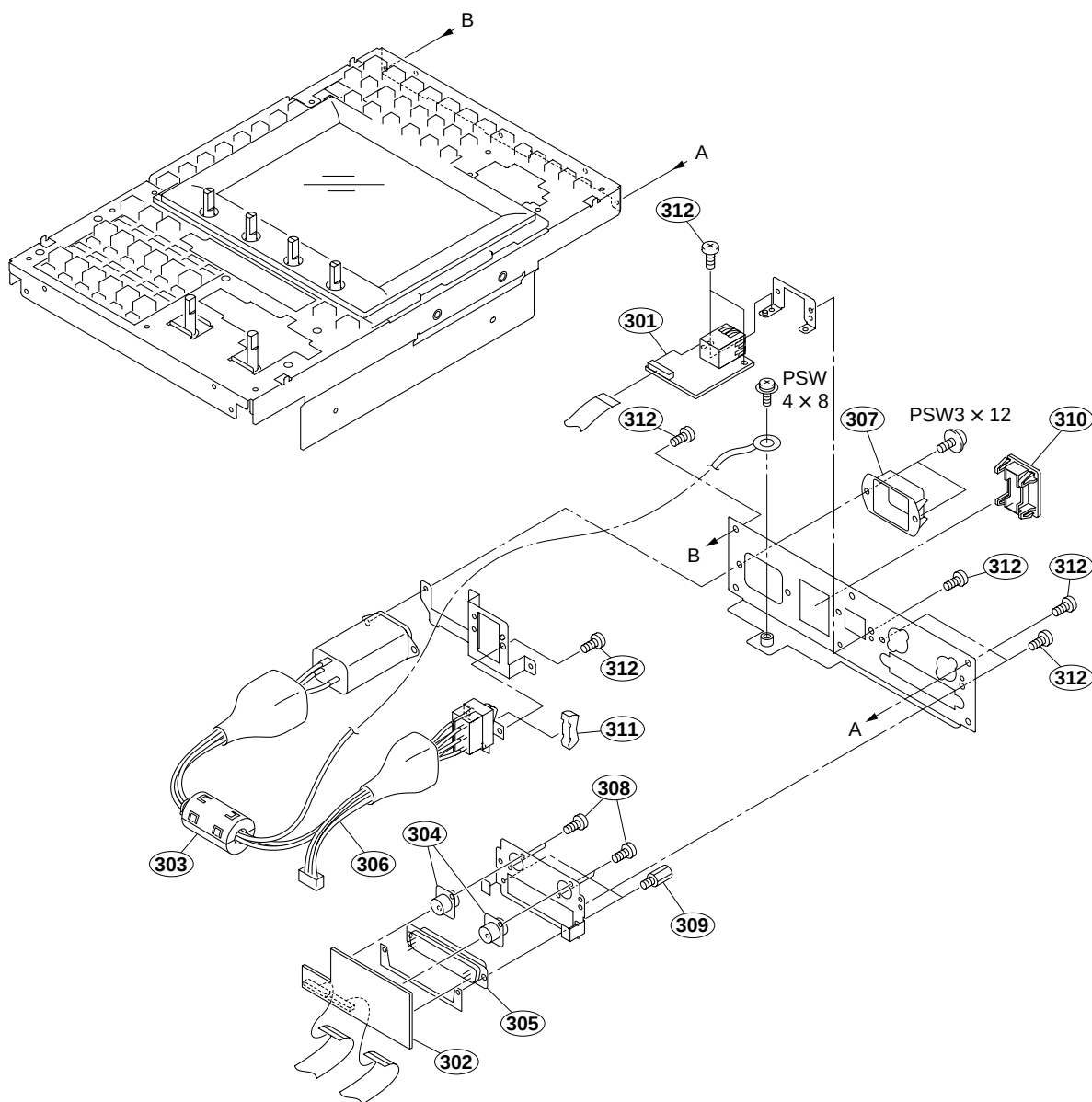
No.	Part No.	SP Description
1	A-1119-058-A	s MOUNTED CIRCUIT BOARD, CN-2769
2	X-3167-051-1	s KNOB ASSY, VOLUME
3	X-3608-421-1	s BRACKET ASSY, MEMORY STICK
4	X-3704-650-1	s OPERATION PANEL ASSY (950)
5	△ 1-468-913-11	s REGULATOR SWITCHING
6	2-141-006-01	o GUARD, SWITCH
7	3-364-941-01	s SCREW (+B) (2.6X5), NYLOK
8	3-531-576-31	s RIVET, NYLON
9	3-622-386-11	s BRACKET, ANGLE
10	3-681-389-01	o SWITCH GUARD

No.	Part No.	SP Description
11	3-681-390-02	o KNOB IRIS
12	3-681-391-02	o KNOB M. BLK
13	3-701-511-00	s SET-SCREW, HEXAGON 4X6 (WP) ST
14	3-725-295-21	s SCREW, (+) (B3)
	7-623-927-01	s WASHER, PLASTIC (6X0.5)
	7-682-247-04	s SCREW +K 3X6



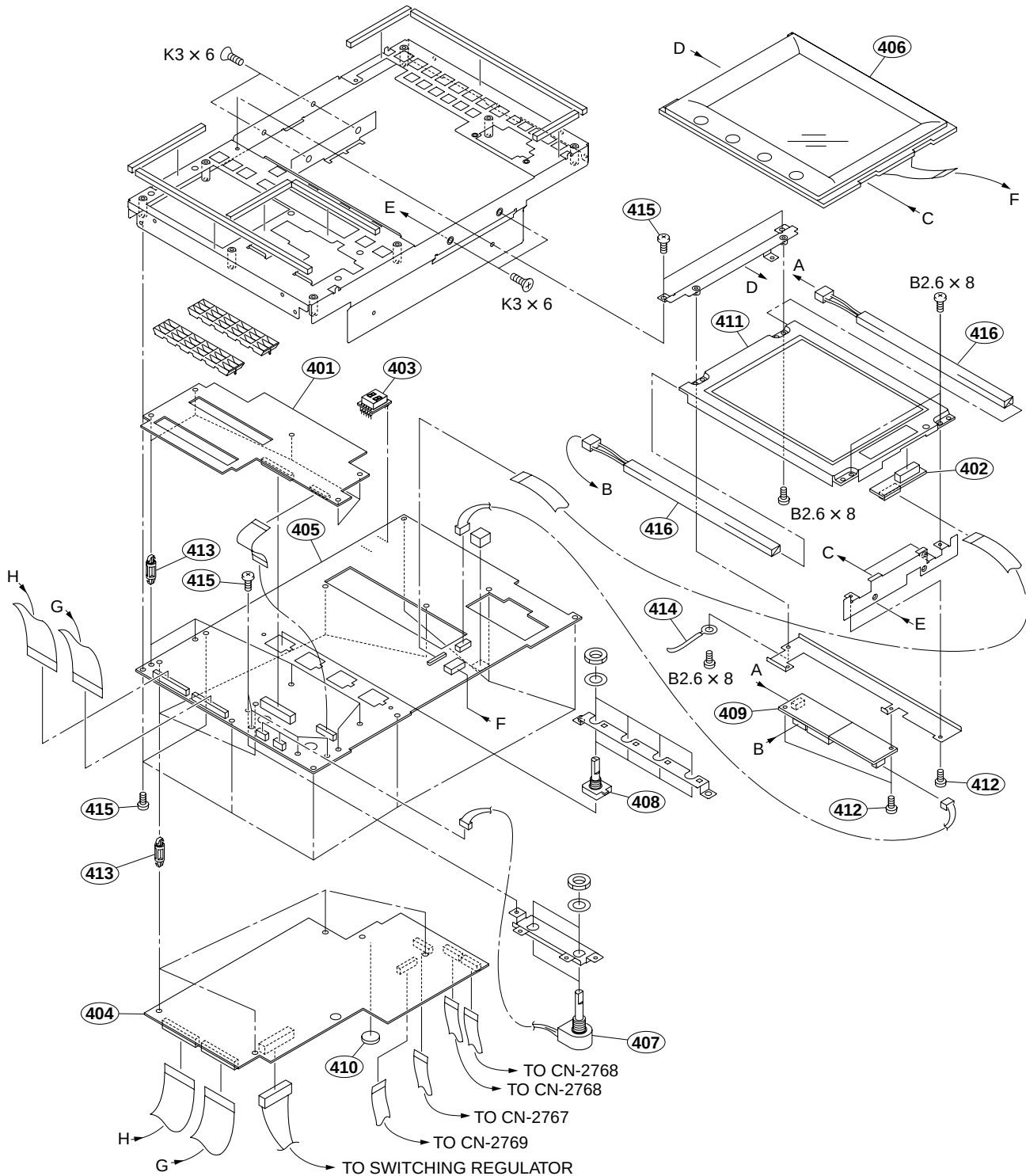
Switches on SW-1285 Board

No.	Part No.	SP Description	No.	Part No.	SP Description
201	1-692-994-11	s SWITCH, TACTILE (ILLUMINATED) (TEST1/S216)	236	1-762-130-21	s SWITCH, TACTILE (ILLUMINATED) (CAM11/S237)
202	1-692-994-11	s SWITCH, TACTILE (ILLUMINATED) (TEST2/S220)	237	1-762-130-31	s SWITCH, TACTILE (ILLUMINATED) (CAM12/S240)
203	1-692-994-11	s SWITCH, TACTILE (ILLUMINATED) (BARS/S223)	238	1-762-132-11	s SWITCH, TACTILE (ILLUMINATED) (SCENE STORE/S222)
204	1-692-994-11	s SWITCH, TACTILE (ILLUMINATED) (CLOSE/S226)	239	1-762-132-21	s SWITCH, TACTILE (ILLUMINATED) (CALL/S252)
205	1-692-994-11	s SWITCH, TACTILE (ILLUMINATED) (AUTO IRIS/S228)	240	1-762-133-11	s SWITCH, TACTILE (ILLUMINATED) (CAM PW/S204)
206	1-692-994-11	s SWITCH, TACTILE (ILLUMINATED) (PAINT/S247)	241	1-762-133-11	s SWITCH, TACTILE (ILLUMINATED) (VF PW/S208)
207	1-762-042-11	s SWITCH, TACTILE (ILLUMINATED) (SKIN DTL AUTO HUE/S201)	242	1-762-133-11	s SWITCH, TACTILE (ILLUMINATED) (STANDARD/S212)
208	1-762-042-11	s SWITCH, TACTILE (ILLUMINATED) (LEVEL/S205)	243	1-762-133-11	s SWITCH, TACTILE (ILLUMINATED) (IRIS/MB ACTIVE/S225)
209	1-762-042-11	s SWITCH, TACTILE (ILLUMINATED) (AUTO KNEE/S206)	244	1-762-133-11	s SWITCH, TACTILE (ILLUMINATED) (PANEL ACTIVE/S246)
210	1-762-042-11	s SWITCH, TACTILE (ILLUMINATED) (SKIN DTL/S210)	245	1-762-134-11	s SWITCH, TACTILE (ILLUMINATED) (ALL/S200)
211	1-762-042-11	s SWITCH, TACTILE (ILLUMINATED) (SPARE1/S214)	246	1-762-134-11	s SWITCH, TACTILE (ILLUMINATED) (PARA/S243)
212	1-762-042-11	s SWITCH, TACTILE (ILLUMINATED) (SPARE2/S218)	247	1-762-134-11	s SWITCH, TACTILE (ILLUMINATED) (CAMSEL EXPAND/S249)
213	1-762-042-11	s SWITCH, TACTILE (ILLUMINATED) (SPARE3/S221)	248	1-762-137-11	s SWITCH, TACTILE (ILLUMINATED) (START/BREAK/S209)
214	1-762-042-11	s SWITCH, TACTILE (ILLUMINATED) (SPARE4/S224)	249	1-762-137-11	s SWITCH, TACTILE (ILLUMINATED) (WHITE/S213)
215	1-762-042-11	s SWITCH, TACTILE (ILLUMINATED) (CHARACTER/S227)	250	1-762-137-11	s SWITCH, TACTILE (ILLUMINATED) (BLACK/S217)
216	1-762-042-11	s SWITCH, TACTILE (ILLUMINATED) (SPARE5/S232)	251	1-762-139-11	s SWITCH, TACTILE (ILLUMINATED) (5600K/S202)
217	1-762-042-11	s SWITCH, TACTILE (ILLUMINATED) (MULTI/S235)	252	1-762-139-11	s SWITCH, TACTILE (ILLUMINATED) (FUNCTION/S229)
218	1-762-042-11	s SWITCH, TACTILE (ILLUMINATED) (CONFIG/S238)	253	1-762-139-11	s SWITCH, TACTILE (ILLUMINATED) (SCENE/S250)
219	1-762-042-11	s SWITCH, TACTILE (ILLUMINATED) (MAINTENANCE/S241)			
220	1-762-042-11	s SWITCH, TACTILE (ILLUMINATED) (FILE/S244)			
221	1-762-129-11	s SWITCH, TACTILE (ILLUMINATED) (SCENE1/S203)			
222	1-762-129-11	s SWITCH, TACTILE (ILLUMINATED) (CAM1/S230)			
223	1-762-129-21	s SWITCH, TACTILE (ILLUMINATED) (SCENE2/S207)			
224	1-762-129-21	s SWITCH, TACTILE (ILLUMINATED) (CAM2/S233)			
225	1-762-129-31	s SWITCH, TACTILE (ILLUMINATED) (SCENE3/S211)			
226	1-762-129-31	s SWITCH, TACTILE (ILLUMINATED) (CAM3/S236)			
227	1-762-129-41	s SWITCH, TACTILE (ILLUMINATED) (SCENE4/S215)			
228	1-762-129-41	s SWITCH, TACTILE (ILLUMINATED) (CAM4/S239)			
229	1-762-129-51	s SWITCH, TACTILE (ILLUMINATED) (SCENE5/S219)			
230	1-762-129-51	s SWITCH, TACTILE (ILLUMINATED) (CAM5/S242)			
231	1-762-129-61	s SWITCH, TACTILE (ILLUMINATED) (CAM6/S245)			
232	1-762-129-71	s SWITCH, TACTILE (ILLUMINATED) (CAM7/S248)			
233	1-762-129-81	s SWITCH, TACTILE (ILLUMINATED) (CAM8/S251)			
234	1-762-129-91	s SWITCH, TACTILE (ILLUMINATED) (CAM9/S231)			
235	1-762-130-11	s SWITCH, TACTILE (ILLUMINATED) (CAM10/S234)			



No.	Part No.	SP	Description
301	A-1119-056-A	s	MOUNTED CIRCUIT BOARD, CN-2767
302	A-1119-057-A	s	MOUNTED CIRCUIT BOARD, CN-2768
303	1-543-830-21	o	CLAMP, SLEEVE FERRITE
304	1-766-696-11	o	CONNECTOR, ROUND TYPE 8P
305	1-766-727-11	o	SOCKET, D-SUB CONNECTOR (50P)
306	△ 1-963-496-22	s	HARNESS(AC-DC)
307	2-990-241-02	s	HOLDER (A), PLUG
308	3-165-162-01	s	SCREW(+P2.6X5)(TYPE 1) (ST)
309	3-673-910-31	s	SCREW, CONNECTOR
310	3-681-054-01	o	POWER SW GUARD
311	3-688-814-01	s	CAP, SWITCH
312	3-725-295-21	s	SCREW, (+) (B3)
313	4-381-806-01	o	COVER, SWITCH
	7-682-950-01	s	SCREW +PSW 3X12(EP-FE/ZN/CM2)
	7-682-961-01	s	SCREW +PSW 4X8

Board Block



No.	Part No.	SP Description
401	A-1119-055-A	s MOUNTED CIRCUIT BOARD, LED-441
402	A-1119-059-A	s MOUNTED CIRCUIT BOARD, CN-2770
403	A-1119-060-A	s MOUNTED CIRCUIT BOARD, LED-445
404	A-1121-507-A	s MOUNTED CIRCUIT BOARD, CPU-396
405	A-1121-508-A	s MOUNTED CIRCUIT BOARD, SW-1285
406	X-3704-649-1	s LCD BEZEL ASSY
407	1-466-955-21	s ENCODER, ROTARY (SWITCH)
408	1-475-218-11	s ENCODER, ROTARY (SWITCH)
409	△ 1-477-607-11	s INVERTER UNIT (LCD MODULE)
410	△ 1-528-174-11	s BATTERY, LITHIUM (CR2032 TYPE)

No.	Part No.	SP Description
411	1-805-059-31	s LCD MODULE
412	3-364-941-01	s SCREW (+B) (2.6X5), NYLOK
413	3-672-754-01	o HOLDER, PC BOARD
414	3-681-432-01	s CLAMP
415	3-725-295-21	s SCREW, (+) (B3)
416	9-885-028-72	s BACK LIGHT
	7-621-770-XX	s SCREW +B 2.6X8
	7-682-247-04	s SCREW +K 3X6

2-3. Electrical Parts List

----- CN-2767 BOARD -----

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1119-056-A	s	MOUNTED CIRCUIT BOARD, CN-2767
C101	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C102	1-164-937-11	s	CAPACITOR,CHIP CERAMIC 1000PF
C103	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C104	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C105	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C106	1-164-937-11	s	CAPACITOR,CHIP CERAMIC 1000PF
C107	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C108	1-164-937-11	s	CAPACITOR,CHIP CERAMIC 1000PF
C109	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C110	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C111	1-127-692-91	s	CAP, CHIP CERAMIC 10MF B 3216
C112	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C113	1-164-937-11	s	CAPACITOR,CHIP CERAMIC 1000PF
C114	1-164-937-11	s	CAPACITOR,CHIP CERAMIC 1000PF
C115	1-164-937-11	s	CAPACITOR,CHIP CERAMIC 1000PF
C116	1-164-850-11	s	CAPACITOR,CHIP CERAMIC 10PF/50
C117	1-164-937-11	s	CAPACITOR,CHIP CERAMIC 1000PF
C118	1-164-850-11	s	CAPACITOR,CHIP CERAMIC 10PF/50
CN101	1-778-650-11	o	CONNECTOR, FFC (ZIF) 30P
CN102	1-815-921-11	s	JACK, MODULAR
D101	8-719-061-94	s	DIODE CL-220PG-C-TU
D103	8-719-061-94	s	DIODE CL-220PG-C-TU
D104	8-719-061-94	s	DIODE CL-220PG-C-TU
D105	8-719-061-94	s	DIODE CL-220PG-C-TU
D106	8-719-061-94	s	DIODE CL-220PG-C-TU
D107	8-719-061-94	s	DIODE CL-220PG-C-TU
D108	8-719-061-94	s	DIODE CL-220PG-C-TU
IC101	6-702-691-01	s	IC BCM5221A4KPT
IC102	8-759-523-81	s	IC TC74VHC08FT(EL)
L101	1-412-056-11	s	INDUCTOR 4.7UH (3225)
Q101	8-729-928-55	s	TRANSISTOR DTA123JE-TL
Q103	8-729-928-55	s	TRANSISTOR DTA123JE-TL
Q104	8-729-928-55	s	TRANSISTOR DTA123JE-TL
Q105	8-729-928-55	s	TRANSISTOR DTA123JE-TL
Q106	8-729-928-55	s	TRANSISTOR DTA123JE-TL
Q107	8-729-928-55	s	TRANSISTOR DTA123JE-TL
Q108	8-729-928-55	s	TRANSISTOR DTA123JE-TL
R101	1-208-647-11	s	RESISTOR CHIP 33 1/16W (1005)
R102	1-208-647-11	s	RESISTOR CHIP 33 1/16W (1005)
R103	1-208-647-11	s	RESISTOR CHIP 33 1/16W (1005)
R104	1-208-647-11	s	RESISTOR CHIP 33 1/16W (1005)
R105	1-208-647-11	s	RESISTOR CHIP 33 1/16W (1005)
R106	1-208-647-11	s	RESISTOR CHIP 33 1/16W (1005)
R107	1-208-647-11	s	RESISTOR CHIP 33 1/16W (1005)
R108	1-208-647-11	s	RESISTOR CHIP 33 1/16W (1005)
R109	1-208-647-11	s	RESISTOR CHIP 33 1/16W (1005)
R110	1-208-647-11	s	RESISTOR CHIP 33 1/16W (1005)
R111	1-208-647-11	s	RESISTOR CHIP 33 1/16W (1005)
R112	1-208-647-11	s	RESISTOR CHIP 33 1/16W (1005)
R113	1-208-647-11	s	RESISTOR CHIP 33 1/16W (1005)
R114	1-208-647-11	s	RESISTOR CHIP 33 1/16W (1005)
R115	1-208-647-11	s	RESISTOR CHIP 33 1/16W (1005)
R116	1-208-647-11	s	RESISTOR CHIP 33 1/16W (1005)
R117	1-208-647-11	s	RESISTOR CHIP 33 1/16W (1005)

(CN-2767 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R118	1-208-647-11	s	RESISTOR CHIP 33 1/16W (1005)
R119	1-208-647-11	s	RESISTOR CHIP 33 1/16W (1005)
R120	1-208-647-11	s	RESISTOR CHIP 33 1/16W (1005)
R121	1-208-647-11	s	RESISTOR CHIP 33 1/16W (1005)
R122	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R123	1-208-699-11	s	RESISTOR,CHIP 4.7K 1/16W(1005)
R124	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R125	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R126	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R127	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R129	1-208-687-11	s	RESISTOR CHIP 1.5K 1/16W (1005)
R130	1-208-675-11	s	RESISTOR CHIP 470 1/16W (1005)
R131	1-208-675-11	s	RESISTOR CHIP 470 1/16W (1005)
R132	1-208-671-11	s	RESISTOR CHIP 330 1/16W (1005)
R133	1-208-663-11	s	RESISTOR CHIP 150 1/16W (1005)
R136	1-208-663-11	s	RESISTOR CHIP 150 1/16W (1005)
R137	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R138	1-208-663-11	s	RESISTOR CHIP 150 1/16W (1005)
R139	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R140	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R141	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R142	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R143	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R144	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R145	1-218-941-11	s	RESISTOR,CHIP 100 1/16W (1005)
R146	1-208-663-11	s	RESISTOR CHIP 150 1/16W (1005)
R147	1-208-663-11	s	RESISTOR CHIP 150 1/16W (1005)
R148	1-208-663-11	s	RESISTOR CHIP 150 1/16W (1005)
R149	1-208-663-11	s	RESISTOR CHIP 150 1/16W (1005)
X101	1-813-007-21	s	OSCILLATOR, CRYSTAL (SMD)

CN-2768 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1119-057-A	s MOUNTED CIRCUIT BOARD, CN-2768
CN1	1-766-696-11	o CONNECTOR, ROUND TYPE 8P
CN2	1-766-696-11	o CONNECTOR, ROUND TYPE 8P
CN3	1-766-727-11	o SOCKET, D-SUB CONNECTOR (50P)
CN4	1-778-650-11	o CONNECTOR, FFC (ZIF) 30P
CN5	1-778-650-11	o CONNECTOR, FFC (ZIF) 30P
THP1	△ 1-803-615-11	s THERMISTOR, POSITIVE
THP2	△ 1-803-615-11	s THERMISTOR, POSITIVE

CN-2769 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1119-058-A	s MOUNTED CIRCUIT BOARD, CN-2769
CN101	1-794-917-11	s CONNECTOR, MEMORY STICK
CN102	1-770-297-21	o HOUSING, CONNECTOR 12P
D101	8-719-027-84	s LED CL-155UR/G-D
Q101	8-729-929-08	s TRANSISTOR DTC123JE
Q102	8-729-929-08	s TRANSISTOR DTC123JE
R101	1-218-945-11	s RESISTOR,CHIP 220 1/16W(1005)
R103	1-208-679-11	s RESISTOR CHIP 680 1/16W (1005)

CN-2770 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1119-059-A	s MOUNTED CIRCUIT BOARD, CN-2770
CN1	1-573-370-21	s CONNECTOR, FFC/FPC 30P
CN2	1-779-396-11	o CONNECTOR, BOARD TO BOARD 31P

CPU-396 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1121-507-A	s MOUNTED CIRCUIT BOARD, CPU-396
BT1	1-756-076-21	s HOLDER, LITHIUM BATTERY
C1	1-164-874-11	s CAPACITOR,CHIP CERAMIC 100PF
C2	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C3	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C7	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C8	1-164-854-11	s CAPACITOR,CHIP CERAMIC 15PF/50
C10	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C11	1-164-854-11	s CAPACITOR,CHIP CERAMIC 15PF/50
C13	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C16	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C17	1-125-891-11	s CAPACITOR CERAMIC 0.47MF/10V
C18	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C19	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C20	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C21	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C22	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C23	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C24	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C25	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C26	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C27	1-100-159-91	s CAP, CERAMIC 22MF B (SMD) 3216
C28	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C29	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C30	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C31	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C32	1-164-935-11	s CAPACITOR,CHIP CERAMIC 470PF
C33	1-164-935-11	s CAPACITOR,CHIP CERAMIC 470PF
C34	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C35	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C36	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C37	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C38	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C39	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C40	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C41	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C42	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C43	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C45	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C46	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C47	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C48	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C49	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C50	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C51	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C52	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C53	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C54	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C55	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C56	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C57	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C58	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C59	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C60	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C61	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C62	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C63	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V

(CPU-396 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C64	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C65	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C66	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C67	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C68	1-100-159-91	s	CAP, CERAMIC 22MF B (SMD) 3216
C69	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C70	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C71	1-100-159-91	s	CAP, CERAMIC 22MF B (SMD) 3216
C72	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C73	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C74	1-127-573-11	s	CAPACITOR, CERAMIC 1MFB(2012)
C75	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C76	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C77	1-100-159-91	s	CAP, CERAMIC 22MF B (SMD) 3216
C78	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C79	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C80	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C81	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C201	1-126-391-11	s	CAPACITOR ELECT 47MF/6.3V(105)
C202	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C203	1-126-391-11	s	CAPACITOR ELECT 47MF/6.3V(105)
C204	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C205	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C206	1-126-391-11	s	CAPACITOR ELECT 47MF/6.3V(105)
C207	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C208	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C209	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C210	1-126-391-11	s	CAPACITOR ELECT 47MF/6.3V(105)
C213	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C214	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C215	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C216	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C217	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C218	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C219	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C220	1-128-590-11	s	CAPACITOR ELECT 100MF/6.3V(105)
C221	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C222	1-128-590-11	s	CAPACITOR ELECT 100MF/6.3V(105)
C223	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C224	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C225	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C226	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C227	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C228	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C229	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C230	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C231	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C232	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C233	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C234	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C235	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C236	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C237	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C238	1-126-391-11	s	CAPACITOR ELECT 47MF/6.3V(105)
C239	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C240	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C241	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C242	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C243	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V

(CPU-396 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C244	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C245	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C246	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C247	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C248	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C249	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C250	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C251	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C252	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C253	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C254	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C255	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C256	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C257	1-164-882-11	s	CAPACITOR, CERAMIC 220PF/16V CH
C301	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C303	1-128-416-11	s	CAPACITOR ELECT 100MF/16V(105C)
C304	1-128-590-11	s	CAPACITOR ELECT 100MF/6.3V(105)
C306	1-128-416-11	s	CAPACITOR ELECT 100MF/16V(105C)
C307	1-128-590-11	s	CAPACITOR ELECT 100MF/6.3V(105)
C308	1-107-826-11	s	CAPACITOR, CHIP CERAMIC 0.1MF
C309	1-107-826-11	s	CAPACITOR, CHIP CERAMIC 0.1MF
C310	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C311	1-128-590-11	s	CAPACITOR ELECT 100MF/6.3V(105)
C312	1-128-590-11	s	CAPACITOR ELECT 100MF/6.3V(105)
C313	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C314	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C315	1-128-590-11	s	CAPACITOR ELECT 100MF/6.3V(105)
C316	1-128-590-11	s	CAPACITOR ELECT 100MF/6.3V(105)
C318	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C319	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C320	1-126-391-11	s	CAPACITOR ELECT 47MF/6.3V(105)
C321	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C322	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C323	1-126-391-11	s	CAPACITOR ELECT 47MF/6.3V(105)
C324	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C325	1-128-590-11	s	CAPACITOR ELECT 100MF/6.3V(105)
C326	1-128-590-11	s	CAPACITOR ELECT 100MF/6.3V(105)
C327	1-164-850-11	s	CAPACITOR, CHIP CERAMIC 10PF/50
C328	1-164-850-11	s	CAPACITOR, CHIP CERAMIC 10PF/50
C329	1-164-858-11	s	CAPACITOR, CERAMIC 22PF/50V
C330	1-164-858-11	s	CAPACITOR, CERAMIC 22PF/50V
C331	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C332	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C333	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C334	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C335	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C336	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C337	1-107-826-11	s	CAPACITOR, CHIP CERAMIC 0.1MF
C338	1-107-826-11	s	CAPACITOR, CHIP CERAMIC 0.1MF
C339	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C340	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C341	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C342	1-131-661-11	s	CAPACITOR, ELECT 100MF/10V CHIP
C343	1-128-590-11	s	CAPACITOR ELECT 100MF/6.3V(105)
C344	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
CN3	1-770-297-21	o	HOUSING, CONNECTOR 12P
CN4	1-793-093-11	o	CONNECTOR, BOARD TO BOARD 60P
CN5	1-766-431-21	o	HOUSING, CONNECTOR 30P
CN6	1-766-431-21	o	HOUSING, CONNECTOR 30P

(CPU-396 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
CN7	1-764-093-21	o	PIN, CONNECTOR (PC BOARD) 8P
CN8	1-766-431-21	o	HOUSING, CONNECTOR 30P
CN9	1-766-431-21	o	HOUSING, CONNECTOR 30P
CN10	1-691-757-11	o	PIN, CONNECTOR (PC BOARD) 8P
CN11	1-778-650-11	o	CONNECTOR, FFC (ZIF) 30P
CN12	1-778-650-11	o	CONNECTOR, FFC (ZIF) 30P
CN13	1-778-650-11	o	CONNECTOR, FFC (ZIF) 30P
CN14	1-778-650-11	o	CONNECTOR, FFC (ZIF) 30P
COR1	1-564-948-21	o	PIN, CONNECTOR 3P
COR2	1-564-948-21	o	PIN, CONNECTOR 3P
D1	8-719-016-87	s	DIODE 02DZ2.2-TPH3
D2	8-719-820-41	s	DIODE 1SS302
D4	8-719-070-20	s	DIODE RB706F-40
D5	8-719-024-81	s	DIODE 1SS300-TE85L
E1	1-535-877-22	s	CHIP, CHECKER (TEST POINT)
E2	1-535-877-22	s	CHIP, CHECKER (TEST POINT)
E301	1-535-877-22	s	CHIP, CHECKER (TEST POINT)
E302	1-535-877-22	s	CHIP, CHECKER (TEST POINT)
FB201	1-469-094-21	s	FERRITE, EMI (SMD)
IC1	6-703-461-11	s	IC CY2309ZC-1HT
IC4	8-759-344-91	s	IC RN5VD23AA-TL
IC5	8-759-669-71	s	IC PCF8591T/2
IC6	8-759-648-04	s	IC RTC4574JE-TP
IC7	6-706-487-01	s	IC TC7SH08FU(T5RS0YJF)
IC8	6-706-487-01	s	IC TC7SH08FU(T5RS0YJF)
IC9	6-705-527-11	s	IC HD6417616SFV
IC11	8-759-678-06	s	IC CAT24WC02J1-TE13
IC15	8-759-669-68	s	IC SN74CBT3253PWR-12
IC16	6-705-721-01	s	IC MT48LC8M16A2P-75-Y15WTR
IC17	6-705-721-01	s	IC MT48LC8M16A2P-75-Y15WTR
IC18	6-704-988-01	s	IC FM18L08-70-STR
IC19	8-759-599-93	s	IC NC7SZ08P5
IC20	6-706-483-01	s	IC TC7SH02FU(T5RS0YJF)
IC21	6-706-488-01	s	IC TC7SH14FU(T5RS0YJF)
IC22	6-706-484-01	s	IC TC7SH04FU(T5RS0YJF)
IC23	6-706-484-01	s	IC TC7SH04FU(T5RS0YJF)
IC24	6-706-488-01	s	IC TC7SH14FU(T5RS0YJF)
IC26	8-759-386-27	s	IC 74LCX04MTCX
IC27	8-759-466-55	s	IC 74LCX74MTCX
IC30	8-759-592-47	s	IC TC7SZ08FU(TE85R)
IC31	6-704-988-01	s	IC FM18L08-70-STR
IC32	8-759-584-32	s	IC MB86189PFV-G-BND-ER
IC33	8-759-557-84	s	IC NC7SZ04P5X
IC34	8-759-557-84	s	IC NC7SZ04P5X
IC35	8-759-599-93	s	IC NC7SZ08P5
IC36	6-706-488-01	s	IC TC7SH14FU(T5RS0YJF)
IC37	8-759-337-40	s	IC NJM2904V(TE2)
IC38	6-706-487-01	s	IC TC7SH08FU(T5RS0YJF)
IC201	6-706-668-01	s	IC YGV627-VZ
IC203	8-759-712-68	s	IC EP1K50QC208-3
IC204	6-706-487-01	s	IC TC7SH08FU(T5RS0YJF)
IC301	6-700-655-01	s	IC LT1963ES8#TR
IC302	6-700-655-01	s	IC LT1963ES8#TR
IC303	8-759-594-17	o	IC CXD9093R
IC304	6-700-655-01	s	IC LT1963ES8#TR
IC305	8-759-578-68	s	IC SN74LVCC4245APWR
IC306	8-759-578-68	s	IC SN74LVCC4245APWR

(CPU-396 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
IC307	8-752-392-03	s	IC CXD1095BR
IC308	8-752-392-03	s	IC CXD1095BR
IC309	8-759-337-40	s	IC NJM2904V(TE2)
IC310	8-759-471-96	s	IC 74VHC08MTCX
IC311	8-759-471-96	s	IC 74VHC08MTCX
IC312	6-706-476-01	s	IC TC7SET04FU(T5RS0JF)
IC313	6-706-476-01	s	IC TC7SET04FU(T5RS0JF)
IC314	6-706-476-01	s	IC TC7SET04FU(T5RS0JF)
IC315	6-706-476-01	s	IC TC7SET04FU(T5RS0JF)
IC316	8-759-092-81	s	IC SN75158PS
IC317	8-759-471-91	s	IC 74VHC04MTCX
IC318	8-759-599-93	s	IC NC7SZ08P5
L1	1-414-398-11	s	INDUCTOR (SMD) 10UH
L2	1-414-398-11	s	INDUCTOR (SMD) 10UH
L3	1-414-398-11	s	INDUCTOR (SMD) 10UH
L4	1-414-398-11	s	INDUCTOR (SMD) 10UH
L5	1-414-398-11	s	INDUCTOR (SMD) 10UH
L6	1-414-398-11	s	INDUCTOR (SMD) 10UH
L8	1-414-398-11	s	INDUCTOR (SMD) 10UH
L9	1-414-398-11	s	INDUCTOR (SMD) 10UH
L10	1-414-398-11	s	INDUCTOR (SMD) 10UH
L11	1-414-398-11	s	INDUCTOR (SMD) 10UH
L12	1-414-398-11	s	INDUCTOR (SMD) 10UH
L13	1-414-398-11	s	INDUCTOR (SMD) 10UH
L14	1-414-398-11	s	INDUCTOR (SMD) 10UH
L201	1-414-398-11	s	INDUCTOR (SMD) 10UH
L202	1-414-398-11	s	INDUCTOR (SMD) 10UH
L203	1-414-398-11	s	INDUCTOR (SMD) 10UH
L204	1-414-398-11	s	INDUCTOR (SMD) 10UH
L205	1-414-398-11	s	INDUCTOR (SMD) 10UH
L207	1-414-398-11	s	INDUCTOR (SMD) 10UH
L208	1-414-398-11	s	INDUCTOR (SMD) 10UH
L302	1-416-344-11	s	COIL, CHOKE 10UH
L303	1-416-948-21	s	COIL, CHOKE (SMD)
L304	1-416-344-11	s	COIL, CHOKE 10UH
L305	1-414-398-11	s	INDUCTOR (SMD) 10UH
L306	1-414-398-11	s	INDUCTOR (SMD) 10UH
L307	1-414-398-11	s	INDUCTOR (SMD) 10UH
L308	1-416-344-11	s	COIL, CHOKE 10UH
L309	1-416-344-11	s	COIL, CHOKE 10UH
PH301	8-749-014-35	s	IC HCPL-0630-500
PH302	8-749-014-35	s	IC HCPL-0630-500
Q2	8-729-927-99	s	TRANSISTOR 2SC4617R
Q3	8-729-928-19	s	TRANSISTOR 2SA1774R
Q4	8-729-927-99	s	TRANSISTOR 2SC4617R
Q5	8-729-230-27	s	TRANSISTOR 2SA1213Y-TE12L
Q6	8-729-927-99	s	TRANSISTOR 2SC4617R
R5	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R6	1-208-911-11	s	RESISTOR, CHIP 10K (1005)
R8	1-208-855-81	s	RESISTOR, CHIP 47 1/16W (1005)
R9	1-208-855-81	s	RESISTOR, CHIP 47 1/16W (1005)
R10	1-208-855-81	s	RESISTOR, CHIP 47 1/16W (1005)
R11	1-208-855-81	s	RESISTOR, CHIP 47 1/16W (1005)
R12	1-208-855-81	s	RESISTOR, CHIP 47 1/16W (1005)
R13	1-208-675-11	s	RESISTOR CHIP 470 1/16W (1005)
R14	1-208-691-11	s	RESISTOR CHIP 2.2K 1/16W (1005)
R17	1-208-683-11	s	RESISTOR CHIP 1K 1/16W (1005)

(CPU-396 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R18	1-208-927-11	s	RESISTOR, CHIP 47K 1/16W (1005)
R19	1-218-941-11	s	RESISTOR, CHIP 100 1/16W (1005)
R20	1-218-989-11	s	RESISTOR, CHIP 1M 1/16W (1005)
R21	1-208-635-11	s	RESISTOR, CHIP 10 1/16W (1005)
R23	1-208-911-11	s	RESISTOR, CHIP 10K (1005)
R24	1-208-647-11	s	RESISTOR, CHIP 33 1/16W (1005)
R26	1-208-935-11	s	RESISTOR, CHIP 100K (1005)
R27	1-208-683-11	s	RESISTOR, CHIP 1K 1/16W (1005)
R28	1-218-990-11	s	RESISTOR, CHIP 0 1/16W (1005)
R29	1-208-691-11	s	RESISTOR, CHIP 2.2K 1/16W (1005)
R30	1-208-927-11	s	RESISTOR, CHIP 47K 1/16W (1005)
R31	1-218-990-11	s	RESISTOR, CHIP 0 1/16W (1005)
R32	1-218-990-11	s	RESISTOR, CHIP 0 1/16W (1005)
R33	1-208-911-11	s	RESISTOR, CHIP 10K (1005)
R34	1-208-911-11	s	RESISTOR, CHIP 10K (1005)
R35	1-208-711-11	s	RESISTOR, CHIP 15K 1/16W (1005)
R36	1-208-935-11	s	RESISTOR, CHIP 100K (1005)
R37	1-208-911-11	s	RESISTOR, CHIP 10K (1005)
R38	1-218-941-11	s	RESISTOR, CHIP 100 1/16W (1005)
R40	1-208-911-11	s	RESISTOR, CHIP 10K (1005)
R41	1-218-941-11	s	RESISTOR, CHIP 100 1/16W (1005)
R42	1-218-941-11	s	RESISTOR, CHIP 100 1/16W (1005)
R43	1-218-941-11	s	RESISTOR, CHIP 100 1/16W (1005)
R44	1-218-941-11	s	RESISTOR, CHIP 100 1/16W (1005)
R49	1-208-911-11	s	RESISTOR, CHIP 10K (1005)
R50	1-208-911-11	s	RESISTOR, CHIP 10K (1005)
R51	1-218-941-11	s	RESISTOR, CHIP 100 1/16W (1005)
R52	1-208-855-81	s	RESISTOR, CHIP 47 1/16W (1005)
R53	1-208-855-81	s	RESISTOR, CHIP 47 1/16W (1005)
R54	1-218-941-11	s	RESISTOR, CHIP 100 1/16W (1005)
R55	1-218-941-11	s	RESISTOR, CHIP 100 1/16W (1005)
R56	1-208-911-11	s	RESISTOR, CHIP 10K (1005)
R57	1-208-935-11	s	RESISTOR, CHIP 100K (1005)
R58	1-208-935-11	s	RESISTOR, CHIP 100K (1005)
R59	1-208-911-11	s	RESISTOR, CHIP 10K (1005)
R60	1-218-990-11	s	RESISTOR, CHIP 0 1/16W (1005)
R61	1-218-990-11	s	RESISTOR, CHIP 0 1/16W (1005)
R62	1-218-990-11	s	RESISTOR, CHIP 0 1/16W (1005)
R63	1-208-911-11	s	RESISTOR, CHIP 10K (1005)
R64	1-208-855-81	s	RESISTOR, CHIP 47 1/16W (1005)
R65	1-208-855-81	s	RESISTOR, CHIP 47 1/16W (1005)
R66	1-208-643-11	s	RESISTOR, CHIP 22 1/16W (1005)
R67	1-208-643-11	s	RESISTOR, CHIP 22 1/16W (1005)
R68	1-208-643-11	s	RESISTOR, CHIP 22 1/16W (1005)
R69	1-208-643-11	s	RESISTOR, CHIP 22 1/16W (1005)
R70	1-208-643-11	s	RESISTOR, CHIP 22 1/16W (1005)
R71	1-208-643-11	s	RESISTOR, CHIP 22 1/16W (1005)
R72	1-208-643-11	s	RESISTOR, CHIP 22 1/16W (1005)
R73	1-208-855-81	s	RESISTOR, CHIP 47 1/16W (1005)
R74	1-208-935-11	s	RESISTOR, CHIP 100K (1005)
R75	1-218-941-11	s	RESISTOR, CHIP 100 1/16W (1005)
R76	1-218-941-11	s	RESISTOR, CHIP 100 1/16W (1005)
R79	1-208-935-11	s	RESISTOR, CHIP 100K (1005)
R80	1-208-935-11	s	RESISTOR, CHIP 100K (1005)
R81	1-208-935-11	s	RESISTOR, CHIP 100K (1005)
R82	1-208-935-11	s	RESISTOR, CHIP 100K (1005)
R83	1-208-911-11	s	RESISTOR, CHIP 10K (1005)
R84	1-208-911-11	s	RESISTOR, CHIP 10K (1005)
R85	1-208-911-11	s	RESISTOR, CHIP 10K (1005)

(CPU-396 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R86	1-208-911-11	s	RESISTOR, CHIP 10K (1005)
R87	1-208-911-11	s	RESISTOR, CHIP 10K (1005)
R88	1-208-935-11	s	RESISTOR, CHIP 100K (1005)
R89	1-208-935-11	s	RESISTOR, CHIP 100K (1005)
R90	1-208-911-11	s	RESISTOR, CHIP 10K (1005)
R91	1-218-990-11	s	RESISTOR, CHIP 0 1/16W (1005)
R92	1-208-935-11	s	RESISTOR, CHIP 100K (1005)
R93	1-218-990-11	s	RESISTOR, CHIP 0 1/16W (1005)
R94	1-218-990-11	s	RESISTOR, CHIP 0 1/16W (1005)
R96	1-208-911-11	s	RESISTOR, CHIP 10K (1005)
R97	1-208-911-11	s	RESISTOR, CHIP 10K (1005)
R98	1-208-935-11	s	RESISTOR, CHIP 100K (1005)
R99	1-208-935-11	s	RESISTOR, CHIP 100K (1005)
R100	1-218-941-11	s	RESISTOR, CHIP 100 1/16W (1005)
R101	1-218-941-11	s	RESISTOR, CHIP 100 1/16W (1005)
R102	1-218-941-11	s	RESISTOR, CHIP 100 1/16W (1005)
R103	1-208-935-11	s	RESISTOR, CHIP 100K (1005)
R104	1-208-935-11	s	RESISTOR, CHIP 100K (1005)
R105	1-208-935-11	s	RESISTOR, CHIP 100K (1005)
R107	1-208-911-11	s	RESISTOR, CHIP 10K (1005)
R108	1-208-935-11	s	RESISTOR, CHIP 100K (1005)
R109	1-208-715-11	s	RESISTOR, CHIP 22K 1/16W (1005)
R110	1-208-927-11	s	RESISTOR, CHIP 47K 1/16W (1005)
R111	1-208-927-11	s	RESISTOR, CHIP 47K 1/16W (1005)
R112	1-208-695-11	s	RESISTOR, CHIP 3.3K 1/16W (1005)
R113	1-218-990-11	s	RESISTOR, CHIP 0 1/16W (1005)
R116	1-208-635-11	s	RESISTOR, CHIP 10 1/16W (1005)
R119	1-218-941-11	s	RESISTOR, CHIP 100 1/16W (1005)
R120	1-218-941-11	s	RESISTOR, CHIP 100 1/16W (1005)
R200	1-218-990-11	s	RESISTOR, CHIP 0 1/16W (1005)
R201	1-208-643-11	s	RESISTOR, CHIP 22 1/16W (1005)
R202	1-208-643-11	s	RESISTOR, CHIP 22 1/16W (1005)
R203	1-208-643-11	s	RESISTOR, CHIP 22 1/16W (1005)
R204	1-208-643-11	s	RESISTOR, CHIP 22 1/16W (1005)
R205	1-208-635-11	s	RESISTOR, CHIP 10 1/16W (1005)
R206	1-208-635-11	s	RESISTOR, CHIP 10 1/16W (1005)
R207	1-208-635-11	s	RESISTOR, CHIP 10 1/16W (1005)
R208	1-208-635-11	s	RESISTOR, CHIP 10 1/16W (1005)
R209	1-208-635-11	s	RESISTOR, CHIP 10 1/16W (1005)
R210	1-208-671-11	s	RESISTOR, CHIP 330 1/16W (1005)
R211	1-208-635-11	s	RESISTOR, CHIP 10 1/16W (1005)
R212	1-208-635-11	s	RESISTOR, CHIP 10 1/16W (1005)
R213	1-208-635-11	s	RESISTOR, CHIP 10 1/16W (1005)
R214	1-208-635-11	s	RESISTOR, CHIP 10 1/16W (1005)
R215	1-208-911-11	s	RESISTOR, CHIP 10K (1005)
R216	1-208-683-11	s	RESISTOR, CHIP 1K 1/16W (1005)
R217	1-208-683-11	s	RESISTOR, CHIP 1K 1/16W (1005)
R218	1-208-635-11	s	RESISTOR, CHIP 10 1/16W (1005)
R219	1-208-635-11	s	RESISTOR, CHIP 10 1/16W (1005)
R220	1-208-635-11	s	RESISTOR, CHIP 10 1/16W (1005)
R221	1-208-635-11	s	RESISTOR, CHIP 10 1/16W (1005)
R222	1-208-683-11	s	RESISTOR, CHIP 1K 1/16W (1005)
R223	1-208-683-11	s	RESISTOR, CHIP 1K 1/16W (1005)
R224	1-208-683-11	s	RESISTOR, CHIP 1K 1/16W (1005)
R225	1-208-683-11	s	RESISTOR, CHIP 1K 1/16W (1005)
R226	1-208-683-11	s	RESISTOR, CHIP 1K 1/16W (1005)
R227	1-218-941-11	s	RESISTOR, CHIP 100 1/16W (1005)
R228	1-208-695-11	s	RESISTOR, CHIP 3.3K 1/16W (1005)
R229	1-208-695-11	s	RESISTOR, CHIP 3.3K 1/16W (1005)

(CPU-396 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R322	1-208-647-11	s	RESISTOR CHIP 33 1/16W (1005)
R323	1-208-703-11	s	RESISTOR,CHIP 6.8K 1/16W(1005)
R324	1-208-703-11	s	RESISTOR,CHIP 6.8K 1/16W(1005)
R325	1-208-911-11	s	RESISTOR, CHIP 10K (1005)
R326	1-208-703-11	s	RESISTOR,CHIP 6.8K 1/16W(1005)
R327	1-208-703-11	s	RESISTOR,CHIP 6.8K 1/16W(1005)
R328	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R329	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R330	1-208-683-11	s	RESISTOR CHIP 1K 1/16W (1005)
R331	1-208-663-11	s	RESISTOR CHIP 150 1/16W (1005)
R332	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R333	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R334	1-208-683-11	s	RESISTOR CHIP 1K 1/16W (1005)
R335	1-208-663-11	s	RESISTOR CHIP 150 1/16W (1005)
R336	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R338	1-208-715-11	s	RESISTOR,CHIP 22K 1/16W (1005)
R339	1-208-715-11	s	RESISTOR,CHIP 22K 1/16W (1005)
R340	1-208-715-11	s	RESISTOR,CHIP 22K 1/16W (1005)
R341	1-208-715-11	s	RESISTOR,CHIP 22K 1/16W (1005)
R342	1-208-715-11	s	RESISTOR,CHIP 22K 1/16W (1005)
R343	1-208-911-11	s	RESISTOR, CHIP 10K (1005)
R344	1-208-911-11	s	RESISTOR, CHIP 10K (1005)
R345	1-208-911-11	s	RESISTOR, CHIP 10K (1005)
R346	1-208-911-11	s	RESISTOR, CHIP 10K (1005)
R347	1-208-715-11	s	RESISTOR,CHIP 22K 1/16W (1005)
R348	1-208-911-11	s	RESISTOR, CHIP 10K (1005)
R349	1-208-675-11	s	RESISTOR CHIP 470 1/16W (1005)
R350	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R351	1-208-935-11	s	RESISTOR, CHIP 100K (1005)
R357	1-208-927-11	s	RESISTOR, CHIP 47K 1/16W(1005)
R360	1-208-935-11	s	RESISTOR, CHIP 100K (1005)
R361	1-208-935-11	s	RESISTOR, CHIP 100K (1005)
R362	1-208-935-11	s	RESISTOR, CHIP 100K (1005)
R363	1-208-935-11	s	RESISTOR, CHIP 100K (1005)
R364	1-208-935-11	s	RESISTOR, CHIP 100K (1005)
R365	1-208-935-11	s	RESISTOR, CHIP 100K (1005)
R366	1-208-935-11	s	RESISTOR, CHIP 100K (1005)
R367	1-208-935-11	s	RESISTOR, CHIP 100K (1005)
R368	1-208-935-11	s	RESISTOR, CHIP 100K (1005)
R369	1-208-935-11	s	RESISTOR, CHIP 100K (1005)
R370	1-208-935-11	s	RESISTOR, CHIP 100K (1005)
R371	1-208-935-11	s	RESISTOR, CHIP 100K (1005)
R372	1-208-935-11	s	RESISTOR, CHIP 100K (1005)
R373	1-208-935-11	s	RESISTOR, CHIP 100K (1005)
RB2	1-234-381-21	s	RES, NETWORK 100KX4 (1005)
RB3	1-234-381-21	s	RES, NETWORK 100KX4 (1005)
RB4	1-234-381-21	s	RES, NETWORK 100KX4 (1005)
RB5	1-234-381-21	s	RES, NETWORK 100KX4 (1005)
RB6	1-234-381-21	s	RES, NETWORK 100KX4 (1005)
RB7	1-234-381-21	s	RES, NETWORK 100KX4 (1005)
RB8	1-234-378-11	s	RES, NETWORK 10KX4 (1005)
RB9	1-234-381-21	s	RES, NETWORK 100KX4 (1005)
RB10	1-234-381-21	s	RES, NETWORK 100KX4 (1005)
RB11	1-234-381-21	s	RES, NETWORK 100KX4 (1005)
RB12	1-234-381-21	s	RES, NETWORK 100KX4 (1005)
RB13	1-234-381-21	s	RES, NETWORK 100KX4 (1005)
RB14	1-234-381-21	s	RES, NETWORK 100KX4 (1005)
RB15	1-234-381-21	s	RES, NETWORK 100KX4 (1005)
RB16	1-234-381-21	s	RES, NETWORK 100KX4 (1005)

(CPU-396 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description	
RB17	1-234-381-21	s	RES, NETWORK 100KX4	(1005)
RB18	1-234-381-21	s	RES, NETWORK 100KX4	(1005)
RB19	1-234-381-21	s	RES, NETWORK 100KX4	(1005)
RB20	1-234-381-21	s	RES, NETWORK 100KX4	(1005)
RB21	1-234-381-21	s	RES, NETWORK 100KX4	(1005)
RB22	1-234-381-21	s	RES, NETWORK 100KX4	(1005)
RB23	1-234-381-21	s	RES, NETWORK 100KX4	(1005)
RB24	1-234-381-21	s	RES, NETWORK 100KX4	(1005)
RB201	1-234-381-21	s	RES, NETWORK 100KX4	(1005)
RB202	1-234-381-21	s	RES, NETWORK 100KX4	(1005)
RB203	1-234-381-21	s	RES, NETWORK 100KX4	(1005)
RB204	1-234-372-11	s	RES, NETWORK 100X4	(1005)
RB205	1-234-372-11	s	RES, NETWORK 100X4	(1005)
RB206	1-234-372-11	s	RES, NETWORK 100X4	(1005)
RB301	1-234-380-11	s	RESISTOR, NETWORK 47KX4	(1005)
RB302	1-234-380-11	s	RESISTOR, NETWORK 47KX4	(1005)
RB303	1-234-380-11	s	RESISTOR, NETWORK 47KX4	(1005)
RB304	1-234-380-11	s	RESISTOR, NETWORK 47KX4	(1005)
RB305	1-234-380-11	s	RESISTOR, NETWORK 47KX4	(1005)
RB306	1-234-380-11	s	RESISTOR, NETWORK 47KX4	(1005)
RB307	1-234-380-11	s	RESISTOR, NETWORK 47KX4	(1005)
RB308	1-234-380-11	s	RESISTOR, NETWORK 47KX4	(1005)
RB309	1-234-376-11	s	RESISTOR, NETWORK 2.2X4	(1005)
RB310	1-234-376-11	s	RESISTOR, NETWORK 2.2X4	(1005)
RB311	1-234-376-11	s	RESISTOR, NETWORK 2.2X4	(1005)
RB312	1-234-376-11	s	RESISTOR, NETWORK 2.2X4	(1005)
RB313	1-234-376-11	s	RESISTOR, NETWORK 2.2X4	(1005)
RB314	1-234-376-11	s	RESISTOR, NETWORK 2.2X4	(1005)
RB315	1-234-376-11	s	RESISTOR, NETWORK 2.2X4	(1005)
RB316	1-234-376-11	s	RESISTOR, NETWORK 2.2X4	(1005)
RB317	1-234-376-11	s	RESISTOR, NETWORK 2.2X4	(1005)
RB318	1-234-376-11	s	RESISTOR, NETWORK 2.2X4	(1005)
RB319	1-234-380-11	s	RESISTOR, NETWORK 47KX4	(1005)
RB320	1-234-380-11	s	RESISTOR, NETWORK 47KX4	(1005)
RB321	1-234-380-11	s	RESISTOR, NETWORK 47KX4	(1005)
RB322	1-234-380-11	s	RESISTOR, NETWORK 47KX4	(1005)
RB323	1-234-380-11	s	RESISTOR, NETWORK 47KX4	(1005)
RB324	1-234-380-11	s	RESISTOR, NETWORK 47KX4	(1005)
RB325	1-234-380-11	s	RESISTOR, NETWORK 47KX4	(1005)
RB326	1-234-380-11	s	RESISTOR, NETWORK 47KX4	(1005)
RB327	1-234-380-11	s	RESISTOR, NETWORK 47KX4	(1005)
RB328	1-234-380-11	s	RESISTOR, NETWORK 47KX4	(1005)
S1	1-771-709-31	s	SWITCH, SLIDE	
S301	1-692-271-31	s	SWITCH, SLIDE	
THP1	△ 1-803-353-21	s	THERMISTOR, POSITIVE	
THP301	△ 1-803-615-11	s	THERMISTOR, POSITIVE	
THP302	△ 1-803-615-11	s	THERMISTOR, POSITIVE	
THP303	△ 1-803-615-11	s	THERMISTOR, POSITIVE	
THP304	△ 1-533-817-21	s	THERMISTOR	
THP305	△ 1-803-615-11	s	THERMISTOR, POSITIVE	
THP306	△ 1-803-615-11	s	THERMISTOR, POSITIVE	
THP307	△ 1-533-817-21	s	THERMISTOR	
THP308	△ 1-533-817-21	s	THERMISTOR	
X1	1-767-204-21	s	VIBRATOR, CRYSTAL	

LED-441 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1119-055-A	s	MOUNTED CIRCUIT BOARD, LED-441
CN2	1-770-297-21	o	HOUSING, CONNECTOR 12P
D1	6-500-759-01	s	DIODE FRDG1211C-TR
D2	6-500-759-01	s	DIODE FRDG1211C-TR
D3	6-500-759-01	s	DIODE FRDG1211C-TR
D4	6-500-759-01	s	DIODE FRDG1211C-TR
D5	6-500-759-01	s	DIODE FRDG1211C-TR
D6	6-500-759-01	s	DIODE FRDG1211C-TR
D7	6-500-759-01	s	DIODE FRDG1211C-TR
D8	6-500-759-01	s	DIODE FRDG1211C-TR
D9	6-500-759-01	s	DIODE FRDG1211C-TR
D10	6-500-759-01	s	DIODE FRDG1211C-TR
D11	6-500-759-01	s	DIODE FRDG1211C-TR
D12	6-500-759-01	s	DIODE FRDG1211C-TR
D13	6-500-759-01	s	DIODE FRDG1211C-TR
D14	6-500-759-01	s	DIODE FRDG1211C-TR
D15	6-500-759-01	s	DIODE FRDG1211C-TR
D16	6-500-759-01	s	DIODE FRDG1211C-TR
D17	6-500-759-01	s	DIODE FRDG1211C-TR
D18	6-500-759-01	s	DIODE FRDG1211C-TR
D19	6-500-759-01	s	DIODE FRDG1211C-TR
D20	6-500-759-01	s	DIODE FRDG1211C-TR
D21	6-500-759-01	s	DIODE FRDG1211C-TR
D22	6-500-759-01	s	DIODE FRDG1211C-TR
D23	6-500-759-01	s	DIODE FRDG1211C-TR
D24	6-500-759-01	s	DIODE FRDG1211C-TR
D25	6-500-759-01	s	DIODE FRDG1211C-TR
D26	6-500-759-01	s	DIODE FRDG1211C-TR
D27	6-500-759-01	s	DIODE FRDG1211C-TR
D31	6-500-759-01	s	DIODE FRDG1211C-TR
D33	6-500-759-01	s	DIODE FRDG1211C-TR
D35	6-500-759-01	s	DIODE FRDG1211C-TR
D40	6-500-759-01	s	DIODE FRDG1211C-TR
D41	6-500-759-01	s	DIODE FRDG1211C-TR
D42	6-500-759-01	s	DIODE FRDG1211C-TR
D46	6-500-759-01	s	DIODE FRDG1211C-TR
D47	6-500-759-01	s	DIODE FRDG1211C-TR
D48	6-500-759-01	s	DIODE FRDG1211C-TR
D50	6-501-034-01	s	DIODE MU11-4201
D51	6-501-034-01	s	DIODE MU11-4201
D52	6-501-034-01	s	DIODE MU11-4201
D54	6-501-034-01	s	DIODE MU11-4201
D55	6-501-034-01	s	DIODE MU11-4201
D56	6-501-034-01	s	DIODE MU11-4201
D58	6-501-034-01	s	DIODE MU11-4201
D59	6-501-034-01	s	DIODE MU11-4201
D60	6-501-034-01	s	DIODE MU11-4201
D61	6-501-034-01	s	DIODE MU11-4201
D62	6-501-034-01	s	DIODE MU11-4201
D65	6-501-034-01	s	DIODE MU11-4201
D67	6-501-034-01	s	DIODE MU11-4201
D69	6-501-034-01	s	DIODE MU11-4201
D70	6-501-034-01	s	DIODE MU11-4201
D71	6-501-034-01	s	DIODE MU11-4201
ND1	8-719-948-06	s	LED ARRAY LB-202ML
ND2	8-719-948-06	s	LED ARRAY LB-202ML
ND3	8-719-948-06	s	LED ARRAY LB-202ML

(LED-441 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R132	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R133	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R134	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R138	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R139	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R140	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R144	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R146	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R149	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R150	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R151	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)

LED-445 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1119-060-A	s	MOUNTED CIRCUIT BOARD, LED-445
CN1	1-566-477-11	o	PIN, SOCKET 5P
CN2	1-566-477-11	o	PIN, SOCKET 5P
ND1	8-719-948-06	s	LED ARRAY LB-202ML

SW-1285 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1121-508-A	s MOUNTED CIRCUIT BOARD, SW-1285
BZ600	1-529-025-00	s BUZZER, PIEZO
C1	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C2	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C3	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C4	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C5	1-126-390-11	s CAPACITOR ELECT 22MF/6.3V(105)
C6	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C7	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C8	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C9	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C10	1-100-567-81	s CAP,CHIP CERAMIC 0.01MF B 1005
C11	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C12	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C13	1-126-391-11	s CAPACITOR ELECT 47MF/6.3V(105)
C14	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C16	1-164-858-11	s CAPACITOR, CERAMIC 22PF/50V
C17	1-164-858-11	s CAPACITOR, CERAMIC 22PF/50V
C18	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C19	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C20	1-127-692-91	s CAP, CHIP CERAMIC 10MF B 3216
C21	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C22	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C23	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C24	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C25	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C27	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C28	1-107-819-11	s CAP, CERAMIC 22000PF/16V(1005)
C30	1-107-819-11	s CAP, CERAMIC 22000PF/16V(1005)
C31	1-107-819-11	s CAP, CERAMIC 22000PF/16V(1005)
C32	1-107-819-11	s CAP, CERAMIC 22000PF/16V(1005)
C34	1-107-819-11	s CAP, CERAMIC 22000PF/16V(1005)
C35	1-107-819-11	s CAP, CERAMIC 22000PF/16V(1005)
C37	1-107-819-11	s CAP, CERAMIC 22000PF/16V(1005)
C38	1-107-819-11	s CAP, CERAMIC 22000PF/16V(1005)
C40	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C41	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C42	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C43	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C44	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C45	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C46	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C47	1-164-862-11	s CAPACITOR,CHIP CERAMIC 33PF/50
C48	1-164-862-11	s CAPACITOR,CHIP CERAMIC 33PF/50
C200	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C201	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C202	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C203	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C204	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C205	1-126-391-11	s CAPACITOR ELECT 47MF/6.3V(105)
C206	1-126-391-11	s CAPACITOR ELECT 47MF/6.3V(105)
C207	1-126-391-11	s CAPACITOR ELECT 47MF/6.3V(105)
C208	1-126-391-11	s CAPACITOR ELECT 47MF/6.3V(105)
C209	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C210	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C211	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C212	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V

(SW-1285 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C213	1-126-391-11	s CAPACITOR ELECT 47MF/6.3V(105)
C214	1-126-391-11	s CAPACITOR ELECT 47MF/6.3V(105)
C215	1-126-391-11	s CAPACITOR ELECT 47MF/6.3V(105)
C216	1-126-391-11	s CAPACITOR ELECT 47MF/6.3V(105)
C217	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C600	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C601	1-126-391-11	s CAPACITOR ELECT 47MF/6.3V(105)
C602	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C603	1-126-391-11	s CAPACITOR ELECT 47MF/6.3V(105)
C604	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C605	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C606	1-126-391-11	s CAPACITOR ELECT 47MF/6.3V(105)
C640	1-128-590-11	s CAPACITOR ELECT 100MF/6.3V(105)
C641	1-128-590-11	s CAPACITOR ELECT 100MF/6.3V(105)
C642	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C643	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C644	1-128-590-11	s CAPACITOR ELECT 100MF/6.3V(105)
C645	1-128-590-11	s CAPACITOR ELECT 100MF/6.3V(105)
C646	1-128-590-11	s CAPACITOR ELECT 100MF/6.3V(105)
C647	1-128-590-11	s CAPACITOR ELECT 100MF/6.3V(105)
C648	1-131-661-11	s CAPACITOR, ELECT 100MF/10V CHIP
C649	1-131-661-11	s CAPACITOR, ELECT 100MF/10V CHIP
C650	1-131-661-11	s CAPACITOR, ELECT 100MF/10V CHIP
C651	1-131-661-11	s CAPACITOR, ELECT 100MF/10V CHIP
C652	1-131-661-11	s CAPACITOR, ELECT 100MF/10V CHIP
C653	1-131-661-11	s CAPACITOR, ELECT 100MF/10V CHIP
C654	1-131-661-11	s CAPACITOR, ELECT 100MF/10V CHIP
C655	1-131-661-11	s CAPACITOR, ELECT 100MF/10V CHIP
C660	1-125-777-11	s CAPACITOR CERAMIC 0.1MF/10V
C661	1-128-416-11	s CAPACITOR ELECT 100MF/16V(105C)
CN1	1-563-141-11	s CONNECTOR, F.P.C 8P
CN2	1-580-789-22	o PIN, CONNECTOR (SMD) 6P
CN3	1-784-625-11	o CONNECTOR, FFC (ZIF) 30P
CN4	1-506-469-11	s PIN, CONNECTOR (4P)
CN5	1-506-469-11	s PIN, CONNECTOR (4P)
CN603	1-766-431-21	o HOUSING, CONNECTOR 30P
CN604	1-766-431-21	o HOUSING, CONNECTOR 30P
CN606	1-815-923-11	s CONNECTOR, BOARD TO BOARD 80P
CN607	1-770-297-21	o HOUSING, CONNECTOR 12P
CN608	1-573-201-21	s SOCKET, SIL 5P
CN609	1-573-201-21	s SOCKET, SIL 5P
D1	8-719-989-00	s DIODE DA221
D2	8-719-989-00	s DIODE DA221
D3	8-719-989-00	s DIODE DA221
D4	8-719-989-00	s DIODE DA221
D5	8-719-989-00	s DIODE DA221
D6	8-719-989-00	s DIODE DA221
D7	8-719-989-00	s DIODE DA221
D8	8-719-989-00	s DIODE DA221
D9	8-719-989-00	s DIODE DA221
D200	8-719-024-81	s DIODE 1SS300-TE85L
D201	8-719-024-81	s DIODE 1SS300-TE85L
D202	8-719-024-81	s DIODE 1SS300-TE85L
D203	8-719-024-81	s DIODE 1SS300-TE85L
D204	8-719-024-81	s DIODE 1SS300-TE85L
D205	8-719-024-81	s DIODE 1SS300-TE85L
D206	8-719-024-81	s DIODE 1SS300-TE85L

(SW-1285 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
D207	8-719-024-81	s	DIODE 1SS300-TE85L
D208	8-719-024-81	s	DIODE 1SS300-TE85L
D209	8-719-024-81	s	DIODE 1SS300-TE85L
D210	8-719-024-81	s	DIODE 1SS300-TE85L
D211	8-719-024-81	s	DIODE 1SS300-TE85L
D212	8-719-024-81	s	DIODE 1SS300-TE85L
D213	8-719-024-81	s	DIODE 1SS300-TE85L
D214	8-719-024-81	s	DIODE 1SS300-TE85L
D215	8-719-024-81	s	DIODE 1SS300-TE85L
D216	8-719-024-81	s	DIODE 1SS300-TE85L
D217	8-719-024-81	s	DIODE 1SS300-TE85L
D218	8-719-024-81	s	DIODE 1SS300-TE85L
D219	8-719-024-81	s	DIODE 1SS300-TE85L
D220	8-719-024-81	s	DIODE 1SS300-TE85L
D221	8-719-024-81	s	DIODE 1SS300-TE85L
D222	8-719-024-81	s	DIODE 1SS300-TE85L
D223	8-719-024-81	s	DIODE 1SS300-TE85L
D224	8-719-024-81	s	DIODE 1SS300-TE85L
D225	8-719-024-81	s	DIODE 1SS300-TE85L
D226	8-719-024-81	s	DIODE 1SS300-TE85L
E601	1-535-877-22	s	CHIP,CHECKER (TEST POINT)
E602	1-535-877-22	s	CHIP,CHECKER (TEST POINT)
EN1	1-475-218-11	s	ENCODER, ROTARY (SWITCH)
EN2	1-475-218-11	s	ENCODER, ROTARY (SWITCH)
EN3	1-475-218-11	s	ENCODER, ROTARY (SWITCH)
EN4	1-475-218-11	s	ENCODER, ROTARY (SWITCH)
FB1	1-500-283-11	s	INDUCTOR, FERRITE BEAD
IC1	8-759-561-46	s	IC AD8014ART-REEL7
IC4	8-759-388-15	o	IC HD6435328RE48F
IC5	8-759-524-23	s	IC TC74VHC238FT (EL)
IC8	6-700-804-01	s	IC SN74LVC574APWR
IC10	6-701-995-01	s	IC SN74LVC004APWR
IC11	6-700-804-01	s	IC SN74LVC574APWR
IC12	6-700-804-01	s	IC SN74LVC574APWR
IC17	8-759-386-27	s	IC 74LCX04MTCX
IC18	6-700-915-01	s	IC SN74AHCT04PWR
IC19	8-759-471-91	s	IC 74VHC04MTCX
IC20	8-759-471-91	s	IC 74VHC04MTCX
IC21	6-707-755-01	s	IC AHL 71N
IC200	8-759-524-23	s	IC TC74VHC238FT (EL)
IC201	8-759-472-61	s	IC 74VHC573MTCX
IC202	8-759-472-61	s	IC 74VHC573MTCX
IC203	8-759-472-61	s	IC 74VHC573MTCX
IC204	8-759-472-61	s	IC 74VHC573MTCX
IC205	8-759-472-61	s	IC 74VHC573MTCX
IC206	8-759-472-61	s	IC 74VHC573MTCX
IC207	8-759-472-61	s	IC 74VHC573MTCX
IC208	8-759-524-23	s	IC TC74VHC238FT (EL)
IC209	8-759-497-44	s	IC TC7WH125FU(Te12R)
IC600	8-759-491-48	s	IC TC74VHCT138AFT(EL)
IC601	8-759-524-23	s	IC TC74VHC238FT (EL)
IC602	8-759-524-23	s	IC TC74VHC238FT (EL)
IC603	8-759-524-23	s	IC TC74VHC238FT (EL)
IC605	6-700-655-01	s	IC LT1963ES8#TR
IC606	6-700-655-01	s	IC LT1963ES8#TR
L1	1-414-398-11	s	INDUCTOR (SMD) 10UH

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Ref. No. or Q'ty	Part No.	SP	Description
L2	1-416-344-11	s	COIL, CHOKE 10UH
L3	1-414-398-11	s	INDUCTOR (SMD) 10UH
L4	1-414-398-11	s	INDUCTOR (SMD) 10UH
L640	1-416-344-11	s	COIL, CHOKE 10UH
L641	1-416-344-11	s	COIL, CHOKE 10UH
L642	1-416-344-11	s	COIL, CHOKE 10UH
L643	1-416-344-11	s	COIL, CHOKE 10UH
L644	1-416-344-11	s	COIL, CHOKE 10UH
L645	1-416-344-11	s	COIL, CHOKE 10UH
L646	1-416-344-11	s	COIL, CHOKE 10UH
L660	1-410-283-11	s	INDUCTOR
Q1	8-729-928-19	s	TRANSISTOR 2SA1774R
Q2	8-729-928-19	s	TRANSISTOR 2SA1774R
Q3	8-729-927-99	s	TRANSISTOR 2SC4617R
Q4	8-729-928-19	s	TRANSISTOR 2SA1774R
Q5	8-729-927-99	s	TRANSISTOR 2SC4617R
Q6	8-729-927-99	s	TRANSISTOR 2SC4617R
Q200	8-729-929-08	s	TRANSISTOR DTC123JE
Q201	8-729-929-08	s	TRANSISTOR DTC123JE
Q202	8-729-929-08	s	TRANSISTOR DTC123JE
Q203	8-729-929-08	s	TRANSISTOR DTC123JE
Q204	8-729-929-08	s	TRANSISTOR DTC123JE
Q205	8-729-929-08	s	TRANSISTOR DTC123JE
Q206	8-729-929-08	s	TRANSISTOR DTC123JE
Q207	8-729-929-08	s	TRANSISTOR DTC123JE
Q208	8-729-929-08	s	TRANSISTOR DTC123JE
Q209	8-729-929-08	s	TRANSISTOR DTC123JE
Q210	8-729-929-08	s	TRANSISTOR DTC123JE
Q211	8-729-929-08	s	TRANSISTOR DTC123JE
Q212	8-729-929-08	s	TRANSISTOR DTC123JE
Q213	8-729-929-08	s	TRANSISTOR DTC123JE
Q214	8-729-929-08	s	TRANSISTOR DTC123JE
Q215	8-729-929-08	s	TRANSISTOR DTC123JE
Q216	8-729-929-08	s	TRANSISTOR DTC123JE
Q217	8-729-929-08	s	TRANSISTOR DTC123JE
Q218	8-729-929-08	s	TRANSISTOR DTC123JE
Q219	8-729-929-08	s	TRANSISTOR DTC123JE
Q220	8-729-929-08	s	TRANSISTOR DTC123JE
Q221	8-729-929-08	s	TRANSISTOR DTC123JE
Q222	8-729-929-08	s	TRANSISTOR DTC123JE
Q223	8-729-929-08	s	TRANSISTOR DTC123JE
Q224	8-729-929-08	s	TRANSISTOR DTC123JE
Q225	8-729-929-08	s	TRANSISTOR DTC123JE
Q226	8-729-929-08	s	TRANSISTOR DTC123JE
Q227	8-729-929-08	s	TRANSISTOR DTC123JE
Q228	8-729-929-08	s	TRANSISTOR DTC123JE
Q229	8-729-929-08	s	TRANSISTOR DTC123JE
Q230	8-729-929-08	s	TRANSISTOR DTC123JE
Q231	8-729-929-08	s	TRANSISTOR DTC123JE
Q232	8-729-929-08	s	TRANSISTOR DTC123JE
Q233	8-729-929-08	s	TRANSISTOR DTC123JE
Q234	8-729-929-08	s	TRANSISTOR DTC123JE
Q235	8-729-929-08	s	TRANSISTOR DTC123JE
Q236	8-729-929-08	s	TRANSISTOR DTC123JE
Q237	8-729-929-08	s	TRANSISTOR DTC123JE
Q238	8-729-929-08	s	TRANSISTOR DTC123JE
Q239	8-729-929-08	s	TRANSISTOR DTC123JE
Q240	8-729-929-08	s	TRANSISTOR DTC123JE

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Ref. No. or Q'ty	Part No.	SP	Description
Q688	8-729-159-65	s	TRANSISTOR 2SD596-DV5
Q689	8-729-159-65	s	TRANSISTOR 2SD596-DV5
Q690	8-729-928-55	s	TRANSISTOR DTA123JE-TL
Q691	8-729-159-65	s	TRANSISTOR 2SD596-DV5
Q692	8-729-159-65	s	TRANSISTOR 2SD596-DV5
Q693	8-729-929-08	s	TRANSISTOR DTC123JE
Q694	8-729-928-55	s	TRANSISTOR DTA123JE-TL
Q695	8-729-159-65	s	TRANSISTOR 2SD596-DV5
R1	1-208-935-11	s	RESISTOR, CHIP 100K (1005)
R2	1-208-911-11	s	RESISTOR, CHIP 10K (1005)
R3	1-208-911-11	s	RESISTOR, CHIP 10K (1005)
R4	1-218-941-11	s	RESISTOR, CHIP 100 1/16W (1005)
R5	1-218-990-11	s	RESISTOR, CHIP 0 1/16W (1005)
R6	1-218-990-11	s	RESISTOR, CHIP 0 1/16W (1005)
R7	1-218-990-11	s	RESISTOR, CHIP 0 1/16W (1005)
R8	1-218-990-11	s	RESISTOR, CHIP 0 1/16W (1005)
R9	1-208-911-11	s	RESISTOR, CHIP 10K (1005)
R10	1-208-911-11	s	RESISTOR, CHIP 10K (1005)
R12	1-208-935-11	s	RESISTOR, CHIP 100K (1005)
R14	1-208-931-11	s	RESISTOR, CHIP 68K (1005)
R15	1-208-939-11	s	RESISTOR, CHIP 150K (1005)
R16	1-208-923-11	s	RESISTOR, CHIP 33K (1005)
R17	1-208-715-11	s	RESISTOR, CHIP 22K 1/16W (1005)
R18	1-208-911-11	s	RESISTOR, CHIP 10K (1005)
R19	1-208-699-11	s	RESISTOR, CHIP 4.7K 1/16W (1005)
R20	1-208-699-11	s	RESISTOR, CHIP 4.7K 1/16W (1005)
R21	1-208-699-11	s	RESISTOR, CHIP 4.7K 1/16W (1005)
R22	1-208-699-11	s	RESISTOR, CHIP 4.7K 1/16W (1005)
R23	1-208-699-11	s	RESISTOR, CHIP 4.7K 1/16W (1005)
R24	1-208-699-11	s	RESISTOR, CHIP 4.7K 1/16W (1005)
R25	1-208-683-11	s	RESISTOR CHIP 1K 1/16W (1005)
R26	1-208-683-11	s	RESISTOR CHIP 1K 1/16W (1005)
R27	1-208-683-11	s	RESISTOR CHIP 1K 1/16W (1005)
R28	1-208-683-11	s	RESISTOR CHIP 1K 1/16W (1005)
R29	1-208-695-11	s	RESISTOR CHIP 3.3K 1/16W (1005)
R30	1-218-990-11	s	RESISTOR, CHIP 0 1/16W (1005)
R31	1-218-990-11	s	RESISTOR, CHIP 0 1/16W (1005)
R32	1-208-699-11	s	RESISTOR, CHIP 4.7K 1/16W (1005)
R33	1-218-989-11	s	RESISTOR, CHIP 1M 1/16W (1005)
R35	1-218-945-11	s	RESISTOR, CHIP 220 1/16W (1005)
R36	1-218-945-11	s	RESISTOR, CHIP 220 1/16W (1005)
R37	1-218-945-11	s	RESISTOR, CHIP 220 1/16W (1005)
R38	1-218-945-11	s	RESISTOR, CHIP 220 1/16W (1005)
R39	1-218-945-11	s	RESISTOR, CHIP 220 1/16W (1005)
R40	1-218-941-11	s	RESISTOR, CHIP 100 1/16W (1005)
R41	1-218-941-11	s	RESISTOR, CHIP 100 1/16W (1005)
R42	1-218-941-11	s	RESISTOR, CHIP 100 1/16W (1005)
R43	1-218-941-11	s	RESISTOR, CHIP 100 1/16W (1005)
R44	1-218-941-11	s	RESISTOR, CHIP 100 1/16W (1005)
R45	1-218-941-11	s	RESISTOR, CHIP 100 1/16W (1005)
R46	1-218-941-11	s	RESISTOR, CHIP 100 1/16W (1005)
R47	1-218-941-11	s	RESISTOR, CHIP 100 1/16W (1005)
R48	1-218-941-11	s	RESISTOR, CHIP 100 1/16W (1005)
R49	1-218-941-11	s	RESISTOR, CHIP 100 1/16W (1005)
R50	1-218-941-11	s	RESISTOR, CHIP 100 1/16W (1005)
R51	1-218-941-11	s	RESISTOR, CHIP 100 1/16W (1005)
R52	1-218-941-11	s	RESISTOR, CHIP 100 1/16W (1005)
R53	1-218-941-11	s	RESISTOR, CHIP 100 1/16W (1005)

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Ref. No. or Q'ty	Part No.	SP	Description
R54	1-218-941-11	s	RESISTOR, CHIP 100 1/16W (1005)
R55	1-218-941-11	s	RESISTOR, CHIP 100 1/16W (1005)
R56	1-218-941-11	s	RESISTOR, CHIP 100 1/16W (1005)
R57	1-218-941-11	s	RESISTOR, CHIP 100 1/16W (1005)
R58	1-218-941-11	s	RESISTOR, CHIP 100 1/16W (1005)
R59	1-218-941-11	s	RESISTOR, CHIP 100 1/16W (1005)
R60	1-218-941-11	s	RESISTOR, CHIP 100 1/16W (1005)
R61	1-218-941-11	s	RESISTOR, CHIP 100 1/16W (1005)
R62	1-218-941-11	s	RESISTOR, CHIP 100 1/16W (1005)
R63	1-218-941-11	s	RESISTOR, CHIP 100 1/16W (1005)
R73	1-208-683-11	s	RESISTOR CHIP 1K 1/16W (1005)
R75	1-218-945-11	s	RESISTOR, CHIP 220 1/16W (1005)
R76	1-218-945-11	s	RESISTOR, CHIP 220 1/16W (1005)
R77	1-218-945-11	s	RESISTOR, CHIP 220 1/16W (1005)
R78	1-208-635-11	s	RESISTOR CHIP 10 1/16W (1005)
R79	1-218-990-11	s	RESISTOR, CHIP 0 1/16W (1005)
R81	1-208-691-11	s	RESISTOR CHIP 2.2K 1/16W (1005)
R82	1-208-691-11	s	RESISTOR CHIP 2.2K 1/16W (1005)
R83	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R200	1-208-663-11	s	RESISTOR CHIP 150 1/16W (1005)
R201	1-218-945-11	s	RESISTOR, CHIP 220 1/16W (1005)
R202	1-208-663-11	s	RESISTOR CHIP 150 1/16W (1005)
R203	1-218-945-11	s	RESISTOR, CHIP 220 1/16W (1005)
R204	1-208-683-11	s	RESISTOR CHIP 1K 1/16W (1005)
R205	1-208-663-11	s	RESISTOR CHIP 150 1/16W (1005)
R206	1-218-945-11	s	RESISTOR, CHIP 220 1/16W (1005)
R207	1-218-945-11	s	RESISTOR, CHIP 220 1/16W (1005)
R208	1-218-945-11	s	RESISTOR, CHIP 220 1/16W (1005)
R209	1-208-683-11	s	RESISTOR CHIP 1K 1/16W (1005)
R210	1-208-663-11	s	RESISTOR CHIP 150 1/16W (1005)
R211	1-208-675-11	s	RESISTOR CHIP 470 1/16W (1005)
R212	1-218-945-11	s	RESISTOR, CHIP 220 1/16W (1005)
R213	1-218-945-11	s	RESISTOR, CHIP 220 1/16W (1005)
R214	1-208-683-11	s	RESISTOR CHIP 1K 1/16W (1005)
R215	1-208-663-11	s	RESISTOR CHIP 150 1/16W (1005)
R216	1-208-675-11	s	RESISTOR CHIP 470 1/16W (1005)
R217	1-218-945-11	s	RESISTOR, CHIP 220 1/16W (1005)
R218	1-218-945-11	s	RESISTOR, CHIP 220 1/16W (1005)
R219	1-218-945-11	s	RESISTOR, CHIP 220 1/16W (1005)
R220	1-208-675-11	s	RESISTOR CHIP 470 1/16W (1005)
R221	1-218-945-11	s	RESISTOR, CHIP 220 1/16W (1005)
R222	1-218-945-11	s	RESISTOR, CHIP 220 1/16W (1005)
R223	1-218-945-11	s	RESISTOR, CHIP 220 1/16W (1005)
R224	1-218-945-11	s	RESISTOR, CHIP 220 1/16W (1005)
R225	1-208-675-11	s	RESISTOR CHIP 470 1/16W (1005)
R226	1-208-683-11	s	RESISTOR CHIP 1K 1/16W (1005)
R227	1-218-945-11	s	RESISTOR, CHIP 220 1/16W (1005)
R228	1-218-945-11	s	RESISTOR, CHIP 220 1/16W (1005)
R229	1-208-663-11	s	RESISTOR CHIP 150 1/16W (1005)
R230	1-218-945-11	s	RESISTOR, CHIP 220 1/16W (1005)
R231	1-218-945-11	s	RESISTOR, CHIP 220 1/16W (1005)
R232	1-218-945-11	s	RESISTOR, CHIP 220 1/16W (1005)
R233	1-208-663-11	s	RESISTOR CHIP 150 1/16W (1005)
R234	1-218-945-11	s	RESISTOR, CHIP 220 1/16W (1005)
R235	1-218-945-11	s	RESISTOR, CHIP 220 1/16W (1005)
R236	1-218-945-11	s	RESISTOR, CHIP 220 1/16W (1005)
R237	1-218-945-11	s	RESISTOR, CHIP 220 1/16W (1005)
R238	1-218-945-11	s	RESISTOR, CHIP 220 1/16W (1005)
R239	1-218-945-11	s	RESISTOR, CHIP 220 1/16W (1005)

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Ref. No. or Q'ty	Part No.	SP	Description	
R630	1-208-643-11	s	RESISTOR, CHIP 22 1/16W	(1005)
R631	1-208-643-11	s	RESISTOR, CHIP 22 1/16W	(1005)
R632	1-218-939-11	s	RESISTOR, CHIP 68 1/16W	(1005)
R633	1-218-939-11	s	RESISTOR, CHIP 68 1/16W	(1005)
R634	1-218-939-11	s	RESISTOR, CHIP 68 1/16W	(1005)
R635	1-218-939-11	s	RESISTOR, CHIP 68 1/16W	(1005)
R636	1-218-939-11	s	RESISTOR, CHIP 68 1/16W	(1005)
R637	1-218-939-11	s	RESISTOR, CHIP 68 1/16W	(1005)
R638	1-218-939-11	s	RESISTOR, CHIP 68 1/16W	(1005)
R639	1-218-939-11	s	RESISTOR, CHIP 68 1/16W	(1005)
R640	1-208-699-11	s	RESISTOR, CHIP 4.7K 1/16W	(1005)
R641	1-208-683-11	s	RESISTOR, CHIP 1K 1/16W	(1005)
R642	1-218-941-11	s	RESISTOR, CHIP 100 1/16W	(1005)
R643	1-208-647-11	s	RESISTOR, CHIP 33 1/16W	(1005)
R644	1-208-699-11	s	RESISTOR, CHIP 4.7K 1/16W	(1005)
R645	1-208-683-11	s	RESISTOR, CHIP 1K 1/16W	(1005)
R646	1-218-941-11	s	RESISTOR, CHIP 100 1/16W	(1005)
R647	1-208-647-11	s	RESISTOR, CHIP 33 1/16W	(1005)
R648	1-208-911-11	s	RESISTOR, CHIP 10K	(1005)
R649	1-208-911-11	s	RESISTOR, CHIP 10K	(1005)
R650	1-208-647-11	s	RESISTOR, CHIP 33 1/16W	(1005)
R651	1-208-647-11	s	RESISTOR, CHIP 33 1/16W	(1005)
R652	1-208-647-11	s	RESISTOR, CHIP 33 1/16W	(1005)
R653	1-208-647-11	s	RESISTOR, CHIP 33 1/16W	(1005)
R654	1-208-647-11	s	RESISTOR, CHIP 33 1/16W	(1005)
R655	1-208-647-11	s	RESISTOR, CHIP 33 1/16W	(1005)
R656	1-208-647-11	s	RESISTOR, CHIP 33 1/16W	(1005)
R657	1-208-647-11	s	RESISTOR, CHIP 33 1/16W	(1005)
R658	1-208-643-11	s	RESISTOR, CHIP 22 1/16W	(1005)
R659	1-208-935-11	s	RESISTOR, CHIP 100K	(1005)
RB1	1-234-381-21	s	RES, NETWORK 100KX4	(1005)
RB2	1-234-381-21	s	RES, NETWORK 100KX4	(1005)
RB3	1-234-381-21	s	RES, NETWORK 100KX4	(1005)
RB4	1-234-381-21	s	RES, NETWORK 100KX4	(1005)
RB5	1-234-381-21	s	RES, NETWORK 100KX4	(1005)
RB6	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB7	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB8	1-234-381-21	s	RES, NETWORK 100KX4	(1005)
RB9	1-234-381-21	s	RES, NETWORK 100KX4	(1005)
RB10	1-234-381-21	s	RES, NETWORK 100KX4	(1005)
RB11	1-234-381-21	s	RES, NETWORK 100KX4	(1005)
RB12	1-234-381-21	s	RES, NETWORK 100KX4	(1005)
RB13	1-234-381-21	s	RES, NETWORK 100KX4	(1005)
RB14	1-234-381-21	s	RES, NETWORK 100KX4	(1005)
RB15	1-234-381-21	s	RES, NETWORK 100KX4	(1005)
RB16	1-234-381-21	s	RES, NETWORK 100KX4	(1005)
RB17	1-234-372-11	s	RES, NETWORK 100X4	(1005)
RB18	1-234-372-11	s	RES, NETWORK 100X4	(1005)
RB19	1-234-378-11	s	RES, NETWORK 10KX4	(1005)
RB20	1-234-378-11	s	RES, NETWORK 10KX4	(1005)
RB21	1-234-381-21	s	RES, NETWORK 100KX4	(1005)
RB200	1-234-373-21	s	RES, NETWORK 220X4	(1005)
RB600	1-234-373-21	s	RES, NETWORK 220X4	(1005)
RB601	1-234-373-21	s	RES, NETWORK 220X4	(1005)
RB602	1-234-373-21	s	RES, NETWORK 220X4	(1005)
RB603	1-234-373-21	s	RES, NETWORK 220X4	(1005)
RB604	1-234-373-21	s	RES, NETWORK 220X4	(1005)
RB605	1-234-373-21	s	RES, NETWORK 220X4	(1005)
RB606	1-234-373-21	s	RES, NETWORK 220X4	(1005)

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Ref. No. or Q'ty	Part No.	SP	Description	
RB607	1-234-373-21	s	RES, NETWORK 220X4	(1005)
S200	1-762-134-11	s	SWITCH, TACTILE	(ILLUMINATED)
S201	1-762-042-11	s	SWITCH, TACTILE	(ILLUMINATED)
S202	1-762-139-11	s	SWITCH, TACTILE	(ILLUMINATED)
S203	1-762-129-11	s	SWITCH, TACTILE	(ILLUMINATED)
S204	1-762-133-11	s	SWITCH, TACTILE	(ILLUMINATED)
S205	1-762-042-11	s	SWITCH, TACTILE	(ILLUMINATED)
S206	1-762-042-11	s	SWITCH, TACTILE	(ILLUMINATED)
S207	1-762-129-21	s	SWITCH, TACTILE	(ILLUMINATED)
S208	1-762-133-11	s	SWITCH, TACTILE	(ILLUMINATED)
S209	1-762-137-11	s	SWITCH, TACTILE	(ILLUMINATED)
S210	1-762-042-11	s	SWITCH, TACTILE	(ILLUMINATED)
S211	1-762-129-31	s	SWITCH, TACTILE	(ILLUMINATED)
S212	1-762-133-11	s	SWITCH, TACTILE	(ILLUMINATED)
S213	1-762-137-11	s	SWITCH, TACTILE	(ILLUMINATED)
S214	1-762-042-11	s	SWITCH, TACTILE	(ILLUMINATED)
S215	1-762-129-41	s	SWITCH, TACTILE	(ILLUMINATED)
S216	1-692-994-11	s	SWITCH, TACTILE	(ILLUMINATED)
S217	1-762-137-11	s	SWITCH, TACTILE	(ILLUMINATED)
S218	1-762-042-11	s	SWITCH, TACTILE	(ILLUMINATED)
S219	1-762-129-51	s	SWITCH, TACTILE	(ILLUMINATED)
S220	1-692-994-11	s	SWITCH, TACTILE	(ILLUMINATED)
S221	1-762-042-11	s	SWITCH, TACTILE	(ILLUMINATED)
S222	1-762-132-11	s	SWITCH, TACTILE	(ILLUMINATED)
S223	1-692-994-11	s	SWITCH, TACTILE	(ILLUMINATED)
S224	1-762-042-11	s	SWITCH, TACTILE	(ILLUMINATED)
S225	1-762-133-11	s	SWITCH, TACTILE	(ILLUMINATED)
S226	1-692-994-11	s	SWITCH, TACTILE	(ILLUMINATED)
S227	1-762-042-11	s	SWITCH, TACTILE	(ILLUMINATED)
S228	1-692-994-11	s	SWITCH, TACTILE	(ILLUMINATED)
S229	1-762-139-11	s	SWITCH, TACTILE	(ILLUMINATED)
S230	1-762-129-11	s	SWITCH, TACTILE	(ILLUMINATED)
S231	1-762-129-91	s	SWITCH, TACTILE	(ILLUMINATED)
S232	1-762-042-11	s	SWITCH, TACTILE	(ILLUMINATED)
S233	1-762-129-21	s	SWITCH, TACTILE	(ILLUMINATED)
S234	1-762-130-11	s	SWITCH, TACTILE	(ILLUMINATED)
S235	1-762-042-11	s	SWITCH, TACTILE	(ILLUMINATED)
S236	1-762-129-31	s	SWITCH, TACTILE	(ILLUMINATED)
S237	1-762-130-21	s	SWITCH, TACTILE	(ILLUMINATED)
S238	1-762-042-11	s	SWITCH, TACTILE	(ILLUMINATED)
S239	1-762-129-41	s	SWITCH, TACTILE	(ILLUMINATED)
S240	1-762-130-31	s	SWITCH, TACTILE	(ILLUMINATED)
S241	1-762-042-11	s	SWITCH, TACTILE	(ILLUMINATED)
S242	1-762-129-51	s	SWITCH, TACTILE	(ILLUMINATED)
S243	1-762-134-11	s	SWITCH, TACTILE	(ILLUMINATED)
S244	1-762-042-11	s	SWITCH, TACTILE	(ILLUMINATED)
S245	1-762-129-61	s	SWITCH, TACTILE	(ILLUMINATED)
S246	1-762-133-11	s	SWITCH, TACTILE	(ILLUMINATED)
S247	1-692-994-11	s	SWITCH, TACTILE	(ILLUMINATED)
S248	1-762-129-71	s	SWITCH, TACTILE	(ILLUMINATED)
S249	1-762-134-11	s	SWITCH, TACTILE	(ILLUMINATED)
S250	1-762-139-11	s	SWITCH, TACTILE	(ILLUMINATED)
S251	1-762-129-81	s	SWITCH, TACTILE	(ILLUMINATED)
S252	1-762-132-21	s	SWITCH, TACTILE	(ILLUMINATED)
THP600	△ 1-533-817-21	s	THERMISTOR	
THP601	△ 1-533-817-21	s	THERMISTOR	
THP602	△ 1-533-817-21	s	THERMISTOR	

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Ref. No. or Q'ty	Part No.	SP	Description
X1	1-760-435-11	s	VIBRATOR, CRYSTAL
X2	1-795-978-11	s	VIBRATOR, CRYSTAL

2-4. Frame

FRAME

Ref. No. or Q'ty	Part No.	SP Description
1pc	△ 1-468-913-11	s REGULATOR SWITCHING
2pcs	1-466-955-21	s ENCODER, ROTARY (SWITCH)
1pc	△ 1-477-607-11	s INVERTER UNIT (LCD MODULE)
1pc	△ 1-528-174-11	s BATTERY, LITHIUM (CR2032 TYPE)
1pc	1-543-830-21	o CLAMP, SLEEVE FERRITE
1pc	1-805-059-31	s LCD MODULE
1pc	△ 1-963-496-22	s HARNESS(AC-DC)

2-5. Supplied Accessories

SUPPLIED ACCESSORIES

Ref. No. or Q'ty	Part No.	SP Description
1pc	3-868-947-02	s OPERATION MANUAL
1pc	3-872-663-01	s PACK, CD-ROM

2-6. Power Cords List

Q'ty Part No. SP Description

<For customers in Japan>

1pc	△ 1-791-041-3X	s CORD, POWER (----- DK-2401(J))
1pc	3-613-640-01	o HOLDER (C), PLUG (Brown)
1pc	1-793-461-11	o PLUG, CONVERSION (3P-2P)

Plug holder and Plug conversion are included in DK-2401(J).

<For customers in the U.S.A. and Canada>

1pc	△ 1-551-812-11	s CORD, POWER
1pc	2-990-242-01	s HOLDER (B), PLUG (Black)

<For customers in the United Kingdom>

1pc	△ -----	DK-2401(UK)
1pc	2-990-242-01	s HOLDER (B), PLUG (Black)

Plug holder is included in DK-2401(UK).

<For customers in Europe except the United Kingdom>

1pc	△ -----	DK-2401(AE)
1pc	3-613-640-01	o HOLDER (C), PLUG (Brown)

Plug holder is included in DK-2401(AE).

Section 3

Semiconductor Pin Assignments

The following describes the semiconductor types used in this unit.

For semiconductors marked with page numbers in the index, refer to the corresponding pages in this section. However, in some cases incompatible types are also listed, therefore, when a part is to be replaced, also refer to the Spare Parts section.

In addition, for semiconductors with ID Nos., refer to the separate CD-ROM titled “Semiconductor Pin Assignments” (Sony Part No. 9-968-546-xx) that allows searching for parts by semiconductor type or ID No.

The semiconductors in the manual or on the CD-ROM are listed by equivalent types. Thus the external view or the index mark indication may differ from the actual type.

Pin assignments and block diagrams are based on the IC manufacturer’s data book.

本機に使用されている半導体型名の一覧を下記に示します。索引中、ページが記載されている半導体は、本章の該当ページを参照してください。ただし、互換性のない型名を併記している場合がありますので、部品を交換するときは、Spare Partsの章を参照してください。

また、ID番号が記載されている半導体は、別途発行の“Semiconductor Pin Assignments” CD-ROM版 (ソニー部品番号：9-968-546-xx)を参照してください。半導体型名またはID番号から検索ができます。

マニュアルまたはCD-ROMに掲載されている半導体は、それぞれの機能を等価的に表わしたものです。外観やインデックスマークの表示方法が実物と異なる場合があります。

ピン配置およびブロック図はICメーカーのデータブックに従いました。

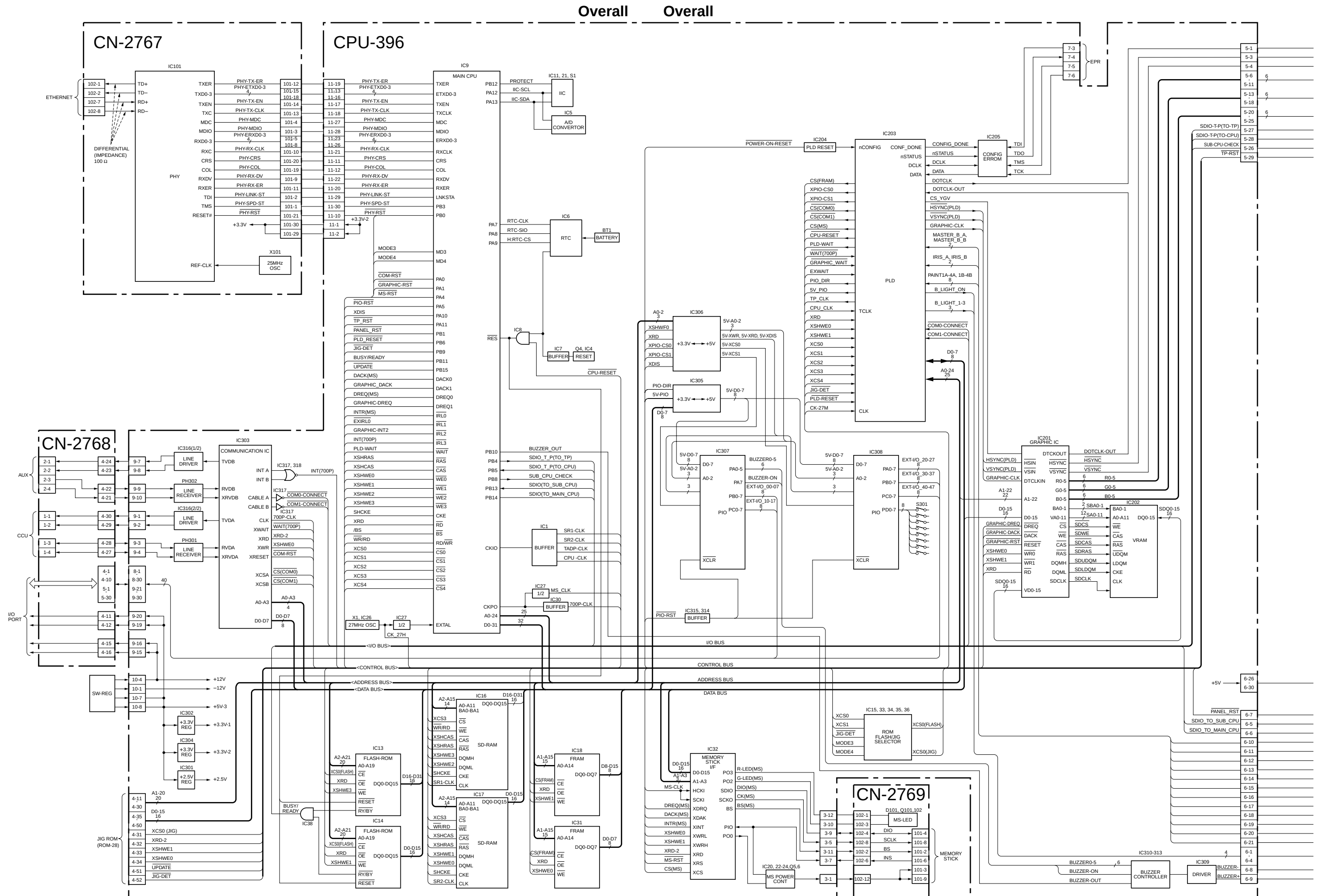
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02DZ2.2-TPH3	DC008-04
1SS300-TE85L	DC001-02
1SS302	DC001-01
1SS302-TE85L	DC001-01
DA221	DC001-01
RB706F-40	DC001-01
LED	Page or ID No.
CL-155UR/G-D	LC009-03
CL-220PG-C-TU	LC008-01
FRDG1211C-TR	LC009-05
LB-202ML	LR076-01
LB-203ML	LR081-01
MD0708C-RG	LR083-04
TRANSISTOR	Page or ID No.
2SA1213Y-TE12L	TC002-01
2SA1774R	TC001-01
2SB624-BV5	TC001-01
2SB624-T1BV5	TC001-01
2SC4617R	TC001-02
2SD596-DV5	TC001-02

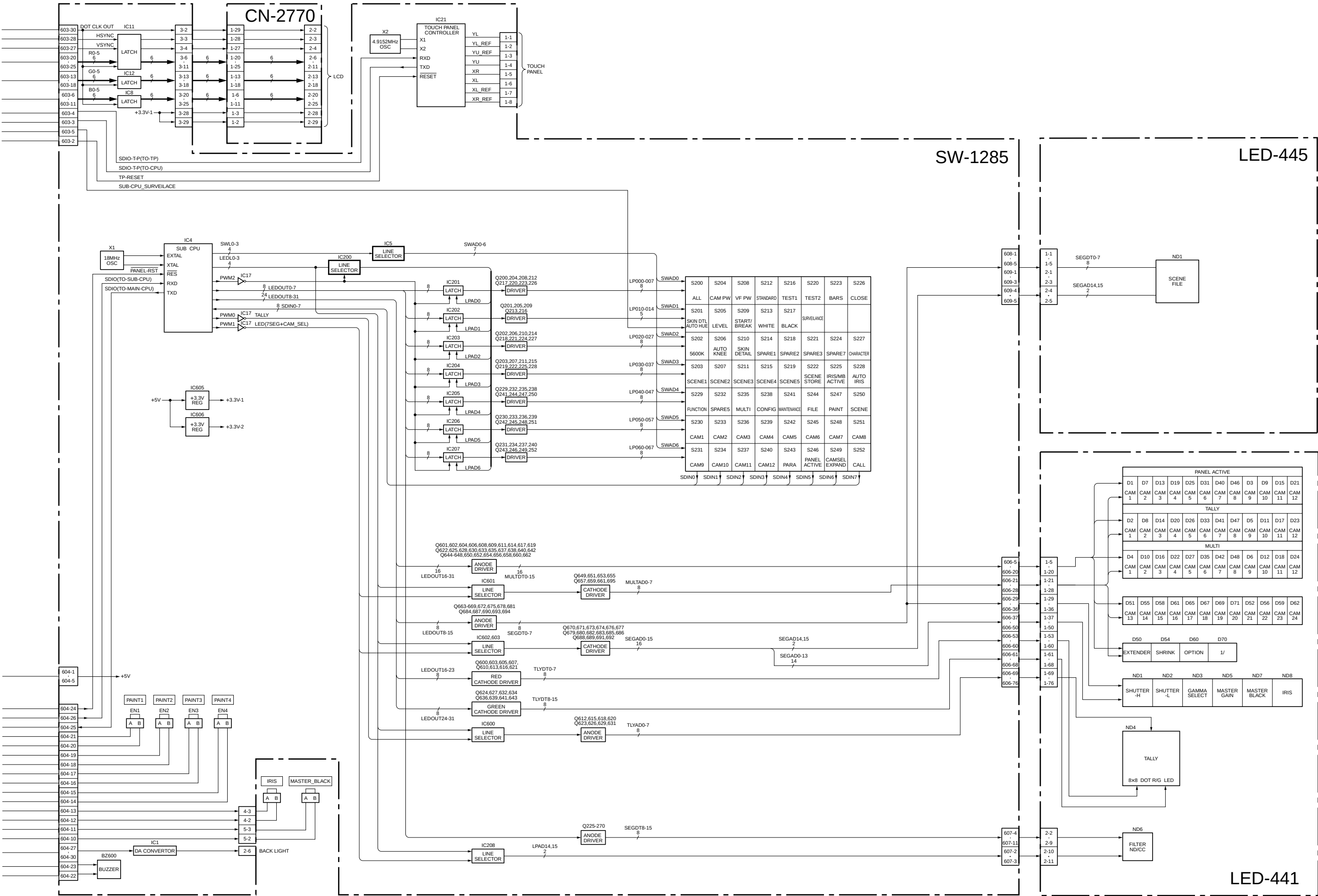
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DTA123JE-TL	TC001-04
DTC123JE	TC001-03
DTC123JE-TL	TC001-03
IC	Page or ID No.
74LCX04MTCX	TC74HC04P
74LCX74MTCX	TC74HC74P
74VHC04MTCX	TC74HC04P
74VHC08MTCX	TC74HC08P
74VHC573MTCX	TC74HC573F
AD8014ART-REEL7	AD8055ART-REEL7
BCM5221A4KPT	BCM5221A4KPT
CAT24WC02JI-TE13	X24C02S-30
CXD1095BR	CXD1095AR
CXD9093R	CXD9093R
CY2309ZC-1HT	CY2309ZC-1HT
EDS2516APTA-75	EDS2516APTA-75
EP1K50QC208-3	EP1K50QC208-3
EPC2LC20N-TP	EPC2LC20
FM18L08-70-STR	FM1808-70-STR
HD6435328RE48F	HD6435328RD63F
MB86189PFV-G-BND-ER	MB86189PFV-G-BND-ER
MT48LC8M16A2P-75-Y15WTR	HY57V281620AT-P

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IC	Page or ID No.
NC7SZ04P5X	TC7S04F
NC7SZ08P5	TC7S08F
NJM2904V(TE2)	RC4558
RN5VD23AA-TL	S-80928ANMP-DDR-T2
RTC4574JE-TP	RTC4574JE-TP
SN74AHCT04PWR	TC74HC04P
SN74CBT3253PWR-12	SN74CBT3253PW-E20
SN74LVC574APWR	TC74HC574P
SN74LVCC4245APWR	74LVX4245QSCX
SN75158PS	SN75158P
TC74VHC08FT(EL)	TC74HC08P
TC74VHC238FT(EL)	TC74HC238P
TC74VHCT04AFT(EL)	TC74HC04P
TC74VHCT138AFT(EL)	TC74HC138P
TC7SZ08FU(TE85R)	TC7S08F
TC7WH125FU(TE12R)	TC7W125FU
OTHERS	Page or ID No.
HCPL-0630-500	MA009-01

Section 4
Overall Block Diagrams
(Including Frame Wiring)





Section 5

Schematic Diagrams

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CN-2769	5-3
CN-2770	5-3
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LED-441	5-13
LED-445	5-19
SW-1285	5-14

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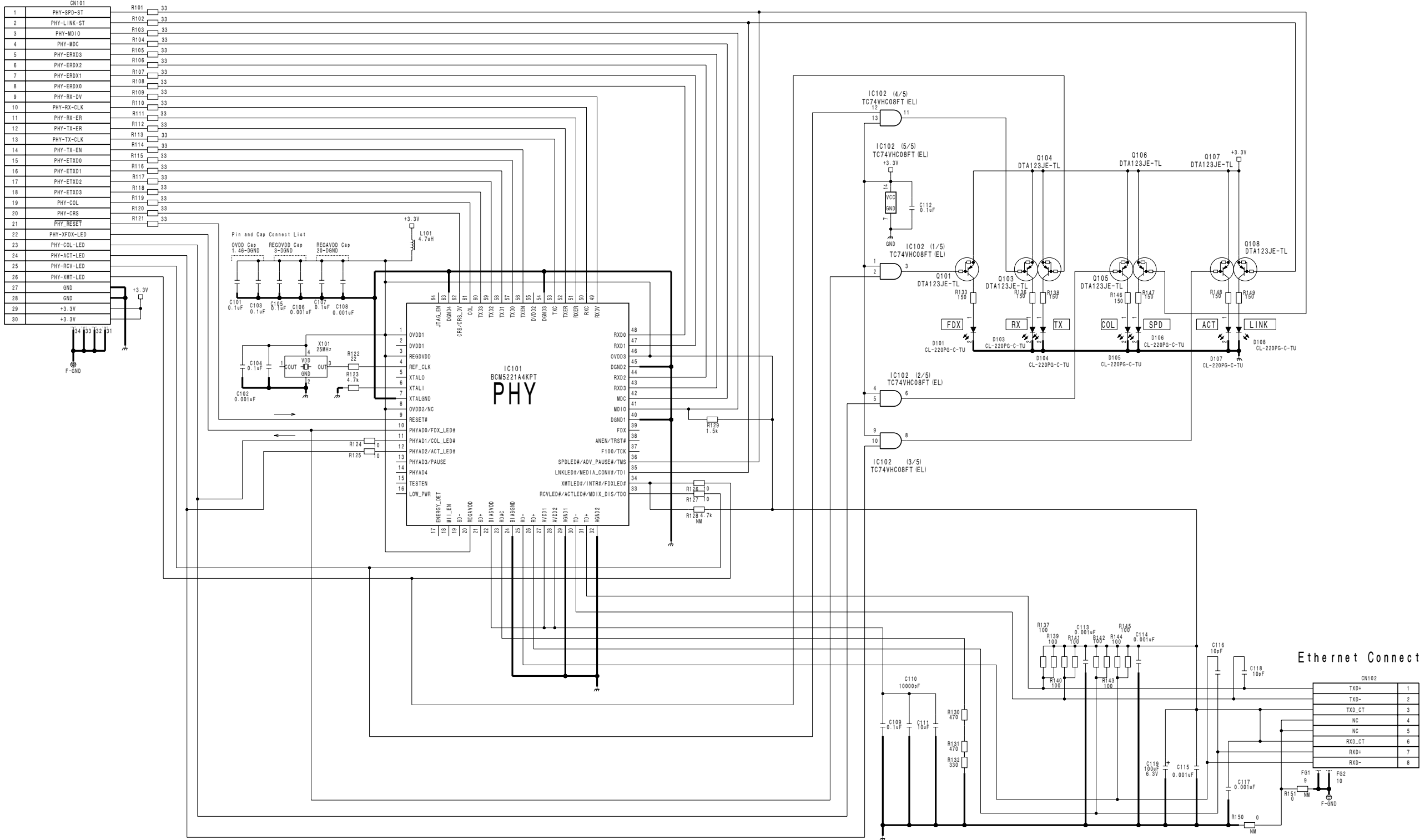
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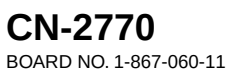
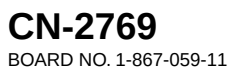
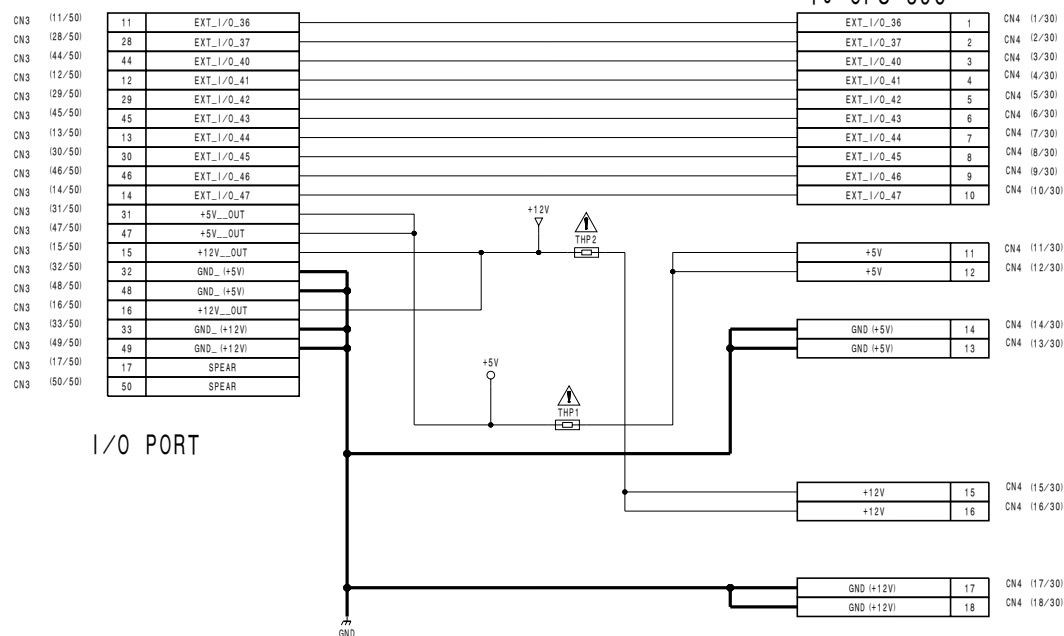
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To CPU-396





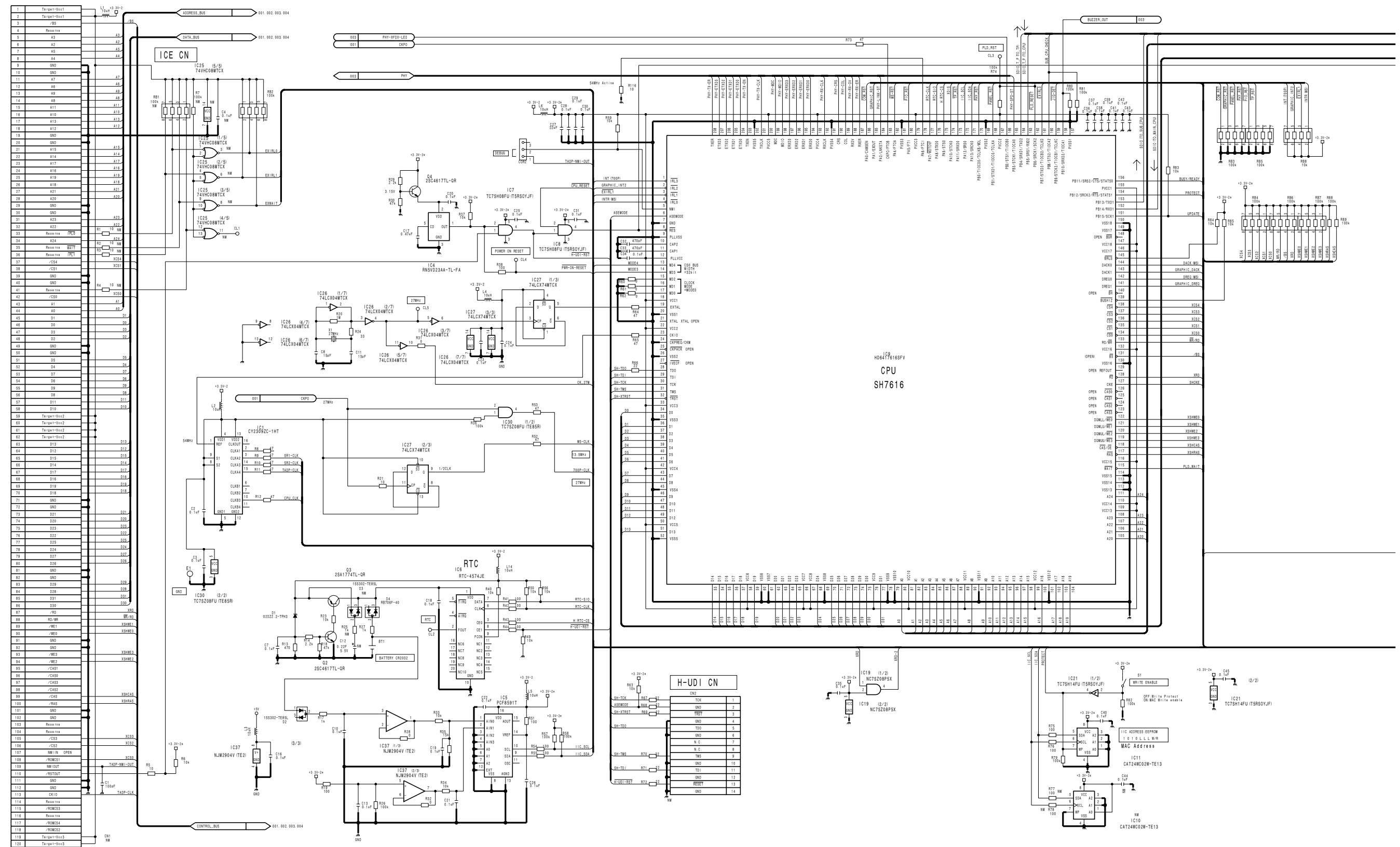
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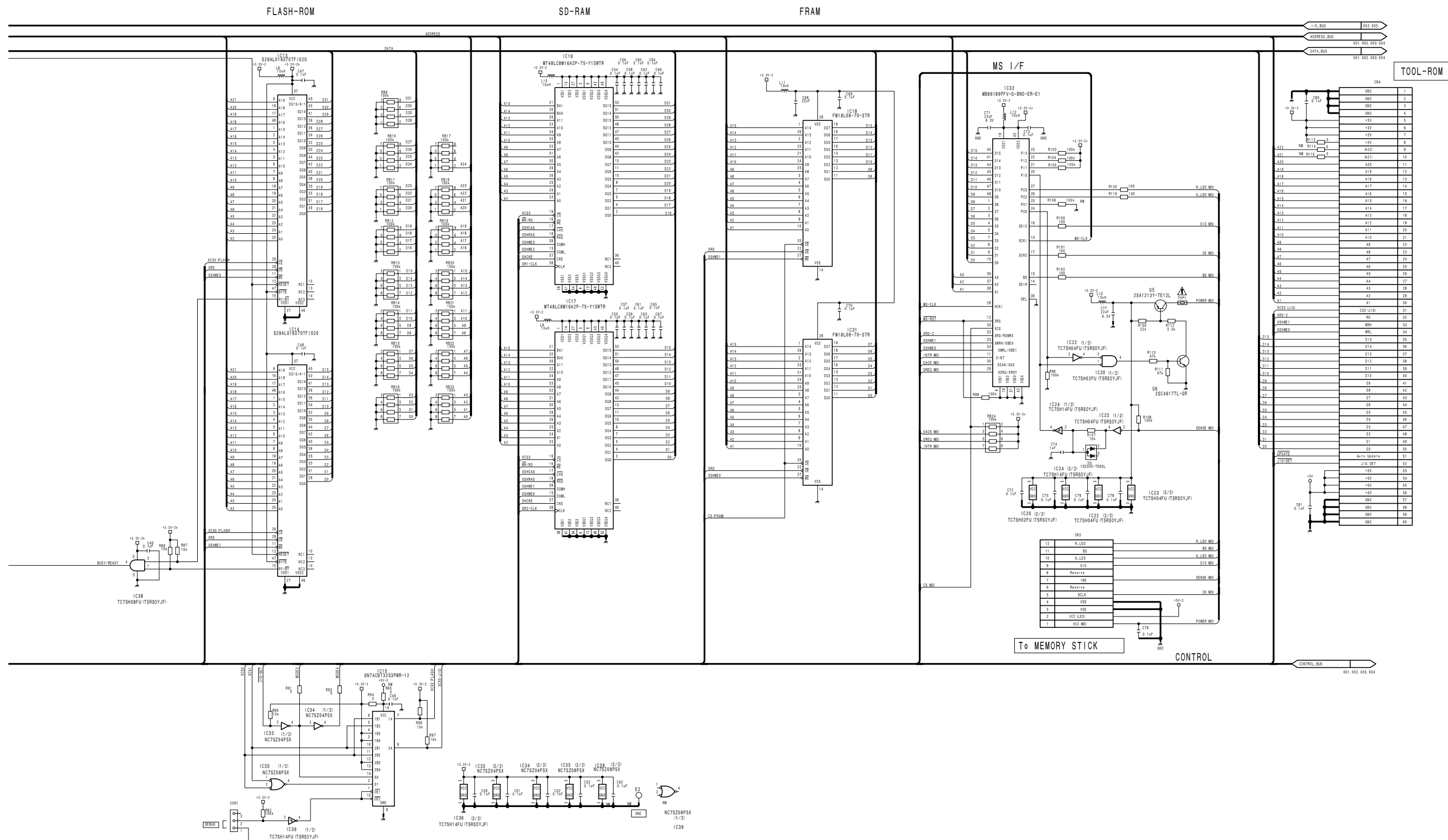
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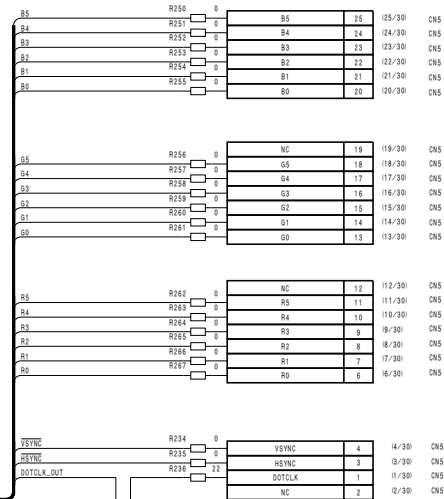
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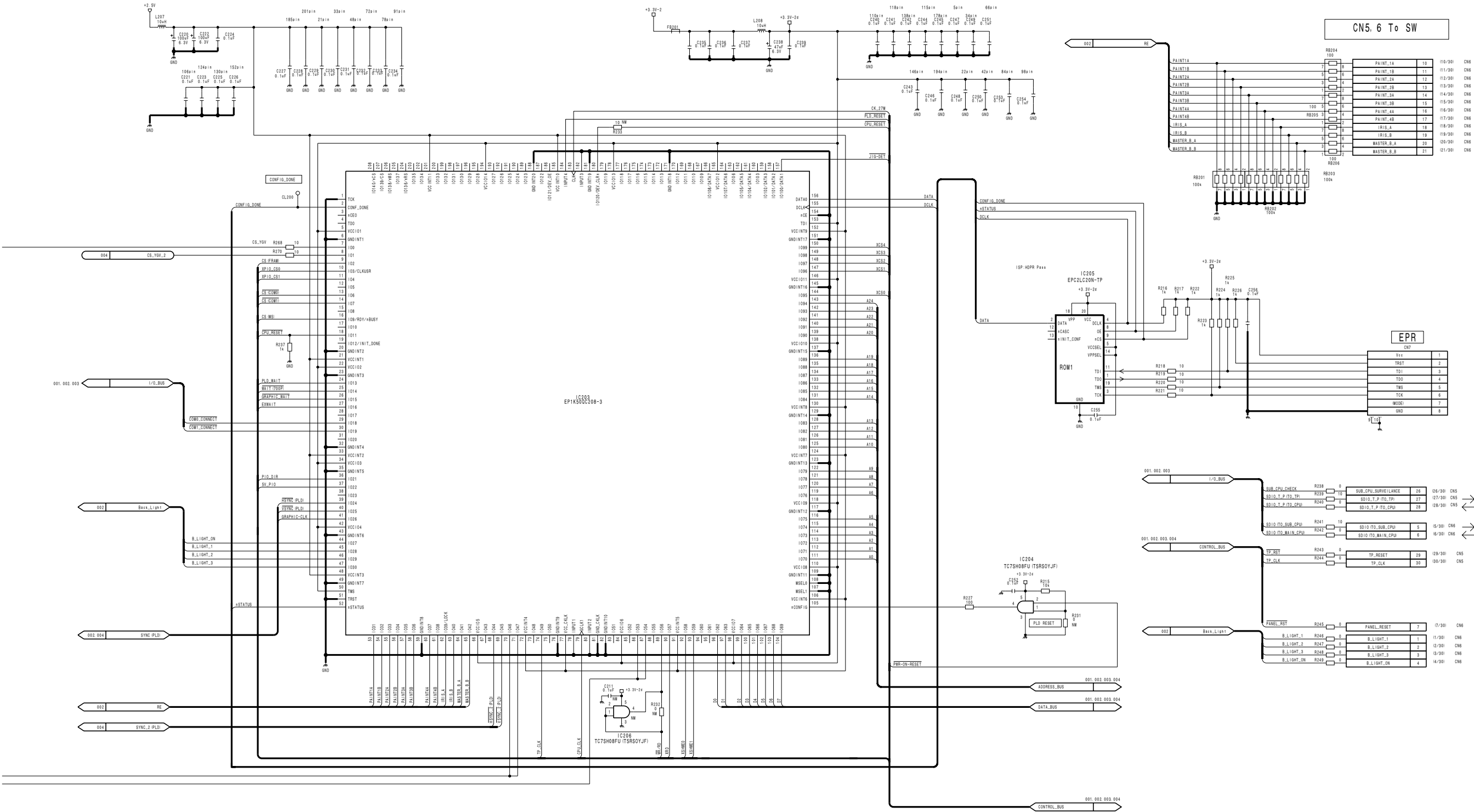




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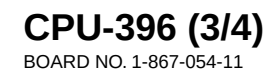


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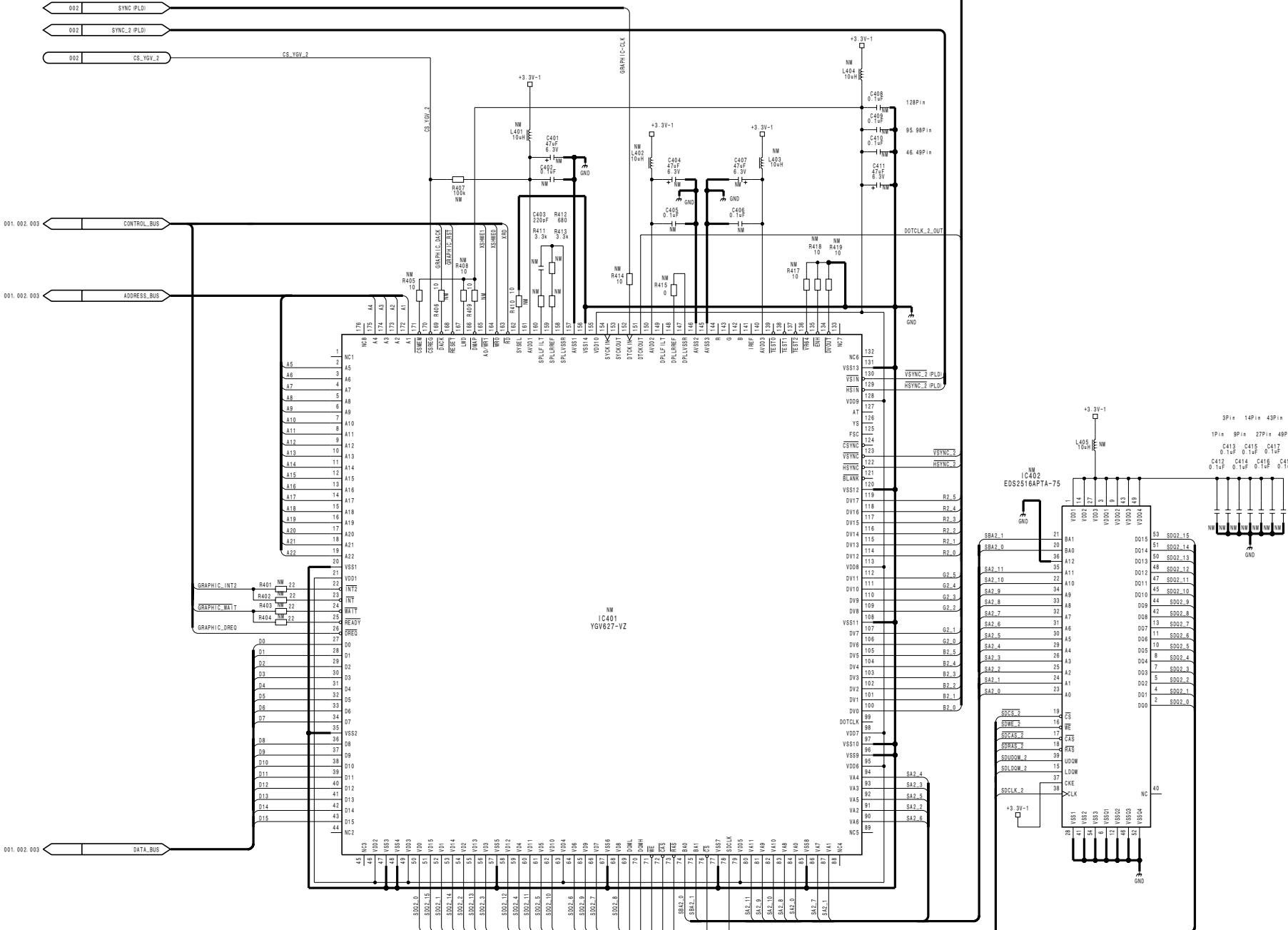


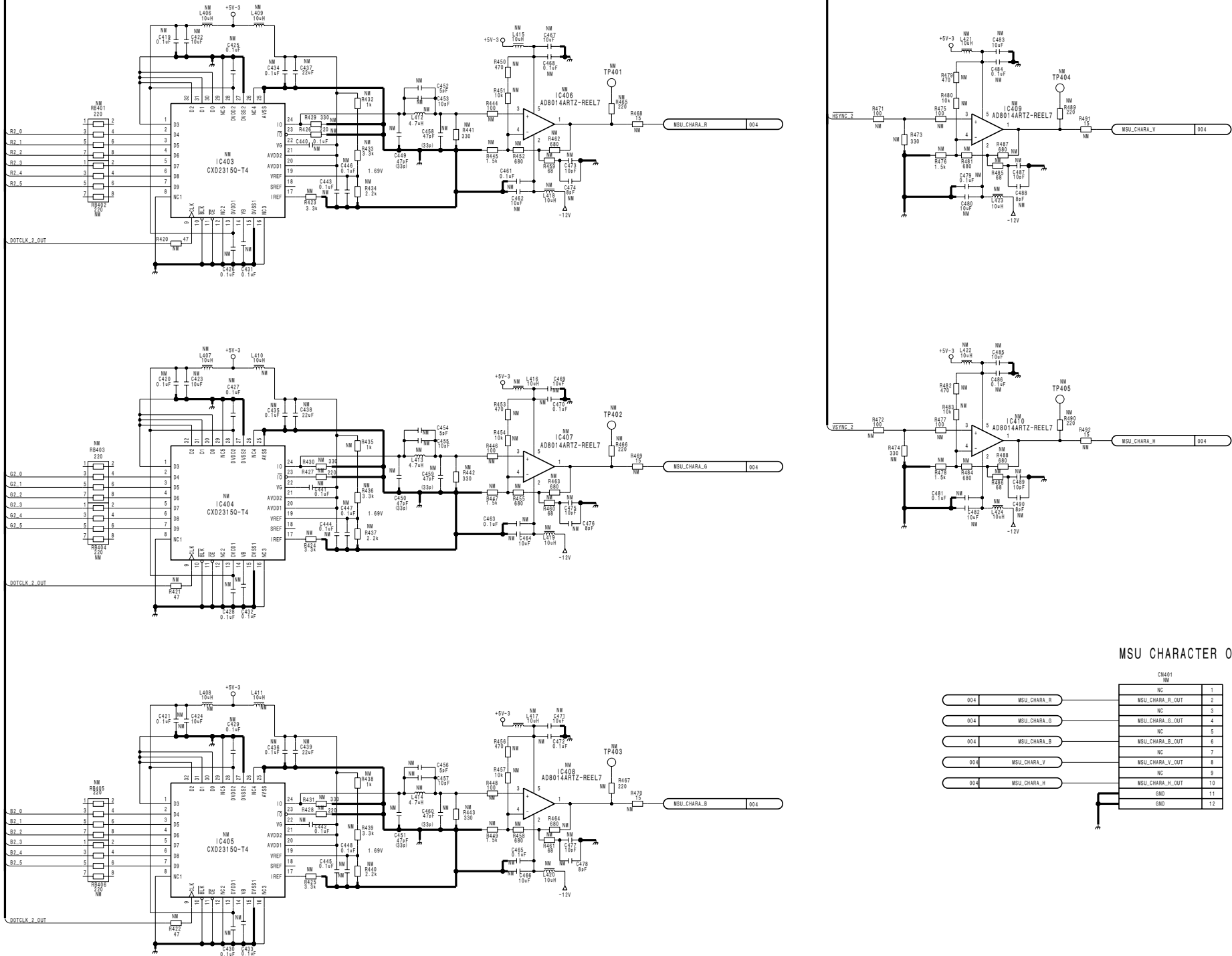
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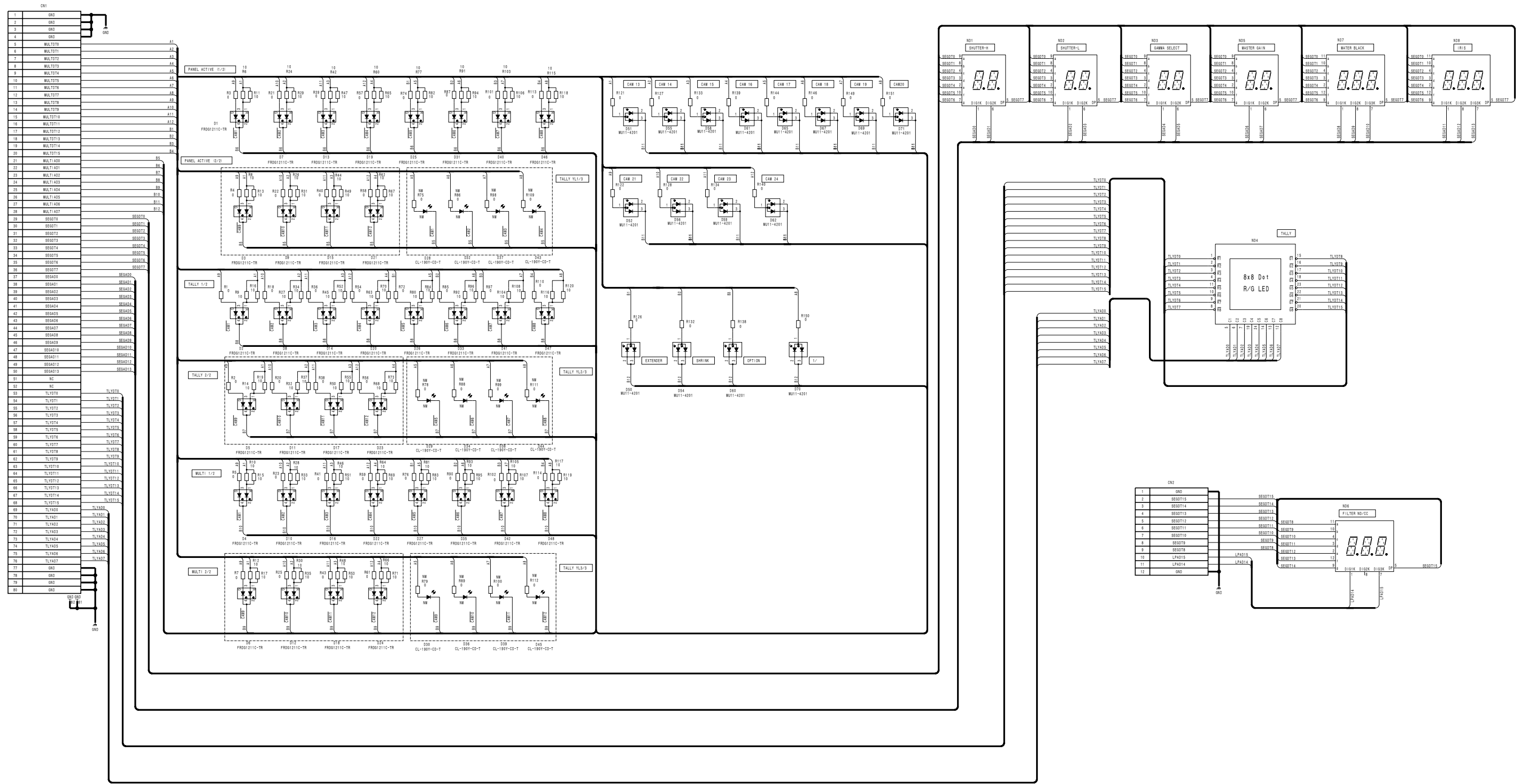


5





TO SW-1285 BOARD



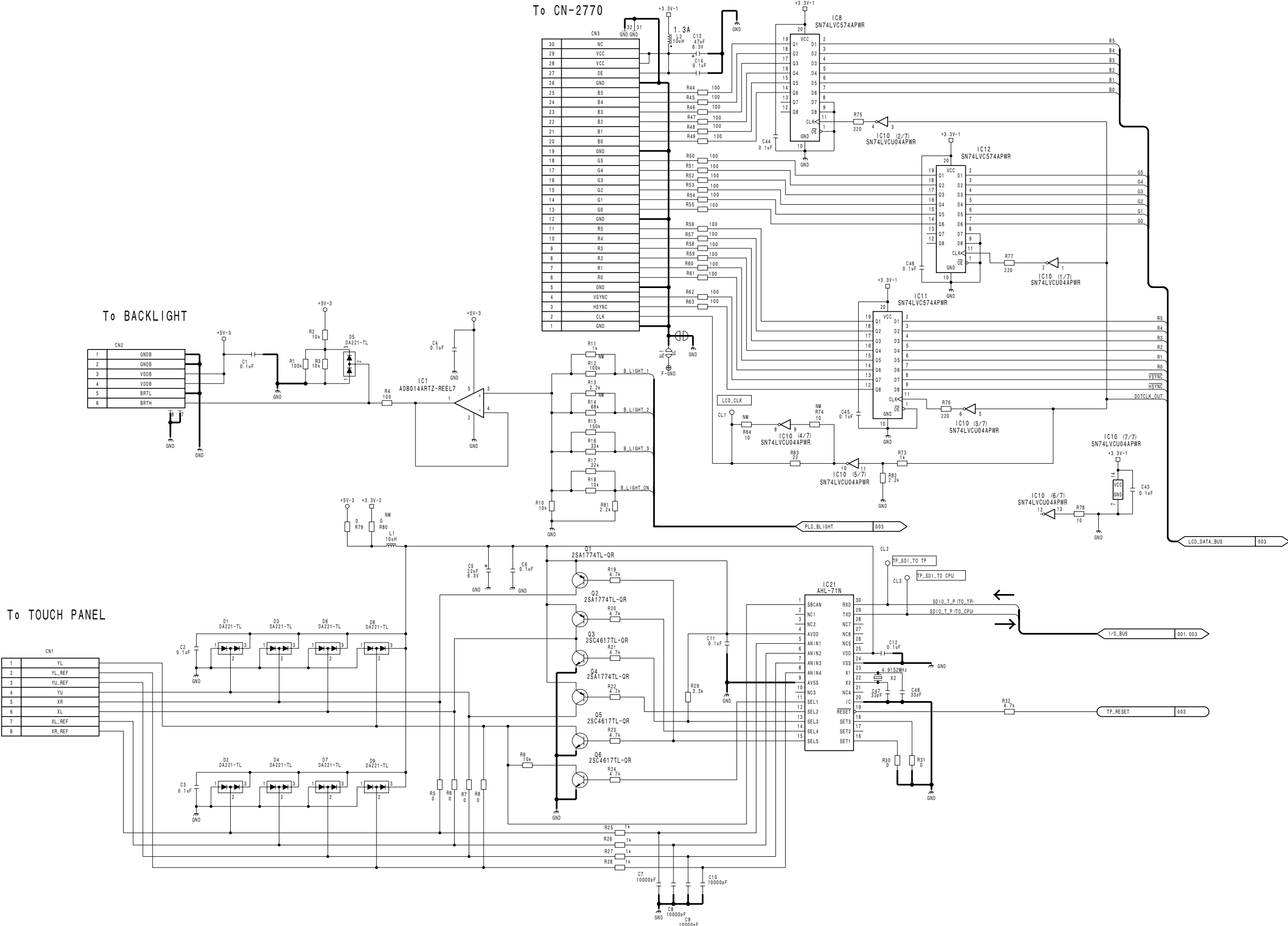
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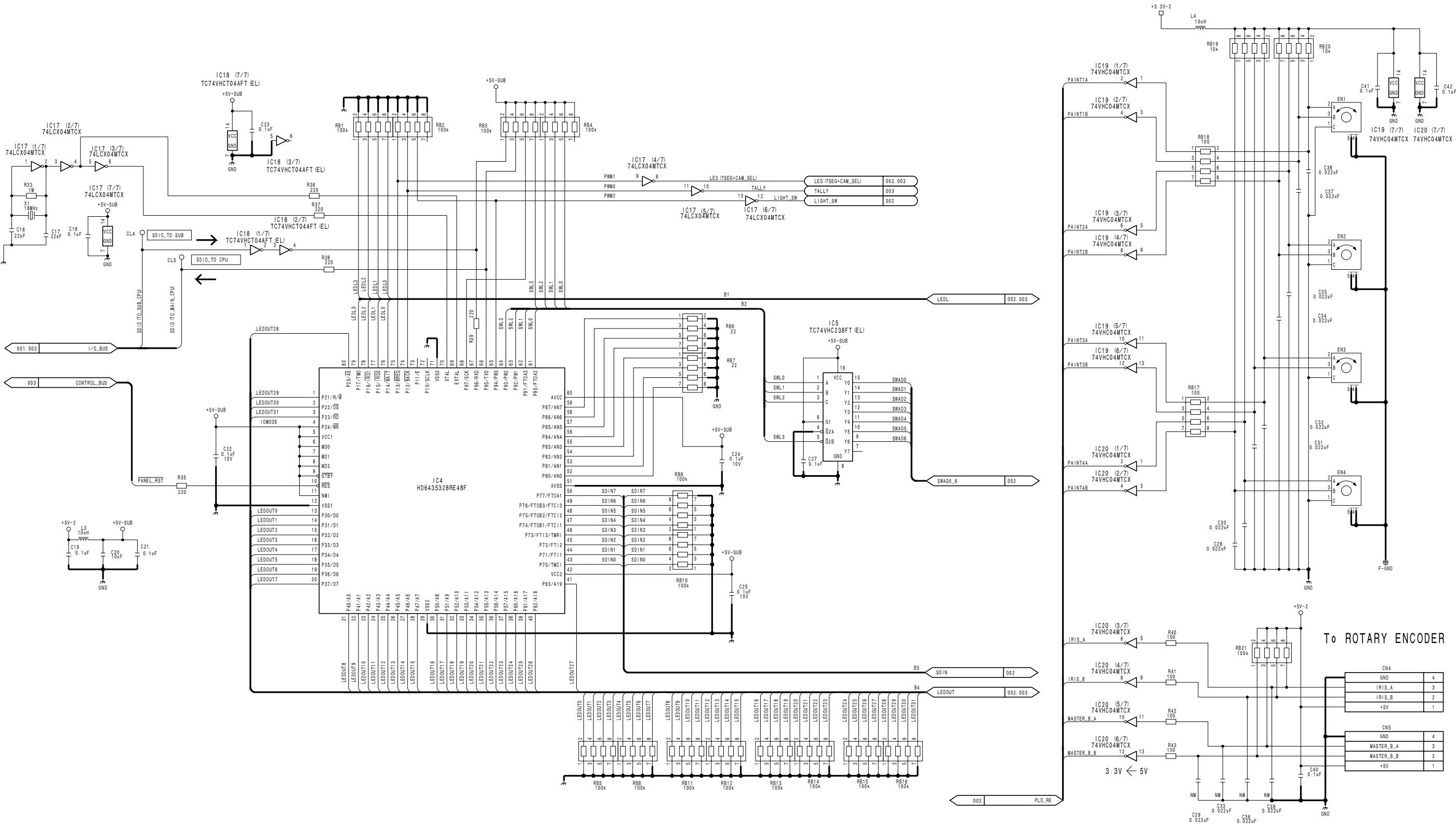
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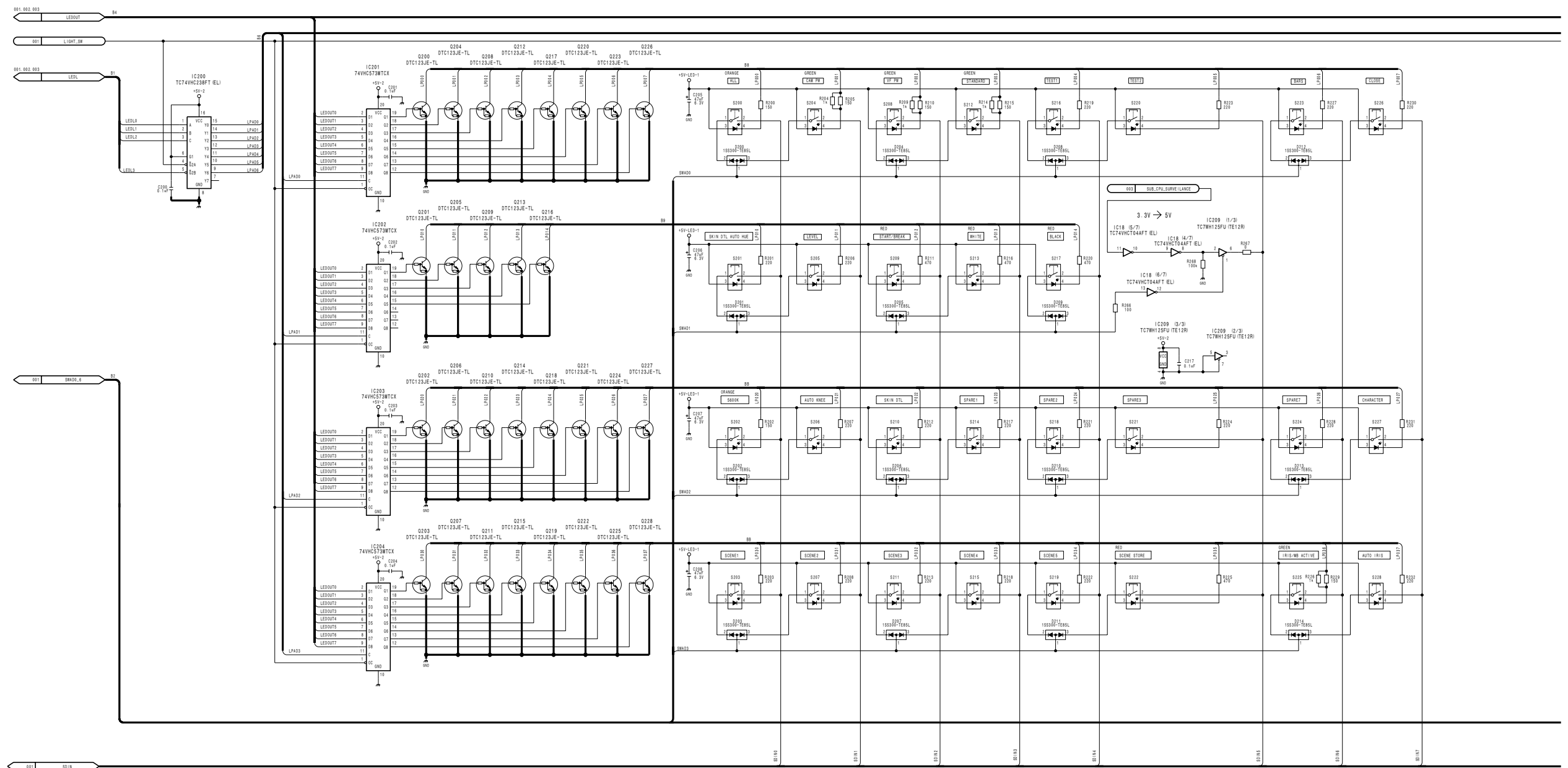
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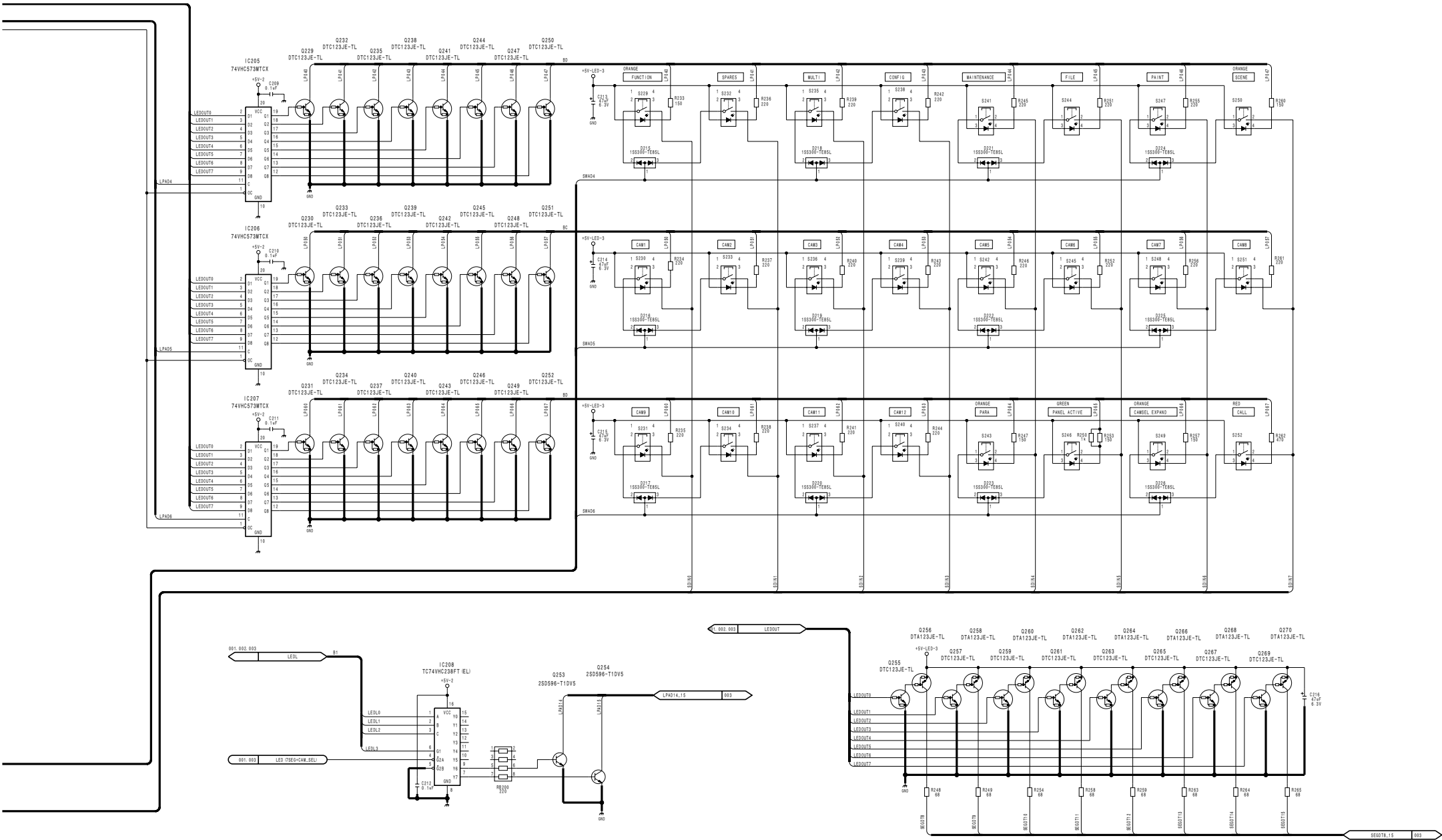




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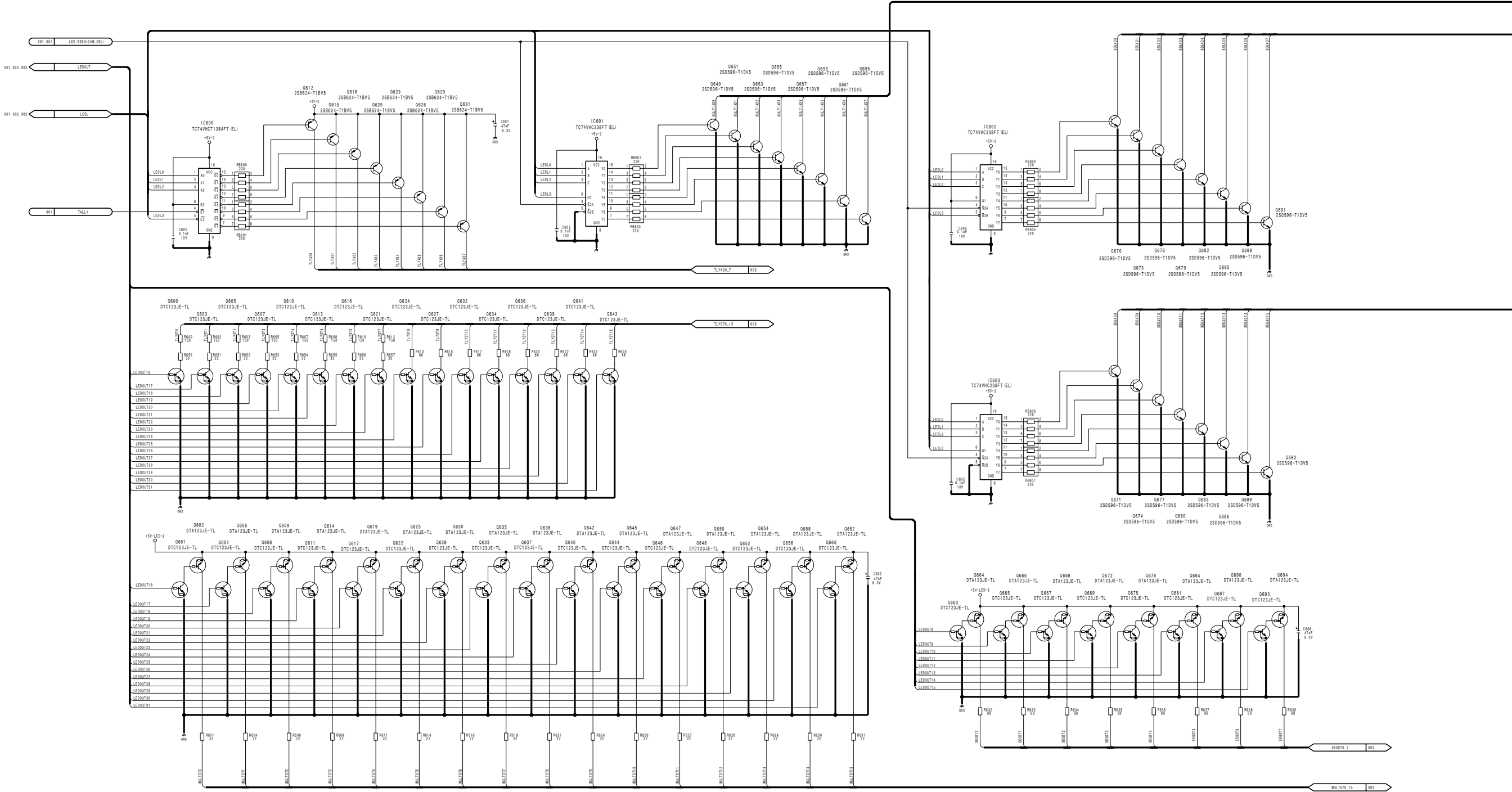
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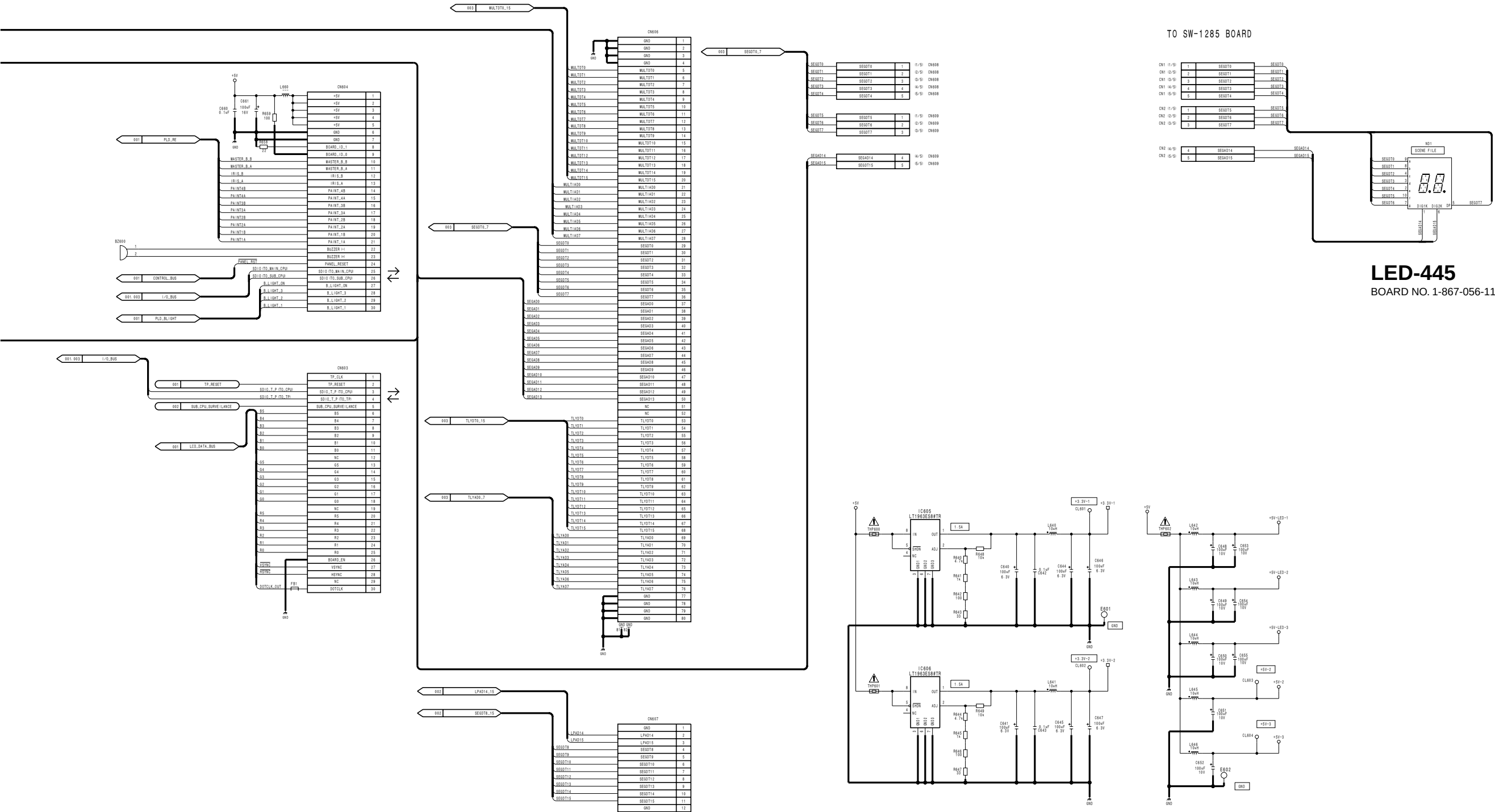
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LED-445
BOARD NO. 1-867-056-11

SW-1285 (3/3)
BOARD NO. 1-867-055-11

Section 6
Board Layouts

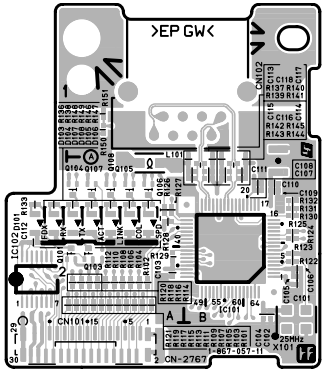
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SW-1285	6-7

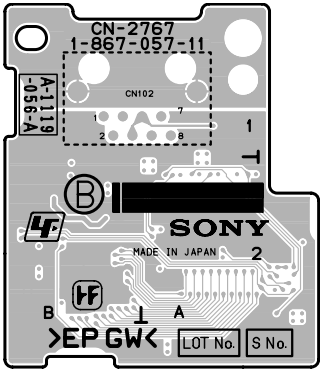
CN-2767 (1-867-057-11)

*:B SIDE

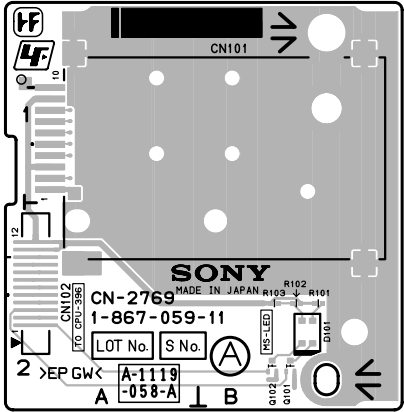
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C102	B2			R124	B2
C103	A2	Q101	A2	R125	B2
C104	B2	Q103	A2	R126	A2
C105	B2	Q104	A2	R127	A2
C106	B2	Q105	A2	R128	A2
C107	B2	Q106	A2	R129	A2
C108	B2	Q107	A2	R130	B2
C109	B2	Q108	A2	R131	B2
C110	B2			R132	B2
C111	B2	R101	A2	R133	A2
C112	A2	R102	A2	R136	A2
C113	B2	R103	A2	R137	B2
C114	B2	R104	A2	R138	A2
C115	B2	R105	A2	R139	B2
C116	B2	R106	A2	R140	B2
C117	B2	R107	A2	R141	B2
C118	B2	R108	A2	R142	B2
		R109	A2	R143	B2
CN101	A2	R110	A2	R144	B2
CN102	B1	R111	A2	R145	B2
		R112	A2	R146	A2
D101	A2	R113	A2	R147	A2
D103	A2	R114	A2	R148	A2
D104	A2	R115	A2	R149	A2
D105	A2	R116	A2	R150	A1
D106	A2	R117	A2	R151	A1
D107	A2	R118	A2		
D108	A2	R119	A2	X101	B2
		R120	A2		
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IC102	A2	R122	B2		



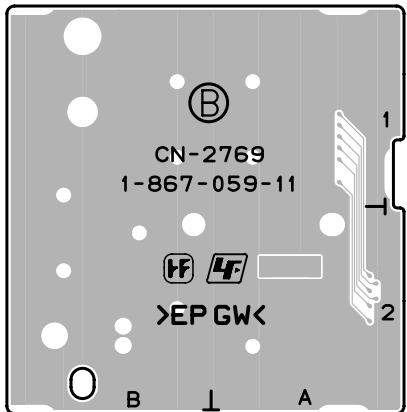
CN-2767 -A SIDE-
SUFFIX: -11



CN-2767 -B SIDE-
SUFFIX: -11



CN-2769 -A SIDE-
SUFFIX: -11



CN-2769 -B SIDE-
SUFFIX: -11

CN-2769 (1-867-059-11)

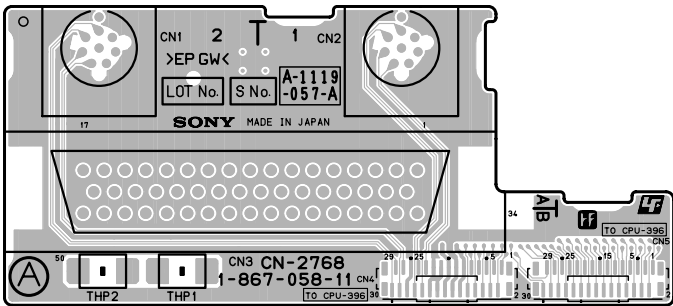
*:B SIDE

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CN102	A2
D101	B2
Q101	B2
Q102	B2
R101	B2
R102	B2
R103	B2

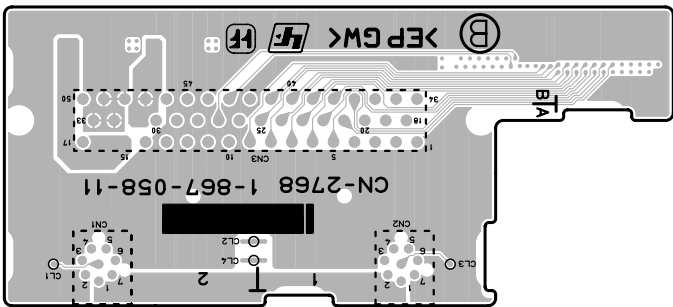
CN-2768 (1-867-058-11)

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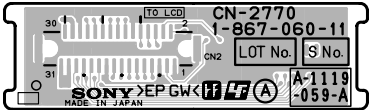
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CL3	*A1
CL4	*A2
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CN2	A1
CN3	A2
CN4	B1
CN5	B1
THP1	B2
THP2	B2



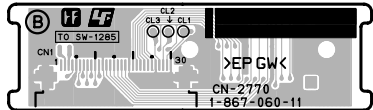
CN-2768 -A SIDE-
SUFFIX: -11



CN-2768 -B SIDE-
SUFFIX: -11



CN-2770 -A SIDE-
SUFFIX: -11



CN-2770 -B SIDE-
SUFFIX: -11

CN-2770 (1-867-060-11)

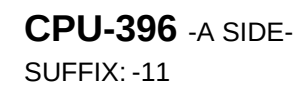
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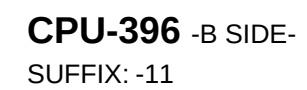
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CL2	*A1
CL3	*A1
CN1	*A1
CN2	A1

CPU-396 (1-867-054-11)

*.B SIDE

BT1	F3	C214	*A3	C404	B4	CL4	E4	IC307	*E1	R6	E4	R105	*F2	R307	*B3	R425	A4	RB23	D3
		C215	*A3	C405	B4	CL5	C3	IC308	*D1	R7	*F3	R106	*E1	R308	*B3	R426	B4	RB24	*E1
C1	*F2	C216	*A3	C406	B4	CL200	A2	IC309	*E1	R8	D3	R107	*F1	R309	*B3	R427	B4	RB201	*A2
C2	*D3	C217	*A3	C407	B4	CL301	F2	IC310	*E1	R9	D3	R108	*F1	R310	*B3	R428	A4	RB202	*A2
C3	C3	C218	*A3	C408	*B4	CL302	F2	IC311	*E1	R10	D3	R109	*F1	R311	*B2	R429	B4	RB203	*A2
C4	*F3	C219	*A3	C409	B3	CL303	F2	IC312	*E1	R11	D3	R110	*F1	R312	*B2	R430	B4	RB204	A2
C7	E3	C220	B2	C410	*B3	CL304	F2	IC313	*E1	R12	D3	R111	*F1	R313	*B2	R431	A4	RB205	A2
C8	C3	C221	B3	C411	C4	CL305	D2	IC314	*D1	R13	E3	R112	*F1	R314	*B3	R432	B4	RB206	A2
C10	E3	C222	B3	C412	*B3	CL306	D2	IC315	*D1	R14	E3	R113	*C4	R315	*B3	R433	B4	RB301	*E1
C11	C3	C223	B3	C413	*B3	CL307	C2	IC316	*D2	R17	E3	R114	*C4	R316	*D1	R434	B4	RB302	*E1
C12	E4	C224	*B2	C414	*B3	CL308	C3	IC317	*D1	R18	E3	R115	*C4	R317	*D2	R435	B4	RB303	*E1
C13	E3	C225	B2	C415	*B3	CL309	C3	IC318	*D1	R19	E3	R116	D2	R318	*D2	R436	B4	RB304	*E1
C16	E3	C226	B2	C416	*B3			IC401	B3	R20	C3	R119	*E1	R319	*B3	R437	B4	RB305	*E1
C17	E4	C227	*A2	C417	*B3	CN1	F3	IC402	*B3	R21	D3	R120	*E1	R320	*B3	R438	A4	RB306	*E1
C18	E3	C228	*A2	C418	*B3	CN2	F3	IC403	B4	R23	E3	R200	A4	R321	*B3	R439	A4	RB307	D2
C19	E3	C229	A2	C419	B4	CN3	E2	IC404	B4	R24	C3	R201	B3	R322	*B3	R440	A4	RB308	D2
C20	E4	C230	A3	C420	B4	CN4	C4	IC405	A4	R25	E4	R202	B3	R323	D2	R441	*B4	RB309	*E2
C21	E3	C231	A3	C421	B4	CN5	A4	IC406	*B4	R26	E3	R203	B3	R324	D2	R442	*B4	RB310	*E2
C22	E3	C232	*A3	C422	B4	CN6	A2	IC407	*B4	R27	E3	R204	B3	R325	*B3	R443	*B4	RB311	*D2
C23	C3	C233	*A3	C423	B4	CN7	E4	IC408	*A4	R28	E3	R205	*A4	R326	D2	R444	*B4	RB312	*D2
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C26	E3	C236	*B3	C426	B4	CN10	B2			R31	C3	R208	*A4	R329	*D2	R447	*B4	RB315	*E2
C27	*D3	C237	*B3	C427	B4	CN11	E2	L1	F2	R32	E3	R209	*A4	R330	D2	R448	*A4	RB316	*E2
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C33	D3	C243	B2	C433	A4	COR1	C3	L8	*D4	R38	E4	R215	*A3	R336	*E1	R454	*B4	RB322	E2
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C35	E3	C245	*A2	C435	*B4			L10	*D4	R41	E3	R217	*E4	R338	*E1	R456	*A4	RB324	E2
C36	D3	C246	*A2	C436	*A4	D1	E3	L11	*C3	R42	E3	R218	*E4	R339	*E1	R457	*A4	RB325	E2
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C48	*C4	C301	*D1	C448	A4			L302	C2	R58	E3	R230	*A4	R351	F2	R469	*B4	S301	D2
C49	D3	C302	C2	C449	B4	IC1	D3	L303	B2	R59	D3	R231	*A3	R352	*E1	R470	*A4		
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C51	D3	C304	B2	C451	B4	IC5	E3	L305	D2	R61	D3	R233	*A2	R354	*E1	R472	*A4	THP301	B2
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C53	C3	C306	C2	C453	*B4	IC7	E4	L307	D2	R63	*D3	R235	A3	R356	*E1	R474	*A4	THP303	C2
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C55	*C4	C308	C2	C455	*B4	IC9	D3	L309	C3	R65	D3	R237	A2	R358	*E1	R476	*A4	THP305	C2
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C57	*D4	C310	*B2	C457	*B4	IC11	E2	L402	*B4	R67	*F3	R239	A4	R360	F2	R478	*A4	THP307	B2
C58	*D4	C311	C3	C458	*B4	IC13	D4	L403	*B4	R68	*F3	R240	A4	R361	F2	R479	*A4	THP308	B3
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C61	*C4	C314	C2	C461	*B4	IC16	D4	L406	*B4	R71	*E3	R243	A4	R364	F2	R482	*A4	TP402	B4
C62	*D4	C315	C2	C462	*B4	IC17	C4	L407	*B4	R72	*E3	R244	A4	R365	F2	R483	*A4	TP403	B4
C63	*C4	C316	C2	C463	*B4	IC18	C4	L408	*B4	R73	D2	R245	A2	R366	F2	R484	*A4	TP404	A4
C64	D4	C317	D2	C464	*B4	IC19	E3	L409	C4	R74	D2	R246	A2	R367	F2	R485	*A4	TP405	A4
C65	D4	C318	*D2	C465	*A4	IC20	*F1	L410	B4	R75	E3	R247	A2	R368	F2	R486	*A4		
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C69	C3	C322	D2	C469	*B4	IC24	*F1	L414	*B4	R79	E3	R251	A4	R372	F2	R490	A4		
C70	*C4	C323	D2	C470	*B4	IC25	*F3	L415	*B4	R80	D2	R252	A4	R373	F2	R491	A4		
C71	*F1	C324	*D2	C471	*A4	IC26	C3	L416	*B4	R81	D2	R253	A4	R401	C3	R492	A4		
C72	*F1	C325	C3	C472	*A4	IC27	D3	L417	*A4	R82	E2	R254	A4	R402	C3				
C73	*F2	C326	C3	C473	*B4	IC30	D3	L418	*B4	R83	E3	R255	A4	R403	C3	RB1	*F3		
C74	*F1	C327	D2	C474	*B4	IC31	C4	L419	*B4	R84	E3	R256	A4	R404	C3	RB2	*F3		
C75	*F1	C328	D2	C475	*B4	IC32	*F1	L420	*B4	R85	E3	R257	A4	R405	*B4	RB3	*D3		
C76	*F1	C329	D2	C476	*B4	IC33	D3	L421	A4	R86	E4	R258	A4	R406	*B4	RB4	E3		
C77	*F1	C330	D2	C477	*A4	IC34	D3	L422	A4	R87	E4	R259	A4	R407	B4	RB5	*D3		
C78	*F1	C331	*D1	C478	*A4	IC35	C3	L423	*A4	R88	*D3	R260	A3	R408	*B4	RB6	E3		
C79	E2	C332	*E1	C479	*A4	IC36	C3	L424	*A4	R89	*D3	R261	A3	R409	*B4	RB7	E3		
C80	*C4	C333	*D1	C480	*A4	IC37	E3			R90	D3	R262	A3	R410	*B4	RB8	D3		
C81	*C4	C334	*D1	C481	*A4	IC38	E4	PH301	D2	R91	D3	R263	A3	R411	*B4	RB9	D3		
C82	C3	C335	*E1	C482	*A4	IC39	C3	PH302	D2	R92	C3	R264	A3	R412	*B4	RB10	D3		
C201	A4	C336	*E1	C483	A4	IC201	A3			R93	D3	R265	A3	R413	*B4	RB11	D3		
C202	A4	C337	*E1	C484	*A4	IC202	*B3	Q2	E3	R94	C3	R266	A3	R414	*B4	RB12	D3		
C203	A4	C338	*E1	C485	*A4	IC203	A2	Q3	E3	R95	C3	R267	A3	R415	B4	RB13	D3		
C204	A4	C339	*D1	C486	*A4	IC204	*B3	Q4	E4	R96	C3	R268	A2	R416	*B3	RB14	D3		
C205	A4	C340	*E1	C487	*A4	IC205	E4	Q5	*F1	R97	C4	R269	A4	R417	*B4	RB15	D3		
C206	A4	C341	*E1	C488	*A4	IC206	*A3	Q6	*F1	R98	*F1								

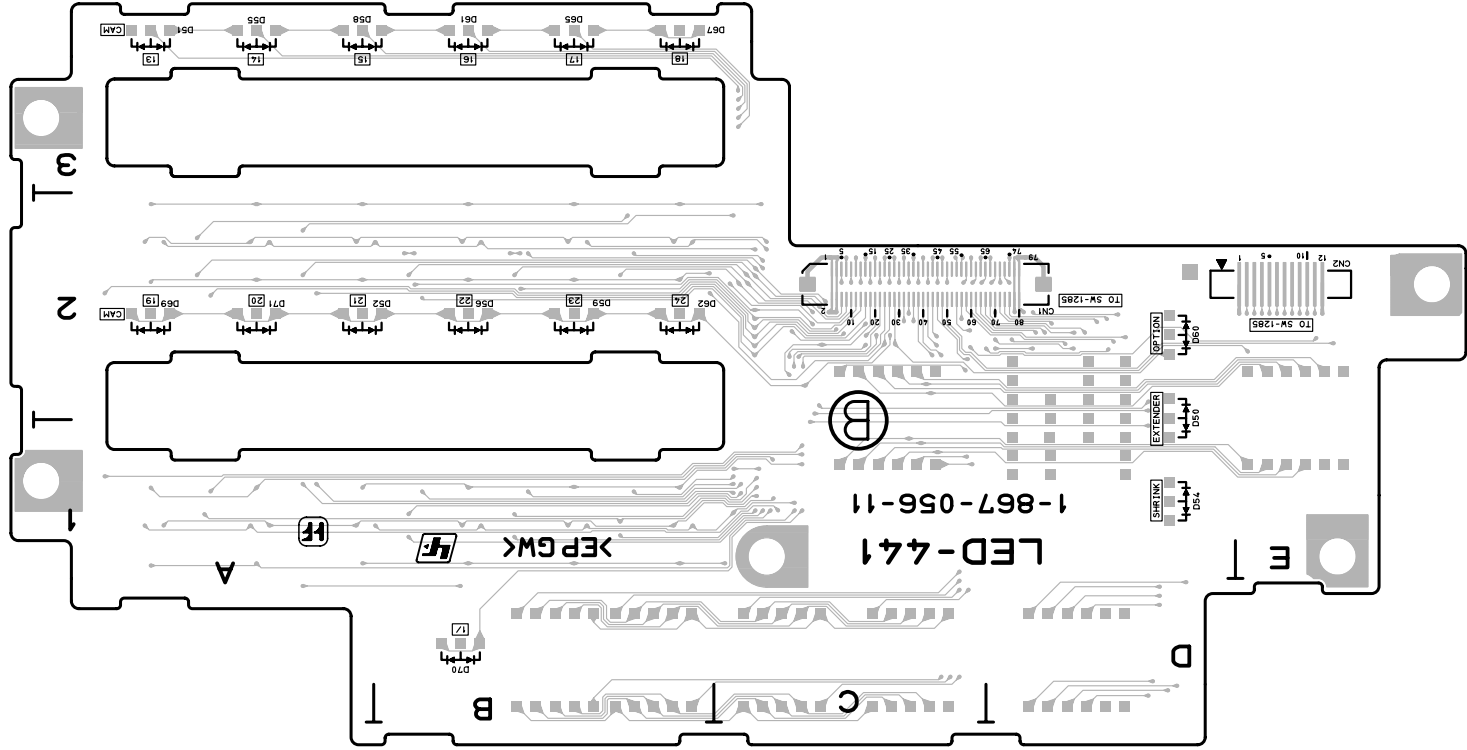
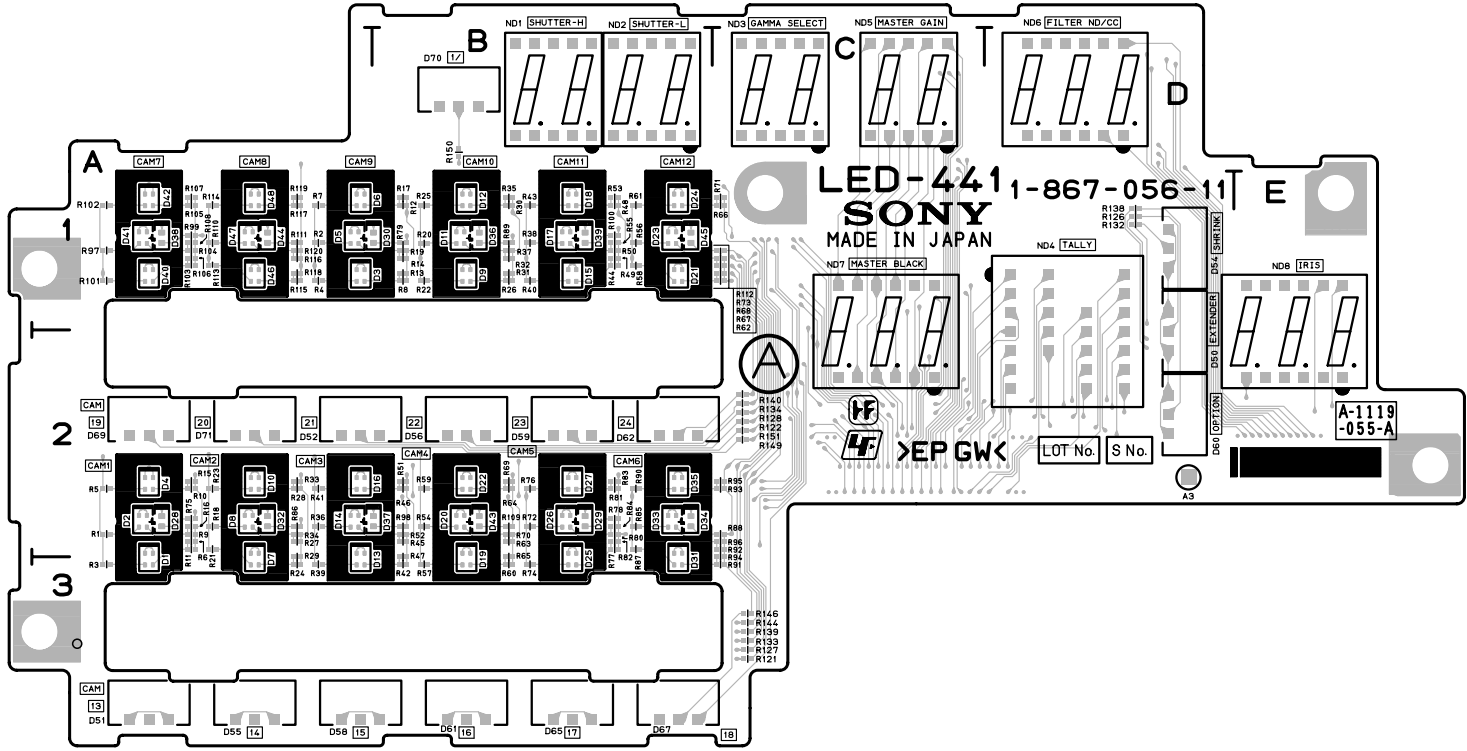




LED-441 (1-867-056-11)

*:B SIDE

CN1	*C2	R15	A2	R106	A1
CN2	*E2	R16	A2	R107	A1
		R17	B1	R108	A1
D1	A3	R18	A2	R109	B2
D2	A2	R19	B1	R110	A1
D3	A1	R20	B1	R111	A1
D4	A2	R21	A2	R112	C1
D5	A1	R22	B1	R113	A1
D6	A1	R23	A2	R114	A1
D7	A3	R24	A3	R115	A1
D8	A2	R25	B1	R116	A1
D9	B1	R26	B1	R117	A1
D10	A2	R27	A2	R118	A1
D11	B1	R28	A2	R119	A1
D12	B1	R29	A3	R120	A1
D13	A3	R30	B1	R121	C3
D14	A2	R31	B1	R122	C2
D15	B1	R32	B1	R126	D1
D16	A2	R33	A2	R127	C3
D17	B1	R34	A2	R128	C2
D18	B1	R35	B1	R132	D1
D19	B3	R36	A2	R133	C3
D20	B2	R37	B1	R134	C2
D21	B1	R38	B1	R138	D1
D22	B2	R39	A3	R139	C3
D23	B1	R40	B1	R140	C2
D24	B1	R41	A2	R144	C3
D25	B3	R42	B3	R146	C3
D26	B2	R43	B1	R149	C2
D27	B2	R44	B1	R150	B1
D28	A2	R45	B2	R151	C2
D29	B2	R46	B2		
D30	B1	R47	B3		
D31	B3	R48	B1		
D32	A2	R49	B1		
D33	B2	R50	B1		
D34	B2	R51	B2		
D35	B2	R52	B2		
D36	B1	R53	B1		
D37	B2	R54	B2		
D38	A1	R55	B1		
D39	B1	R56	B1		
D40	A1	R57	B3		
D41	A1	R58	B1		
D42	A1	R59	B2		
D43	B2	R60	B3		
D44	A1	R61	B1		
D45	B1	R62	C1		
D46	A1	R63	B2		
D47	A1	R64	B2		
D48	A1	R65	B3		
D50	D2	R66	C1		
D51	A3	R67	C1		
D52	A2	R68	C1		
D54	D1	R69	B2		
D55	A3	R70	B2		
D56	B2	R71	C1		
D58	A3	R72	B2		
D59	B2	R73	C1		
D60	D2	R74	B3		
D61	B3	R75	A2		
D62	B2	R76	B2		
D65	B3	R77	B2		
D67	B3	R78	B2		
D69	A2	R79	B1		
D70	B1	R80	B2		
D71	A2	R81	B2		
		R82	B2		
ND1	B1	R83	B2		
ND2	B1	R84	B2		
ND3	C1	R85	B2		
ND4	D2	R86	A2		
ND5	C1	R87	B2		
ND6	D1	R88	C2		
ND7	C2	R89	B1		
ND8	E2	R90	B2		
		R91	C3		
R1	A2	R92	C2		
R2	A1	R93	C2		
R3	A3	R94	C3		
R4	A1	R95	C2		
R5	A2	R96	C2		
R6	A2	R97	A1		
R7	A1	R98	B2		
R8	B1	R99	A1		
R9	A2	R100	B1		
R10	A2	R101	A1		
R11	A2	R102	A1		
R12	B1	R103	A1		
R13	B1	R104	A1		
R14	B1	R105	A1		



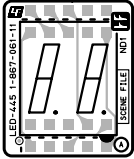
LED-441 -A SIDE-
SUFFIX: -11

LED-441 -B SIDE-
SUFFIX: -11

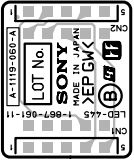
LED-445 (1-867-061-11)

*:B SIDE

CN1	*A1
CN2	*A1
ND1	A1



LED-445 -A SIDE-
SUFFIX: -11

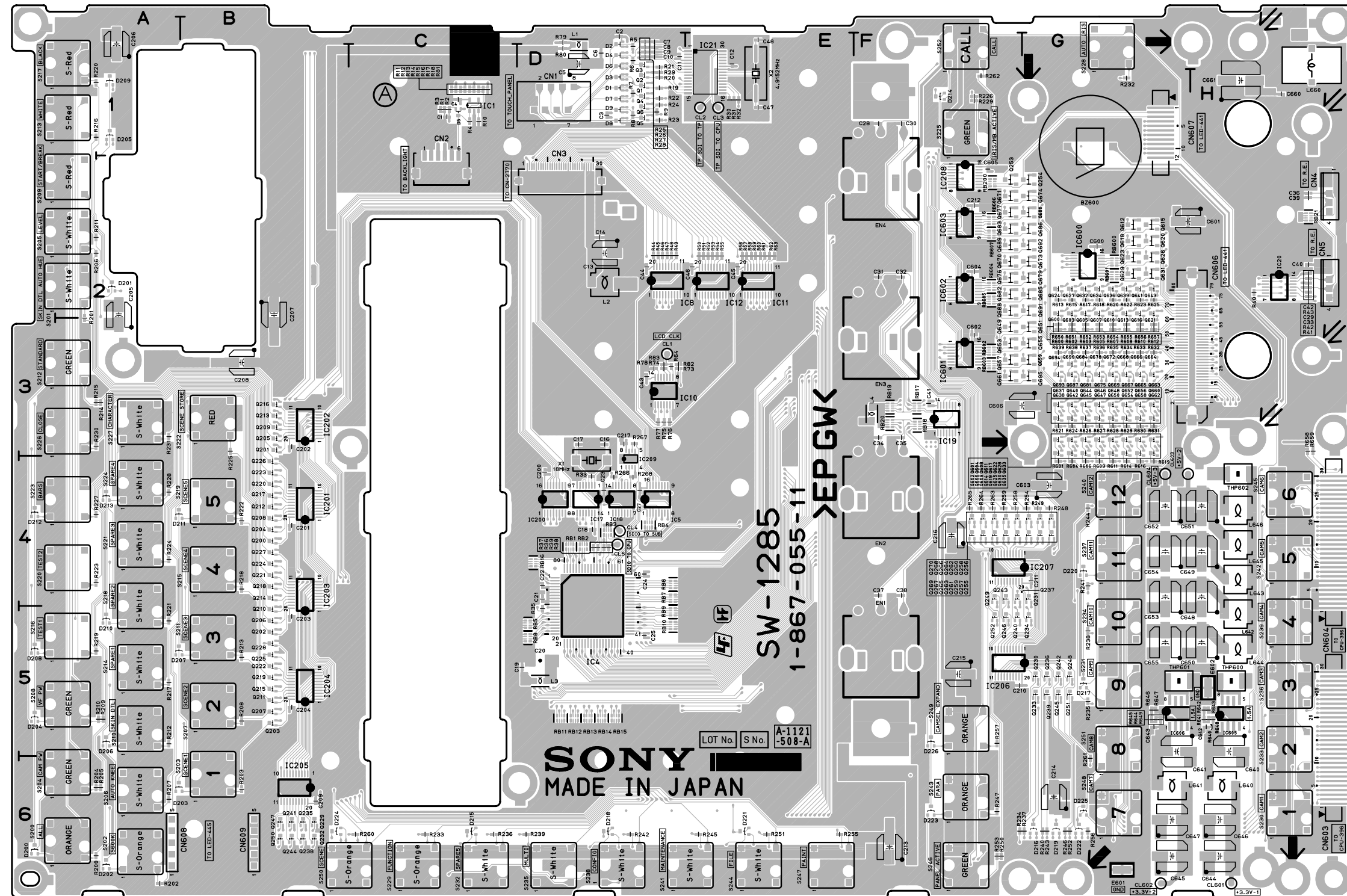


LED-445 -B SIDE-
SUFFIX: -11

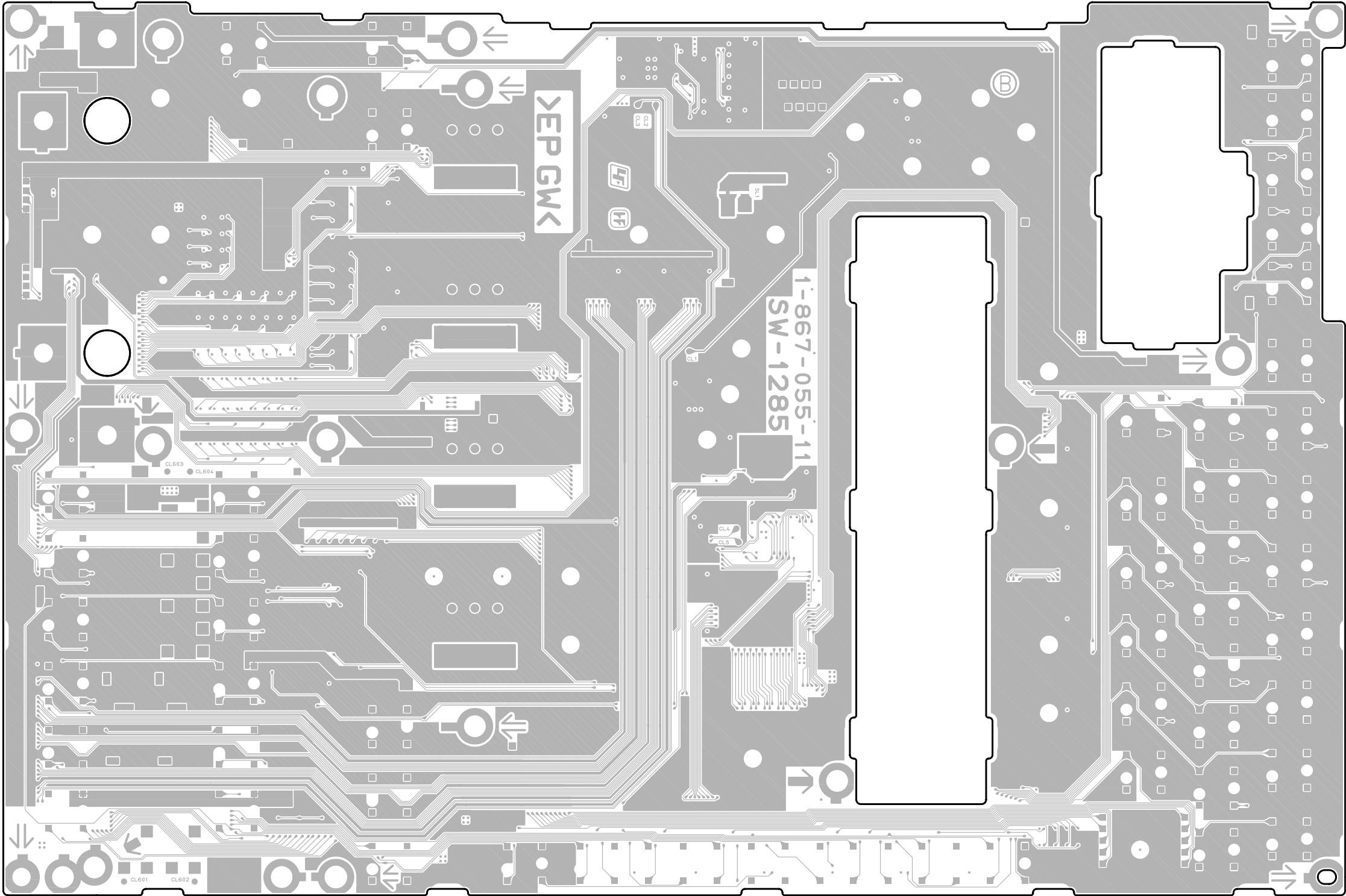
SW-1285 (1-867-055-11)

*:B SIDE

BZ600	G1	CL1	D3	IC602	F2	Q267	F4	Q687	G3	R207	A6	R629	G3	S229	C6
		CL2	E1	IC603	F2	Q268	F4	Q688	F2	R208	B5	R630	G3	S230	H6
C1	C1	CL3	E1	IC605	H5	Q269	F4	Q689	F2	R209	A5	R631	G3	S231	G5
C2	D1	CL4	D4	IC606	G5	Q270	F4	Q690	G3	R210	A5	R632	G3	S232	C6
C3	D1	CL5	D4			Q600	G2	Q691	G2	R211	A2	R633	G3	S233	H5
C4	C1	CL601	H6	L1	D1	Q601	G3	Q692	G2	R212	A5	R634	G3	S234	G5
C5	D1	CL602	G6	L2	D2	Q602	G3	Q693	G3	R213	B5	R635	G3	S235	D6
C6	D1	CL603	G4	L3	D5	Q603	G2	Q694	G3	R214	A3	R636	G3	S236	H5
C7	D1	CL604	G4	L4	F3	Q604	G3	Q695	G3	R215	A3	R637	G3	S237	G4
C8	D1			L640	H6	Q605	G2			R216	A1	R638	G3	S238	D6
C9	D1	CN1	D1	L641	G6	Q606	G3	R1	C1	R217	A5	R639	G3	S239	H5
C10	D1	CN2	C2	L642	H5	Q607	G2	R2	C1	R218	B4	R640	H5	S240	G4
C11	D1	CN3	D2	L643	H4	Q608	G3	R3	C1	R219	A5	R641	H5	S241	E6
C12	E1	CN4	H2	L644	H5	Q609	G3	R4	C1	R220	A1	R642	H5	S242	H4
C13	D2	CN5	H2	L645	H4	Q610	G2	R5	D1	R221	A5	R643	H5	S243	F6
C14	D2	CN603	H5	L646	H4	Q611	G3	R6	D1	R222	B4	R644	G5	S244	E6
C16	D3	CN604	H4	L660	H1	Q612	G2	R7	D1	R223	A4	R645	G5	S245	H4
C17	D3	CN606	H3			Q613	G2	R8	D1	R224	A4	R646	G5	S246	F6
C18	D4	CN607	G1	Q1	D1	Q614	G3	R9	D1	R225	B3	R647	G5	S247	E6
C19	D5	CN608	A6	Q2	D1	Q615	G2	R10	C1	R226	F1	R648	H5	S248	G6
C20	D5	CN609	B6	Q3	D1	Q616	G2	R11	C1	R227	A4	R649	G5	S249	F5
C21	D4			Q4	D1	Q617	G3	R12	C1	R228	A4	R650	G3	S250	C6
C22	D4	D1	D1	Q5	D1	Q618	G2	R13	C1	R229	F1	R651	G3	S251	G5
C23	D4	D2	D1	Q6	D1	Q619	G3	R14	C1	R230	A3	R652	G3	S252	F1
C24	D4	D3	D1	Q200	B4	Q620	G2	R15	C1	R231	A3	R653	G3		
C25	D5	D4	D1	Q201	B3	Q621	G2	R16	C1	R232	G1	R654	G3	THP600	H5
C27	D4	D5	C1	Q202	B5	Q622	G3	R17	C1	R233	C6	R655	G3	THP601	G5
C28	F1	D6	D1	Q203	B5	Q623	G2	R18	C1	R234	F6	R656	G3	THP602	H4
C29	H2	D7	D1	Q204	B4	Q624	G2	R19	D1	R235	G5	R657	G3		
C30	F1	D8	D1	Q205	B3	Q625	G3	R20	D1	R236	C6	R658	H3	X1	D4
C31	F2	D9	D1	Q206	B5	Q626	G2	R21	D1	R237	G6	R659	H3	X2	E1
C32	F2	D200	A6	Q207	B5	Q627	G2	R22	D1	R238	G5				
C33	H2	D201	A2	Q208	B4	Q628	G3	R23	D1	R239	D6	RB1	D4		
C34	F3	D202	A6	Q209	B3	Q629	G2	R24	D1	R240	G6	RB2	D4		
C35	F3	D203	A6	Q210	B5	Q630	G3	R25	D1	R241	G4	RB3	D4		
C36	H2	D204	A5	Q211	B5	Q631	G2	R26	D1	R242	D6	RB4	D4		
C37	F4	D205	A1	Q212	B4	Q632	G2	R27	D1	R243	G6	RB5	D5		
C38	F4	D206	A5	Q213	B3	Q633	G3	R28	D1	R244	G4	RB6	D4		
C39	H2	D207	A5	Q214	B4	Q634	G2	R29	D1	R245	E6	RB7	D4		
C40	H2	D208	A5	Q215	B5	Q635	G3	R30	E1	R246	G6	RB8	D5		
C41	F3	D209	A1	Q216	B3	Q636	G2	R31	E1	R247	F6	RB9	D5		
C42	H2	D210	A5	Q217	B4	Q637	G3	R32	E1	R248	G4	RB10	D5		
C43	D3	D211	A4	Q218	B4	Q638	G3	R33	D4	R249	G4	RB11	D5		
C44	D2	D212	A4	Q219	B5	Q639	G2	R35	D5	R250	F6	RB12	D5		
C45	E2	D213	A4	Q220	B4	Q640	G3	R36	D4	R251	E6	RB13	D5		
C46	E2	D214	F1	Q221	B4	Q641	G2	R37	D4	R252	G6	RB14	D5		
C47	E1	D215	C6	Q222	B5	Q642	G3	R38	D4	R253	F6	RB15	D5		
C48	E1	D216	G6	Q223	B4	Q643	G2	R39	D4	R254	G4	RB16	D4		
C200	D4	D217	G5	Q224	B4	Q644	G3	R40	H2	R255	E6	RB17	F3		
C201	B4	D218	D6	Q225	B5	Q645	G3	R41	H2	R256	G6	RB18	F3		
C202	B3	D219	G6	Q226	B4	Q646	G3	R42	H2	R257	F5	RB19	F3		
C203	B5	D220	G4	Q227	B4	Q647	G3	R43	H2	R258	F4	RB20	F3		
C204	B5	D221	E6	Q228	B5	Q648	G3	R44	D2	R259	F4	RB21	H2		
C205	A2	D222	G6	Q229	B6	Q649	F3	R45	D2	R260	C6	RB200	F2		
C206	A1	D223	F6	Q230	G5	Q650	G3	R46	D2	R261	G6	RB600	G2		
C207	B2	D224	B6	Q231	G4	Q651	G3	R47	D2	R262	F1	RB601	G2		
C208	B3	D225	G6	Q232	B6	Q652	G3	R48	D2	R263	F4	RB602	F3		
C209	B6	D226	F5	Q233	G5	Q653	F3	R49	D2	R264	F4	RB603	F3		
C210	F5			Q234	G5	Q654	G3	R50	E2	R265	F4	RB604	F2		
C211	G4	E601	G6	Q235	B6	Q655	G3	R51	E2	R266	D4	RB605	F2		
C212	F2	E602	H5	Q236	G5	Q656	G3	R52	E2	R267	D3	RB606	F2		
C213	F6			Q237	F4	Q657	F3	R53	E2	R268	D4	RB607	F2		
C214	G6	EN1	F5	Q238	B6	Q658	G3	R54	E2	R600	G3				
C215	F5	EN2	F4	Q239	G5	Q659	G3	R55	E2	R601	G4	S200	A6		
C216	F4	EN3	F2	Q240	F5	Q660	G3	R56	E2	R602	G3	S201	A2		
C217	D3	EN4	F2	Q241	B6	Q661	F3	R57	E2	R603	G3	S202	A6		
C600	G2			Q242	G5	Q662	G3	R58	E2	R604	G4	S203	B6		
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C605	F2	IC10	D3	Q247	B6	Q667	G3	R63	E2	R609	G4	S208	A5		
C606	F3	IC11	E2	Q248	G5	Q668	G3	R64	D3	R610	G3	S209	A2		
C640	H5	IC12	E2	Q249	F4	Q669	G3	R73	D3	R611	G4	S210	A5		
C641	G5	IC17	D4	Q250	B6	Q670	F2	R74	D3	R612	G3	S211	B5		
C642	H5	IC18	D4	Q251	G5	Q671	F2	R75	D3	R613	G2	S212	A3		
C643	G5	IC19	F3	Q252	F5	Q672	G3	R76	D3	R614	G4	S213	A1		
C644	H6	IC20	H2	Q253	F2	Q673	G2	R77	D3	R615	G2	S214	A5		
C645	G6	IC21	E1	Q254	G2	Q674	G2	R78	D3	R616	G4	S215	B4		
C646	H6	IC200	D4	Q255	G4	Q675	G3	R79	D1	R617	G2	S216	A5		
C647	G6	IC201	B4	Q256	G4	Q676	F2	R80	D1	R618	G2	S217	A1		
C648	H4	IC202	B3	Q257	G4	Q677	F2	R81	C1	R619	G4	S218	A5		
C649	H4	IC203	B5	Q258	G4	Q678	G3	R82	D3	R620	G2	S219	B4		
C650	H5	IC204	B5	Q259	G4	Q679	G2	R83	D3	R621	G3	S220	A4		
C651	H4	IC205	B6	Q260	G4	Q680	G2	R200	A6	R622	G2	S221	A4		
C652	G4	IC206	F5	Q261	F4	Q681	G3	R201	A3	R623	G2	S222	B3		
C653	G4	IC207	F4	Q262	F4	Q682	F2	R202	A6	R624	G3	S223	A4		
C654	G4	IC208	F2	Q263	F4	Q683	F2	R203	B6	R625	G2	S224	A4		
C655	G5	IC209	D4	Q264	F4	Q684	G3	R204	A6	R626	G3	S225	F1		
C660	H1	IC600	G2	Q265	F4	Q685	G2	R205	A6	R627	G3	S226	A3		
C661	H1	IC601	F3	Q266	F4	Q686	G2	R206	A2	R628	G3	S227	A3		
												S228	G1		



SW-1285 -A SIDE-
SUFFIX: -11



SW-1285 -B SIDE-
SUFFIX: -11

SAFETY CHECK-OUT

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

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

LEAKAGE TEST

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

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

