

SONY®

ELECTRONIC VIEWFINDER

DXF-C50W

SERVICE MANUAL

1st Edition

警告

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

WARNING

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

WARNUNG

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

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Manual Structure

Purpose of this manual

This manual is the service manual for Electronic Viewfinder DXF-C50W.
This manual describes the information items that premise the service based on the components parts such as alignment, schematic diagrams, board layouts and spare parts lists, assuming use of system and service engineers.

Relative manual

Besides this service manual the following manual is available for this unit.

- **Operation Instructions (Supplied with this unit)**

This manual is necessary for application and operation of this unit.
Part number: 4-186-847-0X

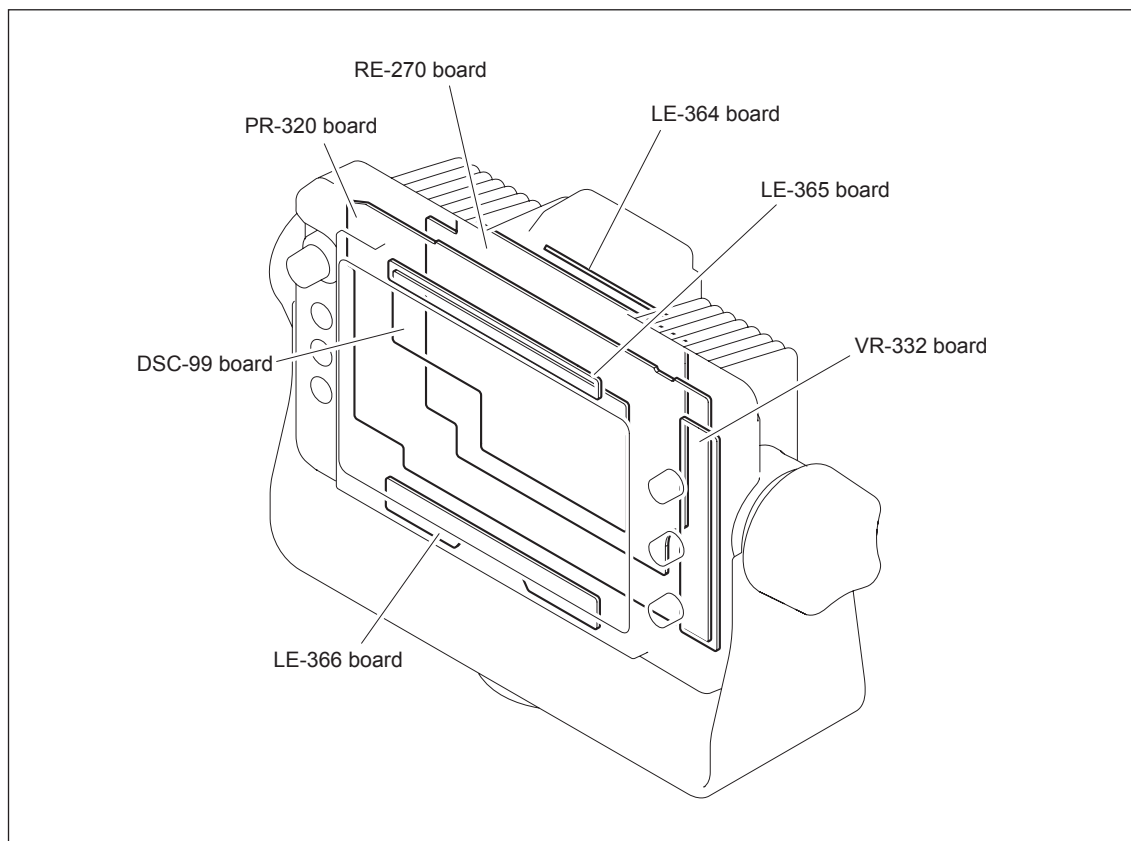
- **“Semiconductor Pin Assignments” CD-ROM (Available on request)**

This “Semiconductor Pin Assignments” CD-ROM allows you to search for semiconductors used in Broadcast and Professional equipment.
Part number: 9-968-546-06

Section 1

Service Overview

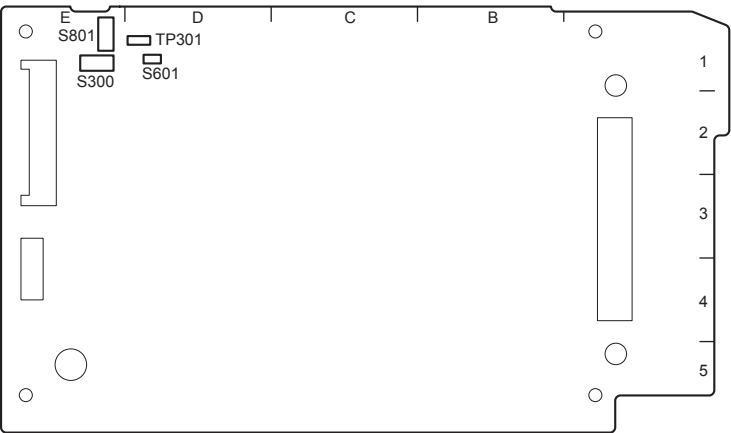
1-1. Board Location



1-2. Functional Description

1-2-1. Switches on Board

PR-320 board

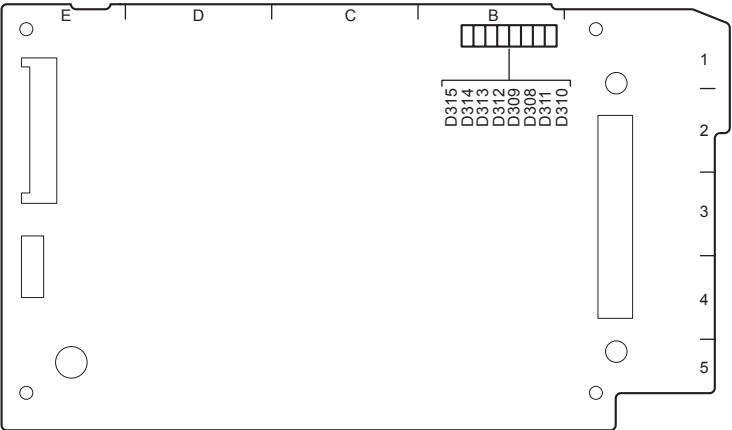


PR-320 board (Side B)

Ref. No.	Bit	Description	Factory setting		
S300	1 to 3	Unused	All OFF		
	4, 5	Selection of signal output to TP301		All OFF	
		Bit 5	Bit 4	Signal	
		OFF	OFF	Y or R output (factory setting)	
		OFF	ON	Pb or G output	
		ON	OFF	Pr or B output	
		ON	ON	Undefined	
		6, 7, 8	Selection of signal output to TP301		All OFF
		Bit 8	Bit 7	Bit 6	Signal
		OFF	OFF	OFF	IC250 output (factory setting)
		OFF	OFF	ON	Undefined
		OFF	ON	OFF	IC400 input 1
		OFF	ON	ON	IC400 input 2
		ON	OFF	OFF	IC400 output
		ON	OFF	ON	PR board output
		ON	ON	OFF	Undefined
	ON	ON	ON	Undefined	
S601	–	Used for manual hardware reset of all boards.	–		
S801	1	OFF: Normal, ON: Reserved	All OFF		
	2	Unused			
	3	OFF: Normal, ON: Reserved			
	4	Unused			
	5	OFF: Normal, ON: DEBUG mode			
	6	OFF: Normal, ON: DESIGNERS menu			
	7	OFF: Normal, ON: During upgrading			
	8	OFF: Normal, ON: During upgrading			

1-2-2. Indicators on Board

PR-320 board

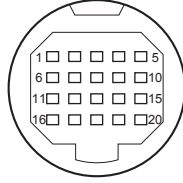


PR-320 board (Side B)

Ref. No.	Color	Description	Normal state (Power ON)
D308	Yellow	Unused	OFF
D309	Yellow	Unused	OFF
D310	Yellow	Unused	OFF
D311	Yellow	Unused	OFF
D312	Yellow	Unused	OFF
D313	Yellow	Unused	OFF
D314	Yellow	Unused	OFF
D315	Yellow	Unused	OFF

1-2-3. External Connector

VF (20-pin, female)



(External View)

Pin No.	Signal name	I/O	Specifications
1	PEAKING CONT	OUT	$Z_i \geq 5 \text{ k}\Omega$, 0 to 5 V
2	POWER EXT DC	IN	DC 10.6 V to 17 V
3	REC TALLY IND	IN	ON: 5 V, OFF: GND or OPEN, $Z_o \leq 500 \Omega$
4	BATT IND	IN	ON: 5 V, OFF: GND or OPEN, $Z_o \leq 1.1 \text{ k}\Omega$
5	NC	—	No connection
6	VF VIDEO (X)	IN	1.0 Vp-p, $Z_i = 3.3 \text{ k}\Omega$
7	POWER EXT DC	IN	DC 10.6 V to 17 V
8	NC	—	No connection
9	NC	—	No connection
10	SDA (VF)	IN	5 Vp-p, $Z_o \leq 500 \Omega$
11	VF VIDEO (G)	—	GND
12	EXT DC GND	—	GND
13	NC	—	No connection
14	DISPLAY SW	IN	ON: $4.5 \pm 0.5 \text{ V}$ or OPEN, OFF: $0 \pm 0.5 \text{ V}$
15	SCL (VF)	IN	5 Vp-p, $Z_o \leq 500 \Omega$
16	R-Y (VF)	IN	0.525 Vp-p, $Z_i = 3.3 \text{ k}\Omega$
17	EXT DC GND	—	GND
18	B-Y (VF)	IN	0.525 Vp-p, $Z_i = 3.3 \text{ k}\Omega$
19	SYNC (VF)	IN	5 Vp-p, $Z_o \leq 500 \Omega$
20	LD (VF)	IN	5 Vp-p, $Z_o \leq 500 \Omega$

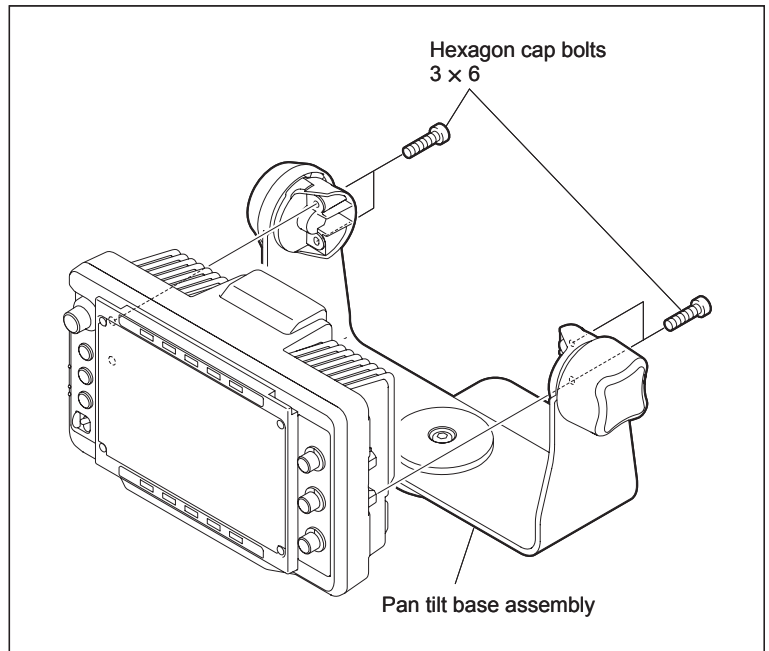
1-3. Removing/Installing the Cabinet

Note

Perform the disassembling work on an antistatic workbench with a conductive sheet.

Removal

1. Remove the four hexagon cap bolts and remove the pan tilt base assembly from the body.



2. Remove the five screws and remove the rear case assembly.
3. Pull the connection cable out of the opening of the rear case assembly.

Installation

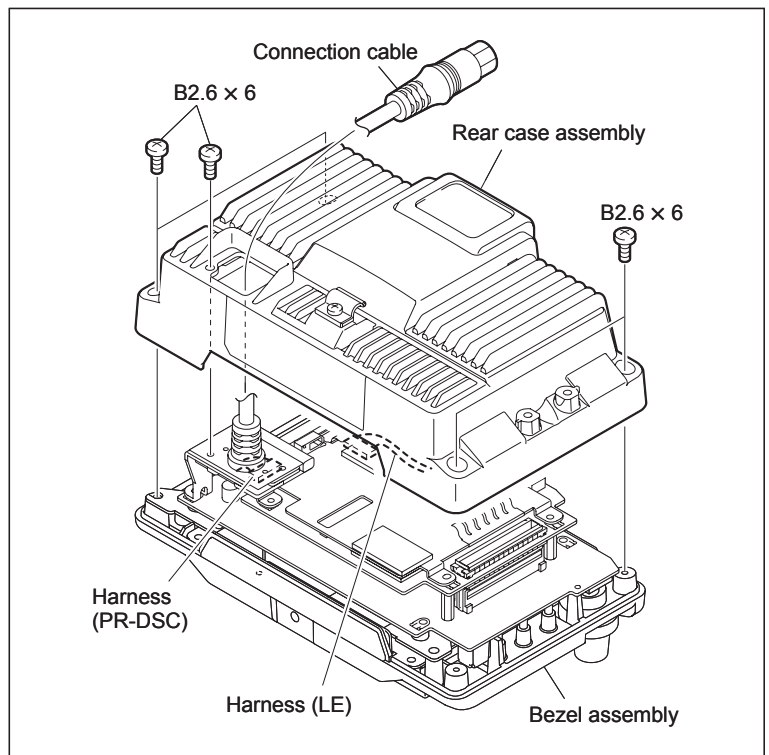
1. Pass the connection cable through the opening of the rear case assembly.
2. Check that the harness (LE) and the harness (PR-DSC) are inside the bezel assembly frame.

If any of these harnesses is not within the bezel assembly frame, arrange it referring to the following sections.

Harness (LE): Section 1-4-4

Harness (PR-DSC): Section 1-4-3

3. Perform the reverse steps of removal.



1-4. Replacing Boards

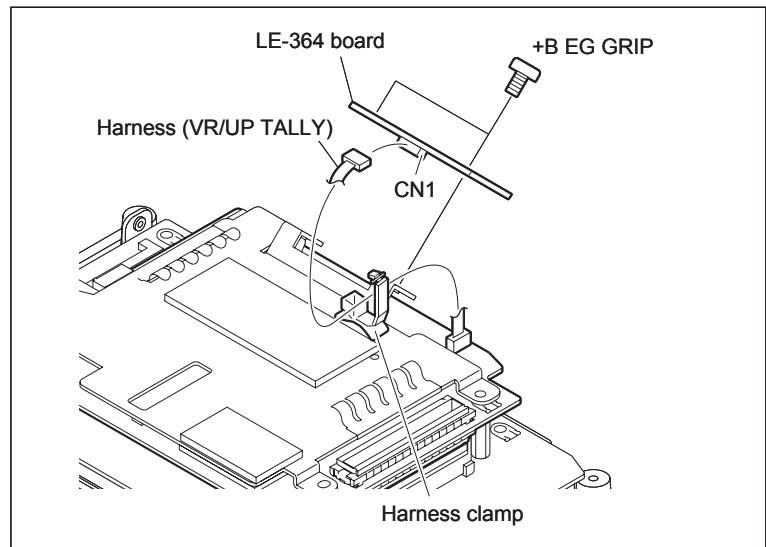
Note

Perform the disassembling work on an antistatic workbench with a conductive sheet.

1-4-1. LE-364 Board

Removal

1. Remove the cabinet. (Refer to Section 1-3.)
2. Release the harness clamp and disconnect the harness from the connector CN1 on the LE-364 board.
3. Remove the two screws and remove the LE-364 board.



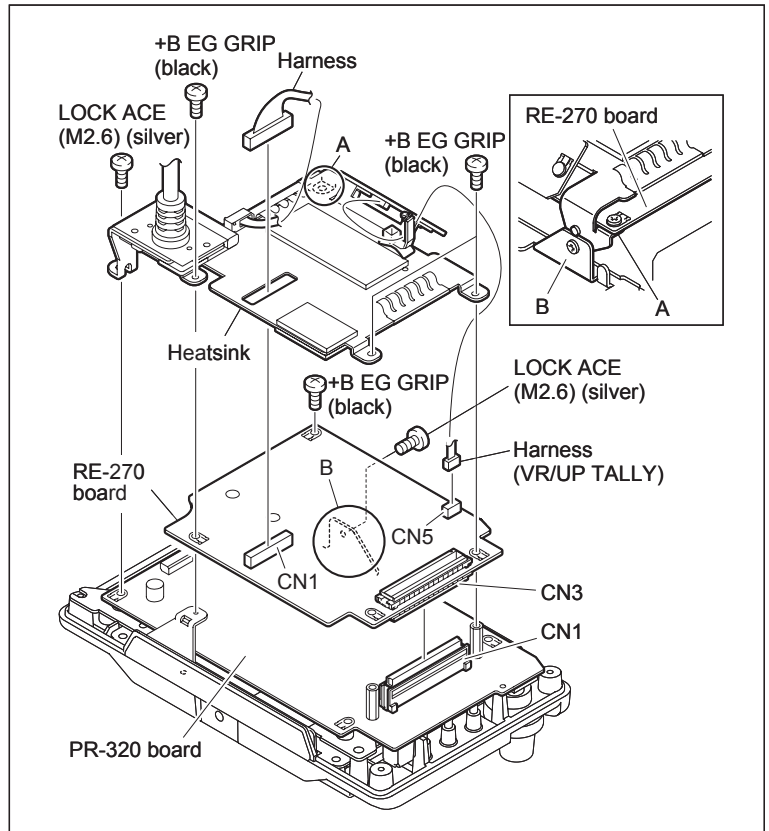
Installation

1. Perform the reverse steps of removal.

1-4-2. RE-270 Board

Removal

1. Remove the cabinet. (Refer to Section 1-3.)
2. Disconnect the harnesses from the connectors CN1 and CN5 on the RE-270 board.
3. Remove the six screws.
4. Disconnect the connector CN3 on the RE-270 board from the connector CN1 on the PR-320 board, and remove the RE-270 board and the heatsink.



Installation

1. Put the heatsink on the RE-270 board so that portion A of the heatsink comes under the RE-270 board.
2. Put the RE-270 board on the PR-320 board so that portion B of the board chassis comes outside the heatsink in the state of step 1.
3. Connect the connector CN3 on the RE-270 board to the connector CN1 on the PR-320 board.

Note

Firmly couple the connectors.

4. Perform the reverse steps of removal.

1-4-3. PR-320 Board

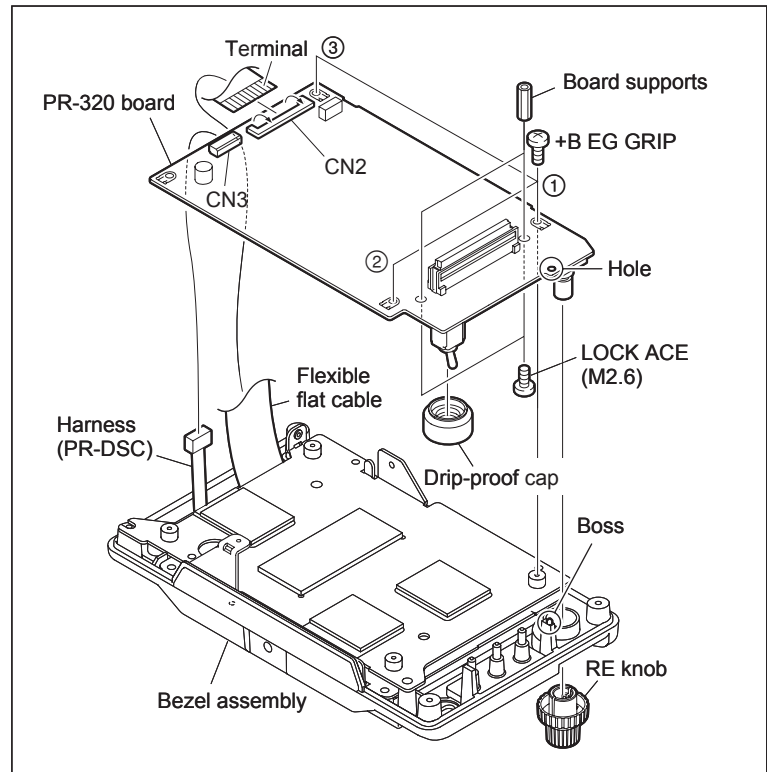
Removal

1. Remove the cabinet. (Refer to Section 1-3.)
2. Remove the RE-270 board.
(Refer to Section 1-4-2.)
3. Detach the RE knob.
4. Disconnect the flexible flat cable and the harness from the connectors CN2 and CN3 respectively on the PR-320 board.

Note

When reconnecting the harness, accommodate the redundant length of the harness in the space between the PR-320 board and the board chassis.

5. Remove the three screws and remove the PR-320 board.
6. Detach the drip-proof cap from the toggle switch on the PR-320 board.
7. Remove the two screws to detach the two board supports.



Installation

1. Secure the two board supports with two screws.
2. Attach the drip-proof cap to the toggle switch on the PR-320 board paying attention to its orientation.
3. While holding the drip-proof cap to prevent it from falling, put the PR-320 board inserting the boss on the bezel assembly into the hole in the PR-320 board.
4. Secure the PR-320 board with three screws in the order shown in the figure.
5. Perform the reverse steps of removal.

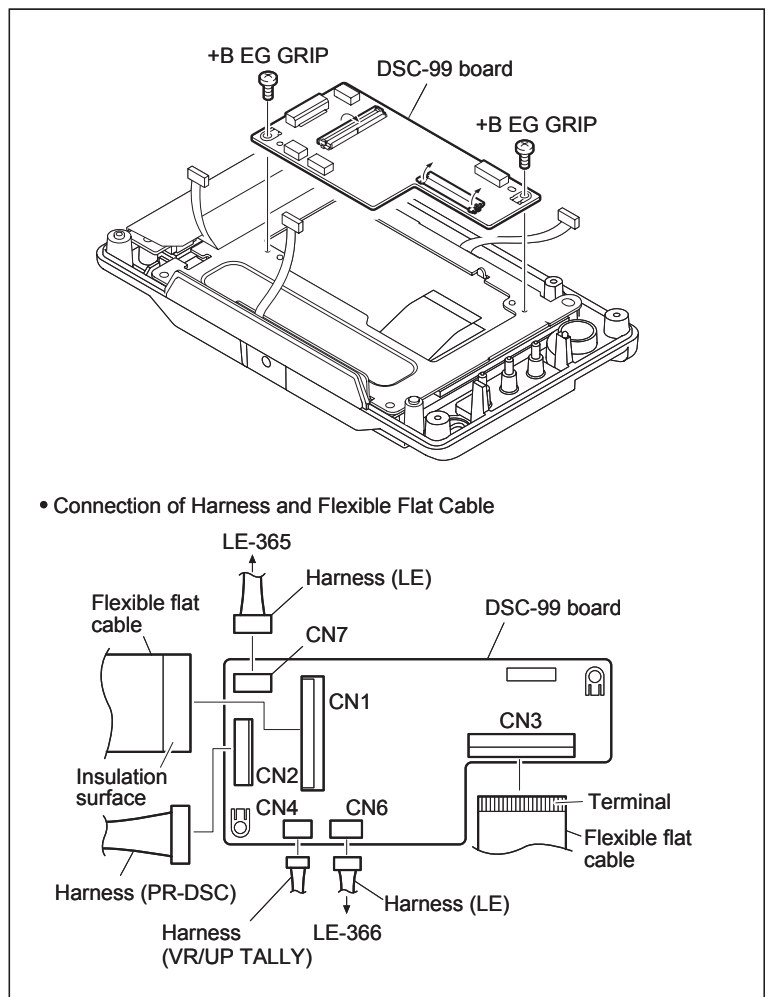
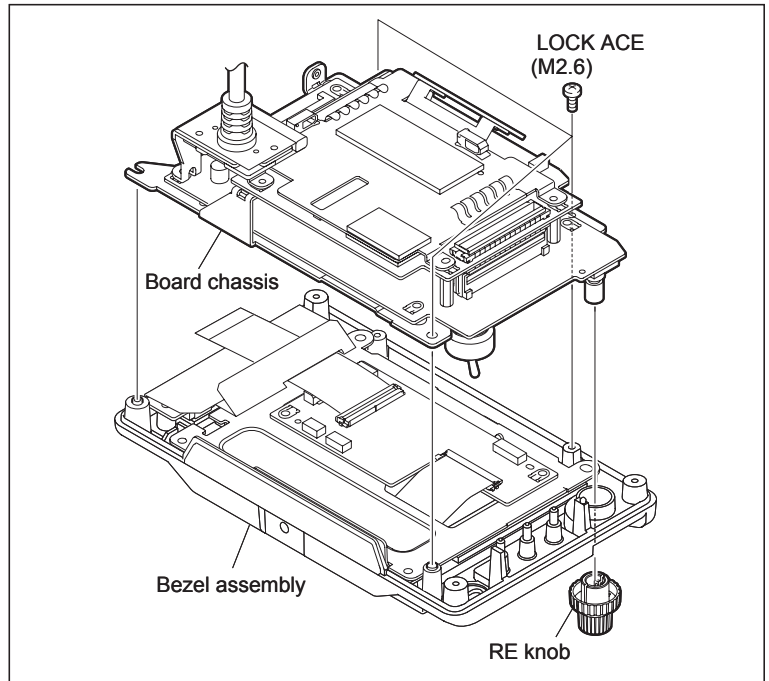
1-4-4. DSC-99 Board

Removal

1. Remove the cabinet. (Refer to Section 1-3.)
2. Detach the RE knob.
3. Remove the three screws and remove the RE-270 and PR-320 boards together with the board chassis.
4. Disconnect all harnesses and flexible flat cables from the connectors on the DSC-99 board.
5. Remove the two screws and remove the DSC-99 board.

Installation

1. Secure the DSC-99 board with two screws.
2. Connect the harnesses and flexible flat cables to the connectors on the DSC-99 board as shown in the figure.



3. Arrange the three harnesses as shown in the figure.

- Upper harness (LE)

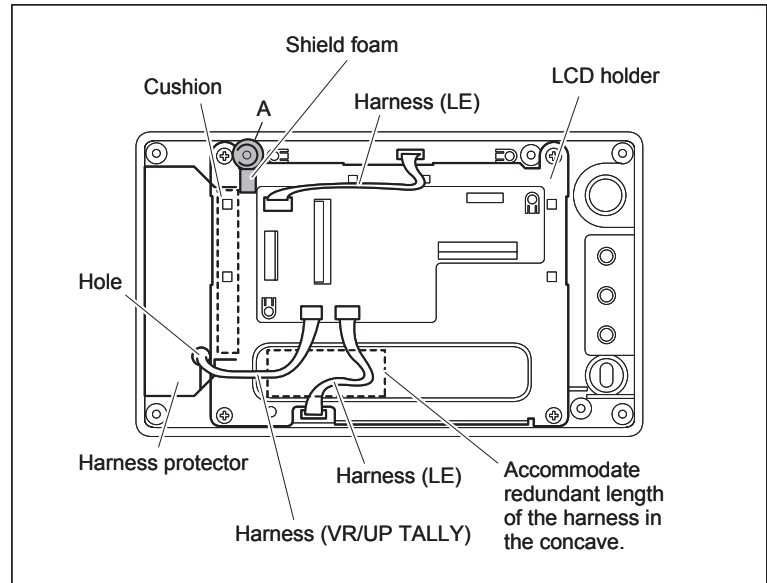
It shall not be put on portion A and the shield foam of the bezel assembly.

- Lower harness (LE)

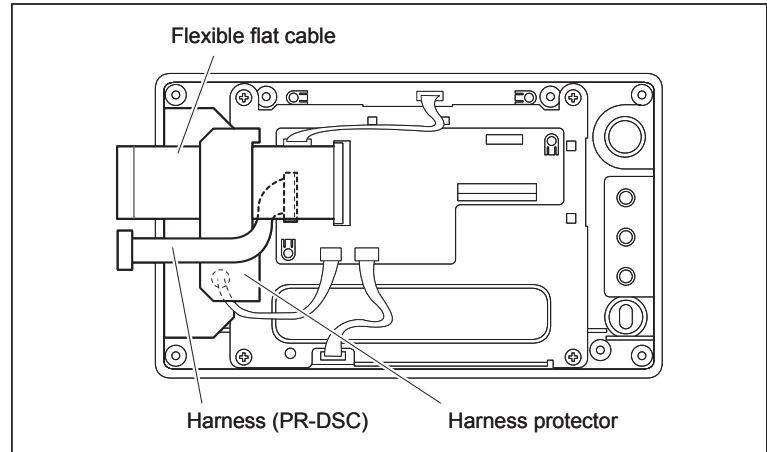
Accommodate the redundant length of the harness in the concave of the LCD holder.

- Harness (VR/UP TALLY)

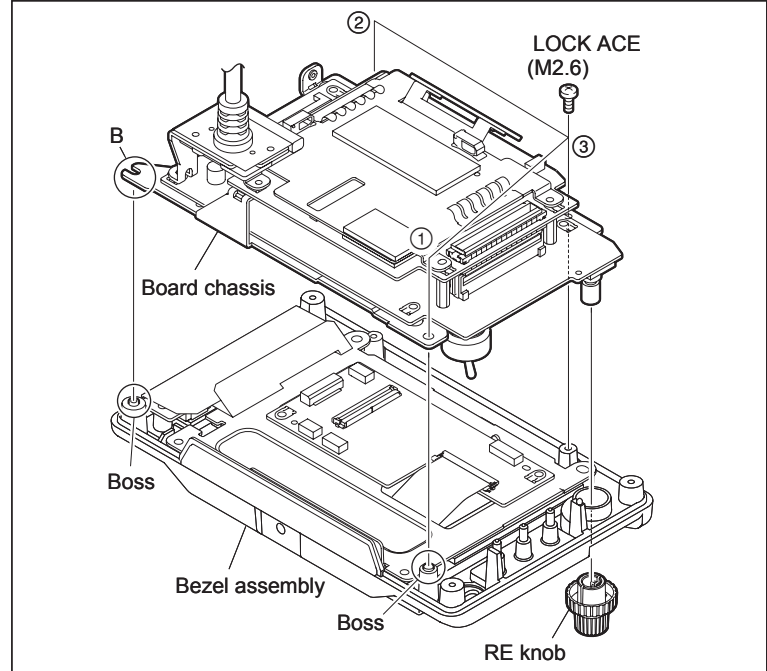
- Pass this harness through the harness protector hole and accommodate its redundant length in the concave of the LCD holder.
- Be careful so that this harness is not caught by the cushion between the LCD module and the LCD holder.



4. Arrange the flexible flat cable and the harness (PR-DSC) as shown in the figure.



5. Put the board chassis while inserting the two bosses on the bezel assembly into the two screw holes (①, B) in the board chassis.
6. Secure the board chassis with three screws in the order shown in the figure.
7. Attach the RE knob.
8. Install the cabinet. (Refer to Section 1-3.)



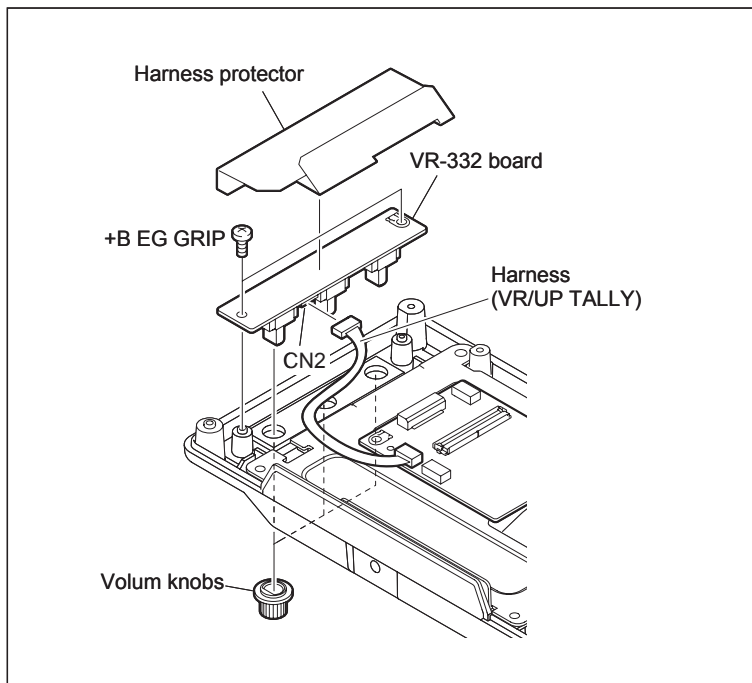
1-4-5. VR-332 Board

Removal

1. Remove the cabinet. (Refer to Section 1-3.)
2. Remove the RE-270 and PR-320 boards together with the board chassis. (Refer to Section 1-4-4.)
3. Detach the harness protector and the three volume knobs.
4. Remove the two screws and remove the VR-332 board.
5. Disconnect the harness from the connector CN2 on the VR-332 board.

Installation

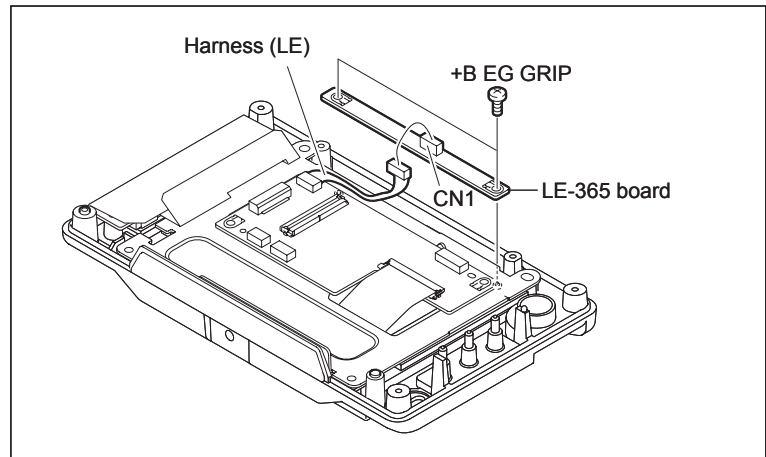
1. Perform the reverse steps of removal.



1-4-6. LE-365 Board

Removal

1. Remove the cabinet. (Refer to Section 1-3.)
2. Remove the RE-270 and PR-320 boards together with the board chassis. (Refer to Section 1-4-4.)
3. Remove the two screws and remove the LE-365 board.
4. Disconnect the harness from the connector CN1 on the LE-365 board.



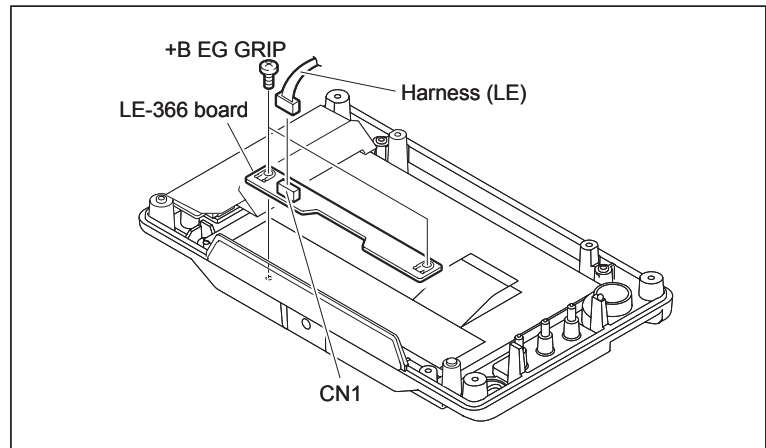
Installation

1. Perform the reverse steps of removal.

1-4-7. LE-366 Board

Removal

1. Remove the cabinet. (Refer to Section 1-3.)
2. Remove the RE-270 and PR-320 boards together with the board chassis. (Refer to Section 1-4-4.)
3. Remove the LCD holder. (Refer to Section 1-5.)
4. Disconnect the harness from the connector CN1 on the LE-366 board.
5. Remove the two screws and remove the LE-366 board.



Installation

1. Perform the reverse steps of removal.

1-5. Replacing the LCD Module

Note

Perform the disassembling work on an antistatic workbench with a conductive sheet.

Removal

1. Remove the cabinet. (Refer to Section 1-3.)
2. Remove the RE-270 and PR-320 boards together with the board chassis. (Refer to Section 1-4-4.)
3. Disconnect the flexible flat cable from the connector CN3 on the DSC-99 board.
4. Disconnect the harnesses from the connectors CN4, CN6, and CN7 on the DSC-99 board.
5. Remove the four screws to detach the LCD holder.
6. Remove the LCD module.

Note

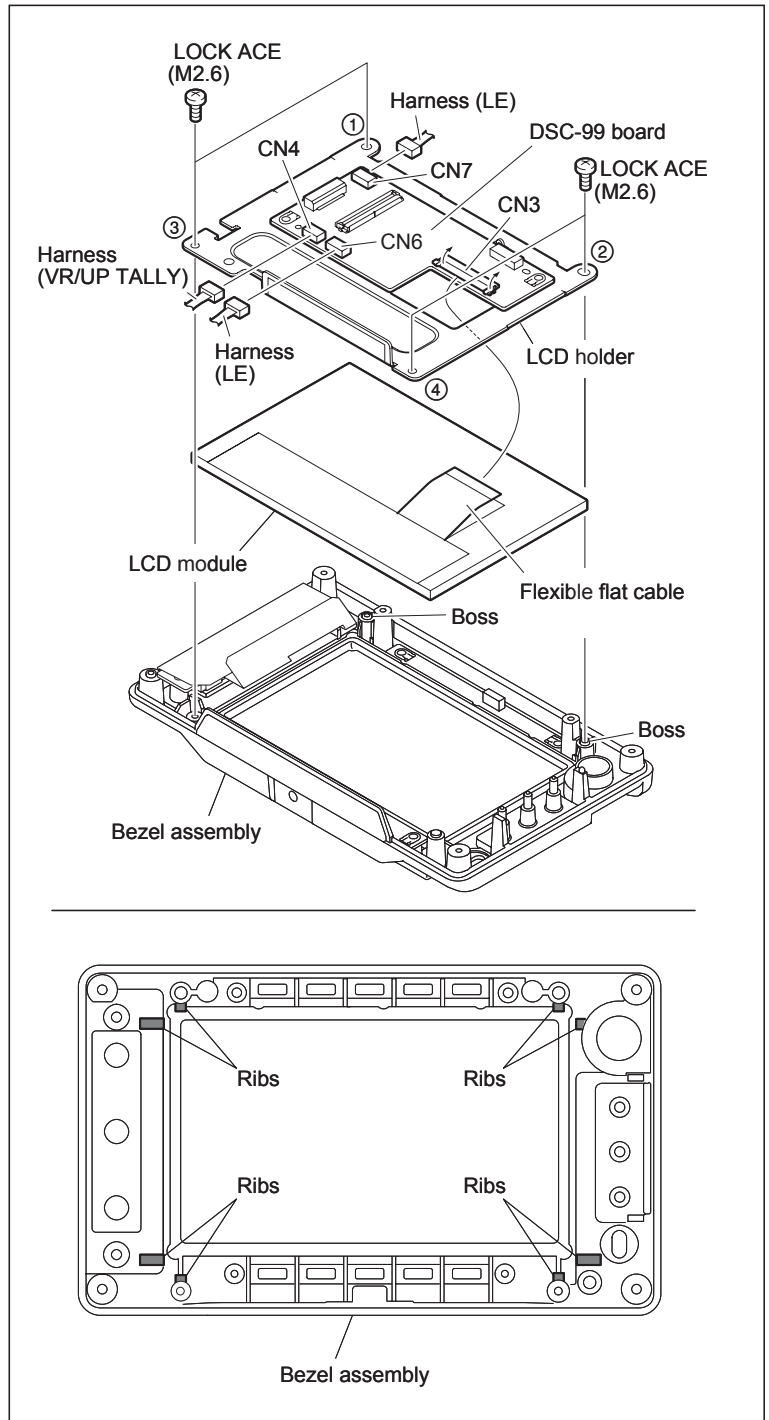
Do not touch the screen of the LCD module.

Installation

1. Fit the LCD module into inside the eight ribs on the bezel assembly.
2. Put the LCD holder while inserting the two bosses on the bezel assembly into the two screw holes (①, ②) in the LCD holder.
3. Secure the LCD holder with four screws in the order shown in the figure.
4. Perform the reverse steps of removal.

Note

Be careful so that dust or dirt does not adhere.



1-6. Circuit Protection Parts

1-6-1. Positive Coefficient Thermister

This unit is equipped with positive coefficient thermister(s) (power thermister) as circuit protection device. The positive coefficient thermister limits the electric current flowing through the circuit as the internal resistance increases sharply when an excessive current flows or when the ambient temperature increases and the thermister heats to a certain temperature. If the positive coefficient thermister works, turn off the main power of the unit and inspect the internal circuit of the unit. After the cause of the fault has been removed and the thermister has been cooled down, turn on the main power again. The unit works normally.

It takes about one minute to cool down the positive coefficient thermister after the main power is turned off.

Board name	Ref. No. (Address)	Part No.	Part name (rating)
RE-270	THP1 (F-4/side B)	△1-802-108-11	Positive coefficient thermister (24 V/20 A)

1-6-2. IC Link

This unit is equipped with IC links.

If overcurrent flows in IC links or they overheat due to a problem in the unit, these devices will blow.

When any of the fuses and IC links needs to be replaced, replace it with the following specified part after removing the cause of the blow.

WARNING

The IC links are critical parts to maintain safety.

Using an unspecified part for replacement may result in a fire or electric shock. Be sure to use the part specified in this manual.

CAUTION

If an IC link is replaced with the power cable connected, it may result in electric shock.

Before replacing the IC link, be sure to turn off the power switch and disconnect the unit from the camera.

Board name	Ref. No. (Address)	Part No.	Part name (rating)
RE-270	PS100 (E-2/side B)	△1-576-122-21	IC link (72 V/0.4 A)

1-7. Lead-free Solder

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

1-8. Circuit Description

PR-320 Board

The PR-320 board mainly consists of an A/D conversion circuit, a video signal processing circuit, a clock generator circuit, and a CPU.

VIDEO signal processing

The analog Y/B-Y/R-Y signal input from CN1 is converted to a 10-bit digital signal with a transfer rate of 27 Mbps by the A/D converter (IC250), and the digital signal is output to the FPGA 1/2 (IC300).

The FPGA 1/2 distributes the input Y/B-Y/R-Y digital signal to two channels. Peaking processing is added to each distributed digital signal, and then the signal is output to the image processing IC (IC400).

The FPGA 1/2 also determines the input signal format and outputs the synchronizing signals (HD/VD) input from CN1 to the AD converter (IC250).

The image processing IC performs picture size conversion and interlace/progressive conversion, converts the input Y/B-Y/R-Y digital signal to a RGB digital signal, and then outputs the converted signal to the FPGA 2/2 (IC300). The image processing IC also makes brightness and contrast settings and performs two-screen composition processing.

The FPGA 2/2 adds knee correction to input signals, and then outputs the processed signals to CN2. The FPGA 2/2 also superimposes the OSD signal on the video signal.

Generation of internal test signals

The FPGA (IC300) has a circuit to generate internal test signals and switches them with main-line signals.

Control system

The CPU (IC800) performs the following communication and settings.

- Serial communication with the FPGA, image processing IC, D/A converter (IC810), and FPGA (IC1 on the DSC-99 board)
- Parameter settings (serial communication) for the LED driver (IC408 on the RE-270 board) and OSD (IC804)
- Parameter settings (I2C communication) for the LPF (IC414 on the RE-270 board), A/D converter, and clock generator IC (IC604)

The brightness/contrast/peaking volume level signal lines are connected to the A/D input port of the CPU, and the CPU control the volume levels.

The D/A converter controls the brightness of the external tally lamp.

EEPROM

Setup data, power-on hours of the unit, and other information are stored in the EEPROM (IC902). Model information including serial number of the unit is stored in the EEPROM (IC901).

Since the FPGA conforms to the e-Production method, it can be upgraded from CN5.

(Refer to Section 1-10.)

RE-270 Board

The RE-270 board is connected to the camera through the VF cable to perform processing of power lines and various signals.

Generation of power voltages

Eleven voltages are generated from the UNREG voltage (10.5 to 17.0 V) supplied from the camera.

+5.0 V_LED, +5.0 V_A, -5.0 V_A, +3.3 V_1, +3.3 V_2, +3.3 V_3, +3.3 V_PNL, +3.3 V_LPF, +2.5 V, +1.8 V, and +1.2 V (IC100, IC102, IC200, IC300, IC101, IC418, IC201, IC301)

When the POWER switch on the front panel is set to "SAVE", voltages +5.0 V_A, -5.0 V_A, +3.3 V_PNL, and +3.3 V_LPF are not output and the unit enters the power-saving mode.

LCD panel backlight control

IC404 controls the circuit that applies current to the LED backlight incorporated in the LCD panel to illuminate it. This IC controls (PWM control) the current value that flows through the LED and the energization time to adjust the brightness of the backlight.

The LED current is shut off during the power-saving mode and the screen turns black.

Serial data processing with the camera

This unit performs serial data communication with the camera. IC400 to IC403 on the RE-270 board convert the serial signal to parallel data. This parallel data is used for LED indicator control and CPU settings (IC402, IC405 to IC410, and IC417).

Tally system control and drive

IC402, IC405 to IC410, and IC417 make settings for lighting and brightness of the UP tally indicator and the LED indicators on the front panel, and controls this circuit with the menu setting and signals from the camera.

Analog video signal processing

The video signals Y, R-Y, and B-Y are transferred to the differential amplifier (IC411 to IC413, gain: 0 dB), and are then output to IC414 that has the LPF function. Since IC414 can set low-pass characteristics through I2C communication with the CPU, the video signal is processed to a signal with the best frequency characteristics before A/D conversion and is output to the A/D converter on the PR-320 board.

Synchronization separation processing

The synchronization separator IC (IC416) extracts synchronizing signals H_SYNC, V_SYNC, and HV_SYNC as well as the O/E_FIELD signal from the brightness signal Y with synchronizing signal, and then outputs these signals to the PR-320 board.

DSC-99 Board

The DSC-99 board that mainly consists of a video signal processing circuit is connected to the PR-320 board, LE-365 board, LE-366 board, VR-332 board, and the LCD module. This board also controls the interface between the PR-320 board and the front panel boards (LE-365, LE-366, and VR-332).

Video signal processing

The RGB digital signals (8 bits each) input from CN1 are processed for output to the LCD panel by the FPGA (IC1). This board is provided with SDRAM (IC2) for signal processing.

Since the FPGA conforms to the e-Production method, it can be upgraded from CN5.

(Refer to Section 1-10.)

Interface

The DSC-99 board controls the interface for the indicator signals and the volume level signals (BRIGHT, CONTRAST, and PEAKING) between the PR-320 board and the front panel boards (LE-365, LE-366, and VR-332).

1-9. Required Tools and Equipment

Tools

Part No.	Name	Use
J-7120-022-A	PLD download tool (for USB)	PLD data loading

Equipment

Equipment	Model name
Camera	DXC-D50/D50WS series, DSR-400/450WS series or the equivalent
Display color analyzer	Konica Minolta sensing CA-210 or the equivalent

1-10. Writing and Rewriting PLD Internal Data

This unit is equipped with a PLD that can be written and rewritten using the e-Production (EPR2) method. When replacing parts shown in this section or upgrading the PLD version, contact your local Sony Sales Office/Service Center.

Notes

- Do not downgrade the PLD. If the PLD is downgraded, the unit may malfunction.
- The part number of the PLD (or the ROM for the PLD) noted in “Spare Parts” is for a part with no data written.

Therefore, after a PLD is replaced, data must be written to the new PLD following the procedure in this section.

It is not necessary to write data to a PLD that has a program operating on the externally connected ROM. Only replace the defective PLD.

About e-Production

- When writing or rewriting PLD internal data,
 1. Standard tools (cables) can be used.
 2. Standard software (PLD Download Tool) can be used.
- The PLD internal data is stored as a Project file (E_ xxx_ xxx_ xx_ xx).
- The standard connector (EPR2 connector) for writing PLD internal data is provided on the board, and “EPR2” is displayed on the board.

Relevant PLDs

Board name	PLD/ROM	EPR connector	Project file No.
PR-320	IC300/IC302 ^{*1}	CN5	E_000_004_96_xx
DSC-99	IC1/IC3 ^{*2}	CN5	E_000_004_97_xx

*1: IC302 is the ROM for IC300.

*2: IC3 is the ROM for IC1.

Equipment to be used

- PLD download tool (for USB) (Sony part No.: J-7120-220-A)
- Personal computer with a USB port and installed PLD download tool software
For the supported OS and operating environment, refer to “Download Tool Operation Manual (Device Writing Volume)”.

Checking FPGA version

1. Display the TOP menu. (Refer to Section 3-2.)
2. Open the VERSION page of the SERVICE menu. (Refer to Section 3-4.)
3. Check the FPGA version.

PR FPGA: Version of the FPGA (IC300) on the PR-320 board

DSC FPGA: Version of the FPGA (IC1) on the DSC-99 board

Operation procedure

The procedure to write data to the PLD (or the ROM for the PLD) is outlined below.

For details on these steps, refer to “Procedure of the PLD Download.” “Procedure of the PLD Download” can be obtained on the same website where the PLD download tool software is downloaded.

1. Prepare the Project file.
2. Relocate the PR-320 and RE-270 boards to the board layout at the time of service.
(Refer to Section 1-11.)
3. Connect the USB port on the PC and the EPR2 connector on the target board with the PLD download tool (cable) with the power of the unit turned off.
4. Turn on the power of the unit.
Run the PLD download tool software and import the Project file.
5. Program the PLD (or the ROM for the PLD) using the PLD download tool software.
6. When the programming is completed successfully without an error message, turn off and on the unit.

1-11. Board Layout at the Time of Service

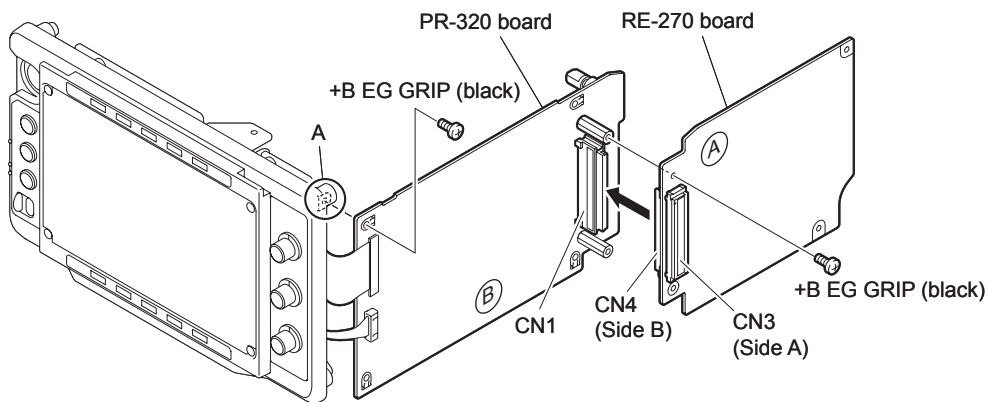
The PR-320 and RE-270 boards can be relocated to a layout that facilitates service work.

1. Remove the cabinet. (Refer to Section 1-3.)
2. Remove the RE-270 board. (Refer to Section 1-4-2.)
3. Remove the PR-320 board. (Refer to Section 1-4-3.)
4. Secure the PR-320 board temporarily by screwing a screw into the screw hole A in the board chassis.
5. Connect the connector CN4 (side B) on the RE-270 board to the connector CN1 on the PR-320 board in the orientation shown in the figure.

Note

Pay attention to the orientation of the RE-270 board so that you do not connect CN3 (side A) on the RE-270 board to CN1 on the PR-320 board.

6. Secure the RE-270 board temporarily with a screw.



Section 2

Diagnostics

This unit has a diagnostic function for internal errors and a circuit for generating internal test signals. This section describes troubleshooting.

2-1. Device Check

This unit has a self-diagnosis function that checks the communication function of each device. Diagnosis results are displayed in “S08 DIAGNOSIS” of the SERVICE menu. (Refer to Section 3-4.)

2-2. Internal Test Signals

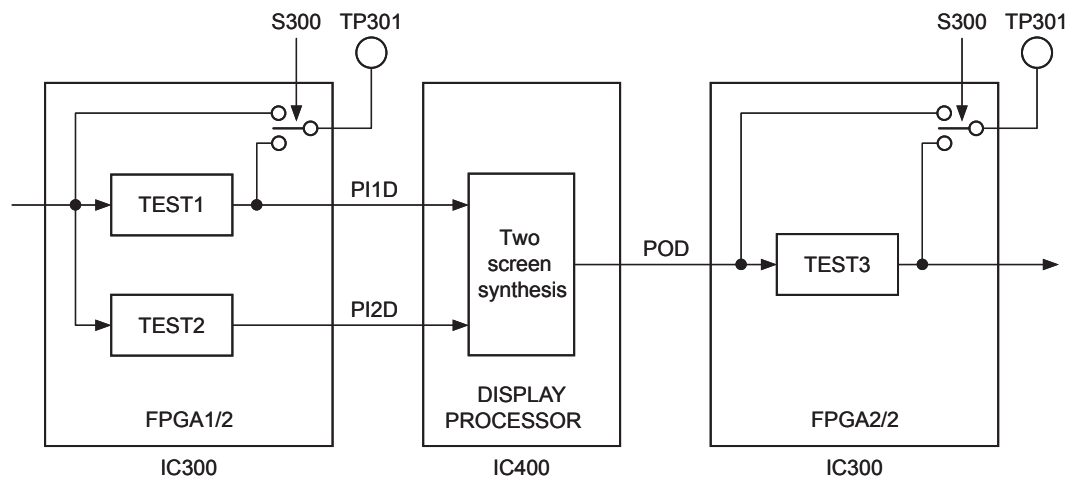
The PR-320 board has an internal test signal generator circuit.

A defective part can be located by outputting internal test signals and observing the waveforms at test pins.

For details, refer to each item.

Outputting internal test signals: Section 3-4

Switching test pin output signals: Section 1-2-1



Section 3

Setting Menu

3-1. Setting Menu

The setting menu is used for selection or adjustment of various setting values.

Setting menu configuration

The setting menu consists of the menus below.

- OPERATION menu
- SERVICE menu

Note

The TOP menu screen is available as another screen that displays the whole configuration of menu items. To display the TOP menu, refer to “3-2. TOP Menu”.

Description of switches

MENU SEL control

This control selects a menu item or changes a setting value.

Turn: Shifts a page or item and changes a setting value.

Press: Determines a page or item and determines a setting value.

MENU switch

This switch displays a setting menu.

The MENU switch is used when canceling the contents of setting in progress and returning to the page selection mode or TOP menu.

BRIGHT control

This control setting is required when entering a TOP menu.

CONTRAST control

This control setting is required when entering a TOP menu.

PEAKING control

This control setting is required when entering a TOP menu.

Basic operations

1. Display the menu.
The OPERATION menu is displayed when you press the MENU switch.
2. Select the menu page.
Turn the MENU SEL control with the “?” mark displayed before the page number (in the page selection mode), display the page you want to select, and press the MEN SEL control.
3. Select the item.
Turn the MENU SEL control with the “→” mark displayed in the setting item of the selected page (in the item selection mode), move the “→” mark to the item to be changed, and press the MENU SEL control.
4. Change the setting value.
Turn the MENU SEL control with the “?” mark displayed in a setting value (in the setting value change mode) and change the setting value.
For a setting value consisting of numeric characters, the numeric value increases when you turn the MENU SEL control clockwise (↻). It decreases when you turn the MENU SEL control counter-clockwise (↺).
The numeric value much changes when you rapidly turn the MENU SEL control. It can be fine-adjusted when you slowly turn the MENU SEL control.
5. Determine the setting value.
Press the MENU SEL control.
The setting value is determined, and the current state is returned to the item selection mode.
Note
When you press the MENU switch before pressing the MENU SEL control, the setting value is returned to the value before change and the current state is returned to the item selection mode.
6. Exit the menu display.
The screen is returned to the item selection mode, page selection mode, and then TOP menu*¹ whenever you press the MENU switch. After that, the menu display disappears when you press the MENU switch.
7. Return the setting value to the factory-setting value.
Press the MENU SEL control for two seconds or more with the “?” mark displayed in the setting value to be returned to the factory setting (in the setting value change mode).

*1: This function is enabled only for operations from the TOP menu. Refer to “3-2. TOP Menu”.

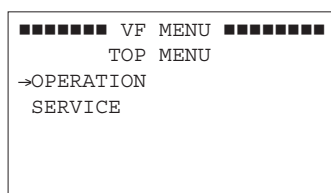
3-2. TOP Menu

The TOP menu is a screen that displays the whole configuration of menu items.

How to display the TOP menu

1. Set the three controls on the front panel as described below.
BRIGHT control: 99 (Fully clockwise (↻))
CONTRAST control: -99 (Fully counterclockwise (↻))
PEAKING control: 100 (Fully clockwise (↻))
2. Press the MENU switch while holding down the MENU SEL control.
The TOP menu is displayed.

TOP MENU screen



Menu item	Description
OPERATION	The setting items required for operation of this unit are summarized.
SERVICE	The items required for maintenance of this unit such as the electrical adjustment, hours meter, or self-diagnosis function of this unit are summarized.

3-3. OPERATION Menu

The setting items required for operation of this unit are summarized in this OPERATION menu.
For more details, refer to the Operation Instructions supplied for this unit.

3-4. SERVICE Menu

The items required for maintenance of this unit such as the electrical adjustment, hours meter, or self-diagnosis function of this unit are summarized in this SERVICE menu.

Note

Other related menu items become disabled and unselectable depending on setting of menu items. For the item that cannot be selected, “— —” is displayed in the setting value.

Page	Menu	Item	Setting (□ is a factory-setting value.)	Function
S01	FUNCTION 2	MAG REL TIME	1 to 5 to 10	Sets the time required until returning from the expanded display to the ordinary display when MAGNIFICATION AUTO RELEASE is set to AUTO (*1).
		SECRET IND	OFF , ON	Turns on and off the hidden indicator. OFF: Invalid ON: Valid
		BL DIMMER	1 to 1023	Backlight PWM setting
S02	TEST	TEST1	OFF , BARS, SAW, RAST, WIN	Sets the internal test signal on the input 1 side before scaling. (*2) OFF: Outputs no test signal. BARS: Outputs a color bars signal. SAW: Outputs the test signal of a sawtooth waveform. RAST: Outputs a rectangular test signal. WIN: Outputs a window test signal.
		COLOR SELECT	W , R, G, B, Y, C, M	Sets the display color during selection of RAST or WIN in TEST1.
		TEST LEVEL	0% to 100% to 109%	Sets the signal level during selection of RAST or WIN in TEST1.
		TEST2	OFF , BARS, SAW, RAST, WIN	Sets the internal test signal on the input 2 side before scaling. (*2) OFF: Outputs no test signal. BARS: Outputs a color bars signal. SAW: Outputs the test signal of a sawtooth waveform. RAST: Outputs a rectangular test signal. WIN: Outputs a window test signal.
		COLOR SELECT	W , R, G, B, Y, C, M	Sets the display color during selection of RAST or WIN in TEST2.
		TEST LEVEL	0% to 100% to 109%	Sets the signal level during selection of RAST or WIN in TEST2.
		TEST3	OFF , BARS, SAW, RAST, WIN	Sets the internal test signal after scaling. (*2) OFF: Outputs no test signal. BARS: Outputs a color bars signal. SAW: Outputs the test signal of a sawtooth waveform. RAST: Outputs a rectangular test signal. WIN: Outputs a window test signal.
		COLOR SELECT	W , R, G, B, Y, C, M	Sets the display color during selection of RAST or WIN in TEST3.
		TEST LEVEL	0% to 100% to 109%	Sets the signal level during selection of RAST or WIN in TEST3.

*1: Refer to AUTO RELEASE of OPERATION MENU 04 MAGNIFICATION.

*2: Necessarily operates in the OFF state when the power is turned on.

(Continued)

Page	Menu	Item	Setting (□ is a factory-setting value.)	Function
S03	WHITE BALANCE	R LUMI, X, Y G LUMI, X, Y B LUMI, X, Y W LUMI, X, Y		Displays and sets R/G/B/W brightness and color temperature adjustment values.
		ADJUST	EXEC	Creates LUT for color temperature adjustment. Press the MENU SEL knob to open the execution screen. (*3)
		TEST	☐ OFF , ON	Displays with LUT created by ADJUST
		GAMMA	(ON, OFF) Only display	When ADJUST is executed, setting values are changed and displayed.
		GAMMA MODE	(MODE1, MODE2, MODE3) Only display	
		BL DIMMER	(1 to 1023) Only display	
S04	GAMMA/KNEE	GAMMA	☐ ON , OFF	Enables or disables color temperature correction. ON: Enabled OFF: Disabled
		KNEE	☐ OFF , ON	Sets a knee correction circuit to ON and OFF. OFF: Invalid ON: Valid
		KNEE POINT	0 to ☐ 211 to 255	Sets a knee point level.
		KNEE SLOPE	1/2, 1/3, ☐ 1/4 , CLIP	Sets a knee slope level.

(Continued)

*3: The current display is shifted to the execution screen below when moving a "→" mark to EXEC and pressing the MENU SEL control. This function is executed when moving the "→" mark to "YES" and pressing the MENU SEL control.

```

■■■■■■ VF MENU ■■■■■■
S10 RESET
EXEC  OK?   YES →NO
MENU RESET :   EXEC

```

Page	Menu	Item	Setting (□ is a factory-setting value.)	Function
S05	PEAKING 1	PEAKING MODE	[STD], PLUS	Select a PEAKING mode. STD: Ordinary mode PLUS: PEAKING PLUS mode
		COLOR/AREA SEL	[COLOR], AREA, BOTH	In the PEAKING mode, select the mode during selection of PLUS. COLOR: Emphasizes the contour of only the selected color. AREA: Emphasizes the contour of only the selected area. BOTH: Emphasizes the contour of only the selected color and area.
		POSITION	[CNT], UPPER, RIGHT, LOWER, LEFT	Select the area to be peaked when AREA or BOTH is selected in COLOR/AREA SEL. CNT: The center is emphasized in contour. UPPER: The upper part is emphasized in contour. RIGHT: The right is emphasized in contour. LOWER: The lower part is emphasized in contour. LEFT: The left is emphasized in contour.
		PEAKING UP	[OFF], ON	Sets a function, which increases the amount of peaking by +6 dB in the PEAKING mode during selection of PLUS, to ON and OFF. OFF: RANGE setting value ON: RANGE setting value +6 dB
		COLOR DETECT	EXEC	Automatic color detection function Note These functions only when COLOR or BOTH is selected. The current display is shifted to the execution screen when moving the cursor to the color of the desired subject and pressing the MENU SEL control. (*3)
		LUMINANCE	0 to [512] to 1023	Sets the center value of the luminance to be peaked.
		HUE	0 to [512] to 1023	Sets the center phase of the hue to be peaked.
		SATURATION	0 to [512] to 1023	Sets the center value of the saturation to be peaked.
		LUMI WIDTH	0 to [1023]	Sets the range of the luminance to be peaked.
		HUE WIDTH	0 to [64] to 127	Sets the range of the hue to be peaked.
		SAT WIDTH	0 to [128] to 255	Sets the range of the saturation to be peaked.

(Continued)

*3: The current display is shifted to the execution screen below when moving a "→" mark to EXEC and pressing the MENU SEL control. This function is executed when moving the "→" mark to "YES" and pressing the MENU SEL control.

```

■■■■■■ VF MENU ■■■■■■
S10 RESET
EXEC  OK?   YES →NO
MENU RESET :   EXEC

```

Page	Menu	Item	Setting (□ is a factory-setting value.)	Function
S06	PEAKING 2	FREQUENCY	L, <u>M</u> , MH, H	Sets the center frequency of a peaking signal.
		RANGE	1 to <u>2</u> to 3	Sets variable peaking amount.
		CRISPENING	0 to <u>12</u> to 63	Sets the level in which a peaking is crispened.
S07	HOURS METER	RESET METER	EXEC	Resets operation time. The current display is shifted to the execution screen when you press the MENU SEL control. (*3)
		OPERATION	Only display	Total power-on time (resettable)
		TOTAL	Only display	Total power-on time
S08	DIAGNOSIS	EEPROM	Only display	Displays the self-diagnosis result of EEPROM (IC902) on the PR-320 board. OK: Normal NG: A problem exists in communication or saved data.
		SCALER	Only display	Displays the self-diagnosis result of an image processing IC (IC400) on the PR-320 board. OK: Normal NG: A problem exists in communication.
		PR FPGA	Only display	Displays the self-diagnosis result of FPGA (IC300) on the PR-320 board. OK: Normal NG: A problem exists in communication.
		DSC FPGA	Only display	Displays the self-diagnosis result of FPGA (IC1) on the DSC-99 board. OK: Normal NG: A problem exists in communication.
		CLOCK	Only display	Displays the self-diagnosis result of a clock generation circuit (IC604) on the PR-320 board. OK: Normal NG: A problem exists in communication.
		LPF	Only display	Displays the self-diagnosis result of a LPF (IC414) on the RE-270H board. OK: Normal NG: A problem exists in communication.
		ADC	Only display	Displays the self-diagnosis result of ADC (IC250) on the PR-320 board. OK: Normal NG: A problem exists in communication.
		TEMP	Only display	Displays the self-diagnosis result of a temperature sensor (IC905) on the PR-320 board. OK: Normal NG: A problem exists in communication.

(Continued)

*3: The current display is shifted to the execution screen below when moving a “→” mark to EXEC and pressing the MENU SEL control. This function is executed when moving the “→” mark to “YES” and pressing the MENU SEL control.

```

■■■■■■ VF MENU ■■■■■■
S10 RESET
EXEC  OK?   YES →NO
MENU RESET :   EXEC

```

Page	Menu	Item	Setting (□ is a factory-setting value.)	Function
S09	VERSION	SOFTWARE	Only display	Displays the software version of IC800 on the PR-320 board.
		PR FPGA	Only display	Displays the FPGA version of IC300 on the PR-320 board.
		DSC FPGA	Only display	Displays the FPGA version of IC1 on the DSC-99 board.
S10	RESET	MENU RESET	EXEC	Returns the setting values in a menu to the factory-setting values. (*4) The current display is shifted to the execution screen when you press the MENU SEL control. (*3)

*3: The current display is shifted to the execution screen below when moving a "→" mark to EXEC and pressing the MENU SEL control. This function is executed when moving the "→" mark to "YES" and pressing the MENU SEL control.

```

■■■■■■ VF MENU ■■■■■■
S10 RESET
EXEC  OK?   YES →NO
MENU RESET :   EXEC

```

*4: The items on page S03 in the SERVICE menu is adjusted during factory setting. This is not reset even if MENU RESET is executed. For the adjustment, refer to "Section 4 Electrical Alignment".

Section 4

Electrical Alignment

Notes

- This unit is adjusted during factory setting. Adjustment values are saved in IC902 on the PR-320 board. Perform color temperature adjustment when replacing a LCD module, a PR-320 board, or IC902. (Refer to Section 4-2.)
- The items set in a menu may be in common with those in another menu. However, be sure to use items on the specified page in the specified menu.

4-1. Preparation

4-1-1. Setting of Switches, Volume Controls, and Menus

Note

Set the switches, volume controls, and menus used for adjustment in this section as described below unless otherwise specified.

- ① POWER switch: ON
- ② BRIGHT volume control: 0 (Center)
- ③ CONTRAST volume control: 0 (Center)
- ④ PEAKING volume control: 0 (Fully counterclockwise (↺))
- ⑤ MENU: OPERATION
PAGE: 01 FUNCTION
ITEM: KNEE → OFF
MONOCHROME → OFF
CHROMA → 0
MATRIX → OFF
- ⑥ MENU: OPERATION
PAGE: 03 PEAKING
ITEM: PEAKING MODE → STD
- ⑦ MENU: OPERATION
PAGE: 04 MAGNIFICATION
ITEM: MAGNIFICATION → OFF
- ⑧ MENU: OPERATION
PAGE: 05 PRESET
ITEM: PRESET → OFF

4-1-2. Required Equipment

Measuring equipment

- Display color analyzer: Konica Minolta sensing CA-210 or the equivalent

Related equipment

- Camera: DXC-D50/D50WS, DSR-400/450WS or the equivalent

4-2. Color Temperature Adjustment

Notes

- Color temperature adjustment is not usually required because it was made in the factory shipping process.
- Apply an electric current for about 30 minutes and make this adjustment after luminance is stabilized.

1. Open the S03 WHITE BALANCE page of the SERVICE menu.

VF MENU			
S03 WHITE BALANCE			
	LUMI	X	Y
R:	XXXX	XXXX	XXXX
G:	XXXX	XXXX	XXXX
B:	XXXX	XXXX	XXXX
W:	XXXX	XXXX	XXXX
ADJUST	:	EXEC	
TEST	:	OFF	

2. Select R: LUMI and enter the value measured with the analyzer.
3. Select R: X and enter the value measured with the analyzer.
4. Select R: Y and enter the value measured with the analyzer.
5. For colors G, B, and W, enter the measured values (LUMI, X, and Y) in the same way.
6. Select ADJUST : EXEC and select “YES” on the execution confirmation screen.
7. Select TEST : ON and check that the color temperatures meet the specifications.

Measuring equipment: Display color analyzer

Measurement point: Center of screen

Specifications: $x = 0.313 \pm 0.01$

$y = 0.329 \pm 0.01$

Section 5

Spare Parts

5-1. 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.

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.

5-1. 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。

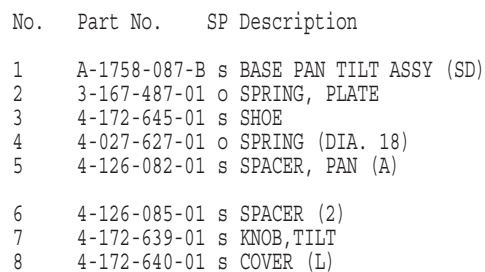
3. 部品の在庫

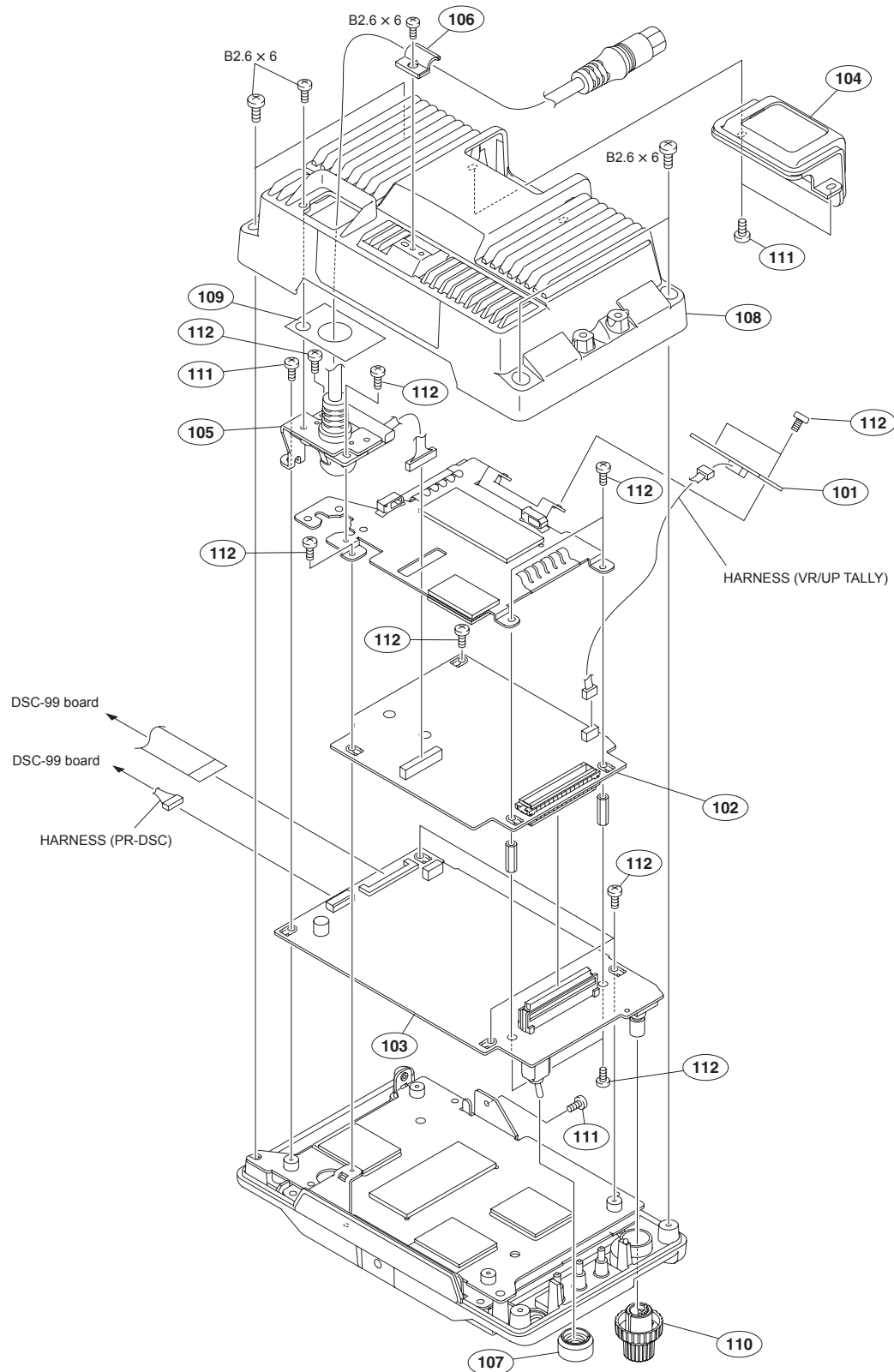
部品表の SP (Supply code) 欄に “o” で示される部品は在庫していないことがあり、納期が長くなることがあります。

4. ハーネス

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

5-2. Exploded Views

DXF-C50W



No. Part No. SP Description

101 A-1764-640-A s MOUNTED CIRCUIT BOARD, LE-364
 102 A-1764-646-A s MOUNTED CIRCUIT BOARD, RE-270
 103 A-1764-649-A s MOUNTED CIRCUIT BOARD, PR-320
 104 X-2547-104-1 s COVER ASSY, TALLY
 105 1-837-864-11 s CORD, CONNECTION (DXF)

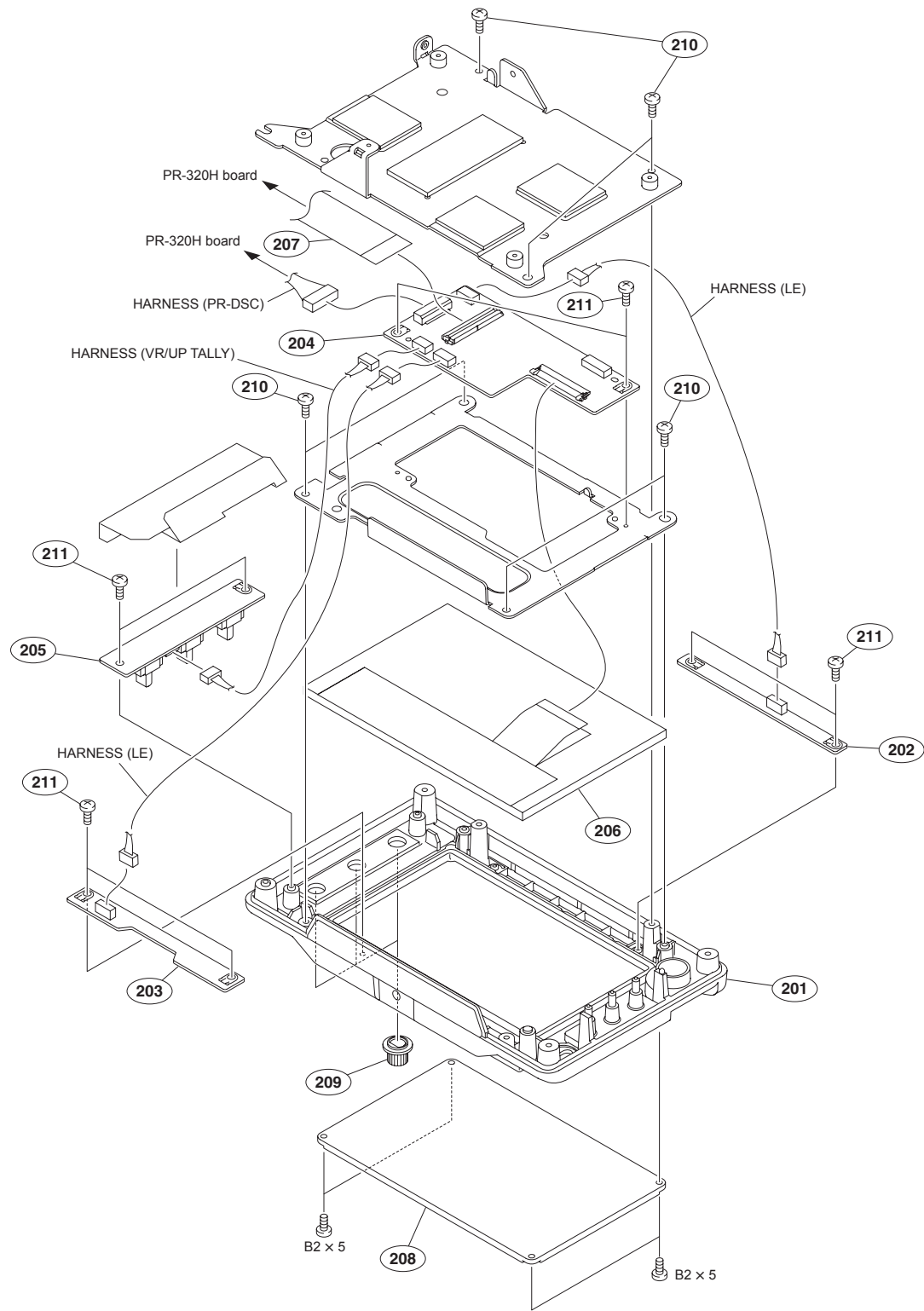
106 4-197-161-01 s HOLDER, CABLE
 107 3-870-137-02 s CAP, DROP PROTECTION
 108 4-172-651-01 s CASE, REAR

No. Part No. SP Description

109 4-174-652-02 s SHEET,VF
 110 4-183-519-01 s KNOB(B),RE
 111 4-644-493-11 s ACE (M2.6), LOCK (Silver)
 112 4-672-834-61 s SCREW, +B EG GRIP (Black)

7-621-773-95 s SCREW +B 2.6X6

LCD Module



No.	Part No.	SP Description
201	A-1764-264-A s	BEZEL ASSY
202	A-1764-641-A s	MOUNTED CIRCUIT BOARD, LE-365
203	A-1764-642-A s	MOUNTED CIRCUIT BOARD, LE-366
204	A-1764-648-A s	MOUNTED CIRCUIT BOARD, DSC-99
205	A-1764-644-A s	MOUNTED CIRCUIT BOARD, VR-332

No.	Part No.	SP Description
206	1-811-154-11 s	LCD MODULE (AA050MC02)
207	1-831-086-11 s	CABLE, FLEXIBLE FLAT (50 CORE)
208	4-174-650-02 s	MASK, LCD
209	4-174-655-01 s	KNOB, VOLUME
210	4-644-493-11 s	ACE (M2.6), LOCK
211	4-672-834-61 s	SCREW, +B EG GRIP (Black)
	7-621-772-20 s	SCREW +B 2X5

5-3. Electrical Parts List

DSC-99 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1764-648-A	s MOUNTED CIRCUIT BOARD, DSC-99
C1	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C2	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C3	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C4	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C5	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C6	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C7	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C8	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C9	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C10	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C11	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C12	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C13	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C14	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C15	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C16	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C17	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C18	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C21	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C22	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C23	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C24	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C25	1-164-874-81	s CAP,CHIP CERAMIC 100PF CH 1005
C26	1-164-874-81	s CAP,CHIP CERAMIC 100PF CH 1005
C27	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C28	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C29	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C30	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C31	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C32	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C33	1-112-691-11	s CAP, CERAMIC 22MF R 3225
C34	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C35	1-112-691-11	s CAP, CERAMIC 22MF R 3225
C36	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C37	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C38	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C39	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C40	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C41	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C42	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C43	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C44	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C45	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C46	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C47	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C48	1-112-691-11	s CAP, CERAMIC 22MF R 3225
C49	1-112-691-11	s CAP, CERAMIC 22MF R 3225
C50	1-114-130-11	s CAP, CERAMIC 1MF X6S 1005
C51	1-114-130-11	s CAP, CERAMIC 1MF X6S 1005
C52	1-114-130-11	s CAP, CERAMIC 1MF X6S 1005
C53	1-114-130-11	s CAP, CERAMIC 1MF X6S 1005
C54	1-114-331-11	s CAP, CERAMIC 4.7MF X7R 2012
C55	1-112-691-11	s CAP, CERAMIC 22MF R 3225
C56	1-112-691-11	s CAP, CERAMIC 22MF R 3225
C57	1-112-691-11	s CAP, CERAMIC 22MF R 3225
C58	1-112-691-11	s CAP, CERAMIC 22MF R 3225
C59	1-114-130-11	s CAP, CERAMIC 1MF X6S 1005

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Ref. No. or Q'ty	Part No.	SP Description
C60	1-114-130-11	s CAP, CERAMIC 1MF X6S 1005
C61	1-114-130-11	s CAP, CERAMIC 1MF X6S 1005
C62	1-114-130-11	s CAP, CERAMIC 1MF X6S 1005
C63	1-114-331-11	s CAP, CERAMIC 4.7MF X7R 2012
C64	1-112-691-11	s CAP, CERAMIC 22MF R 3225
C65	1-112-691-11	s CAP, CERAMIC 22MF R 3225
C66	1-114-130-11	s CAP, CERAMIC 1MF X6S 1005
C67	1-114-130-11	s CAP, CERAMIC 1MF X6S 1005
C68	1-114-130-11	s CAP, CERAMIC 1MF X6S 1005
C69	1-114-130-11	s CAP, CERAMIC 1MF X6S 1005
C70	1-114-331-11	s CAP, CERAMIC 4.7MF X7R 2012
C71	1-112-691-11	s CAP, CERAMIC 22MF R 3225
C72	1-112-691-11	s CAP, CERAMIC 22MF R 3225
C73	1-114-130-11	s CAP, CERAMIC 1MF X6S 1005
C74	1-114-130-11	s CAP, CERAMIC 1MF X6S 1005
C75	1-114-130-11	s CAP, CERAMIC 1MF X6S 1005
C76	1-114-130-11	s CAP, CERAMIC 1MF X6S 1005
C77	1-114-331-11	s CAP, CERAMIC 4.7MF X7R 2012
C78	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C79	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C80	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C81	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C82	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C83	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C84	1-112-691-11	s CAP, CERAMIC 22MF R 3225
C85	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C86	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C87	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C88	1-164-850-81	s CAP, CHIP CERAMIC 10PF CH 1005
CN1	1-778-451-31	s CONNECTOR, FFC/FPC(ZIF) AN 50P
CN2	1-784-086-21	o PIN, CONNECTOR (PC BOARD) 15P
CN3	1-822-082-61	s CONNECTOR, FFC/FPC (ZIF)AN 45P
CN4	1-770-622-21	s PIN, CONNECTOR 5P
CN5	1-770-627-21	s PIN, CONNECTOR 10P
CN6	1-770-623-21	s PIN, CONNECTOR 6P
CN7	1-770-623-21	s PIN, CONNECTOR 6P
D1	8-719-083-57	s DI UDZSUSTE-173.6B
D2	8-719-083-57	s DI UDZSUSTE-173.6B
D3	8-719-083-57	s DI UDZSUSTE-173.6B
D4	8-719-083-57	s DI UDZSUSTE-173.6B
D5	8-719-083-57	s DI UDZSUSTE-173.6B
D6	8-719-083-57	s DI UDZSUSTE-173.6B
D7	8-719-083-57	s DI UDZSUSTE-173.6B
D8	8-719-083-57	s DI UDZSUSTE-173.6B
E1	1-535-757-21	s CHIP, CHECKER
E2	1-535-757-21	s CHIP, CHECKER
E3	1-535-757-21	s CHIP, CHECKER
E4	1-694-974-21	s CONTACT TERMINAL
FB1	1-414-864-21	s FERRITE, EMI (SMD) (1608)
IC2	6-713-013-01	s IC IS42S16100E-7TL-TR
IC3	6-713-829-01	s IC EPCS4SI8N(11)
L1	1-469-555-21	s INDUCTOR, CHIP 10UH (LB2016)
L2	1-469-555-21	s INDUCTOR, CHIP 10UH (LB2016)
L4	1-414-394-41	s INDUCTOR (SMD) 2.2UH
L5	1-469-555-21	s INDUCTOR, CHIP 10UH (LB2016)
L6	1-469-555-21	s INDUCTOR, CHIP 10UH (LB2016)

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Ref. No. or Q'ty	Part No.	SP Description
L7	1-414-394-41 s	INDUCTOR (SMD) 2.2UH
L8	1-419-630-21 s	COIL, CHOKE 4.7UH
L9	1-414-394-41 s	INDUCTOR (SMD) 2.2UH
L10	1-414-394-41 s	INDUCTOR (SMD) 2.2UH
L11	1-414-844-21 s	INDUCTOR, CHIP 22NH (1005)
L12	1-469-555-21 s	INDUCTOR, CHIP 10UH (LB2016)
Q1	8-729-928-28 s	TRANSISTOR DTA144EE-TL
R1	1-220-878-81 s	RES, CHIP 22 (1005)
R2	1-220-878-81 s	RES, CHIP 22 (1005)
R3	1-220-878-81 s	RES, CHIP 22 (1005)
R4	1-220-878-81 s	RES, CHIP 22 (1005)
R5	1-220-878-81 s	RES, CHIP 22 (1005)
R6	1-220-878-81 s	RES, CHIP 22 (1005)
R7	1-220-878-81 s	RES, CHIP 22 (1005)
R8	1-220-878-81 s	RES, CHIP 22 (1005)
R9	1-220-878-81 s	RES, CHIP 22 (1005)
R10	1-220-878-81 s	RES, CHIP 22 (1005)
R11	1-220-878-81 s	RES, CHIP 22 (1005)
R12	1-220-878-81 s	RES, CHIP 22 (1005)
R13	1-220-878-81 s	RES, CHIP 22 (1005)
R14	1-220-878-81 s	RES, CHIP 22 (1005)
R15	1-220-878-81 s	RES, CHIP 22 (1005)
R16	1-220-878-81 s	RES, CHIP 22 (1005)
R17	1-220-878-81 s	RES, CHIP 22 (1005)
R18	1-220-878-81 s	RES, CHIP 22 (1005)
R19	1-220-878-81 s	RES, CHIP 22 (1005)
R20	1-220-878-81 s	RES, CHIP 22 (1005)
R21	1-220-878-81 s	RES, CHIP 22 (1005)
R22	1-220-878-81 s	RES, CHIP 22 (1005)
R23	1-220-878-81 s	RES, CHIP 22 (1005)
R24	1-220-878-81 s	RES, CHIP 22 (1005)
R25	1-220-878-81 s	RES, CHIP 22 (1005)
R26	1-220-878-81 s	RES, CHIP 22 (1005)
R27	1-220-878-81 s	RES, CHIP 22 (1005)
R28	1-220-878-81 s	RES, CHIP 22 (1005)
R29	1-220-878-81 s	RES, CHIP 22 (1005)
R30	1-220-878-81 s	RES, CHIP 22 (1005)
R31	1-220-878-81 s	RES, CHIP 22 (1005)
R32	1-220-878-81 s	RES, CHIP 22 (1005)
R33	1-220-878-81 s	RES, CHIP 22 (1005)
R34	1-220-878-81 s	RES, CHIP 22 (1005)
R35	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R36	1-220-870-81 s	RES, CHIP 10 (1005)
R37	1-208-935-81 s	RES, CHIP 100K (1005)
R38	1-208-887-81 s	RES, CHIP 1.0K (1005)
R39	1-208-935-81 s	RES, CHIP 100K (1005)
R40	1-208-887-81 s	RES, CHIP 1.0K (1005)
R41	1-208-863-81 s	RES, CHIP 100 (1005)
R42	1-208-863-81 s	RES, CHIP 100 (1005)
R43	1-208-863-81 s	RES, CHIP 100 (1005)
R44	1-208-863-81 s	RES, CHIP 100 (1005)
R45	1-208-855-81 s	RES, CHIP 47 (1005)
R46	1-208-863-81 s	RES, CHIP 100 (1005)
R47	1-208-863-81 s	RES, CHIP 100 (1005)
R48	1-208-911-81 s	RES, CHIP 10K (1005)
R50	1-208-911-81 s	RES, CHIP 10K (1005)
R51	1-208-911-81 s	RES, CHIP 10K (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R52	1-208-911-81 s	RES, CHIP 10K (1005)
R53	1-208-911-81 s	RES, CHIP 10K (1005)
R54	1-208-911-81 s	RES, CHIP 10K (1005)
R55	1-208-911-81 s	RES, CHIP 10K (1005)
R56	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R57	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R58	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R59	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R60	1-208-911-81 s	RES, CHIP 10K (1005)
R61	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R62	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R63	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R64	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R66	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R67	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R70	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R71	1-220-882-81 s	RES, CHIP 33 (1005)
R101	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R103	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R104	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R106	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R107	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R109	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R110	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R112	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R113	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R115	1-218-990-81 s	CONDUCTOR, CHIP (1005)
RB1	1-242-963-21 s	RES, NETWORK 33 (1005X4)
RB2	1-242-963-21 s	RES, NETWORK 33 (1005X4)
RB3	1-242-963-21 s	RES, NETWORK 33 (1005X4)
RB5	1-242-963-21 s	RES, NETWORK 33 (1005X4)
RB6	1-242-963-21 s	RES, NETWORK 33 (1005X4)
RB7	1-242-963-21 s	RES, NETWORK 33 (1005X4)
RB8	1-242-963-21 s	RES, NETWORK 33 (1005X4)
RB9	1-242-963-21 s	RES, NETWORK 33 (1005X4)
RB10	1-234-370-21 s	RES, NETWORK 22 (1005X4)
RB11	1-234-370-21 s	RES, NETWORK 22 (1005X4)
RB12	1-234-370-21 s	RES, NETWORK 22 (1005X4)
RB13	1-234-370-21 s	RES, NETWORK 22 (1005X4)
RB14	1-242-963-21 s	RES, NETWORK 33 (1005X4)
RB15	1-242-963-21 s	RES, NETWORK 33 (1005X4)
RB16	1-242-963-21 s	RES, NETWORK 33 (1005X4)
RB17	1-242-963-21 s	RES, NETWORK 33 (1005X4)
RB18	1-242-963-21 s	RES, NETWORK 33 (1005X4)
RB19	1-242-963-21 s	RES, NETWORK 33 (1005X4)
RB20	1-242-963-21 s	RES, NETWORK 33 (1005X4)

LE-364 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1764-640-A	s MOUNTED CIRCUIT BOARD, LE-364
C1	1-135-960-91	s CAP, CHIP CERAMIC 10MF B(3225)
C2	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
CN1	1-770-622-21	s PIN, CONNECTOR 5P
D1	6-502-598-01	s DI SML-D12U8WT86
D2	6-502-598-01	s DI SML-D12U8WT86
D3	6-502-598-01	s DI SML-D12U8WT86
D4	6-502-598-01	s DI SML-D12U8WT86
D5	6-502-598-01	s DI SML-D12U8WT86
D6	6-502-598-01	s DI SML-D12U8WT86
Q1	8-729-928-05	s TRANSISTOR 2SC4617TL-QR
Q2	8-729-928-82	s TRANSISTOR DTC144EE-TL
Q3	8-729-928-25	s TRANSISTOR 2SA1774TL-QR
Q4	6-550-632-01	s TRANSISTOR 2SC4672-T100-Q
Q5	6-550-632-01	s TRANSISTOR 2SC4672-T100-Q
R1	1-218-602-91	s RES, METAL FILM (CHIP) 1
R2	1-208-911-81	s RES, CHIP 10K (1005)
R3	1-208-911-81	s RES, CHIP 10K (1005)
R4	1-208-891-81	s RES, CHIP 1.5K (1005)
R5	1-208-911-81	s RES, CHIP 10K (1005)
R6	1-208-891-81	s RES, CHIP 1.5K (1005)
R7	1-208-895-81	s RES, CHIP 2.2K (1005)
R8	1-208-859-81	s RES, CHIP 68 (1005)
R9	1-208-859-81	s RES, CHIP 68 (1005)

LE-365 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1764-641-A	s MOUNTED CIRCUIT BOARD, LE-365
C1	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
CN1	1-785-125-21	s CONNECTOR 6P
D1	6-502-195-01	s DI SML-D12D8WT86SQ
D2	6-502-598-01	s DI SML-D12U8WT86
D3	6-501-358-01	s DIODE CL-197HG5-CD-T
D4	6-502-598-01	s DI SML-D12U8WT86
D5	6-502-598-01	s DI SML-D12U8WT86
D6	6-502-195-01	s DI SML-D12D8WT86SQ
D7	6-502-598-01	s DI SML-D12U8WT86
D8	6-501-358-01	s DIODE CL-197HG5-CD-T
D9	6-502-598-01	s DI SML-D12U8WT86
D10	6-502-598-01	s DI SML-D12U8WT86

LE-366 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1764-642-A	s MOUNTED CIRCUIT BOARD, LE-366
C1	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
CN1	1-785-125-21	s CONNECTOR 6P
D1	6-502-195-01	s DI SML-D12D8WT86SQ
D2	6-502-598-01	s DI SML-D12U8WT86
D3	6-501-358-01	s DIODE CL-197HG5-CD-T
D4	6-502-598-01	s DI SML-D12U8WT86
D5	6-502-196-01	s DI SML-D12Y8WT86SP
D6	6-502-195-01	s DI SML-D12D8WT86SQ
D7	6-502-598-01	s DI SML-D12U8WT86
D8	6-501-358-01	s DIODE CL-197HG5-CD-T
D9	6-502-598-01	s DI SML-D12U8WT86
D10	6-502-196-01	s DI SML-D12Y8WT86SP

PR-320 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1764-649-A	s MOUNTED CIRCUIT BOARD, PR-320
C250	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C251	1-112-691-11	s CAP, CERAMIC 22MF R 3225
C252	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C253	1-112-691-11	s CAP, CERAMIC 22MF R 3225
C254	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C255	1-112-691-11	s CAP, CERAMIC 22MF R 3225
C256	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C257	1-100-421-21	s CAP, ELECT 220MF (6.3X5.9)
C258	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C259	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C260	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C263	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C264	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C265	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C266	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C267	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C268	1-112-777-11	s CAP, CERAMIC 0.01MF X7R 1005
C269	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C270	1-112-692-81	s CAP,CHIP CERAMIC1000PF CH 1005
C271	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C272	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C273	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C274	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C275	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C276	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C277	1-112-777-11	s CAP, CERAMIC 0.01MF X7R 1005
C278	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C279	1-100-909-11	s CAP, CERAMIC 10MF X6S 2012
C280	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C281	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C282	1-100-909-11	s CAP, CERAMIC 10MF X6S 2012
C283	1-112-777-11	s CAP, CERAMIC 0.01MF X7R 1005
C284	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C285	1-100-909-11	s CAP, CERAMIC 10MF X6S 2012
C286	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C287	1-164-845-81	s CAP, CHIP CERAMIC 5PF CH 1005
C288	1-164-846-81	s CAP, CHIP CERAMIC 6PF CH 1005
C289	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C290	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C291	1-100-909-11	s CAP, CERAMIC 10MF X6S 2012
C292	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C294	1-164-845-81	s CAP, CHIP CERAMIC 5PF CH 1005
C295	1-164-846-81	s CAP, CHIP CERAMIC 6PF CH 1005
C300	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C301	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C302	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C303	1-112-691-11	s CAP, CERAMIC 22MF R 3225
C304	1-112-691-11	s CAP, CERAMIC 22MF R 3225
C305	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C306	1-112-691-11	s CAP, CERAMIC 22MF R 3225
C307	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C308	1-112-691-11	s CAP, CERAMIC 22MF R 3225
C309	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C310	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C311	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C312	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C313	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005

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Ref. No. or Q'ty	Part No.	SP Description
C314	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C315	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C316	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C317	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C318	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C319	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C320	1-112-691-11	s CAP, CERAMIC 22MF R 3225
C321	1-112-691-11	s CAP, CERAMIC 22MF R 3225
C322	1-112-691-11	s CAP, CERAMIC 22MF R 3225
C323	1-112-691-11	s CAP, CERAMIC 22MF R 3225
C324	1-112-691-11	s CAP, CERAMIC 22MF R 3225
C325	1-112-691-11	s CAP, CERAMIC 22MF R 3225
C326	1-112-691-11	s CAP, CERAMIC 22MF R 3225
C327	1-112-691-11	s CAP, CERAMIC 22MF R 3225
C328	1-112-691-11	s CAP, CERAMIC 22MF R 3225
C329	1-112-691-11	s CAP, CERAMIC 22MF R 3225
C330	1-112-691-11	s CAP, CERAMIC 22MF R 3225
C331	1-112-691-11	s CAP, CERAMIC 22MF R 3225
C332	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C333	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C334	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C335	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C336	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C337	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C338	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C339	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C340	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C341	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C342	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C343	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C344	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C345	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C346	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C347	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C348	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C349	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C350	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C351	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C352	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C353	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C354	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C355	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C356	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C357	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C358	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C359	1-112-691-11	s CAP, CERAMIC 22MF R 3225
C360	1-112-691-11	s CAP, CERAMIC 22MF R 3225
C361	1-112-691-11	s CAP, CERAMIC 22MF R 3225
C362	1-112-691-11	s CAP, CERAMIC 22MF R 3225
C363	1-114-130-11	s CAP, CERAMIC 1MF X6S 1005
C364	1-114-130-11	s CAP, CERAMIC 1MF X6S 1005
C365	1-114-130-11	s CAP, CERAMIC 1MF X6S 1005
C366	1-114-130-11	s CAP, CERAMIC 1MF X6S 1005
C367	1-114-331-11	s CAP, CERAMIC 4.7MF X7R 2012
C368	1-164-850-81	s CAP, CHIP CERAMIC 10PF CH 1005
C401	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C402	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C431	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C432	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005

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Ref. No. or Q'ty	Part No.	SP	Description
C724	1-112-691-11	s	CAP, CERAMIC 22MF R 3225
C725	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C726	1-112-691-11	s	CAP, CERAMIC 22MF R 3225
C727	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C728	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C801	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C802	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C803	1-114-130-11	s	CAP, CERAMIC 1MF X6S 1005
C804	1-114-130-11	s	CAP, CERAMIC 1MF X6S 1005
C805	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C806	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C807	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C808	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C809	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C810	1-116-346-11	s	CAP, ELECT 47MF 105
C811	1-116-346-11	s	CAP, ELECT 47MF 105
C812	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C813	1-114-214-81	s	CAP, CHIP CERAMIC4700PF CH1005
C814	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C815	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C817	1-114-130-11	s	CAP, CERAMIC 1MF X6S 1005
C818	1-112-777-11	s	CAP, CERAMIC 0.01MF X7R 1005
C819	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C820	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C821	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C823	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C824	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C825	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C826	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C827	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C828	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C829	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C830	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C831	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C832	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C833	1-112-691-11	s	CAP, CERAMIC 22MF R 3225
C838	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C839	1-116-346-11	s	CAP, ELECT 47MF 105
C840	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C841	1-112-691-11	s	CAP, CERAMIC 22MF R 3225
C842	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C843	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C844	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C845	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C846	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C847	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C848	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C849	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C850	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C851	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C852	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C853	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C854	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C855	1-112-777-11	s	CAP, CERAMIC 0.01MF X7R 1005
C856	1-112-777-11	s	CAP, CERAMIC 0.01MF X7R 1005
C857	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C902	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C903	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C906	1-112-692-81	s	CAP, CHIP CERAMIC1000PF CH 1005

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Ref. No. or Q'ty	Part No.	SP	Description
C907	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C908	1-114-415-21	s	CAP, ELECT 100MF (5X5.9)
C909	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C918	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
CN2	1-816-126-61	s	CONNECTOR, FFC/FPC
CN3	1-784-086-21	o	PIN, CONNECTOR (PC BOARD) 15P
CN5	1-784-254-21	s	CONNECTOR 10P
CN6	1-573-290-21	s	PIN, CONNECTOR (1.5MM) (SMD) 4P
D300	8-719-083-57	s	DI UDZSUSTE-173.6B
D301	8-719-083-57	s	DI UDZSUSTE-173.6B
D302	8-719-083-57	s	DI UDZSUSTE-173.6B
D303	8-719-083-57	s	DI UDZSUSTE-173.6B
D304	8-719-083-57	s	DI UDZSUSTE-173.6B
D305	8-719-083-57	s	DI UDZSUSTE-173.6B
D306	8-719-083-57	s	DI UDZSUSTE-173.6B
D307	8-719-083-57	s	DI UDZSUSTE-173.6B
D308	6-502-196-01	s	DI SML-D12Y8WT86SP
D309	6-502-196-01	s	DI SML-D12Y8WT86SP
D310	6-502-196-01	s	DI SML-D12Y8WT86SP
D311	6-502-196-01	s	DI SML-D12Y8WT86SP
D312	6-502-196-01	s	DI SML-D12Y8WT86SP
D313	6-502-196-01	s	DI SML-D12Y8WT86SP
D314	6-502-196-01	s	DI SML-D12Y8WT86SP
D315	6-502-196-01	s	DI SML-D12Y8WT86SP
D609	8-719-069-28	s	DI 1SS400FJTE61
D610	8-719-069-28	s	DI 1SS400FJTE61
D801	8-719-069-55	s	DI UDZSUSTE-175.6B
D802	8-719-069-55	s	DI UDZSUSTE-175.6B
E250	1-535-757-21	s	CHIP, CHECKER
E251	1-535-757-21	s	CHIP, CHECKER
E252	1-694-974-21	s	CONTACT TERMINAL
EN800	1-487-191-11	s	ENCODER, ROTARY
FB250	1-414-864-21	s	FERRITE, EMI (SMD) (1608)
FB251	1-414-864-21	s	FERRITE, EMI (SMD) (1608)
FB305	1-414-864-21	s	FERRITE, EMI (SMD) (1608)
FB306	1-400-832-21	s	SMD EMI FERRITE
FB307	1-414-864-21	s	FERRITE, EMI (SMD) (1608)
FB308	1-414-864-21	s	FERRITE, EMI (SMD) (1608)
FB309	1-414-864-21	s	FERRITE, EMI (SMD) (1608)
FB310	1-414-864-21	s	FERRITE, EMI (SMD) (1608)
FB311	1-414-864-21	s	FERRITE, EMI (SMD) (1608)
FB312	1-414-864-21	s	FERRITE, EMI (SMD) (1608)
FB313	1-414-864-21	s	FERRITE, EMI (SMD) (1608)
FB314	1-414-864-21	s	FERRITE, EMI (SMD) (1608)
FB600	1-414-864-21	s	FERRITE, EMI (SMD) (1608)
IC250	6-708-816-01	s	IC ADV7403BSTZ-110
IC302	6-713-821-01	s	IC EPCS16SI8N (AMK)
IC401	6-714-435-01	s	IC EDD1232ACBH-5B-F
IC402	6-707-035-01	s	IC LP2996MRX
IC604	6-706-771-01	s	IC CY22395FZXC-T1
IC607	8-759-330-14	s	IC TL7700CPS-E20
IC800	6-703-421-01	s	IC HD64F7145F50
IC801	6-704-832-01	s	IC IS61LV6416-10TLT
IC802	8-759-592-49	s	IC TC7SZ125FU (TE85R)
IC803	8-759-592-49	s	IC TC7SZ125FU (TE85R)
IC804	6-707-183-01	s	IC MB90098APF-G-168-ERE1
IC806	8-759-592-47	s	IC TC7SZ08FU (TE85R)

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Ref. No. or Q'ty	Part No.	SP	Description
IC807	8-759-592-47	s	IC TC7SZ08FU (TE85R)
IC808	8-759-592-47	s	IC TC7SZ08FU (TE85R)
IC809	6-706-478-01	s	IC TC7SET08FU (T5RSOJF)
IC810	8-759-672-76	s	IC AK9813BF-E2
IC812	6-707-870-01	s	IC TC74VHC157FT (EKJ)
IC813	6-707-868-01	s	IC TC74VHC138FT (EKJ)
IC814	8-759-656-54	s	IC TC7WH14FK (TE85R)
IC901	6-710-018-01	s	IC CAT24C02WI-GT3
IC902	6-712-526-01	s	IC CAT24C32WI-GT3 (E)
IC903	6-709-250-01	s	IC PCA9516APW-118
IC904	6-702-319-01	s	IC TC7WZ04FK (TE85R)
IC905	6-711-915-01	s	IC LM73CIMK-0
L250	1-469-551-21	s	INDUCTOR, CHIP 2.2UH (LB2016)
L251	1-469-551-21	s	INDUCTOR, CHIP 2.2UH (LB2016)
L252	1-469-551-21	s	INDUCTOR, CHIP 2.2UH (LB2016)
L253	1-469-551-21	s	INDUCTOR, CHIP 2.2UH (LB2016)
L300	1-469-555-21	s	INDUCTOR, CHIP 10UH (LB2016)
L301	1-469-555-21	s	INDUCTOR, CHIP 10UH (LB2016)
L302	1-414-398-41	s	INDUCTOR (SMD) 10.0UH
L303	1-469-551-21	s	INDUCTOR, CHIP 2.2UH (LB2016)
L304	1-469-551-21	s	INDUCTOR, CHIP 2.2UH (LB2016)
L305	1-469-555-21	s	INDUCTOR, CHIP 10UH (LB2016)
L306	1-469-555-21	s	INDUCTOR, CHIP 10UH (LB2016)
L307	1-469-555-21	s	INDUCTOR, CHIP 10UH (LB2016)
L308	1-469-555-21	s	INDUCTOR, CHIP 10UH (LB2016)
L309	1-469-555-21	s	INDUCTOR, CHIP 10UH (LB2016)
L310	1-469-555-21	s	INDUCTOR, CHIP 10UH (LB2016)
L311	1-469-555-21	s	INDUCTOR, CHIP 10UH (LB2016)
L312	1-469-555-21	s	INDUCTOR, CHIP 10UH (LB2016)
L313	1-419-630-21	s	COIL, CHOKE 4.7UH
L314	1-414-844-21	s	INDUCTOR, CHIP 22NH (1005)
L400	1-416-344-21	s	COIL, CHOKE 10UH
L501	1-419-630-21	s	COIL, CHOKE 4.7UH
L502	1-414-394-41	s	INDUCTOR (SMD) 2.2UH
L503	1-414-394-41	s	INDUCTOR (SMD) 2.2UH
L600	1-469-555-21	s	INDUCTOR, CHIP 10UH (LB2016)
L601	1-469-555-21	s	INDUCTOR, CHIP 10UH (LB2016)
L800	1-469-555-21	s	INDUCTOR, CHIP 10UH (LB2016)
L801	1-469-555-21	s	INDUCTOR, CHIP 10UH (LB2016)
L802	1-469-555-21	s	INDUCTOR, CHIP 10UH (LB2016)
L803	1-469-555-21	s	INDUCTOR, CHIP 10UH (LB2016)
L804	1-414-394-41	s	INDUCTOR (SMD) 2.2UH
L805	1-469-555-21	s	INDUCTOR, CHIP 10UH (LB2016)
L902	1-469-555-21	s	INDUCTOR, CHIP 10UH (LB2016)
L903	1-469-555-21	s	INDUCTOR, CHIP 10UH (LB2016)
L904	1-469-555-21	s	INDUCTOR, CHIP 10UH (LB2016)
Q300	8-729-928-28	s	TRANSISTOR DTA144EE-TL
Q310	8-729-928-82	s	TRANSISTOR DTC144EE-TL
Q311	8-729-928-82	s	TRANSISTOR DTC144EE-TL
Q312	8-729-928-82	s	TRANSISTOR DTC144EE-TL
Q313	8-729-928-82	s	TRANSISTOR DTC144EE-TL
Q314	8-729-928-82	s	TRANSISTOR DTC144EE-TL
Q315	8-729-928-82	s	TRANSISTOR DTC144EE-TL
Q316	8-729-928-82	s	TRANSISTOR DTC144EE-TL
Q317	8-729-928-82	s	TRANSISTOR DTC144EE-TL
R250	1-220-882-81	s	RES, CHIP 33 (1005)
R251	1-220-882-81	s	RES, CHIP 33 (1005)
R252	1-220-882-81	s	RES, CHIP 33 (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R253	1-220-882-81 s	RES, CHIP 33 (1005)
R254	1-220-882-81 s	RES, CHIP 33 (1005)
R255	1-220-882-81 s	RES, CHIP 33 (1005)
R256	1-208-959-81 s	RES, CHIP 1M (1005)
R257	1-220-882-81 s	RES, CHIP 33 (1005)
R258	1-208-887-81 s	RES, CHIP 1.0K (1005)
R259	1-208-879-81 s	RES, CHIP 470 (1005)
R260	1-208-863-81 s	RES, CHIP 100 (1005)
R261	1-208-863-81 s	RES, CHIP 100 (1005)
R262	1-208-863-81 s	RES, CHIP 100 (1005)
R263	1-208-863-81 s	RES, CHIP 100 (1005)
R264	1-208-863-81 s	RES, CHIP 100 (1005)
R265	1-220-878-81 s	RES, CHIP 22 (1005)
R266	1-220-878-81 s	RES, CHIP 22 (1005)
R267	1-208-863-81 s	RES, CHIP 100 (1005)
R268	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R269	1-208-897-81 s	RES, CHIP 2.7K (1005)
R270	1-208-897-81 s	RES, CHIP 2.7K (1005)
R271	1-220-882-81 s	RES, CHIP 33 (1005)
R272	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R273	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R274	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R275	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R276	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R277	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R278	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R279	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R280	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R281	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R282	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R305	1-208-863-81 s	RES, CHIP 100 (1005)
R306	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R307	1-208-935-81 s	RES, CHIP 100K (1005)
R308	1-208-863-81 s	RES, CHIP 100 (1005)
R309	1-208-863-81 s	RES, CHIP 100 (1005)
R310	1-208-863-81 s	RES, CHIP 100 (1005)
R311	1-208-863-81 s	RES, CHIP 100 (1005)
R312	1-208-855-81 s	RES, CHIP 47 (1005)
R313	1-208-863-81 s	RES, CHIP 100 (1005)
R314	1-208-863-81 s	RES, CHIP 100 (1005)
R315	1-220-878-81 s	RES, CHIP 22 (1005)
R316	1-220-878-81 s	RES, CHIP 22 (1005)
R317	1-220-878-81 s	RES, CHIP 22 (1005)
R318	1-220-878-81 s	RES, CHIP 22 (1005)
R319	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R320	1-220-878-81 s	RES, CHIP 22 (1005)
R321	1-220-878-81 s	RES, CHIP 22 (1005)
R322	1-220-878-81 s	RES, CHIP 22 (1005)
R323	1-220-878-81 s	RES, CHIP 22 (1005)
R324	1-220-878-81 s	RES, CHIP 22 (1005)
R325	1-220-882-81 s	RES, CHIP 33 (1005)
R327	1-208-911-81 s	RES, CHIP 10K (1005)
R329	1-208-911-81 s	RES, CHIP 10K (1005)
R330	1-208-911-81 s	RES, CHIP 10K (1005)
R331	1-208-911-81 s	RES, CHIP 10K (1005)
R332	1-208-911-81 s	RES, CHIP 10K (1005)
R333	1-208-911-81 s	RES, CHIP 10K (1005)
R334	1-220-878-81 s	RES, CHIP 22 (1005)
R335	1-220-878-81 s	RES, CHIP 22 (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R336	1-220-878-81 s	RES, CHIP 22 (1005)
R337	1-220-878-81 s	RES, CHIP 22 (1005)
R338	1-220-878-81 s	RES, CHIP 22 (1005)
R339	1-220-878-81 s	RES, CHIP 22 (1005)
R340	1-208-911-81 s	RES, CHIP 10K (1005)
R341	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R342	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R343	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R344	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R345	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R346	1-208-911-81 s	RES, CHIP 10K (1005)
R347	1-220-878-81 s	RES, CHIP 22 (1005)
R348	1-220-878-81 s	RES, CHIP 22 (1005)
R349	1-220-878-81 s	RES, CHIP 22 (1005)
R350	1-220-878-81 s	RES, CHIP 22 (1005)
R351	1-220-878-81 s	RES, CHIP 22 (1005)
R352	1-220-878-81 s	RES, CHIP 22 (1005)
R353	1-220-878-81 s	RES, CHIP 22 (1005)
R354	1-220-878-81 s	RES, CHIP 22 (1005)
R355	1-220-878-81 s	RES, CHIP 22 (1005)
R356	1-220-878-81 s	RES, CHIP 22 (1005)
R357	1-220-878-81 s	RES, CHIP 22 (1005)
R358	1-220-878-81 s	RES, CHIP 22 (1005)
R359	1-220-878-81 s	RES, CHIP 22 (1005)
R360	1-220-878-81 s	RES, CHIP 22 (1005)
R361	1-220-878-81 s	RES, CHIP 22 (1005)
R362	1-220-878-81 s	RES, CHIP 22 (1005)
R363	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R365	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R366	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R367	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R368	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R369	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R370	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R371	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R372	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R373	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R374	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R375	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R377	1-208-935-81 s	RES, CHIP 100K (1005)
R379	1-208-935-81 s	RES, CHIP 100K (1005)
R380	1-220-878-81 s	RES, CHIP 22 (1005)
R381	1-220-878-81 s	RES, CHIP 22 (1005)
R382	1-220-878-81 s	RES, CHIP 22 (1005)
R383	1-220-878-81 s	RES, CHIP 22 (1005)
R384	1-220-878-81 s	RES, CHIP 22 (1005)
R406	1-208-911-81 s	RES, CHIP 10K (1005)
R407	1-208-863-81 s	RES, CHIP 100 (1005)
R409	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R415	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R416	1-208-883-81 s	RES, CHIP 680 (1005)
R417	1-208-863-81 s	RES, CHIP 100 (1005)
R418	1-208-877-81 s	RES, CHIP 390 (1005)
R431	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R434	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R436	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R441	1-208-887-81 s	RES, CHIP 1.0K (1005)
R442	1-220-878-81 s	RES, CHIP 22 (1005)
R443	1-208-911-81 s	RES, CHIP 10K (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R444	1-208-911-81	s RES, CHIP 10K (1005)
R445	1-208-911-81	s RES, CHIP 10K (1005)
R446	1-208-911-81	s RES, CHIP 10K (1005)
R447	1-208-911-81	s RES, CHIP 10K (1005)
R448	1-208-911-81	s RES, CHIP 10K (1005)
R449	1-208-911-81	s RES, CHIP 10K (1005)
R450	1-208-911-81	s RES, CHIP 10K (1005)
R451	1-208-911-81	s RES, CHIP 10K (1005)
R452	1-208-911-81	s RES, CHIP 10K (1005)
R453	1-208-911-81	s RES, CHIP 10K (1005)
R454	1-220-878-81	s RES, CHIP 22 (1005)
R455	1-220-878-81	s RES, CHIP 22 (1005)
R461	1-220-878-81	s RES, CHIP 22 (1005)
R462	1-220-878-81	s RES, CHIP 22 (1005)
R463	1-220-878-81	s RES, CHIP 22 (1005)
R464	1-220-878-81	s RES, CHIP 22 (1005)
R465	1-220-878-81	s RES, CHIP 22 (1005)
R466	1-220-878-81	s RES, CHIP 22 (1005)
R467	1-220-878-81	s RES, CHIP 22 (1005)
R468	1-220-878-81	s RES, CHIP 22 (1005)
R469	1-220-878-81	s RES, CHIP 22 (1005)
R470	1-220-878-81	s RES, CHIP 22 (1005)
R471	1-220-878-81	s RES, CHIP 22 (1005)
R472	1-220-878-81	s RES, CHIP 22 (1005)
R473	1-220-878-81	s RES, CHIP 22 (1005)
R474	1-220-878-81	s RES, CHIP 22 (1005)
R475	1-220-878-81	s RES, CHIP 22 (1005)
R476	1-220-878-81	s RES, CHIP 22 (1005)
R477	1-220-878-81	s RES, CHIP 22 (1005)
R478	1-208-863-81	s RES, CHIP 100 (1005)
R479	1-208-863-81	s RES, CHIP 100 (1005)
R480	1-208-863-81	s RES, CHIP 100 (1005)
R481	1-208-863-81	s RES, CHIP 100 (1005)
R482	1-208-863-81	s RES, CHIP 100 (1005)
R483	1-208-863-81	s RES, CHIP 100 (1005)
R484	1-208-863-81	s RES, CHIP 100 (1005)
R485	1-208-863-81	s RES, CHIP 100 (1005)
R486	1-208-863-81	s RES, CHIP 100 (1005)
R487	1-208-863-81	s RES, CHIP 100 (1005)
R488	1-208-863-81	s RES, CHIP 100 (1005)
R489	1-208-863-81	s RES, CHIP 100 (1005)
R490	1-208-863-81	s RES, CHIP 100 (1005)
R491	1-208-863-81	s RES, CHIP 100 (1005)
R492	1-208-863-81	s RES, CHIP 100 (1005)
R493	1-208-863-81	s RES, CHIP 100 (1005)
R494	1-208-863-81	s RES, CHIP 100 (1005)
R495	1-208-867-81	s RES, CHIP 150 (1005)
R497	1-218-990-81	s CONDUCTOR, CHIP (1005)
R600	1-208-911-81	s RES, CHIP 10K (1005)
R601	1-220-878-81	s RES, CHIP 22 (1005)
R602	1-220-878-81	s RES, CHIP 22 (1005)
R603	1-220-878-81	s RES, CHIP 22 (1005)
R605	1-208-895-81	s RES, CHIP 2.2K (1005)
R606	1-208-895-81	s RES, CHIP 2.2K (1005)
R607	1-208-911-81	s RES, CHIP 10K (1005)
R608	1-208-939-81	s RES, CHIP 150K (1005)
R609	1-208-919-81	s RES, CHIP 22K (1005)
R610	1-208-915-81	s RES, CHIP 15K (1005)
R611	1-208-911-81	s RES, CHIP 10K (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R612	1-208-911-81	s RES, CHIP 10K (1005)
R613	1-208-899-81	s RES, CHIP 3.3K (1005)
R616	1-208-855-81	s RES, CHIP 47 (1005)
R617	1-208-855-81	s RES, CHIP 47 (1005)
R700	1-208-935-81	s RES, CHIP 100K (1005)
R701	1-208-935-81	s RES, CHIP 100K (1005)
R702	1-208-935-81	s RES, CHIP 100K (1005)
R703	1-208-935-81	s RES, CHIP 100K (1005)
R704	1-208-935-81	s RES, CHIP 100K (1005)
R705	1-208-935-81	s RES, CHIP 100K (1005)
R706	1-208-935-81	s RES, CHIP 100K (1005)
R707	1-208-935-81	s RES, CHIP 100K (1005)
R710	1-218-990-81	s CONDUCTOR, CHIP (1005)
R711	1-218-990-81	s CONDUCTOR, CHIP (1005)
R712	1-218-990-81	s CONDUCTOR, CHIP (1005)
R713	1-218-990-81	s CONDUCTOR, CHIP (1005)
R714	1-218-990-81	s CONDUCTOR, CHIP (1005)
R715	1-218-990-81	s CONDUCTOR, CHIP (1005)
R716	1-220-882-81	s RES, CHIP 33 (1005)
R717	1-220-882-81	s RES, CHIP 33 (1005)
R718	1-218-990-81	s CONDUCTOR, CHIP (1005)
R719	1-218-990-81	s CONDUCTOR, CHIP (1005)
R720	1-218-990-81	s CONDUCTOR, CHIP (1005)
R721	1-218-990-81	s CONDUCTOR, CHIP (1005)
R722	1-218-990-81	s CONDUCTOR, CHIP (1005)
R723	1-218-990-81	s CONDUCTOR, CHIP (1005)
R724	1-220-878-81	s RES, CHIP 22 (1005)
R725	1-218-990-81	s CONDUCTOR, CHIP (1005)
R726	1-218-990-81	s CONDUCTOR, CHIP (1005)
R727	1-208-899-81	s RES, CHIP 3.3K (1005)
R733	1-220-878-81	s RES, CHIP 22 (1005)
R734	1-218-990-81	s CONDUCTOR, CHIP (1005)
R735	1-220-878-81	s RES, CHIP 22 (1005)
R736	1-220-878-81	s RES, CHIP 22 (1005)
R737	1-220-878-81	s RES, CHIP 22 (1005)
R738	1-220-878-81	s RES, CHIP 22 (1005)
R739	1-220-878-81	s RES, CHIP 22 (1005)
R744	1-208-911-81	s RES, CHIP 10K (1005)
R745	1-208-895-81	s RES, CHIP 2.2K (1005)
R746	1-208-895-81	s RES, CHIP 2.2K (1005)
R747	1-208-895-81	s RES, CHIP 2.2K (1005)
R748	1-208-895-81	s RES, CHIP 2.2K (1005)
R749	1-208-895-81	s RES, CHIP 2.2K (1005)
R750	1-208-895-81	s RES, CHIP 2.2K (1005)
R751	1-208-895-81	s RES, CHIP 2.2K (1005)
R752	1-208-895-81	s RES, CHIP 2.2K (1005)
R753	1-220-878-81	s RES, CHIP 22 (1005)
R754	1-220-878-81	s RES, CHIP 22 (1005)
R755	1-218-990-81	s CONDUCTOR, CHIP (1005)
R756	1-218-990-81	s CONDUCTOR, CHIP (1005)
R757	1-208-899-81	s RES, CHIP 3.3K (1005)
R758	1-218-990-81	s CONDUCTOR, CHIP (1005)
R801	1-208-911-81	s RES, CHIP 10K (1005)
R802	1-208-911-81	s RES, CHIP 10K (1005)
R803	1-208-911-81	s RES, CHIP 10K (1005)
R804	1-208-911-81	s RES, CHIP 10K (1005)
R805	1-208-911-81	s RES, CHIP 10K (1005)
R806	1-208-911-81	s RES, CHIP 10K (1005)
R807	1-208-911-81	s RES, CHIP 10K (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R808	1-208-935-81 s	RES, CHIP 100K (1005)
R809	1-208-903-81 s	RES, CHIP 4.7K (1005)
R810	1-208-935-81 s	RES, CHIP 100K (1005)
R811	1-208-935-81 s	RES, CHIP 100K (1005)
R812	1-208-935-81 s	RES, CHIP 100K (1005)
R813	1-208-935-81 s	RES, CHIP 100K (1005)
R814	1-208-935-81 s	RES, CHIP 100K (1005)
R815	1-208-911-81 s	RES, CHIP 10K (1005)
R816	1-208-935-81 s	RES, CHIP 100K (1005)
R819	1-208-935-81 s	RES, CHIP 100K (1005)
R820	1-208-935-81 s	RES, CHIP 100K (1005)
R821	1-208-935-81 s	RES, CHIP 100K (1005)
R822	1-208-935-81 s	RES, CHIP 100K (1005)
R824	1-208-935-81 s	RES, CHIP 100K (1005)
R825	1-208-935-81 s	RES, CHIP 100K (1005)
R826	1-208-935-81 s	RES, CHIP 100K (1005)
R827	1-208-935-81 s	RES, CHIP 100K (1005)
R828	1-208-935-81 s	RES, CHIP 100K (1005)
R829	1-220-878-81 s	RES, CHIP 22 (1005)
R830	1-208-899-81 s	RES, CHIP 3.3K (1005)
R831	1-208-871-81 s	RES, CHIP 220 (1005)
R832	1-208-911-81 s	RES, CHIP 10K (1005)
R833	1-220-878-81 s	RES, CHIP 22 (1005)
R834	1-208-855-81 s	RES, CHIP 47 (1005)
R835	1-208-911-81 s	RES, CHIP 10K (1005)
R836	1-220-878-81 s	RES, CHIP 22 (1005)
R837	1-220-878-81 s	RES, CHIP 22 (1005)
R838	1-220-878-81 s	RES, CHIP 22 (1005)
R839	1-220-878-81 s	RES, CHIP 22 (1005)
R840	1-220-878-81 s	RES, CHIP 22 (1005)
R841	1-208-887-81 s	RES, CHIP 1.0K (1005)
R843	1-208-911-81 s	RES, CHIP 10K (1005)
R844	1-208-911-81 s	RES, CHIP 10K (1005)
R846	1-208-863-81 s	RES, CHIP 100 (1005)
R847	1-208-911-81 s	RES, CHIP 10K (1005)
R850	1-208-911-81 s	RES, CHIP 10K (1005)
R852	1-220-878-81 s	RES, CHIP 22 (1005)
R853	1-220-878-81 s	RES, CHIP 22 (1005)
R854	1-208-911-81 s	RES, CHIP 10K (1005)
R858	1-208-911-81 s	RES, CHIP 10K (1005)
R859	1-208-863-81 s	RES, CHIP 100 (1005)
R860	1-208-863-81 s	RES, CHIP 100 (1005)
R861	1-208-863-81 s	RES, CHIP 100 (1005)
R862	1-208-855-81 s	RES, CHIP 47 (1005)
R863	1-208-935-81 s	RES, CHIP 100K (1005)
R864	1-208-863-81 s	RES, CHIP 100 (1005)
R865	1-208-935-81 s	RES, CHIP 100K (1005)
R866	1-208-935-81 s	RES, CHIP 100K (1005)
R867	1-208-863-81 s	RES, CHIP 100 (1005)
R868	1-208-935-81 s	RES, CHIP 100K (1005)
R872	1-208-887-81 s	RES, CHIP 1.0K (1005)
R873	1-208-887-81 s	RES, CHIP 1.0K (1005)
R874	1-208-863-81 s	RES, CHIP 100 (1005)
R875	1-208-911-81 s	RES, CHIP 10K (1005)
R876	1-208-935-81 s	RES, CHIP 100K (1005)
R877	1-208-855-81 s	RES, CHIP 47 (1005)
R878	1-220-878-81 s	RES, CHIP 22 (1005)
R879	1-220-878-81 s	RES, CHIP 22 (1005)
R880	1-220-878-81 s	RES, CHIP 22 (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R881	1-220-878-81 s	RES, CHIP 22 (1005)
R882	1-220-878-81 s	RES, CHIP 22 (1005)
R883	1-220-878-81 s	RES, CHIP 22 (1005)
R884	1-220-878-81 s	RES, CHIP 22 (1005)
R885	1-220-878-81 s	RES, CHIP 22 (1005)
R886	1-220-878-81 s	RES, CHIP 22 (1005)
R887	1-220-878-81 s	RES, CHIP 22 (1005)
R888	1-220-878-81 s	RES, CHIP 22 (1005)
R889	1-208-863-81 s	RES, CHIP 100 (1005)
R890	1-208-863-81 s	RES, CHIP 100 (1005)
R891	1-208-863-81 s	RES, CHIP 100 (1005)
R892	1-208-863-81 s	RES, CHIP 100 (1005)
R893	1-208-863-81 s	RES, CHIP 100 (1005)
R894	1-208-863-81 s	RES, CHIP 100 (1005)
R895	1-208-863-81 s	RES, CHIP 100 (1005)
R896	1-208-935-81 s	RES, CHIP 100K (1005)
R897	1-208-911-81 s	RES, CHIP 10K (1005)
R898	1-208-911-81 s	RES, CHIP 10K (1005)
R904	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R905	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R906	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R907	1-208-907-81 s	RES, CHIP 6.8K (1005)
R908	1-208-863-81 s	RES, CHIP 100 (1005)
R909	1-208-907-81 s	RES, CHIP 6.8K (1005)
R910	1-208-863-81 s	RES, CHIP 100 (1005)
R911	1-208-863-81 s	RES, CHIP 100 (1005)
R912	1-208-863-81 s	RES, CHIP 100 (1005)
R913	1-208-895-81 s	RES, CHIP 2.2K (1005)
R914	1-208-895-81 s	RES, CHIP 2.2K (1005)
R915	1-208-895-81 s	RES, CHIP 2.2K (1005)
R916	1-208-895-81 s	RES, CHIP 2.2K (1005)
R917	1-208-895-81 s	RES, CHIP 2.2K (1005)
R918	1-208-895-81 s	RES, CHIP 2.2K (1005)
R919	1-220-878-81 s	RES, CHIP 22 (1005)
R920	1-220-878-81 s	RES, CHIP 22 (1005)
R927	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R928	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R931	1-208-863-81 s	RES, CHIP 100 (1005)
R932	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R933	1-208-895-81 s	RES, CHIP 2.2K (1005)
R934	1-208-895-81 s	RES, CHIP 2.2K (1005)
R935	1-220-878-81 s	RES, CHIP 22 (1005)
R936	1-220-878-81 s	RES, CHIP 22 (1005)
R937	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R939	1-208-935-81 s	RES, CHIP 100K (1005)
R940	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R941	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R942	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1400	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1401	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1402	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1403	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1404	1-218-990-81 s	CONDUCTOR, CHIP (1005)
R1405	1-218-990-81 s	CONDUCTOR, CHIP (1005)
RB250	1-242-963-21 s	RES, NETWORK 33 (1005X4)
RB251	1-242-963-21 s	RES, NETWORK 33 (1005X4)
RB252	1-242-963-21 s	RES, NETWORK 33 (1005X4)
RB253	1-242-963-21 s	RES, NETWORK 33 (1005X4)
RB254	1-242-963-21 s	RES, NETWORK 33 (1005X4)

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Ref. No. or Q'ty	Part No.	SP	Description
RB462	1-234-370-21	s	RES, NETWORK 22 (1005X4)
RB463	1-234-370-21	s	RES, NETWORK 22 (1005X4)
RB464	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB465	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB466	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB467	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB468	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB469	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB470	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB471	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB472	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB473	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB474	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB475	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB476	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB477	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB478	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB479	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB480	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB481	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB482	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB483	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB484	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB485	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB486	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB487	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB488	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB489	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB490	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB801	1-234-378-21	s	RES, NETWORK 10K (1005X4)
RB802	1-234-378-21	s	RES, NETWORK 10K (1005X4)
RB803	1-234-378-21	s	RES, NETWORK 10K (1005X4)
RB804	1-234-378-21	s	RES, NETWORK 10K (1005X4)
RB805	1-234-378-21	s	RES, NETWORK 10K (1005X4)
RB806	1-234-378-21	s	RES, NETWORK 10K (1005X4)
RB807	1-234-378-21	s	RES, NETWORK 10K (1005X4)
RB808	1-234-378-21	s	RES, NETWORK 10K (1005X4)
RB809	1-234-378-21	s	RES, NETWORK 10K (1005X4)
RB810	1-234-381-21	s	RES, NETWORK 100K (1005X4)
RB811	1-234-381-21	s	RES, NETWORK 100K (1005X4)
RB812	1-234-381-21	s	RES, NETWORK 100K (1005X4)
RB813	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB814	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB815	1-234-381-21	s	RES, NETWORK 100K (1005X4)
RB816	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB817	1-234-372-21	s	RES, NETWORK 100 (1005X4)
RB818	1-234-381-21	s	RES, NETWORK 100K (1005X4)
RB819	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB820	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB821	1-234-371-21	s	RES, NETWORK 47 (1005X4)
RB822	1-234-371-21	s	RES, NETWORK 47 (1005X4)
S300	1-692-271-41	s	SWITCH, SLIDE
S601	1-771-721-21	s	SWITCH, TACTILE
S801	1-692-271-41	s	SWITCH, SLIDE
S802	1-786-157-51	s	TACTILE SWITCH
S803	1-786-157-51	s	TACTILE SWITCH
S804	1-786-157-51	s	TACTILE SWITCH
S805	1-762-122-21	s	SWITCH, TOGGLE

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Ref. No. or Q'ty	Part No.	SP Description
TP301	1-535-757-21	s CHIP, CHECKER
TP400	1-535-757-21	s CHIP, CHECKER
X250	1-813-826-21	s VIBRATOR, CRYSTAL (28.63636 MHz)
X300	1-814-021-11	s OSCILLATOR, CRYSTAL (74.250MHZ)

RE-270 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1764-646-A	s MOUNTED CIRCUIT BOARD, RE-270
C1	1-126-400-21	s CAP, CHIP ELECT 22MF (6.3X5.7)
C3	1-115-339-91	s CAP, CERAMIC 0.1MF B (2012)
C4	1-115-339-91	s CAP, CERAMIC 0.1MF B (2012)
C5	1-137-980-91	s CAP, CHIP CERAMIC 0.47MF B 3216
C7	1-114-331-11	s CAP, CERAMIC 4.7MF X7R 2012
C8	1-112-777-11	s CAP, CERAMIC 0.01MF X7R 1005
C9	1-164-874-81	s CAP, CHIP CERAMIC 100PF CH 1005
C10	1-112-780-11	s CAP, CERAMIC 0.47MF X7R 1608
C11	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C13	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C14	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C100	1-112-777-11	s CAP, CERAMIC 0.01MF X7R 1005
C101	1-164-858-81	s CAP, CHIP CERAMIC 22PF CH 1005
C102	1-164-858-81	s CAP, CHIP CERAMIC 22PF CH 1005
C103	1-100-597-91	s CAP, CHIP CERAMIC 0.1MF B 1608
C104	1-100-597-91	s CAP, CHIP CERAMIC 0.1MF B 1608
C105	1-112-777-11	s CAP, CERAMIC 0.01MF X7R 1005
C106	1-112-778-11	s CAP, CERAMIC 0.022MF X7R 1005
C107	1-112-778-11	s CAP, CERAMIC 0.022MF X7R 1005
C108	1-162-969-91	s CAP, CERAMIC 6800PF B 1608
C109	1-162-969-91	s CAP, CERAMIC 6800PF B 1608
C110	1-100-909-11	s CAP, CERAMIC 10MF X6S 2012
C111	1-100-909-11	s CAP, CERAMIC 10MF X6S 2012
C112	1-100-909-11	s CAP, CERAMIC 10MF X6S 2012
C113	1-135-960-91	s CAP, CHIP CERAMIC 10MF B(3225)
C114	1-135-960-91	s CAP, CHIP CERAMIC 10MF B(3225)
C115	1-100-597-91	s CAP, CHIP CERAMIC 0.1MF B 1608
C116	1-100-597-91	s CAP, CHIP CERAMIC 0.1MF B 1608
C117	1-114-415-21	s CAP, ELECT 100MF (5X5.9)
C118	1-116-117-11	s CAP, ELECT 22MF 105
C119	1-114-415-21	s CAP, ELECT 100MF (5X5.9)
C120	1-100-909-11	s CAP, CERAMIC 10MF X6S 2012
C121	1-100-909-11	s CAP, CERAMIC 10MF X6S 2012
C122	1-100-909-11	s CAP, CERAMIC 10MF X6S 2012
C123	1-100-909-11	s CAP, CERAMIC 10MF X6S 2012
C124	1-100-909-11	s CAP, CERAMIC 10MF X6S 2012
C125	1-100-909-11	s CAP, CERAMIC 10MF X6S 2012
C126	1-100-909-11	s CAP, CERAMIC 10MF X6S 2012
C127	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C128	1-114-130-11	s CAP, CERAMIC 1MF X6S 1005
C200	1-112-777-11	s CAP, CERAMIC 0.01MF X7R 1005
C201	1-164-858-81	s CAP, CHIP CERAMIC 22PF CH 1005
C202	1-164-858-81	s CAP, CHIP CERAMIC 22PF CH 1005
C203	1-100-597-91	s CAP, CHIP CERAMIC 0.1MF B 1608
C204	1-100-597-91	s CAP, CHIP CERAMIC 0.1MF B 1608
C205	1-112-777-11	s CAP, CERAMIC 0.01MF X7R 1005
C206	1-112-778-11	s CAP, CERAMIC 0.022MF X7R 1005
C207	1-112-778-11	s CAP, CERAMIC 0.022MF X7R 1005
C208	1-162-969-91	s CAP, CERAMIC 6800PF B 1608
C209	1-162-969-91	s CAP, CERAMIC 6800PF B 1608
C210	1-100-909-11	s CAP, CERAMIC 10MF X6S 2012
C211	1-100-909-11	s CAP, CERAMIC 10MF X6S 2012
C212	1-100-909-11	s CAP, CERAMIC 10MF X6S 2012
C213	1-135-960-91	s CAP, CHIP CERAMIC 10MF B(3225)
C214	1-135-960-91	s CAP, CHIP CERAMIC 10MF B(3225)
C215	1-100-597-91	s CAP, CHIP CERAMIC 0.1MF B 1608
C216	1-100-597-91	s CAP, CHIP CERAMIC 0.1MF B 1608

(RE-270 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C217	1-114-415-21	s	CAP, ELECT 100MF (5X5.9)
C218	1-116-117-11	s	CAP, ELECT 22MF 105
C219	1-114-415-21	s	CAP, ELECT 100MF (5X5.9)
C220	1-100-909-11	s	CAP, CERAMIC 10MF X6S 2012
C221	1-100-909-11	s	CAP, CERAMIC 10MF X6S 2012
C222	1-100-909-11	s	CAP, CERAMIC 10MF X6S 2012
C223	1-100-909-11	s	CAP, CERAMIC 10MF X6S 2012
C224	1-100-909-11	s	CAP, CERAMIC 10MF X6S 2012
C225	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C300	1-112-777-11	s	CAP, CERAMIC 0.01MF X7R 1005
C301	1-164-858-81	s	CAP, CHIP CERAMIC 22PF CH 1005
C302	1-164-858-81	s	CAP, CHIP CERAMIC 22PF CH 1005
C303	1-100-597-91	s	CAP, CHIP CERAMIC 0.1MF B 1608
C304	1-100-597-91	s	CAP, CHIP CERAMIC 0.1MF B 1608
C305	1-112-777-11	s	CAP, CERAMIC 0.01MF X7R 1005
C306	1-112-778-11	s	CAP, CERAMIC 0.022MF X7R 1005
C307	1-112-778-11	s	CAP, CERAMIC 0.022MF X7R 1005
C308	1-162-969-91	s	CAP, CERAMIC 6800PF B 1608
C309	1-162-969-91	s	CAP, CERAMIC 6800PF B 1608
C310	1-100-909-11	s	CAP, CERAMIC 10MF X6S 2012
C311	1-100-909-11	s	CAP, CERAMIC 10MF X6S 2012
C312	1-100-909-11	s	CAP, CERAMIC 10MF X6S 2012
C313	1-135-960-91	s	CAP, CHIP CERAMIC 10MF B(3225)
C314	1-135-960-91	s	CAP, CHIP CERAMIC 10MF B(3225)
C315	1-100-597-91	s	CAP, CHIP CERAMIC 0.1MF B 1608
C316	1-100-597-91	s	CAP, CHIP CERAMIC 0.1MF B 1608
C317	1-114-415-21	s	CAP, ELECT 100MF (5X5.9)
C318	1-116-117-11	s	CAP, ELECT 22MF 105
C319	1-114-415-21	s	CAP, ELECT 100MF (5X5.9)
C320	1-100-909-11	s	CAP, CERAMIC 10MF X6S 2012
C321	1-100-909-11	s	CAP, CERAMIC 10MF X6S 2012
C322	1-100-909-11	s	CAP, CERAMIC 10MF X6S 2012
C323	1-100-909-11	s	CAP, CERAMIC 10MF X6S 2012
C324	1-164-850-81	s	CAP, CHIP CERAMIC 10PF CH 1005
C325	1-100-581-81	s	CAP, CHIP CERAMIC 0.0047MF B1005
C326	1-114-214-81	s	CAP, CHIP CERAMIC 470PF CH1005
C327	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C328	1-100-909-11	s	CAP, CERAMIC 10MF X6S 2012
C329	1-164-850-81	s	CAP, CHIP CERAMIC 10PF CH 1005
C330	1-114-415-21	s	CAP, ELECT 100MF (5X5.9)
C331	1-100-909-11	s	CAP, CERAMIC 10MF X6S 2012
C400	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C401	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C402	1-126-399-21	s	CAP, CHIP ELECT 10MF (5X5.7)
C403	1-114-130-11	s	CAP, CERAMIC 1MF X6S 1005
C404	1-114-817-11	s	CAP, CERAMIC 2.2UF X7R 3216
C405	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C406	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C407	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C408	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C409	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C411	1-100-909-11	s	CAP, CERAMIC 10MF X6S 2012
C413	1-100-909-11	s	CAP, CERAMIC 10MF X6S 2012
C415	1-100-909-11	s	CAP, CERAMIC 10MF X6S 2012
C425	1-114-331-11	s	CAP, CERAMIC 4.7MF X7R 2012
C426	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C428	1-114-331-11	s	CAP, CERAMIC 4.7MF X7R 2012
C429	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C431	1-114-331-11	s	CAP, CERAMIC 4.7MF X7R 2012

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Ref. No. or Q'ty	Part No.	SP	Description
C432	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C434	1-100-909-11	s	CAP, CERAMIC 10MF X6S 2012
C435	1-100-909-11	s	CAP, CERAMIC 10MF X6S 2012
C436	1-100-909-11	s	CAP, CERAMIC 10MF X6S 2012
C437	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C441	1-100-909-11	s	CAP, CERAMIC 10MF X6S 2012
C442	1-100-909-11	s	CAP, CERAMIC 10MF X6S 2012
C443	1-100-909-11	s	CAP, CERAMIC 10MF X6S 2012
C444	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C445	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C446	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C447	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C448	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C449	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C450	1-114-415-21	s	CAP, ELECT 100MF (5X5.9)
C453	1-112-692-81	s	CAP, CHIP CERAMIC 1000PF CH 1005
C454	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C455	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C456	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C457	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C458	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C460	1-100-916-11	s	CAP, CERAMIC 0.1MF X7R 1005
C461	1-114-130-11	s	CAP, CERAMIC 1MF X6S 1005
C462	1-164-850-81	s	CAP, CHIP CERAMIC 10PF CH 1005
C464	1-114-130-11	s	CAP, CERAMIC 1MF X6S 1005
C465	1-164-850-81	s	CAP, CHIP CERAMIC 10PF CH 1005
C467	1-114-130-11	s	CAP, CERAMIC 1MF X6S 1005
C468	1-164-850-81	s	CAP, CHIP CERAMIC 10PF CH 1005
C470	1-114-130-11	s	CAP, CERAMIC 1MF X6S 1005
CN1	1-695-209-21	s	PIN, CONNECTOR (PC BOARD) 15P
CN5	1-785-900-21	s	CONNECTOR 5P
D100	8-719-069-28	s	DI 1SS400FJTE61
D101	8-719-065-59	s	DIODE MBR0530T1
D102	8-719-065-59	s	DIODE MBR0530T1
D106	8-719-069-28	s	DI 1SS400FJTE61
D200	8-719-069-28	s	DI 1SS400FJTE61
D201	8-719-065-59	s	DIODE MBR0530T1
D202	8-719-065-59	s	DIODE MBR0530T1
D300	8-719-069-28	s	DI 1SS400FJTE61
D301	8-719-065-59	s	DIODE MBR0530T1
D302	8-719-065-59	s	DIODE MBR0530T1
D305	8-719-069-28	s	DI 1SS400FJTE61
D400	6-501-123-01	s	DIODE RB160M-60TR
E1	1-535-877-22	s	CHIP, CHECKER
E2	1-535-877-22	s	CHIP, CHECKER
E3	1-694-974-21	s	CONTACT TERMINAL
FB400	1-400-462-21	s	FERRITE, EMI (SMD) (1005)
FB401	1-400-462-21	s	FERRITE, EMI (SMD) (1005)
FB402	1-400-462-21	s	FERRITE, EMI (SMD) (1005)
FB403	1-400-462-21	s	FERRITE, EMI (SMD) (1005)
FB404	1-400-462-21	s	FERRITE, EMI (SMD) (1005)
FB405	1-400-462-21	s	FERRITE, EMI (SMD) (1005)
FB406	1-400-462-21	s	FERRITE, EMI (SMD) (1005)
FB407	1-400-462-21	s	FERRITE, EMI (SMD) (1005)
FB408	1-400-462-21	s	FERRITE, EMI (SMD) (1005)
FB409	1-400-462-21	s	FERRITE, EMI (SMD) (1005)
FB410	1-400-462-21	s	FERRITE, EMI (SMD) (1005)

(RE-270 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
FB411	1-400-462-21	s FERRITE, EMI (SMD) (1005)
FB412	1-414-772-21	s FERRITE, EMI (SMD) (2012)
FB413	1-400-462-21	s FERRITE, EMI (SMD) (1005)
FB414	1-414-772-21	s FERRITE, EMI (SMD) (2012)
IC1	8-759-183-53	s IC TL431CPK-E2
IC2	8-759-338-95	s IC NJM2903V(Te2)
IC3	8-759-183-53	s IC TL431CPK-E2
IC4	8-759-338-95	s IC NJM2903V(Te2)
IC5	8-759-592-42	s IC TC7S200FU(Te85R)
IC6	8-759-675-53	s IC TC7WH32FK(Te85R)
IC7	8-759-338-95	s IC NJM2903V(Te2)
IC100	6-702-510-01	s IC TPS5120DBTRG4
IC101	6-711-237-01	s IC NJM2878F3-33 (Te2)
IC102	6-712-875-01	s IC MAX1697UEUT#TG16
IC200	6-702-510-01	s IC TPS5120DBTRG4
IC201	6-703-976-01	s IC R1114Q181D-TR-FA
IC300	6-702-510-01	s IC TPS5120DBTRG4
IC301	6-713-169-01	s IC LTC3412AEFE#TR
IC400	6-712-386-01	s IC TC74VHC595FT(EKJ)
IC402	6-707-851-01	s IC TC74LCX32FT(EKJ)
IC403	8-759-592-44	s IC TC7S204FU(Te85R)
IC404	6-715-442-01	s IC BD6583MUV-AE2
IC405	8-759-592-44	s IC TC7S204FU(Te85R)
IC406	6-707-842-01	s IC TC74LCX08FT(EKJ)
IC407	6-707-851-01	s IC TC74LCX32FT(EKJ)
IC408	6-711-232-01	s IC MAX6966AEE+T
IC409	6-706-364-01	s IC MAX4737EUD
IC410	6-706-364-01	s IC MAX4737EUD
IC411	6-702-231-01	s IC LMH6642MFX/NOPB
IC412	6-702-231-01	s IC LMH6642MFX/NOPB
IC413	6-702-231-01	s IC LMH6642MFX/NOPB
IC414	6-708-749-01	s IC SM5308AS-G-ET
IC416	6-710-776-01	s IC LMH1981MTX
IC417	8-759-675-53	s IC TC7WH32FK(Te85R)
IC418	6-711-237-01	s IC NJM2878F3-33 (Te2)
L1	1-419-630-21	s COIL, CHOKE 4.7UH
L100	1-400-869-11	s COIL, CHOKE 47UH
L101	1-400-869-11	s COIL, CHOKE 47UH
L102	1-456-622-21	s COIL, CHOKE 1UH
L103	1-456-622-21	s COIL, CHOKE 1UH
L104	1-456-622-21	s COIL, CHOKE 1UH
L200	1-400-869-11	s COIL, CHOKE 47UH
L201	1-400-868-11	s COIL, CHOKE 22UH
L202	1-456-622-21	s COIL, CHOKE 1UH
L203	1-456-622-21	s COIL, CHOKE 1UH
L204	1-456-622-21	s COIL, CHOKE 1UH
L300	1-400-868-11	s COIL, CHOKE 22UH
L301	1-400-868-11	s COIL, CHOKE 22UH
L302	1-456-622-21	s COIL, CHOKE 1UH
L303	1-456-622-21	s COIL, CHOKE 1UH
L304	1-456-622-21	s COIL, CHOKE 1UH
L305	1-456-622-21	s COIL, CHOKE 1UH
L400	1-419-630-21	s COIL, CHOKE 4.7UH
L401	1-469-551-21	s INDUCTOR, CHIP 2.2UH (LB2016)
L403	1-469-555-21	s INDUCTOR, CHIP 10UH (LB2016)
PS100	Δ 1-576-122-21	s LINK, IC (0.4A/72V)
Q1	8-729-929-27	s TRANSISTOR DTC114TE-TL

(RE-270 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
Q2	8-729-928-05	s TRANSISTOR 2SC4617TL-QR
Q3	6-551-380-01	s TRANSISTOR SI4425BDY-T1
Q4	8-729-928-05	s TRANSISTOR 2SC4617TL-QR
Q5	8-729-928-28	s TRANSISTOR DTA144EE-TL
Q6	8-729-929-27	s TRANSISTOR DTC114TE-TL
Q7	8-729-929-27	s TRANSISTOR DTC114TE-TL
Q8	8-729-928-05	s TRANSISTOR 2SC4617TL-QR
Q9	8-729-928-28	s TRANSISTOR DTA144EE-TL
Q10	8-729-928-82	s TRANSISTOR DTC144EE-TL
Q11	8-729-928-05	s TRANSISTOR 2SC4617TL-QR
Q12	8-729-928-73	s TRANSISTOR DTA114TE-TL
Q13	8-729-929-27	s TRANSISTOR DTC114TE-TL
Q14	8-729-929-27	s TRANSISTOR DTC114TE-TL
Q15	6-551-380-01	s TRANSISTOR SI4425BDY-T1
Q16	8-729-928-05	s TRANSISTOR 2SC4617TL-QR
Q100	8-729-929-27	s TRANSISTOR DTC114TE-TL
Q101	8-729-929-27	s TRANSISTOR DTC114TE-TL
Q102	8-729-929-27	s TRANSISTOR DTC114TE-TL
Q103	8-729-929-27	s TRANSISTOR DTC114TE-TL
Q104	6-551-190-01	s TRANSISTOR HAT2218R-EL-E
Q105	6-551-190-01	s TRANSISTOR HAT2218R-EL-E
Q106	8-729-929-27	s TRANSISTOR DTC114TE-TL
Q200	8-729-929-27	s TRANSISTOR DTC114TE-TL
Q201	8-729-929-27	s TRANSISTOR DTC114TE-TL
Q202	8-729-929-27	s TRANSISTOR DTC114TE-TL
Q203	8-729-929-27	s TRANSISTOR DTC114TE-TL
Q204	6-551-190-01	s TRANSISTOR HAT2218R-EL-E
Q205	6-551-190-01	s TRANSISTOR HAT2218R-EL-E
Q300	8-729-929-27	s TRANSISTOR DTC114TE-TL
Q301	8-729-929-27	s TRANSISTOR DTC114TE-TL
Q302	8-729-929-27	s TRANSISTOR DTC114TE-TL
Q303	8-729-929-27	s TRANSISTOR DTC114TE-TL
Q304	6-551-190-01	s TRANSISTOR HAT2218R-EL-E
Q305	6-551-190-01	s TRANSISTOR HAT2218R-EL-E
Q400	6-552-086-01	s TR RTR020N05TL
Q401	8-729-928-25	s TRANSISTOR 2SA1774TL-QR
Q402	8-729-928-25	s TRANSISTOR 2SA1774TL-QR
Q403	8-729-928-25	s TRANSISTOR 2SA1774TL-QR
Q404	8-729-928-91	s TRANSISTOR DTC114EE-TL
Q405	8-729-928-73	s TRANSISTOR DTA114TE-TL
Q406	8-729-928-73	s TRANSISTOR DTA114TE-TL
R1	1-208-907-81	s RES, CHIP 6.8K (1005)
R2	1-208-907-81	s RES, CHIP 6.8K (1005)
R3	1-208-907-81	s RES, CHIP 6.8K (1005)
R4	1-208-903-81	s RES, CHIP 4.7K (1005)
R5	1-208-903-81	s RES, CHIP 4.7K (1005)
R6	1-208-935-81	s RES, CHIP 100K (1005)
R7	1-218-990-81	s CONDUCTOR, CHIP (1005)
R8	1-208-915-81	s RES, CHIP 15K (1005)
R9	1-208-887-81	s RES, CHIP 1.0K (1005)
R10	1-208-903-81	s RES, CHIP 4.7K (1005)
R11	1-218-990-81	s CONDUCTOR, CHIP (1005)
R12	1-208-895-81	s RES, CHIP 2.2K (1005)
R13	1-208-871-81	s RES, CHIP 220 (1005)
R14	1-208-903-81	s RES, CHIP 4.7K (1005)
R15	1-208-931-81	s RES, CHIP 68K (1005)
R16	1-208-931-81	s RES, CHIP 68K (1005)
R17	1-208-911-81	s RES, CHIP 10K (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R18	1-208-911-81	s RES, CHIP 10K (1005)
R19	1-208-927-81	s RES, CHIP 47K (1005)
R20	1-208-911-81	s RES, CHIP 10K (1005)
R21	1-208-903-81	s RES, CHIP 4.7K (1005)
R22	1-208-907-81	s RES, CHIP 6.8K (1005)
R23	1-208-907-81	s RES, CHIP 6.8K (1005)
R24	1-208-907-81	s RES, CHIP 6.8K (1005)
R25	1-208-927-81	s RES, CHIP 47K (1005)
R26	1-208-927-81	s RES, CHIP 47K (1005)
R27	1-208-927-81	s RES, CHIP 47K (1005)
R29	1-208-911-81	s RES, CHIP 10K (1005)
R30	1-208-915-81	s RES, CHIP 15K (1005)
R31	1-208-895-81	s RES, CHIP 2.2K (1005)
R32	1-208-919-81	s RES, CHIP 22K (1005)
R33	1-208-927-81	s RES, CHIP 47K (1005)
R34	1-208-879-81	s RES, CHIP 470 (1005)
R35	1-208-903-81	s RES, CHIP 4.7K (1005)
R36	1-208-919-81	s RES, CHIP 22K (1005)
R37	1-208-919-81	s RES, CHIP 22K (1005)
R38	1-208-887-81	s RES, CHIP 1.0K (1005)
R39	1-208-931-81	s RES, CHIP 68K (1005)
R42	1-208-863-81	s RES, CHIP 100 (1005)
R43	1-208-863-81	s RES, CHIP 100 (1005)
R44	1-208-927-81	s RES, CHIP 47K (1005)
R46	1-208-919-81	s RES, CHIP 22K (1005)
R47	1-218-602-91	s RES, METAL FILM (CHIP) 1
R48	1-208-927-81	s RES, CHIP 47K (1005)
R49	1-208-911-81	s RES, CHIP 10K (1005)
R50	1-208-923-81	s RES, CHIP 33K (1005)
R51	1-208-911-81	s RES, CHIP 10K (1005)
R52	1-208-923-81	s RES, CHIP 33K (1005)
R53	1-208-923-81	s RES, CHIP 33K (1005)
R54	1-208-911-81	s RES, CHIP 10K (1005)
R55	1-208-927-81	s RES, CHIP 47K (1005)
R56	1-208-927-81	s RES, CHIP 47K (1005)
R57	1-208-923-81	s RES, CHIP 33K (1005)
R58	1-208-907-81	s RES, CHIP 6.8K (1005)
R100	1-208-919-81	s RES, CHIP 22K (1005)
R101	1-208-935-81	s RES, CHIP 100K (1005)
R102	1-208-935-81	s RES, CHIP 100K (1005)
R103	1-218-990-81	s CONDUCTOR, CHIP (1005)
R104	1-208-863-81	s RES, CHIP 100 (1005)
R105	1-208-863-81	s RES, CHIP 100 (1005)
R106	1-208-863-81	s RES, CHIP 100 (1005)
R107	1-218-990-81	s CONDUCTOR, CHIP (1005)
R108	1-218-990-81	s CONDUCTOR, CHIP (1005)
R109	1-208-863-81	s RES, CHIP 100 (1005)
R110	1-208-863-81	s RES, CHIP 100 (1005)
R111	1-218-990-81	s CONDUCTOR, CHIP (1005)
R112	1-208-915-81	s RES, CHIP 15K (1005)
R113	1-208-915-81	s RES, CHIP 15K (1005)
R114	1-208-915-81	s RES, CHIP 15K (1005)
R115	1-208-915-81	s RES, CHIP 15K (1005)
R116	1-208-887-81	s RES, CHIP 1.0K (1005)
R117	1-208-911-81	s RES, CHIP 10K (1005)
R118	1-208-911-81	s RES, CHIP 10K (1005)
R119	1-208-887-81	s RES, CHIP 1.0K (1005)
R120	1-208-895-81	s RES, CHIP 2.2K (1005)
R121	1-208-919-81	s RES, CHIP 22K (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R122	1-208-923-81	s RES, CHIP 33K (1005)
R123	1-208-895-81	s RES, CHIP 2.2K (1005)
R124	1-208-919-81	s RES, CHIP 22K (1005)
R125	1-208-883-81	s RES, CHIP 680 (1005)
R126	1-208-923-81	s RES, CHIP 33K (1005)
R127	1-208-927-81	s RES, CHIP 47K (1005)
R128	1-208-927-81	s RES, CHIP 47K (1005)
R129	1-208-927-81	s RES, CHIP 47K (1005)
R130	1-208-883-81	s RES, CHIP 680 (1005)
R131	1-208-927-81	s RES, CHIP 47K (1005)
R132	1-218-990-81	s CONDUCTOR, CHIP (1005)
R133	1-218-990-81	s CONDUCTOR, CHIP (1005)
R134	1-208-903-81	s RES, CHIP 4.7K (1005)
R135	1-208-903-81	s RES, CHIP 4.7K (1005)
R136	1-218-990-81	s CONDUCTOR, CHIP (1005)
R137	1-218-990-81	s CONDUCTOR, CHIP (1005)
R138	1-218-990-81	s CONDUCTOR, CHIP (1005)
R139	1-218-990-81	s CONDUCTOR, CHIP (1005)
R141	1-218-990-81	s CONDUCTOR, CHIP (1005)
R142	1-218-990-81	s CONDUCTOR, CHIP (1005)
R143	1-218-990-81	s CONDUCTOR, CHIP (1005)
R145	1-208-943-81	s RES, CHIP 220K (1005)
R146	1-208-931-81	s RES, CHIP 68K (1005)
R147	1-218-990-81	s CONDUCTOR, CHIP (1005)
R200	1-208-919-81	s RES, CHIP 22K (1005)
R201	1-208-935-81	s RES, CHIP 100K (1005)
R202	1-208-935-81	s RES, CHIP 100K (1005)
R203	1-218-990-81	s CONDUCTOR, CHIP (1005)
R204	1-208-863-81	s RES, CHIP 100 (1005)
R205	1-208-863-81	s RES, CHIP 100 (1005)
R206	1-208-863-81	s RES, CHIP 100 (1005)
R207	1-218-990-81	s CONDUCTOR, CHIP (1005)
R208	1-208-895-81	s RES, CHIP 2.2K (1005)
R209	1-208-899-81	s RES, CHIP 3.3K (1005)
R210	1-208-899-81	s RES, CHIP 3.3K (1005)
R211	1-208-895-81	s RES, CHIP 2.2K (1005)
R212	1-208-919-81	s RES, CHIP 22K (1005)
R213	1-208-927-81	s RES, CHIP 47K (1005)
R214	1-208-919-81	s RES, CHIP 22K (1005)
R215	1-208-927-81	s RES, CHIP 47K (1005)
R216	1-208-887-81	s RES, CHIP 1.0K (1005)
R217	1-208-911-81	s RES, CHIP 10K (1005)
R218	1-208-911-81	s RES, CHIP 10K (1005)
R219	1-208-887-81	s RES, CHIP 1.0K (1005)
R220	1-208-895-81	s RES, CHIP 2.2K (1005)
R221	1-208-927-81	s RES, CHIP 47K (1005)
R222	1-208-927-81	s RES, CHIP 47K (1005)
R223	1-208-895-81	s RES, CHIP 2.2K (1005)
R224	1-208-927-81	s RES, CHIP 47K (1005)
R225	1-208-883-81	s RES, CHIP 680 (1005)
R226	1-208-927-81	s RES, CHIP 47K (1005)
R227	1-208-927-81	s RES, CHIP 47K (1005)
R228	1-208-927-81	s RES, CHIP 47K (1005)
R229	1-208-927-81	s RES, CHIP 47K (1005)
R230	1-208-883-81	s RES, CHIP 680 (1005)
R231	1-208-927-81	s RES, CHIP 47K (1005)
R233	1-218-990-81	s CONDUCTOR, CHIP (1005)
R234	1-208-903-81	s RES, CHIP 4.7K (1005)
R235	1-208-903-81	s RES, CHIP 4.7K (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R236	1-218-990-81	s CONDUCTOR, CHIP (1005)
R237	1-218-990-81	s CONDUCTOR, CHIP (1005)
R238	1-218-990-81	s CONDUCTOR, CHIP (1005)
R239	1-218-990-81	s CONDUCTOR, CHIP (1005)
R240	1-218-990-81	s CONDUCTOR, CHIP (1005)
R300	1-208-919-81	s RES, CHIP 22K (1005)
R301	1-208-935-81	s RES, CHIP 100K (1005)
R302	1-208-935-81	s RES, CHIP 100K (1005)
R303	1-218-990-81	s CONDUCTOR, CHIP (1005)
R304	1-208-863-81	s RES, CHIP 100 (1005)
R305	1-208-863-81	s RES, CHIP 100 (1005)
R306	1-208-863-81	s RES, CHIP 100 (1005)
R307	1-218-990-81	s CONDUCTOR, CHIP (1005)
R308	1-208-895-81	s RES, CHIP 2.2K (1005)
R309	1-208-899-81	s RES, CHIP 3.3K (1005)
R310	1-208-923-81	s RES, CHIP 33K (1005)
R311	1-208-919-81	s RES, CHIP 22K (1005)
R312	1-208-919-81	s RES, CHIP 22K (1005)
R313	1-208-927-81	s RES, CHIP 47K (1005)
R314	1-208-919-81	s RES, CHIP 22K (1005)
R315	1-208-919-81	s RES, CHIP 22K (1005)
R316	1-208-887-81	s RES, CHIP 1.0K (1005)
R317	1-208-911-81	s RES, CHIP 10K (1005)
R318	1-208-911-81	s RES, CHIP 10K (1005)
R319	1-208-887-81	s RES, CHIP 1.0K (1005)
R320	1-208-911-81	s RES, CHIP 10K (1005)
R321	1-208-927-81	s RES, CHIP 47K (1005)
R322	1-208-927-81	s RES, CHIP 47K (1005)
R323	1-208-895-81	s RES, CHIP 2.2K (1005)
R324	1-208-927-81	s RES, CHIP 47K (1005)
R325	1-208-883-81	s RES, CHIP 680 (1005)
R326	1-208-927-81	s RES, CHIP 47K (1005)
R327	1-208-927-81	s RES, CHIP 47K (1005)
R328	1-208-927-81	s RES, CHIP 47K (1005)
R329	1-208-927-81	s RES, CHIP 47K (1005)
R330	1-208-883-81	s RES, CHIP 680 (1005)
R331	1-208-927-81	s RES, CHIP 47K (1005)
R333	1-218-990-81	s CONDUCTOR, CHIP (1005)
R334	1-208-903-81	s RES, CHIP 4.7K (1005)
R335	1-208-903-81	s RES, CHIP 4.7K (1005)
R336	1-218-990-81	s CONDUCTOR, CHIP (1005)
R337	1-218-990-81	s CONDUCTOR, CHIP (1005)
R338	1-218-990-81	s CONDUCTOR, CHIP (1005)
R339	1-208-903-81	s RES, CHIP 4.7K (1005)
R340	1-220-804-81	s RES, CHIP 2.2M
R341	1-218-990-81	s CONDUCTOR, CHIP (1005)
R342	1-208-947-81	s RES, CHIP 330K (1005)
R344	1-218-990-81	s CONDUCTOR, CHIP (1005)
R345	1-208-935-81	s RES, CHIP 100K (1005)
R346	1-208-911-81	s RES, CHIP 10K (1005)
R347	1-208-935-81	s RES, CHIP 100K (1005)
R348	1-208-935-81	s RES, CHIP 100K (1005)
R349	1-218-990-81	s CONDUCTOR, CHIP (1005)
R400	1-208-899-81	s RES, CHIP 3.3K (1005)
R401	1-208-899-81	s RES, CHIP 3.3K (1005)
R402	1-208-899-81	s RES, CHIP 3.3K (1005)
R403	1-208-907-81	s RES, CHIP 6.8K (1005)
R404	1-208-907-81	s RES, CHIP 6.8K (1005)
R405	1-208-907-81	s RES, CHIP 6.8K (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R406	1-208-927-81	s RES, CHIP 47K (1005)
R407	1-208-887-81	s RES, CHIP 1.0K (1005)
R408	1-208-887-81	s RES, CHIP 1.0K (1005)
R409	1-208-887-81	s RES, CHIP 1.0K (1005)
R410	1-208-887-81	s RES, CHIP 1.0K (1005)
R415	1-208-899-81	s RES, CHIP 3.3K (1005)
R416	1-208-907-81	s RES, CHIP 6.8K (1005)
R417	1-208-895-81	s RES, CHIP 2.2K (1005)
R418	1-208-907-81	s RES, CHIP 6.8K (1005)
R420	1-218-990-81	s CONDUCTOR, CHIP (1005)
R421	1-218-990-81	s CONDUCTOR, CHIP (1005)
R423	1-208-887-81	s RES, CHIP 1.0K (1005)
R425	1-208-907-81	s RES, CHIP 6.8K (1005)
R426	1-208-863-81	s RES, CHIP 100 (1005)
R428	1-208-907-81	s RES, CHIP 6.8K (1005)
R429	1-208-895-81	s RES, CHIP 2.2K (1005)
R432	1-208-935-81	s RES, CHIP 100K (1005)
R433	1-208-895-81	s RES, CHIP 2.2K (1005)
R434	1-208-919-81	s RES, CHIP 22K (1005)
R436	1-208-887-81	s RES, CHIP 1.0K (1005)
R437	1-218-990-81	s CONDUCTOR, CHIP (1005)
R439	1-208-887-81	s RES, CHIP 1.0K (1005)
R440	1-208-887-81	s RES, CHIP 1.0K (1005)
R441	1-208-887-81	s RES, CHIP 1.0K (1005)
R442	1-208-887-81	s RES, CHIP 1.0K (1005)
R455	1-208-907-81	s RES, CHIP 6.8K (1005)
R456	1-208-907-81	s RES, CHIP 6.8K (1005)
R457	1-208-907-81	s RES, CHIP 6.8K (1005)
R458	1-208-899-81	s RES, CHIP 3.3K (1005)
R459	1-208-899-81	s RES, CHIP 3.3K (1005)
R460	1-208-899-81	s RES, CHIP 3.3K (1005)
R464	1-208-911-81	s RES, CHIP 10K (1005)
R465	1-208-911-81	s RES, CHIP 10K (1005)
R466	1-208-911-81	s RES, CHIP 10K (1005)
R467	1-208-899-81	s RES, CHIP 3.3K (1005)
R468	1-208-899-81	s RES, CHIP 3.3K (1005)
R469	1-208-899-81	s RES, CHIP 3.3K (1005)
R474	1-208-899-81	s RES, CHIP 3.3K (1005)
R476	1-208-899-81	s RES, CHIP 3.3K (1005)
R478	1-208-899-81	s RES, CHIP 3.3K (1005)
R485	1-208-899-81	s RES, CHIP 3.3K (1005)
R486	1-208-899-81	s RES, CHIP 3.3K (1005)
R487	1-208-899-81	s RES, CHIP 3.3K (1005)
R491	1-220-870-81	s RES, CHIP 10 (1005)
R492	1-220-870-81	s RES, CHIP 10 (1005)
R493	1-220-870-81	s RES, CHIP 10 (1005)
R495	1-208-891-81	s RES, CHIP 1.5K (1005)
R496	1-220-878-81	s RES, CHIP 22 (1005)
R497	1-220-878-81	s RES, CHIP 22 (1005)
R498	1-218-990-81	s CONDUCTOR, CHIP (1005)
R499	1-218-990-81	s CONDUCTOR, CHIP (1005)
R500	1-208-875-81	s RES, CHIP 330 (1005)
R502	1-208-895-81	s RES, CHIP 2.2K (1005)
R504	1-208-895-81	s RES, CHIP 2.2K (1005)
R506	1-208-895-81	s RES, CHIP 2.2K (1005)
R507	1-220-870-81	s RES, CHIP 10 (1005)
R508	1-220-870-81	s RES, CHIP 10 (1005)
R509	1-220-870-81	s RES, CHIP 10 (1005)
R510	1-208-887-81	s RES, CHIP 1.0K (1005)

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Ref. No. or Q'ty	Part No.	SP Description
R511	1-208-887-81	s RES, CHIP 1.0K (1005)
R512	1-208-887-81	s RES, CHIP 1.0K (1005)
R513	1-208-863-81	s RES, CHIP 100 (1005)
R514	1-208-863-81	s RES, CHIP 100 (1005)
R515	1-208-863-81	s RES, CHIP 100 (1005)
R523	1-208-863-81	s RES, CHIP 100 (1005)
R524	1-208-911-81	s RES, CHIP 10K (1005)
R525	1-208-863-81	s RES, CHIP 100 (1005)
R526	1-208-863-81	s RES, CHIP 100 (1005)
R527	1-208-863-81	s RES, CHIP 100 (1005)
R528	1-208-863-81	s RES, CHIP 100 (1005)
R529	1-208-863-81	s RES, CHIP 100 (1005)
R530	1-208-863-81	s RES, CHIP 100 (1005)
R531	1-208-887-81	s RES, CHIP 1.0K (1005)
R535	1-245-999-11	s RES, SQUARE CHIP 0.047 (2012)
R536	1-245-999-11	s RES, SQUARE CHIP 0.047 (2012)
R537	1-220-878-81	s RES, CHIP 22 (1005)
R538	1-220-878-81	s RES, CHIP 22 (1005)
R539	1-220-878-81	s RES, CHIP 22 (1005)
R540	1-220-878-81	s RES, CHIP 22 (1005)
R541	1-218-990-81	s CONDUCTOR, CHIP (1005)
R542	1-208-863-81	s RES, CHIP 100 (1005)
R543	1-208-919-81	s RES, CHIP 22K (1005)
R545	1-220-870-81	s RES, CHIP 10 (1005)
R547	1-218-990-81	s CONDUCTOR, CHIP (1005)
R550	1-218-990-81	s CONDUCTOR, CHIP (1005)
R552	1-218-990-81	s CONDUCTOR, CHIP (1005)
R554	1-218-990-81	s CONDUCTOR, CHIP (1005)
THP1	△ 1-802-108-11	s THERMISTOR, POSITIVE
TP100	1-535-877-22	s CHIP, CHECKER
TP101	1-535-877-22	s CHIP, CHECKER
TP102	1-535-877-22	s CHIP, CHECKER
TP103	1-535-877-22	s CHIP, CHECKER
TP200	1-535-877-22	s CHIP, CHECKER
TP201	1-535-877-22	s CHIP, CHECKER
TP202	1-535-877-22	s CHIP, CHECKER
TP300	1-535-877-22	s CHIP, CHECKER
TP301	1-535-877-22	s CHIP, CHECKER
TP302	1-535-877-22	s CHIP, CHECKER
TP400	1-535-757-21	s CHIP, CHECKER
TP401	1-535-757-21	s CHIP, CHECKER
TP402	1-535-757-21	s CHIP, CHECKER
TP403	1-535-757-21	s CHIP, CHECKER
TP404	1-535-757-21	s CHIP, CHECKER
TP405	1-535-757-21	s CHIP, CHECKER

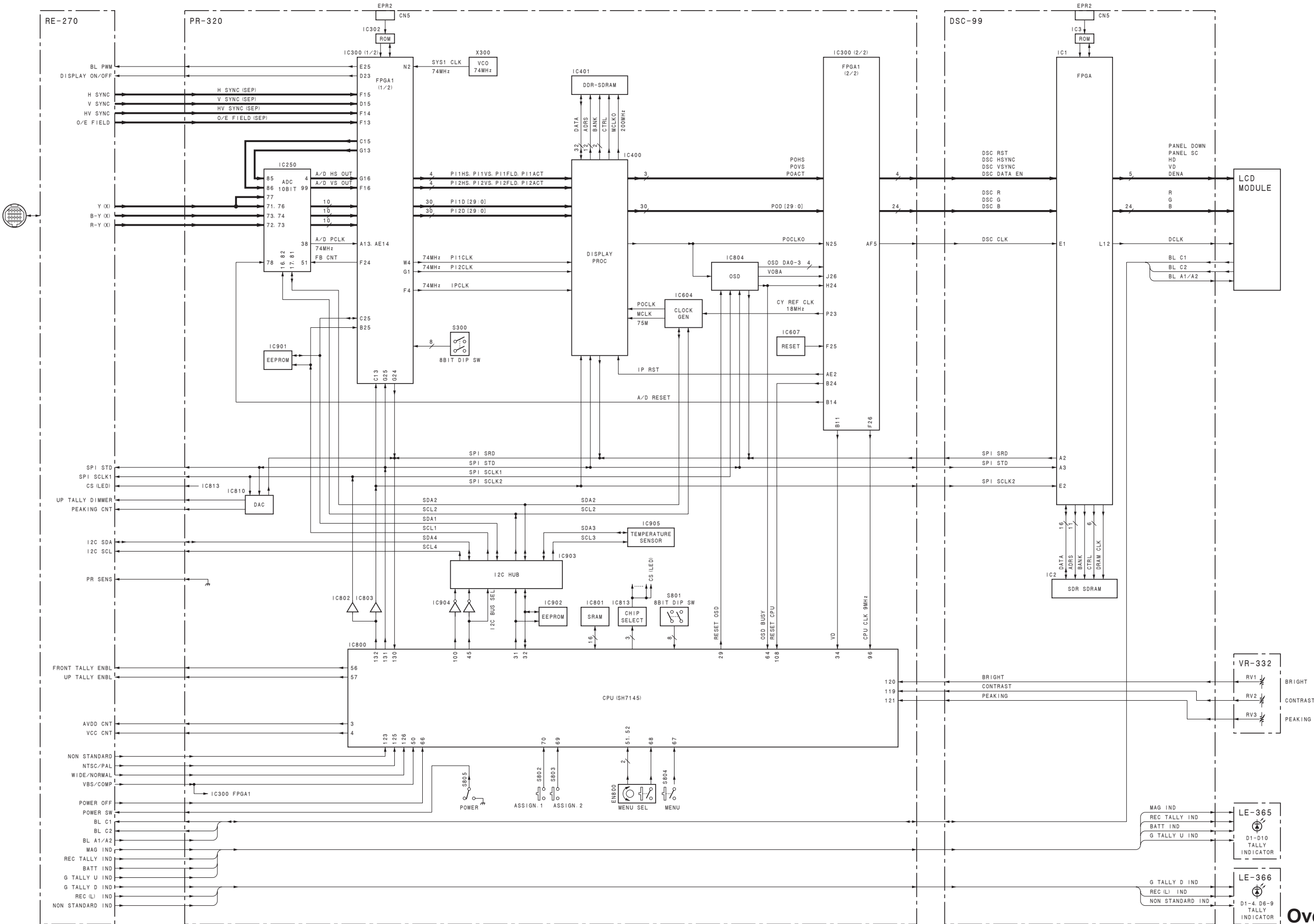
VR-332 BOARD

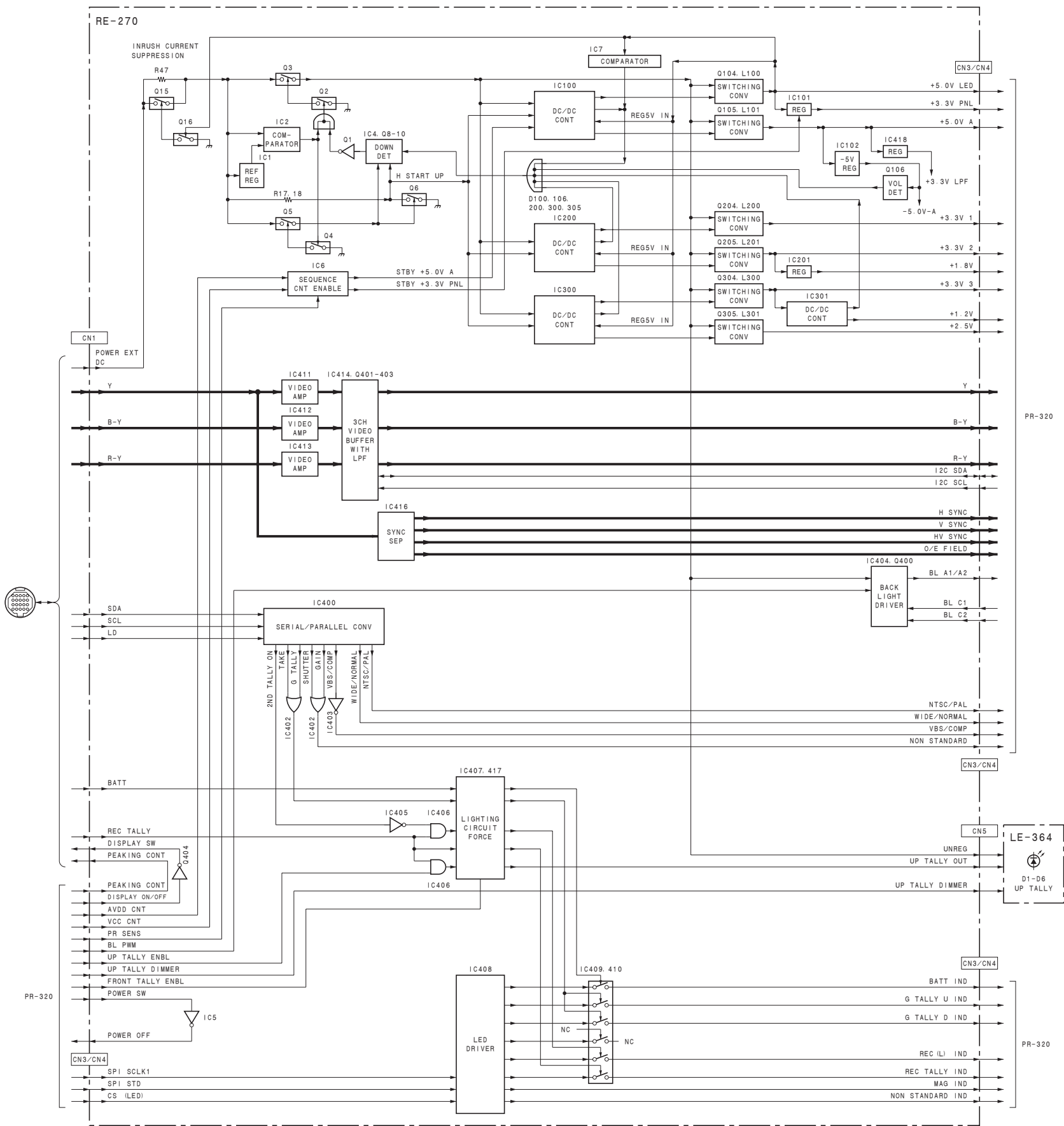
Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1764-644-A	s MOUNTED CIRCUIT BOARD, VR-332
C1	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C2	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C3	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C4	1-100-916-11	s CAP, CERAMIC 0.1MF X7R 1005
C5	1-112-691-11	s CAP, CERAMIC 22MF R 3225
CN1	1-770-622-21	s PIN, CONNECTOR 5P
L1	1-414-398-41	s INDUCTOR (SMD) 10.0UH
R1	1-218-990-81	s CONDUCTOR, CHIP (1005)
R2	1-218-990-81	s CONDUCTOR, CHIP (1005)
R3	1-218-990-81	s CONDUCTOR, CHIP (1005)
RV1	1-237-979-31	s RES, VAR, CARBON 10K
RV2	1-237-979-31	s RES, VAR, CARBON 10K
RV3	1-237-979-31	s RES, VAR, CARBON 10K

5-4. Supplied Accessories

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-1758-095-A	s HOOD ASSY, INDOOR
1pc	3-167-517-02	s PLATE, NUMBER
1pc	△ 4-186-847-01	s OPERATING INSTRUCTIONS

Section 6
Block Diagrams





Section 7

Schematic Diagrams

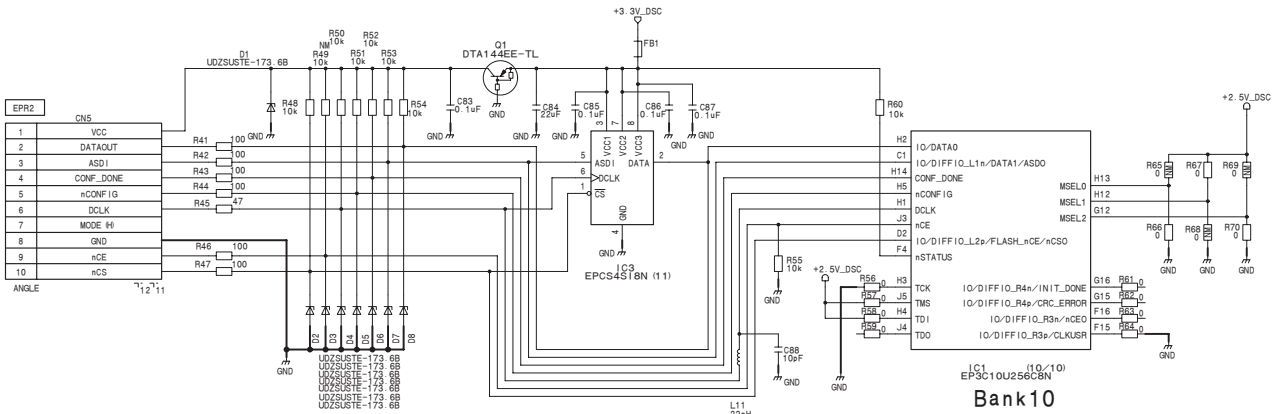
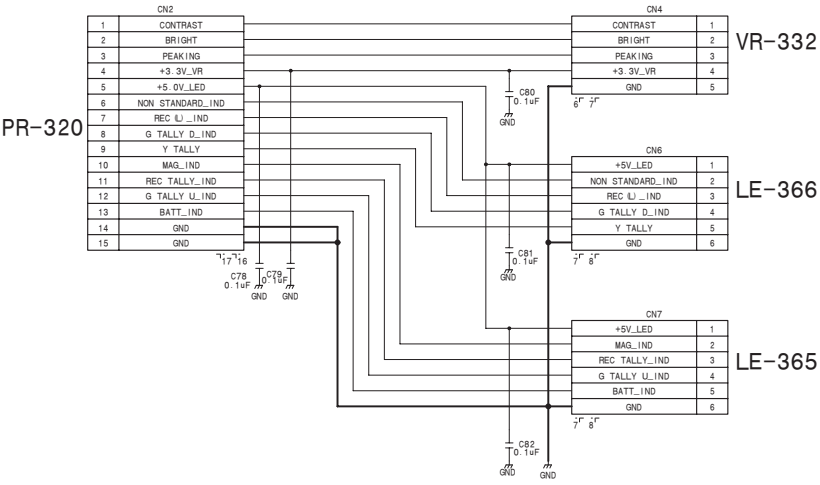
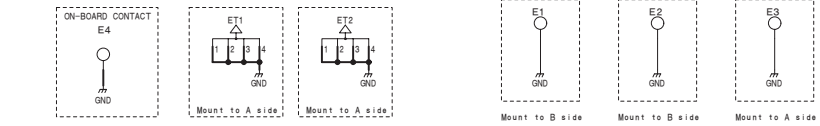
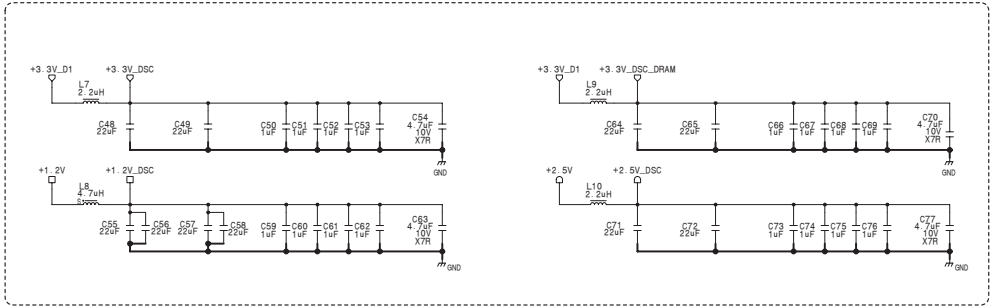
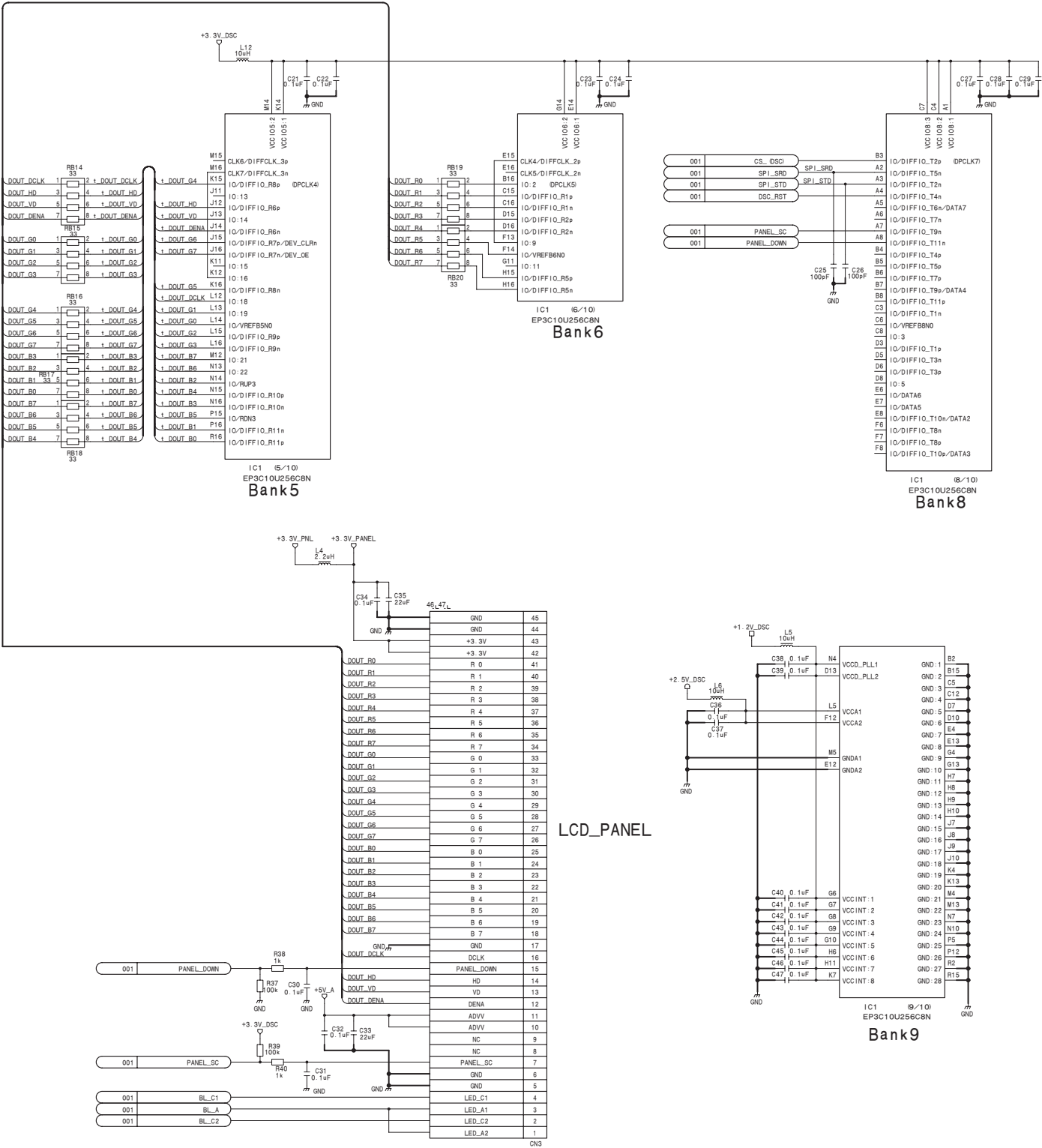
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Frame Wiring	7-20

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SUFFIX: -11





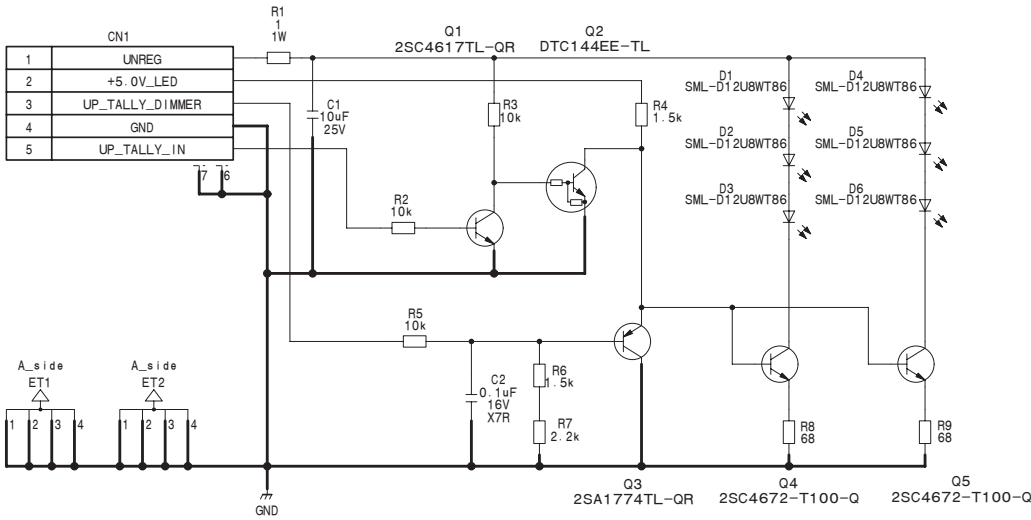
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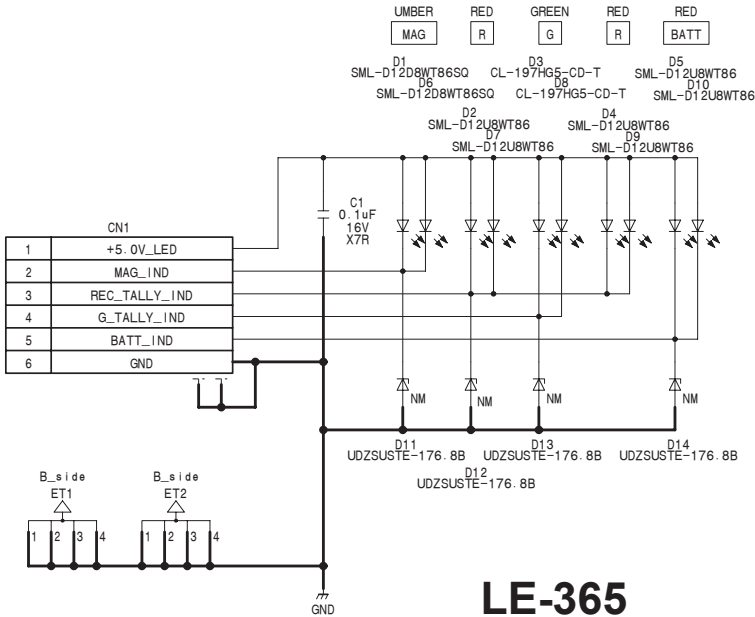


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LE-364

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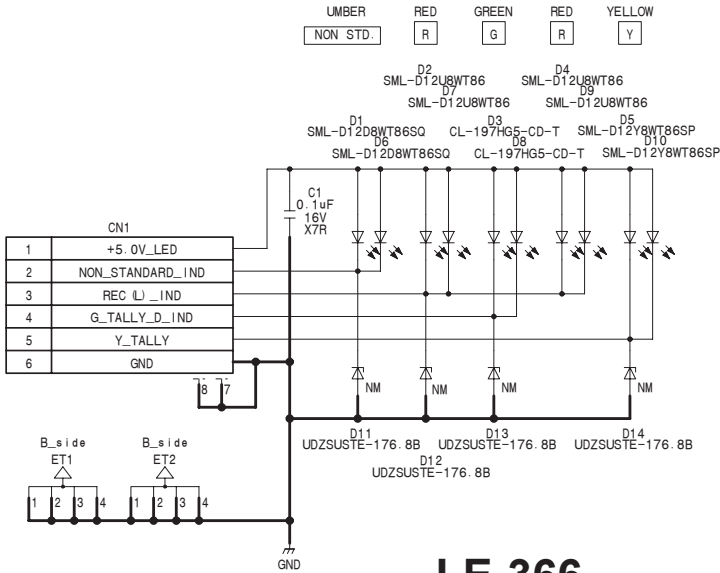


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LE-365

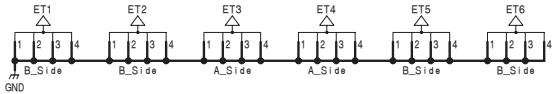
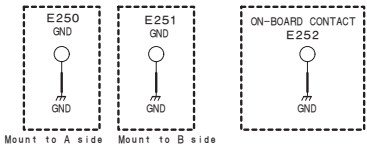
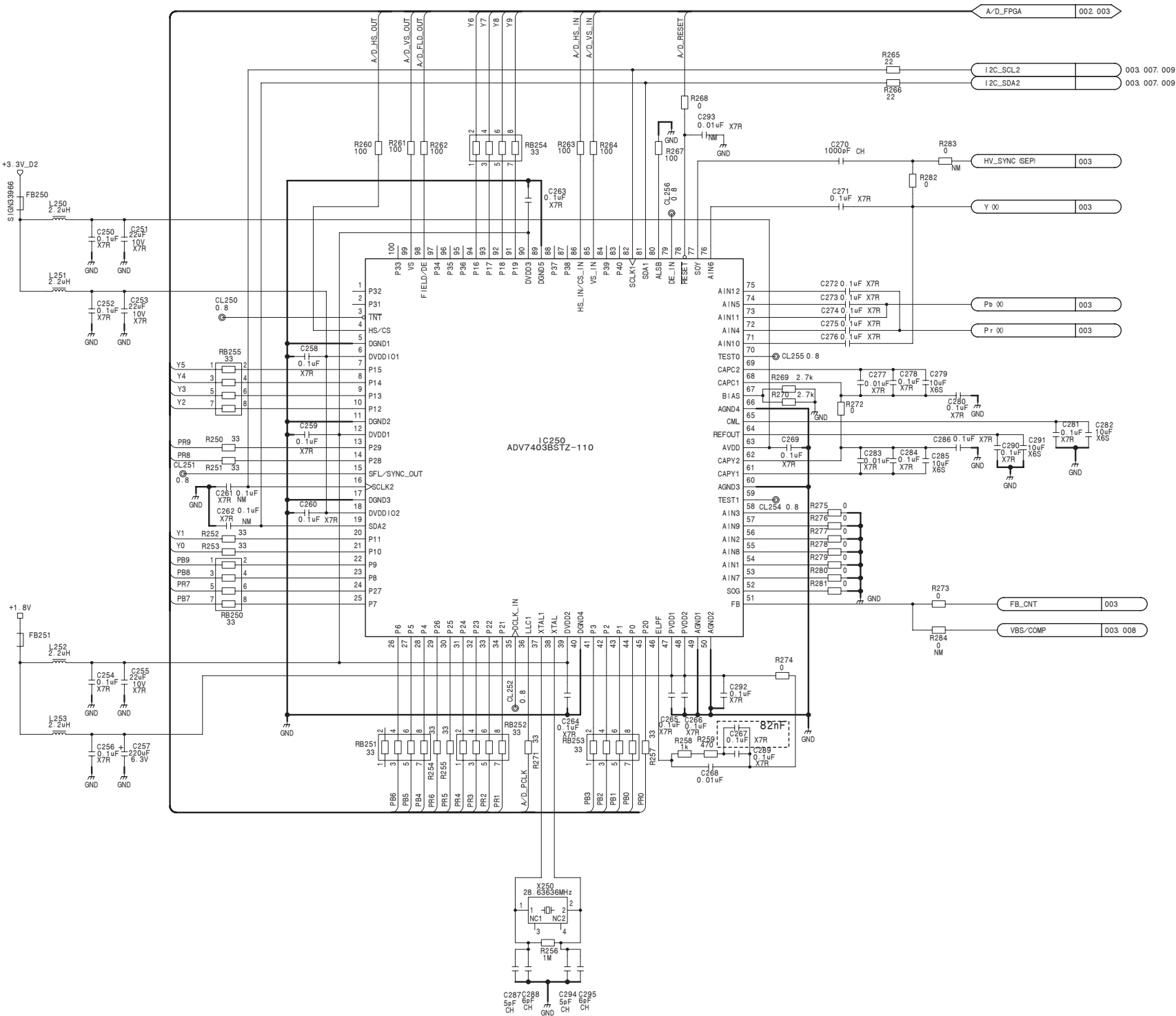
BOARD NO. 1-882-067-11
HDVF-C550W_LE-365_011_1

5

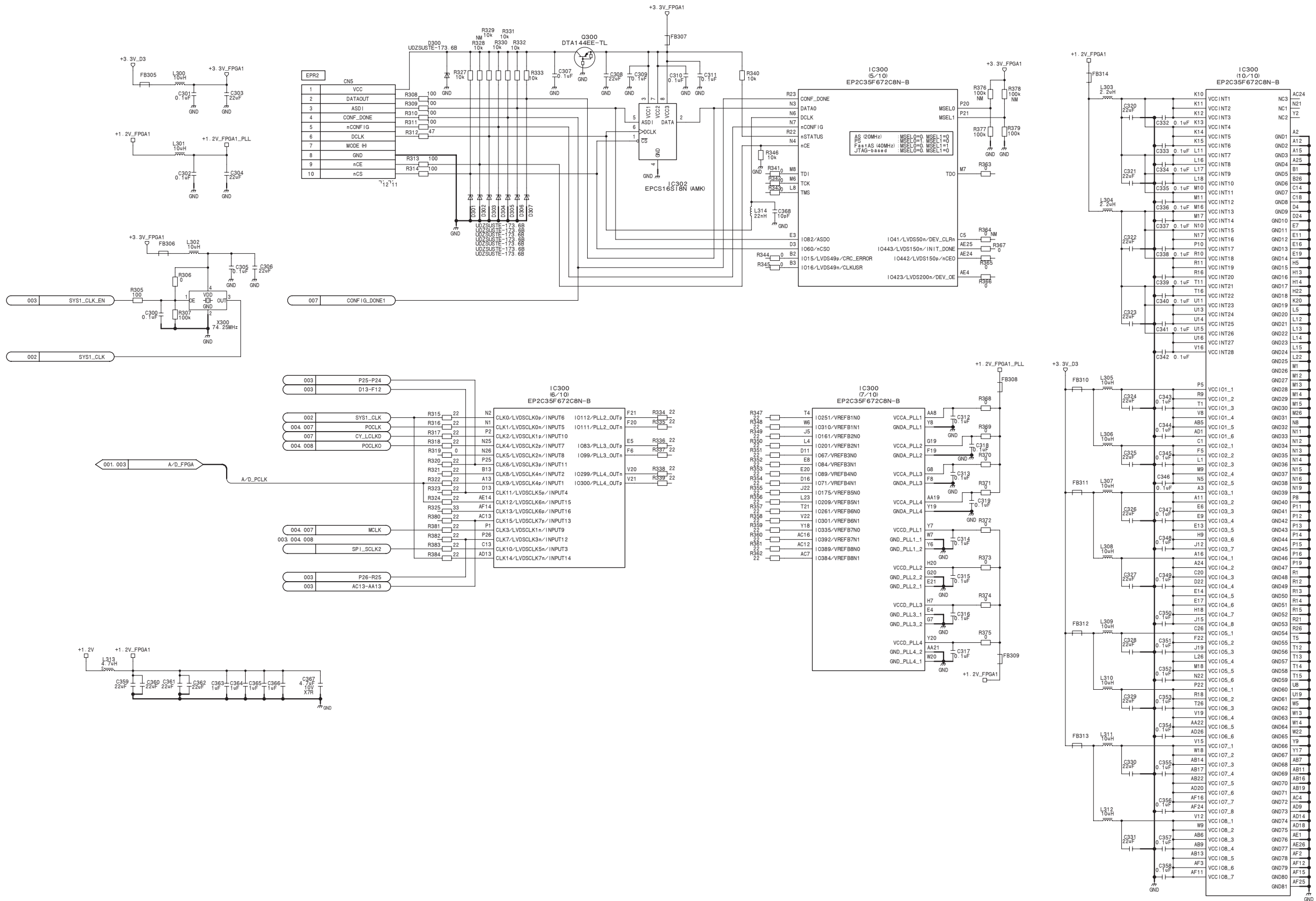


LE-366

BOARD NO. 1-882-068-11
HDVF-C550W_LE-366_011_1

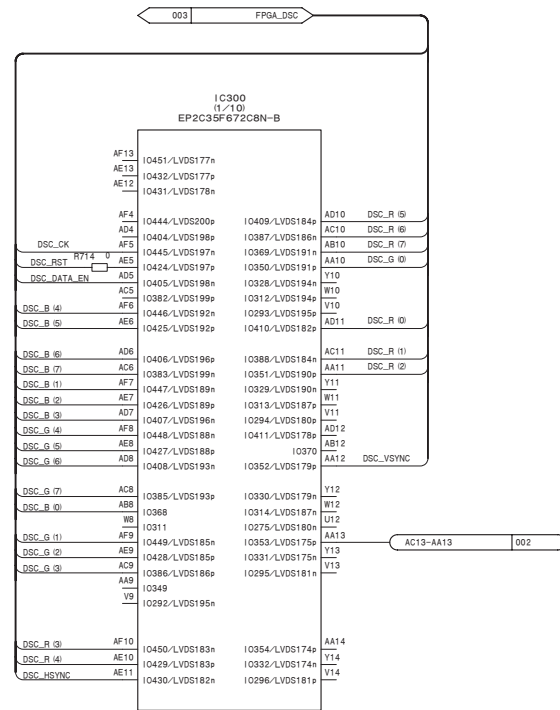
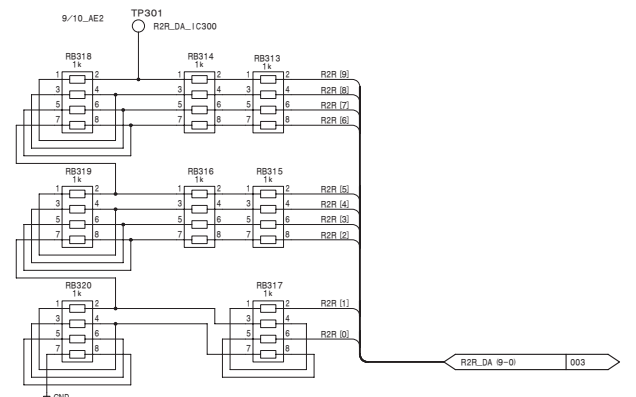
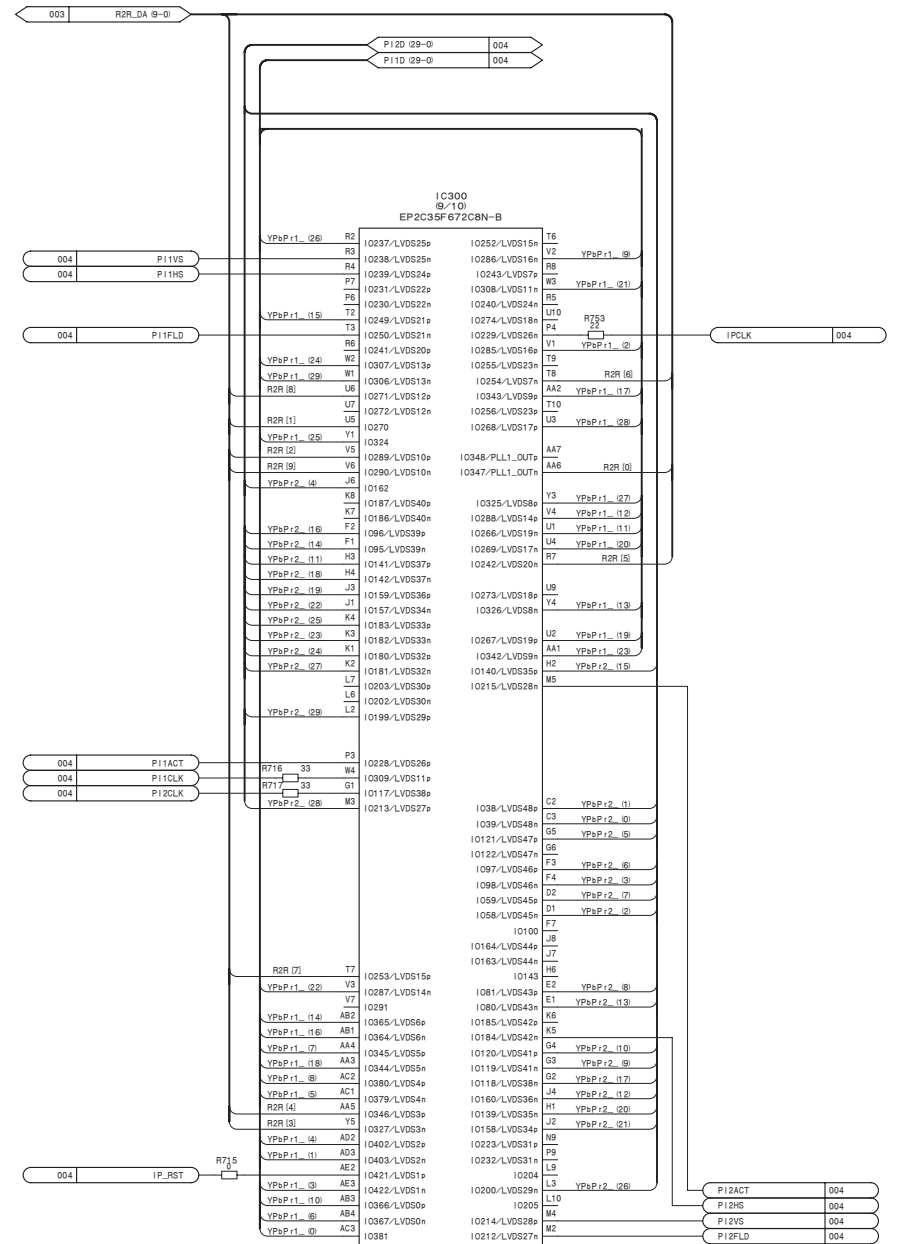
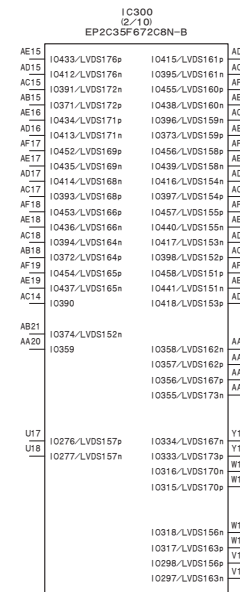
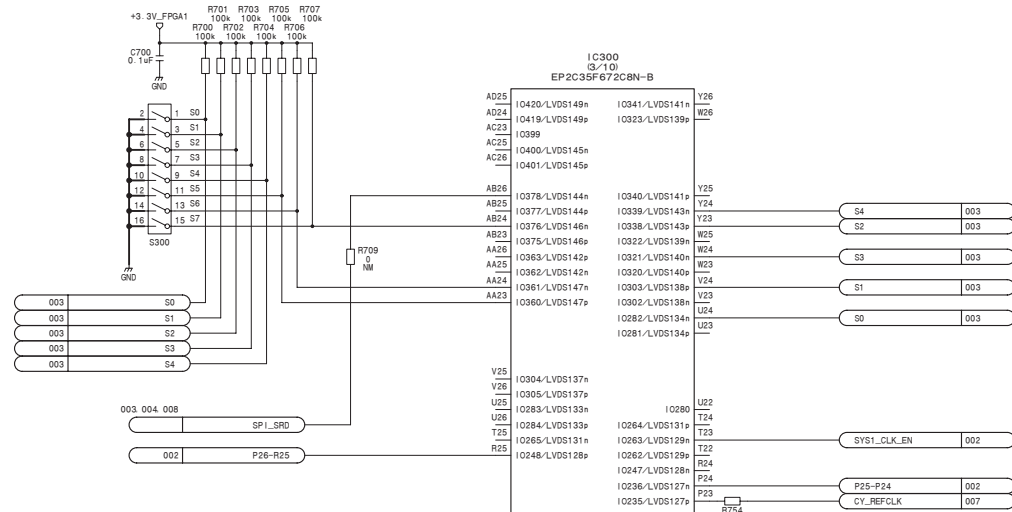


PR-320 (1/9)
BOARD NO. 1-882-063-11
HDVF-C550W_PR-320_011_1



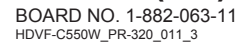
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SUFFIX: -11



SUFFIX: -11

SUFFIX: -11



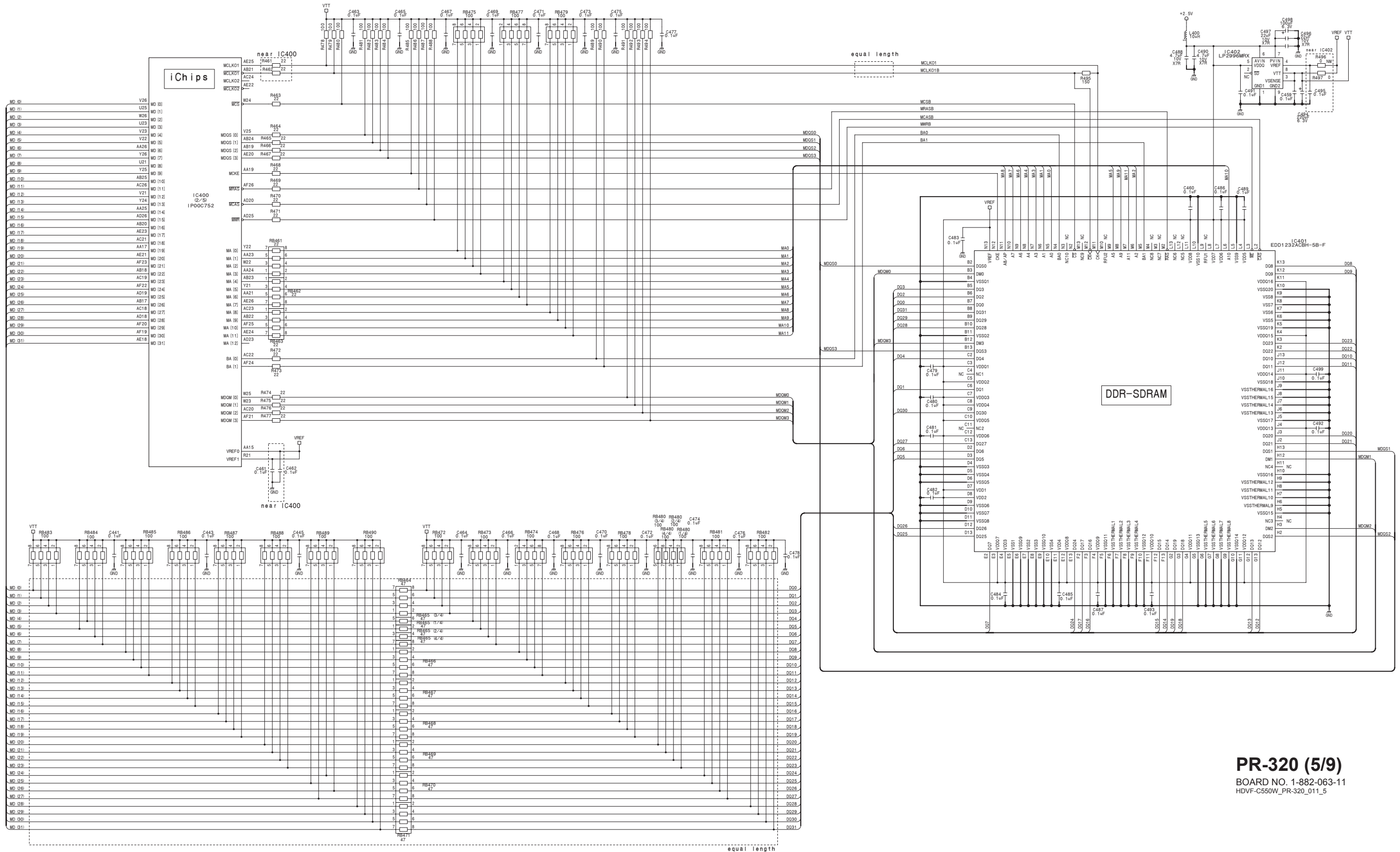
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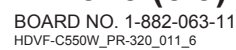
BOARD NO. 1-882-063-11
HDVF-C550W_PR-320_011_4

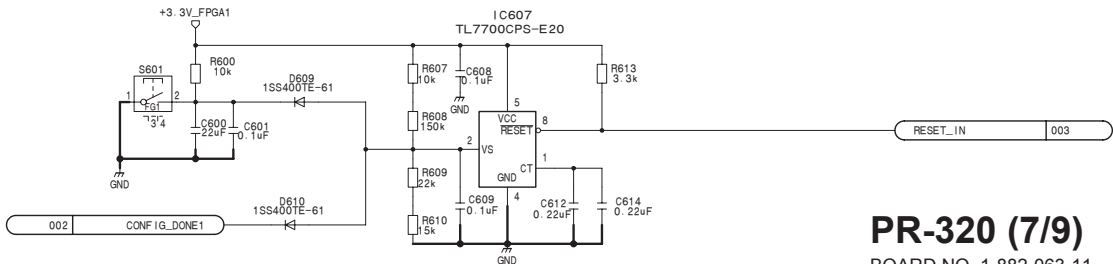
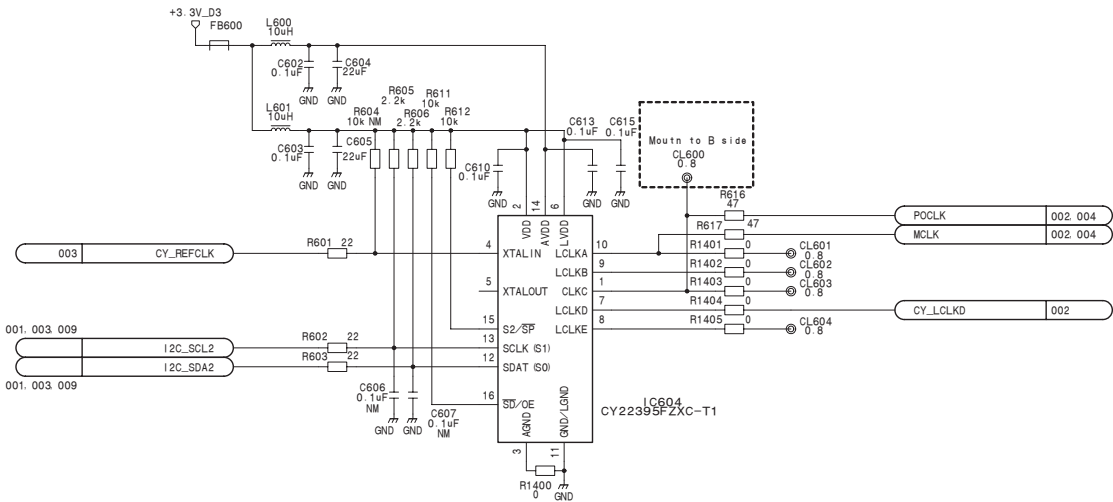
DXF-C50W



PR-320 (5/9)

BOARD NO. 1-882-063-11
HDVF-C550W_PR-320_011_5

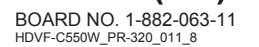


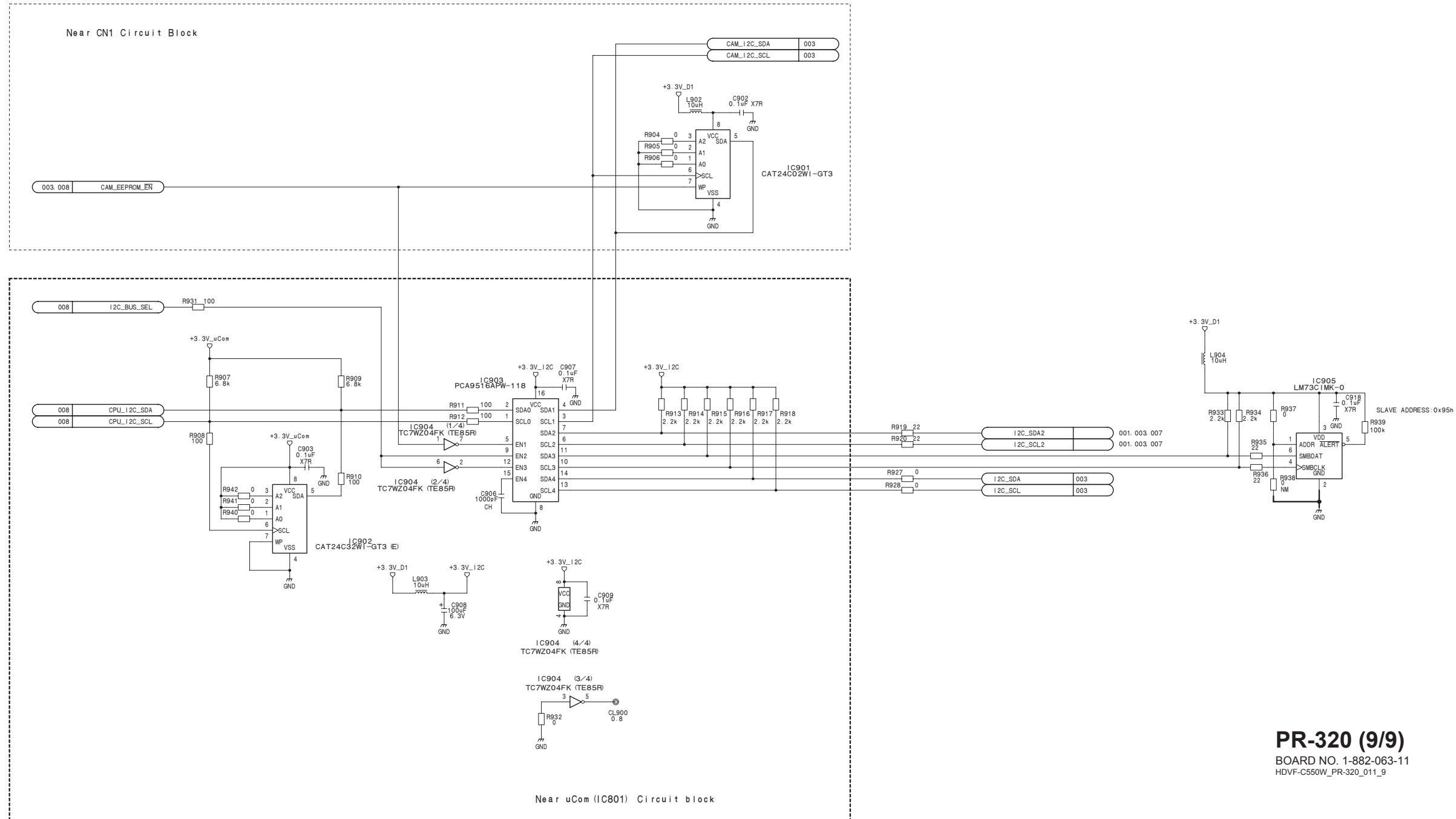


PR-320 (7/9)
BOARD NO. 1-882-063-11
HDVF-C550W_PR-320_011_7

SUFFIX: -11

SUFFIX: -11



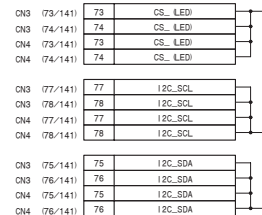
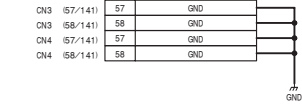


PR-320 (9/9)

BOARD NO. 1-882-063-11
HDVF-C550W_PR-320_011_9

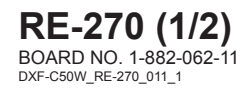
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SUFFIX: -11



RE-270 (1/2)

SUFFIX: -11



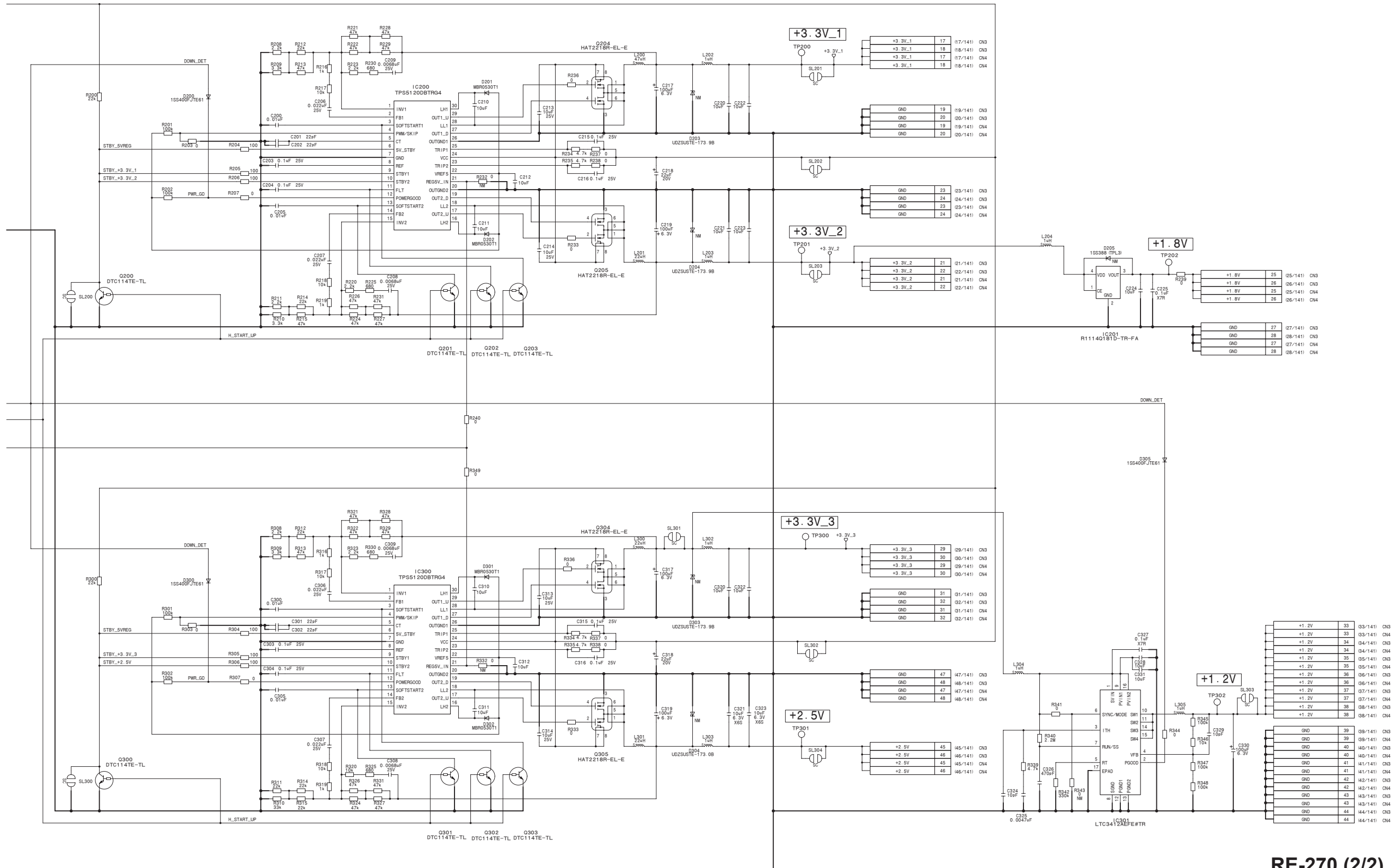
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SUFFIX: -11



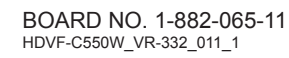
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SUFFIX: -11



RE-270 (2/2)
BOARD NO. 1-882-062-11
DXF-C50W_RE-270_011_2

SUFFIX: -11



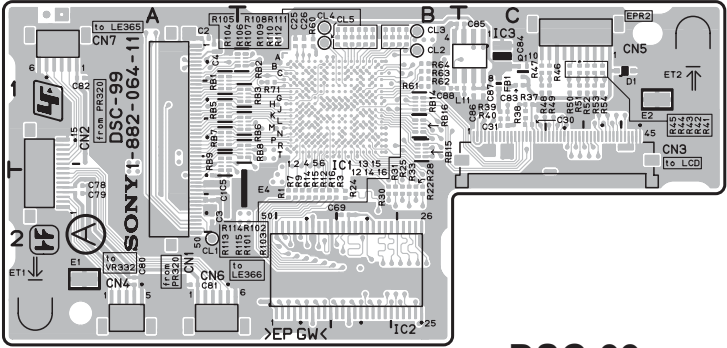
SUFFIX: -11



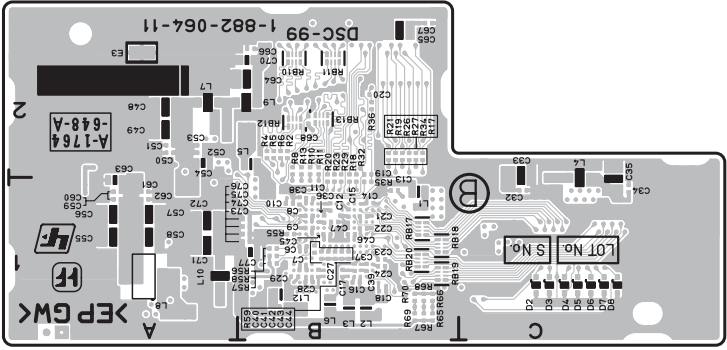
Section 8
Board Layouts

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LE-365	8-2
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PR-320	8-3
RE-270	8-4
VR-332	8-2



DSC-99 -A SIDE-
SUFFIX:-11



DSC-99 -B SIDE-
SUFFIX:-11

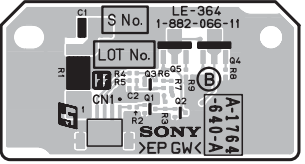
DSC-99 (1-882-064-11)

*:B SIDE

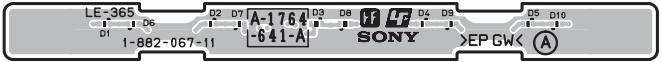
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C2	A1	CL4	B1	R43	C1
C3	A2	CL5	B1	R44	C1
C4	A1			R45	C1
C5	A2	CN1	A1	R46	C1
C6	*B1	CN2	A2	R47	C1
C7	*B1	CN3	C1	R48	C1
C8	*B1	CN4	A2	R49	C1
C9	*B1	CN5	C1	R50	C1
C10	*B1	CN6	A2	R51	C1
C11	*B1	CN7	A1	R52	C1
C12	*B1			R53	C1
C13	*B1	D1	C1	R54	C1
C14	*B1	D2	*C1	R55	*B1
C15	*B1	D3	*C1	R56	*B1
C16	*B1	D4	*C1	R57	*B1
C17	*B1	D5	*C1	R58	*B1
C18	*B1	D6	*C1	R59	*B1
C19	*B2	D7	*C1	R60	B1
C20	*B2	D8	*C1	R61	B1
C21	*B1			R62	B1
C22	*B1	E1	A2	R63	B1
C23	*B1	E2	C1	R64	B1
C24	*B1	E3	*A2	R65	*B1
C25	B1	E4	B2	R66	*B1
C26	B1			R67	*B1
C27	*B1	ET1	A2	R68	*B1
C28	*B1	ET2	C1	R69	*B1
C29	*B1			R70	*B1
C30	C1	FB1	C1	R71	B1
C31	C1			R101	B1
C32	*C1	IC1	B1	R102	B1
C33	*C2	IC2	B2	R103	B1
C34	*C1	IC3	C1	R104	B1
C35	*C1			R105	B1
C36	*B1	L1	*B1	R106	B1
C37	*B1	L2	*B1	R107	B1
C38	*B1	L3	*B1	R108	B1
C39	*B1	L4	*C1	R109	B1
C40	*B1	L5	*B2	R110	B1
C41	*B1	L6	*B1	R111	B1
C42	*B1	L7	*A2	R112	B1
C43	*B1	L8	*A1	R113	B1
C44	*B1	L9	*B2	R114	B1
C45	*B1	L10	*A1	R115	B1
C46	*B1	L11	C1		
C47	*B1	L12	*B1	RB1	A1
C48	*A2			RB2	B1
C49	*A2	Q1	C1	RB3	B1
C50	*A2			RB5	A1
C51	*A2	R1	B2	RB6	B1
C52	*A2	R2	*B2	RB7	A1
C53	*A2	R3	B2	RB8	B1
C54	*A2	R4	*B2	RB9	A1
C55	*A1	R5	*B2	RB10	*B2
C56	*A1	R6	*B2	RB11	*B2
C57	*A1	R7	B2	RB12	*B2
C58	*A1	R8	*B2	RB13	*B2
C59	*A1	R9	B2	RB14	B1
C60	*A1	R10	*B2	RB15	B1
C61	*A1	R11	*B2	RB16	B1
C62	*A1	R12	B2	RB17	*B1
C63	*A1	R13	*B2	RB18	*B1
C64	*B2	R14	B2	RB19	*B1
C65	*B2	R15	B2	RB20	*B1
C66	*B2	R16	B2		
C67	*B2	R17	*B2		
C68	*B2	R18	*B1		
C69	B2	R19	*B2		
C70	*B2	R20	*B1		
C71	*A1	R21	*B2		
C72	*A1	R22	B2		
C73	*B1	R23	*B1		
C74	*B1	R24	B2		
C75	*B1	R25	B2		
C76	*B1	R26	*B2		
C77	*B1	R27	*B2		
C78	A2	R28	B2		
C79	A2	R29	*B1		
C80	A2	R30	B2		
C81	A2	R31	B2		
C82	A1	R32	*B1		
C83	C1	R33	B2		
C84	C1	R34	*B2		
C85	C1	R35	*B1		
C86	C1	R36	*B2		
C87	C1	R37	C1		
C88	B1	R38	C1		
		R39	C1		
		R40	C1		
CL1	A2	R41	C1		
CL2	B1				



LE-364 -A SIDE-
SUFFIX:-11



LE-364 -B SIDE-
SUFFIX:-11



LE-365 -A SIDE-
SUFFIX:-11



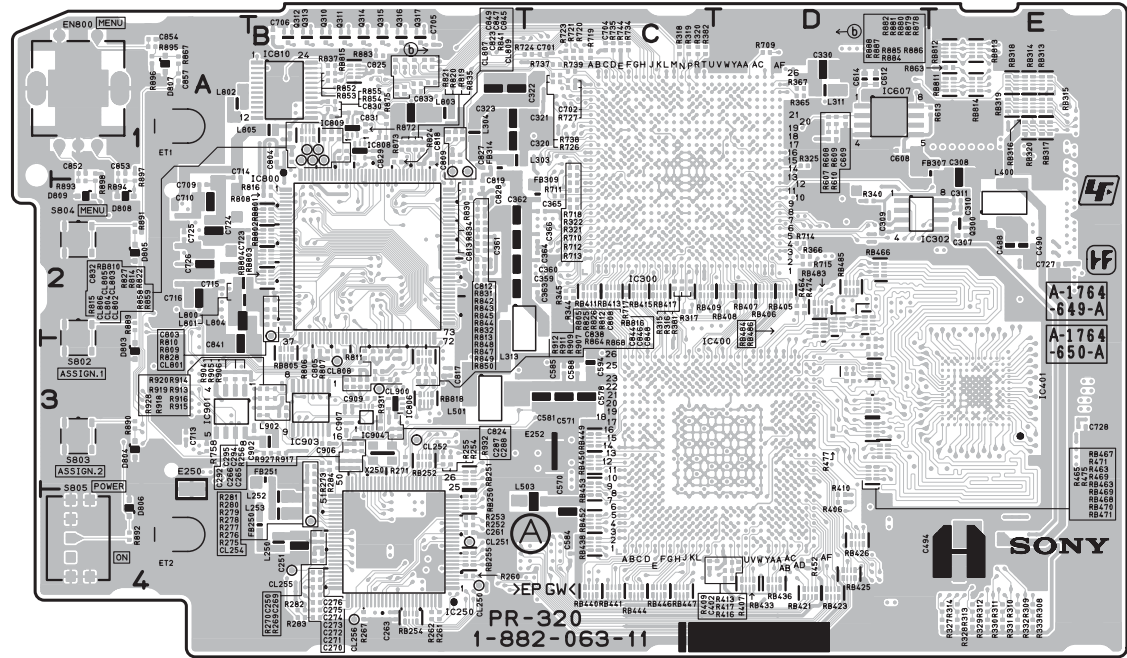
LE-365 -B SIDE-
SUFFIX:-11



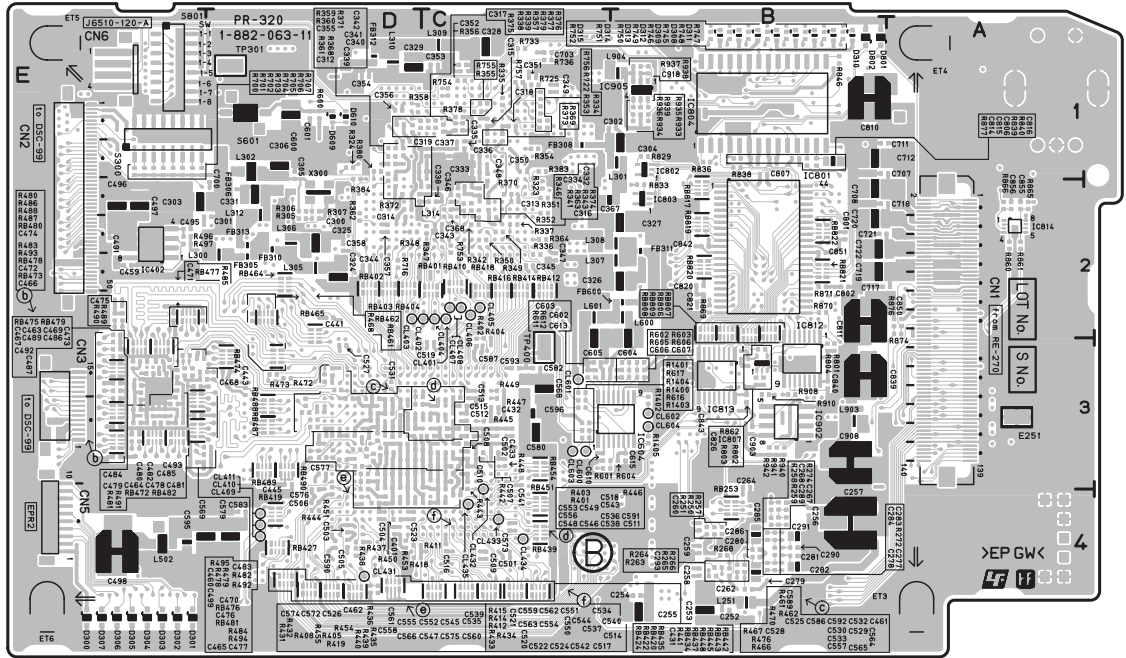
PR-320 (1-882-063-11)

*:B SIDE

C250	B4	C345	*C2
C251	B4	C346	*C2
C252	*B4	C347	*C2
C253	*B4	C348	*C1
C254	*B4	C349	*C1
C255	*B4	C350	*C1
C256	*B4	C351	*C1
C257	*B4	C352	*C1
C258	*B4	C353	*C1
C259	*B4	C354	*D1
C260	*B4	C355	*D1
C261	B4	C356	*D1
C262	*B4	C357	*D2
C263	B4	C358	*D2
C264	*B3	C359	B2
C265	B3	C360	B2
C266	B3	C361	B2
C267	*B4	C362	B2
C268	*B4	C363	C2
C269	B4	C364	C2
C270	B4	C365	C2
C271	B4	C366	C2
C272	B4	C367	*C2
C273	B4	C368	*C2
C274	B4	C401	*D4
C275	B4	C402	D4
C276	B4	C431	*D4
C277	*B4	C432	*C3
C278	*B4	C433	*C3
C279	*B4	C441	*D2
C280	*B4	C443	*D3
C281	*B4	C445	*D3
C282	*B4	C459	*E2
C283	*B4	C460	*E3
C284	*B4	C461	*D3
C285	*B4	C462	*D3
C286	*B4	C463	*E3
C287	B3	C464	*E3
C288	B3	C465	*E3
C289	*B4	C466	*E3
C290	*B4	C467	*E3
C291	*B4	C468	*D3
C292	B3	C469	*E3
C293	*B4	C470	*E3
C294	B3	C471	*E2
C295	B3	C472	*E3
C300	*D2	C473	*E3
C301	*D2	C474	*E3
C302	*B1	C475	*E2
C303	*E2	C476	*E3
C304	*B1	C477	*D3
C305	*D1	C478	*E3
C306	*D1	C479	*E3
C307	E2	C480	*E3
C308	E1	C481	*E3
C309	D2	C482	*E3
C310	E2	C483	*E3
C311	E2	C484	*E3
C312	*D2	C485	*E3
C313	*C2	C486	*E3
C314	*D2	C487	*E3
C315	*C1	C488	E2
C316	*C2	C489	*E3
C317	*D1	C490	E2
C318	*C1	C491	*E2
C319	*D1	C492	*E3
C320	B1	C493	*E3
C321	B1	C494	E4
C322	B1	C495	*E2
C323	B1	C496	*E2
C324	*D2	C497	*E2
C325	*D2	C498	*E4
C326	*B2	C499	*E3
C327	*B2	C501	*C4
C328	*C1	C502	*C3
C329	*D1	C503	*D4
C330	D1	C504	*D4
C331	*D2	C505	*D4
C332	*C2	C506	*D4
C333	*C1	C507	*C3
C334	*C2	C508	*C3
C335	*C1	C509	*C4
C336	*C1	C510	*C3
C337	*C1	C511	*C3
C338	*C2	C512	*C3
C339	*D2	C513	*C3
C340	*C2	C514	*C4
C341	*C1	C515	*C3
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C343	*C2	C517	*C4
C344	*D2	C518	*C3



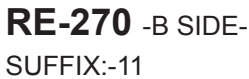
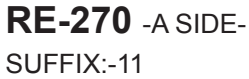
PR-320 -A SIDE-
SUFFIX:-11



PR-320 -B SIDE-
SUFFIX:-11

C500	*C3	C572	*D3	C712	*B1	C841	A3	CL801	B2	ET2	A4	L301	*B1	R262	B4	R335	*C1	R403	*D3	R471	D3	R710	C2	R813	B2	R871	*B2	R936	*B1	RB425	D4	RB488	*D3
C520	*D4	C573	*C4	C713	A3	C842	*B2	CL802	B1	ET3	*A4	L302	*D1	R263	*B4	R336	*C2	R404	*C3	R472	*D3	R711	C2	R814	B1	R872	B1	R937	*B1	RB426	D4	RB489	*D3
C521	*D3	C574	*D3	C714	A1	C843	*B3	CL803	B1	ET4	*A1	L303	B1	R264	*B4	R337	*C2	R405	*D3	R473	*D3	R712	C2	R815	B1	R873	B1	R938	*B1	RB427	*D4	RB490	*D3
C522	*D4	C575	*C3	C715	A2	C844	B3	CL804	B1	ET5	*E1	L304	B1	R265	*B4	R338	*D1	R406	D4	R474	D2	R713	C2	R816	B2	R874	*A2	R939	*B1	RB433	D4	RB801	B2
C523	*D4	C576	*D4	C716	A2	C845	B1	CL805	B1	ET6	*E4	L305	*D2	R266	*B4	R339	*C1	R407	D4	R475	D3	R714	D2	R819	B1	R875	B1	R940	*B3	RB434	*D4	RB802	B2
C524	*D4	C577	*D3	C717	*A2	C846	B3	CL806	B1			L306	*D2	R267	B4	R340	D2	R408	*D3	R476	*D3	R715	D2	R820	B1	R876	*A2	R941	*B3	RB435	*D4	RB803	B2
C525	*D3	C578	C3	C718	*B2	C847	B1	CL807	B1	FB250	B4	L307	*B2	R268	*B4	R341	*C2	R409	C4	R477	D3	R716	*D2	R821	B1	R877	*B1	R942	*B3	RB436	D4	RB804	B2
C526	*D3	C579	*D4	C719	*B2	C848	B3	CL808	B3	FB251	B3	L308	*B2	R269	B4	R342	*C2	R410	D4	R478	*E3	R717	C2	R822	B1	R878	B1	R1400	*C3	RB437	*C4	RB805	B3
C527	*D3	C580	*C3	C720	*B2	C849	B1	CL809	B1	FB305	*D2	L309	*C1	R270	B4	R343	*C2	R411	*D4	R479	*E3	R718	C1	R824	B1	R879	B1	R1401	*C3	RB438	C4	RB806	*B2
C528	*D3	C581	C3	C721	*B2	C850	*A2	CL900	B3	FB306	*D1	L310	*D1	R271	B3	R344	C2	R412	*D4	R480	*E2	R719	C1	R825	B3	R880	B1	R1402	*B3	RB439	*C4	RB807	*B2
C529	*D3	C582	*C3	C722	*B2	C851	*B2			FB307	E1	L311	D1	R272	*B4	R345	C2	R413	D4	R481	*E3	R720	C1	R826	B3	R881	B1	R1403	*C3	RB440	C4	RB808	*B2
C530	*D3	C583	*D4	C723	A2	C852	A1	CN1	*A2	FB308	*C1	L312	*D2	R273	B3	R346	*C2	R414	*D3	R482	*E3	R721	C1	R827	B1	R882	B1	R1404	*C3	RB441	C4	RB809	*B2
C531	*D3	C584	C4	C724	A2	C853	A1	CN2	*E2	FB309	C2	L313	B2	R274	*B4	R347	*C2	R415	*D3	R483	*E3	R722	*C1	R828	B2	R883	B1	R1405	*B3	RB442	*C4	RB810	B1
C532	*D3	C585	C3	C725	A2	C854	A1	CN3	*E3	FB310	*D2	L314	*C2	R275	B4	R348	*D2	R416	D4	R484	*D3	R723	C1	R829	*B1	R884	B1			RB443	*C4	RB811	E1
C533	*D3	C586	*D3	C726	A2	C855	*A2	CN5	*E4	FB311	*B2	L400	E2	R276	B4	R349	*C2	R417	D4	R485	*E2	R724	C1	R830	B2	R885	B1	RB250	B4	RB444	C4	RB812	E1
C534	*C3	C587	*C3	C727	E2	C856	*A2	CN6	*E1	FB312	*D1	L501	B3	R277	B4	R350	*C2	R418	*D4	R486	*E3	R725	*C1	R831	B2	R886	B1	RB251	B3	RB445	*C4	RB813	E1
C535	*C3	C588	C3	C728	E3	C857	A1			FB313	*D2	L502	*E4	R278	B4	R351	*C2	R419	*D3	R487	*E3	R726	C1	R832	B2	R887	B1	RB252	B3	RB446	C4	RB814	E1
C536	*C4	C589	*D3	C801	*B2	C902	B3	D300	*E4	FB314	B1	L503	C4	R279	B3	R352	*C2	R431	*D3	R488	*E3	R727	C1	R833	*B2	R888	B1	RB253	*B4	RB447	C4	RB815	B1
C537	*C4	C590	*D4	C802	*B2	C903	*B3	D301	*E4	FB600	*B2	L600	*B2	R280	B3	R353	*C1	R432	*D3	R489	*E2	R733	*C1	R834	B2	R889	A2	RB254	B4	RB448	*C4	RB816	B3
C538	*C3	C591	*C3	C803	B2	C906	B3	D302	*E4			L601	*C2	R281	B3	R354	*C1	R433	*D4	R490	*E2	R734	C1	R835	B1	R890	A3	RB255	B4	RB449	C3	RB817	*B2
C539	*C3	C592	*D3	C804	B1	C907	B3	D303	*E4	IC250	B4	L800	A2	R282	B4	R355	*C1	R434	*D4	R491	*E3	R735	C1	R836	*B1	R891	A2	RB313	E1	RB450	C3	RB818	B3
C540	*C3	C593	*C3	C805	B3	C908	*B3	D304	*E4	IC300	C1	L801	A2	R283	B4	R356	*C1	R435	*D3	R492	*E3	R736	*C1	R837	B1	R892	A4	RB314	E1	RB451	*C4	RB819	*B2
C541	*C3	C594	C3	C806	*B1	C909	B3	D305	*E4	IC302	D2	L802	A1	R284	B3	R357	*C1	R436	*D3	R493	*E3	R737	C1	R838	*B1	R893	A2	RB315	E1	RB452	C4	RB820	*B2
C542	*C4	C595	*E4	C807	*B1	C918	*B1	D306	*E4	IC400	D3	L803	B1	R305	*D2	R358	*D1	R437	*D4	R494	*D3	R738	C1	R839	*B1	R894	A2	RB316	E1	RB453	C4	RB821	*B2
C543	*C3	C596	*C3	C808	B3			D307	*E4	IC401	E3	L804	A2	R306	*D2	R359	*D1	R438	*D4	R495	*E3	R739	C1	R840	*B1	R895	A1	RB317	E1	RB454	*C3	RB822	*B2
C544	*C3	C600	*D1	C809	B1	CL250	B4	D308	*B1	IC402	*E2	L805	B1	R307	*D2	R360	*D1	R439	*D3	R496	*E2	R744	C1	R841	B1	R896	A1	RB318	E1	RB461	*D3		
C545	*C3	C601	*D1	C810	*B1	CL251	B4	D309	*B1	IC604	*B3	L902	B3	R308	E4	R361	*D1	R440	*D3	R497	*E2	R745	*B1	R842	B2	R897	A1	RB319	E1	RB462	*D2	S300	*E1
C546	*C3	C602	*C3	C811	*B2	CL252	B3	D310	*B1	IC607	D1	L903	*B3	R309	E4	R362	*D2	R441	*D4	R600	*D1	R746	*B1	R843	B2	R898	A1	RB320	E1	RB463	D3	S601	*D1
C547	*D3	C603	*C3	C812	B2	CL254	B4	D311	*B1	IC800	B2	L904	*B1	R310	E4	R363	*C2	R442	*C3	R601	*C3	R747	*B1	R844	B2	R904	A3	RB401	*C2	RB464	*D2	S801	*E1
C548	*D3	C604	*B3	C813	B2	CL255	B4	D312	*B1	IC801	*B2			R311	E4	R364	*C2	R443	*C3	R602	*B3	R748	*B1	R845	B2	R905	A3	RB402	*D2	RB465	*D2	S802	A3
C549	*C3	C605	*C3	C814	*B1	CL256	B4	D313	*B1	IC802	*B1	Q300	E2	R312	E4	R365	D1	R444	*D4	R603	*B3	R749	*B1	R846	*B1	R906	A3	RB403	*D2	RB466	D2	S803	A3
C550	*C4	C606	*B3	C815	*B1	CL401	*C2	D314	*B1	IC803	*B2	Q310	B1	R313	E4	R366	D2	R445	*C3	R604	*B3	R750	*B1	R847	B2	R907	B3	RB404	*D2	RB467	D2	S804	A2
C551	*D3	C607	*B3	C816	*B1	CL402	*C2	D315	*B1	IC804	*B1	Q311	B1	R314	E4	R367	D1	R446	*C3	R605	*B3	R751	*B1	R848	B2	R908	*B3	RB405	D2	RB468	D3	S805	A4
C552	*D3	C608	D1	C817	B3	CL403	*D2	D609	*D1	IC806	B3	Q312	B1	R315	C2	R368	*D2	R447	*C3	R606	*B3	R752	*B1	R849	B2	R909	B3	RB406	D2	RB469	D3		
C553	*D3	C609	D1	C818	B1	CL404	*C2	D610	*D1	IC807	*B3	Q313	B1	R316	C2	R369	*C1	R448	*C3	R607	D1	R753	*C2	R850	B2	R910	*B3	RB407	D2	RB470	D3	TP301	*D1
C554	*D3	C610	*C3	C819	B2	CL405	*C2	D801	*B1	IC808	B1	Q314	B1	R317	C2	R370	*C2	R449	*C3	R608	D1	R754	*C1	R852	B1	R911	B3	RB408	D2	RB471	D3	TP400	*C3
C555	*D3	C612	D1	C820	*B2	CL406	*C2	D802	*B1	IC809	B1	Q315	B1	R318	C1	R371	*D1	R450	*D4	R609	D1	R755	*C1	R853	B1	R912	B3	RB409	C2	RB472	*E3		
C556	*D3	C613	*C3	C821	*B2	CL407	*C2	D803	A3	IC810	B1	Q316	B1	R319	C1	R372	*D2	R451	*D4	R610	D1	R756	*C1	R854	B1	R913	B3	RB410	*C2	RB473	*E3	X250	B3
C557	*D3	C614	D1	C823	B1	CL408	*C2	D804	A3	IC812	*B3	Q317	B1	R320	C1	R373	*C1	R452	D4	R611	*C3	R757	*C1	R855	B1	R914	B3	RB411	C2	RB474	*D3	X300	*D2
C558	*D3	C615	*B3	C824	B3	CL409	*D4	D805	A2	IC813	*B3			R321	C2	R374	*C2	R453	*D4	R612	*C3	R758	A3	R858	B1	R915	B3	RB412	*C2	RB475	*E3		
C559	*D3	C700	*D1	C825	B1	CL410	*D4	D806	A4	IC814	*A2	R250	*B4	R322	C1	R375	*D1	R454	*D3	R613	E1	R801	*B3	R859	B1	R916	B3	RB413	C2	RB476	*E3		
C560	*C3	C701	C1	C826	*B3	CL411	*D4	D807	A1	IC901	A3	R251	*B4	R323	*C2	R376	*C1	R455	*D3	R616	*C3	R802	*B3	R860	*A2	R917	B3	RB414	*C2	RB477	*E2		
C561	*D3	C702	C1	C827	B1	CL431	*D4	D808	A2	IC902	*B3	R252	B4	R324	*D1	R377	*C1	R461	*D3	R617	*C3	R803	*B3	R861	*A2	R918	B3	RB415	C2	RB478	*E3		
C562	*D3	C703	*C1	C828	B2	CL432	*C4	D809	A2	IC903	B3	R253	B4	R325	D1	R378	*C1	R462	*D3	R700	*E1	R804	*B3	R862	*B3	R919	B3	RB416	*C2	RB479	*E3		
C563	*D3	C704	C1	C829	B1	CL433	*C4			IC904	B3	R254	B3	R327	E4	R379	*C1	R463	D3	R701	*E1	R805	B3	R863	E1	R920	B3	RB417	C2	RB480	*E3		
C564	*D3	C705	B1	C830	B1	CL434	*C4	E250	A4	IC905	*B1	R255	B3	R328	E4	R380	*D1	R464	D2	R702	*E1	R806	B3	R864	B3	R927	B3	RB418	*C2	RB481	*E3		
C565	*D3	C706	B1	C831	B1	CL435	*C4	E251	*A3			R256	B3	R329	E4	R381	C2	R465	D3	R703	*E1	R807	B3	R865	*A2	R928	B3	RB419	*D4	RB482	*E3		
C566	*D3	C707	*B1	C832	B1	CL600	*C3	E252	C3	L250	B4	R257	*B4	R330	E4	R382	C1	R466	*D3	R704	*E1	R808	B2	R866	*A2	R931	B3	RB420	*D4	RB483	D2		
C568	*C3	C708	*B2	C833	B1	CL601	*C3			L251	*B4	R258	*B4	R331	E4	R383	*C1	R467	*D3	R705	*E1	R809	B2	R867	A1	R932	B3	RB421	D4	RB484	D2		
C569	*D4	C709	A2	C838																													

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*:B SIDE

C1	F4	C322	C3	D103	*F2	L301	E3	R38	E4	R225	*D1	R425	C4	SL102	*F4
C2	E4	C323	C2	D104	*F2	L302	C3	R39	E4	R226	*C1	R426	A4	SL103	*E2
C3	F4	C324	*B3	D105	*E1	L303	C3	R40	*E4	R227	*C1	R427	A4	SL200	C1
C4	F4	C325	*B3	D106	*F2	L304	B3	R42	A3	R228	*C2	R428	A4	SL201	*C2
C5	*F4	C326	*B3	D200	*C1	L305	B2	R43	A3	R229	*C2	R429	E5	SL202	*E1
C6	*E4	C327	*C3	D201	*D2	L400	*F5	R44	*C4	R230	*D2	R430	F5	SL203	*B1
C7	*E4	C328	B3	D202	*D1	L401	B5	R46	*D4	R231	*C1	R432	F5	SL300	C3
C8	*F4	C329	*B3	D203	*D2	L403	*B4	R47	*F4	R232	*D1	R433	F4	SL301	*D4
C9	F4	C330	B2	D204	*D1			R48	*F5	R233	*D1	R434	F4	SL302	*E3
C10	*E4	C331	B3	D205	*B2	PS100	*E2	R49	*F5	R234	*D2	R435	C4	SL303	*B2
C11	*C4	C400	C4	D300	*C3			R50	*F5	R235	*D1	R436	D4	SL304	*B3
C12	*F5	C401	C4	D301	*D3	Q1	F4	R51	*F5	R236	*D2	R437	C4	SL400	*F5
C13	B3	C402	F5	D302	*D3	Q2	F4	R52	A3	R237	*D2	R438	C4		
C14	F6	C403	*E5	D303	*D3	Q3	*F4	R53	B3	R238	*D1	R439	E5	THP1	*F4
C100	*F2	C404	*F5	D304	*D2	Q4	F4	R54	B3	R239	A3	R440	E5		
C101	*F2	C405	D4	D305	*C3	Q5	F4	R55	E6	R240	E2	R441	E6	TP100	F1
C102	*F2	C406	E5	D400	*F5	Q6	F4	R56	E6	R300	*C3	R442	E5	TP101	F1
C103	*F2	C407	E6	D401	C4	Q7	*E4	R57	E5	R301	*C3	R455	*C5	TP102	B2
C104	*F2	C408	E6	D402	D4	Q8	*F4	R58	E5	R302	*C3	R456	*D5	TP103	E2
C105	*F2	C409	*E6	D403	*B4	Q9	*F4	R100	*F1	R303	*C3	R457	*D6	TP200	B2
C106	*F2	C410	*C5			Q10	*F4	R101	*F1	R304	*D3	R458	*C5	TP201	B1
C107	*F2	C411	*C5	E1	C3	Q11	E3	R102	*F1	R305	*D3	R459	*C5	TP202	B3
C108	*F2	C412	*C5	E2	*C4	Q12	*F4	R103	*F1	R306	*D3	R460	*C6	TP300	C3
C109	*F2	C413	*C5	E3	*D4	Q13	*C4	R104	*F2	R307	*D3	R464	*C5	TP301	C3
C110	*F2	C414	*C6			Q14	*C4	R105	*F2	R308	*D3	R465	*D5	TP302	B2
C111	*F2	C415	*C6	ET1	*A2	Q15	*F5	R106	*F2	R309	*D3	R466	*D6	TP400	*A5
C112	*F3	C425	*C5	ET2	*A5	Q16	*F5	R107	*F2	R310	*D2	R467	*C5	TP401	*A4
C113	*F3	C426	*C5	ET3	*F1	Q100	*F1	R108	*F2	R311	*D2	R468	*C5	TP402	*A5
C114	*F3	C427	*C5	ET4	*F6	Q101	*F1	R109	*F2	R312	*D3	R469	*C6	TP403	*B4
C115	*F3	C428	*C5			Q102	*F1	R110	*F2	R313	*D3	R474	*C5	TP404	*B4
C116	*F3	C429	*C5	FB400	*D5	Q103	*F1	R111	*F2	R314	*D3	R476	*C5	TP405	B4
C117	F2	C430	*C5	FB401	*D5	Q104	*F3	R112	*F2	R315	*D3	R478	*C6		
C118	F3	C431	*C6	FB402	*D5	Q105	*F3	R113	*F2	R316	*D3	R485	*C5		
C119	F2	C432	*C6	FB403	*D5	Q106	*F2	R114	*F2	R317	*D3	R486	*C6		
C120	F1	C433	*C6	FB404	*D5	Q200	*C2	R115	*F2	R318	*D2	R487	*C6		
C121	F1	C434	*C5	FB405	*D5	Q201	*C1	R116	*F2	R319	*D3	R491	*C5		
C122	F1	C435	*C5	FB406	*D5	Q202	*C1	R117	*F2	R320	*D3	R492	*C5		
C123	F1	C436	*C6	FB407	*D5	Q203	*C2	R118	*F2	R321	*D3	R493	*C6		
C124	*E1	C437	*B5	FB408	*D5	Q204	*E2	R119	*F2	R322	*D3	R494	*B5		
C125	*E2	C438	*B6	FB409	*D5	Q205	*E1	R120	*F2	R323	*D3	R495	*C6		
C126	*E2	C439	*B6	FB410	*D5	Q300	*C3	R121	*F2	R324	*D3	R496	*B5		
C127	*E2	C440	*B6	FB411	*D6	Q301	*C2	R122	*F2	R325	*D2	R497	*B5		
C128	*F2	C441	*B5	FB412	D6	Q302	*C3	R123	*F2	R326	*D3	R498	*B5		
C200	*C2	C442	*B5	FB413	*D6	Q303	*C3	R124	*F2	R327	*D2	R499	*B5		
C201	*C2	C443	*B5	FB414	*D6	Q304	*E3	R125	*F2	R328	*D3	R500	*B6		
C202	*C2	C444	*B5			Q305	*E2	R126	*F2	R329	*D3	R501	B5		
C203	*C2	C445	*B5	IC1	E4	Q400	*F5	R127	*F2	R330	*D3	R502	B5		
C204	*C1	C446	*B6	IC2	E4	Q401	A5	R128	*F2	R331	*D2	R503	B5		
C205	*C1	C447	A5	IC3	*E4	Q402	A5	R129	*F2	R332	*D3	R504	B5		
C206	*C2	C448	A5	IC4	*E4	Q403	A5	R130	*F2	R333	*D3	R505	B5		
C207	*C1	C449	A5	IC5	*C4	Q404	*B3	R131	*F2	R334	*D3	R506	B5		
C208	*D1	C450	B5	IC6	B3	Q405	*B4	R132	*F3	R335	*D3	R507	B5		
C209	*D2	C453	*B4	IC7	E6	Q406	*B4	R133	*F3	R336	*D3	R508	B5		
C210	*D2	C454	B4	IC100	*F2			R134	*F3	R337	*E3	R509	B5		
C211	*D1	C455	B4	IC101	*E1	R1	E4	R135	*F3	R338	*E3	R510	A5		
C212	*D1	C456	B4	IC102	*E2	R2	E4	R136	*F3	R339	*B3	R511	A5		
C213	*E2	C457	B4	IC200	*D2	R3	E4	R137	*F3	R340	*B3	R512	A5		
C214	*E1	C458	D4	IC201	*B2	R4	E4	R138	*F3	R341	*B3	R513	A4		
C215	*D2	C460	D4	IC300	*D3	R5	E4	R139	*A2	R342	*B3	R514	A4		
C216	*D1	C461	*B4	IC301	*B3	R6	E4	R141	*E2	R343	*B3	R515	A4		
C217	D2	C462	*C5	IC400	C4	R7	E4	R142	*A2	R344	*C3	R523	*B4		
C218	E1	C463	*C5	IC401	B4	R8	E4	R143	*E2	R345	*B3	R524	B4		
C219	D1	C464	*C5	IC402	C4	R9	E4	R144	*F2	R346	*B3	R525	B4		
C220	C2	C465	*C5	IC403	C4	R10	E4	R145	*E2	R347	*B3	R526	B4		
C221	C1	C466	*C5	IC404	E5	R11	E4	R146	*E2	R348	*B3	R527	B4		
C222	C2	C467	*D5	IC405	D4	R12	E4	R147	*E2	R349	E2	R528	B4		
C223	C1	C468	*C6	IC406	D4	R13	E4	R200	*C2	R400	C5	R529	B4		
C224	*B2	C469	*C6	IC407	E5	R14	E4	R201	*C2	R401	C5	R530	B4		
C225	*B2	C470	*D6	IC408	D6	R15	F4	R202	*C1	R402	C5	R531	D4		
C300	*D3			IC409	E6	R16	F4	R203	*C2	R403	C4	R535	F5		
C301	*D3	CL1	*C4	IC410	*E6	R17	F4	R204	*C2	R404	C4	R536	F5		
C302	*D3	CL2	*C4	IC411	*C5	R18	F4	R205	*C1	R405	C4	R537	A4		
C303	*D3	CL400	*C5	IC412	*C5	R19	F4	R206	*C1	R406	B4	R538	A4		
C304	*D3	CL401	*C5	IC413	*C6	R20	F4	R207	*C1	R407	C4	R539	A4		
C305	*D3	CL402	*C6	IC414	*B5	R21	F4	R208	*C2	R408	C4	R540	A4		
C306	*D3	CL403	*B5	IC416	B4	R22	*E4	R209	*C2	R409	C4	R541	A4		
C307	*D2	CL404	*B5	IC417	D4	R23	*E4	R210	*C1	R410	C4	R542	*B1		
C308	*D2	CL405	*B5	IC418	*B4	R24	*E4	R211	*C1	R411	B4	R543	F5		
C309	*D3	CL411	*B4			R25	*E4	R212	*C2	R412	B4	R545	*B3		
C310	*D3	CL412	*B4	L1	F4	R26	*E4	R213	*C2	R413	B4	R546	*D5		
C311	*D3	CL413	*B4	L100	F3	R27	*E4	R214	*C1	R414	B4	R547	*E5		
C312	*E2	CL416	*A4	L101	F3	R28	*E4	R215	*C1	R415	C4	R548	*E5		
C313	*E3			L102	F2	R29	*E4	R216	*C2	R416	C4	R549	E5		
C314	*E3	CN1	*D5	L103	F2	R30	*E4	R217	*C2	R417	C4	R550	E5		
C315	*D3	CN3	A3	L104	E1	R31	*E4	R218	*C1	R418	C4	R551	E5		
C316	*D3	CN4	*A3	L200	D2	R32	*E4	R219	*C1	R419	D4	R552	E5		
C317	D3	CN5	*B1	L201	D1	R33	*F4	R220	*D1	R420	D4	R553	*E6		
C318	E3			L202	C2	R34	*F4	R221	*C2	R421	D4	R554	*B4		
C319	D3	D100	*F1	L203	C1	R35	*F4	R222	*C2	R422	A3				
C320	C3	D101	*F3	L204	B1	R36	*C4	R223	*D2	R423	C4	SL100	F1		
C321	C2	D102	*F3	L300	E3	R37	*C4	R224	*C1	R424	C4	SL101	*F1		

