SONY

DIGITAL WIRELESS RECEIVER

DWR-R02D

pe1mmk

DWX DIGITAL WIRELESS WiDIF-HP Cross Remote

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ことがあります。
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 manual 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.

本機をラックに設置するとき
熱の適切な排気・発散を得るために，ラックと本機の間に空間を確保してください。

Attention-when the product is installed in Rack:

1. **Prevention against overloading of branch circuit**
   When this product is installed in a rack and is supplied power from an outlet on the rack, please make sure that the rack does not overload the supply circuit.

2. **Providing protective earth**
   When this product is installed in a rack and is supplied power from an outlet on the rack, please confirm that the outlet is provided with a suitable protective earth connection.

3. **Internal air ambient temperature of the rack**
   When this product is installed in a rack, please make sure that the internal air ambient temperature of the rack is within the specified limit of this product.

4. **Prevention against achieving hazardous condition due to uneven mechanical loading**
   When this product is installed in a rack, please make sure that the rack does not achieve hazardous condition due to uneven mechanical loading.

5. **Install the equipment while taking the operating temperature of the equipment into consideration**
   For the operating temperature of the equipment, refer to the specifications of the [Operating Instructions].

6. **When performing the installation, keep the space away from walls in order to obtain proper exhaust and radiation of heat.**

安全のために，周辺機器を接続する際は，過大電圧を持つ可能性があるコネクターを以下のポートに接続しないでください。
: LAN（10/100）コネクター
上記のポートについては本書の指示に従ってくだい。

For safety, do not connect the connector for peripheral device wiring that might have excessive voltage to the following port(s).
: LAN (10/100) connector
Follow the instructions for the above port(s).

警告

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

WARNING

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

WARNUNG

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

Table of Contents

Manual Structure

1. Service Overview

2. Electrical Alignment

3. Spare Parts

4. Block Diagrams

5. Schematic Diagrams

6. Board Layouts

Manual Structure

Purpose of this manual

This manual is the Service Manual of the Digital Wireless Receiver DWR-R02D. This manual contains the service overview, electrical alignment, spare parts, block diagrams, schematic diagrams and board layouts.

Related manuals

In addition to this manual the following manuals are provided.

- **Operating Instructions (Supplied with this unit)**
  This manual is necessary for application and operation of DWR-R02D.

- **DWT-B01 Service Manual (Available on request)**
  This manual describes the required information of service of DWT-B01.

Trademarks

Trademarks and registered trademarks used in this manual are follows.

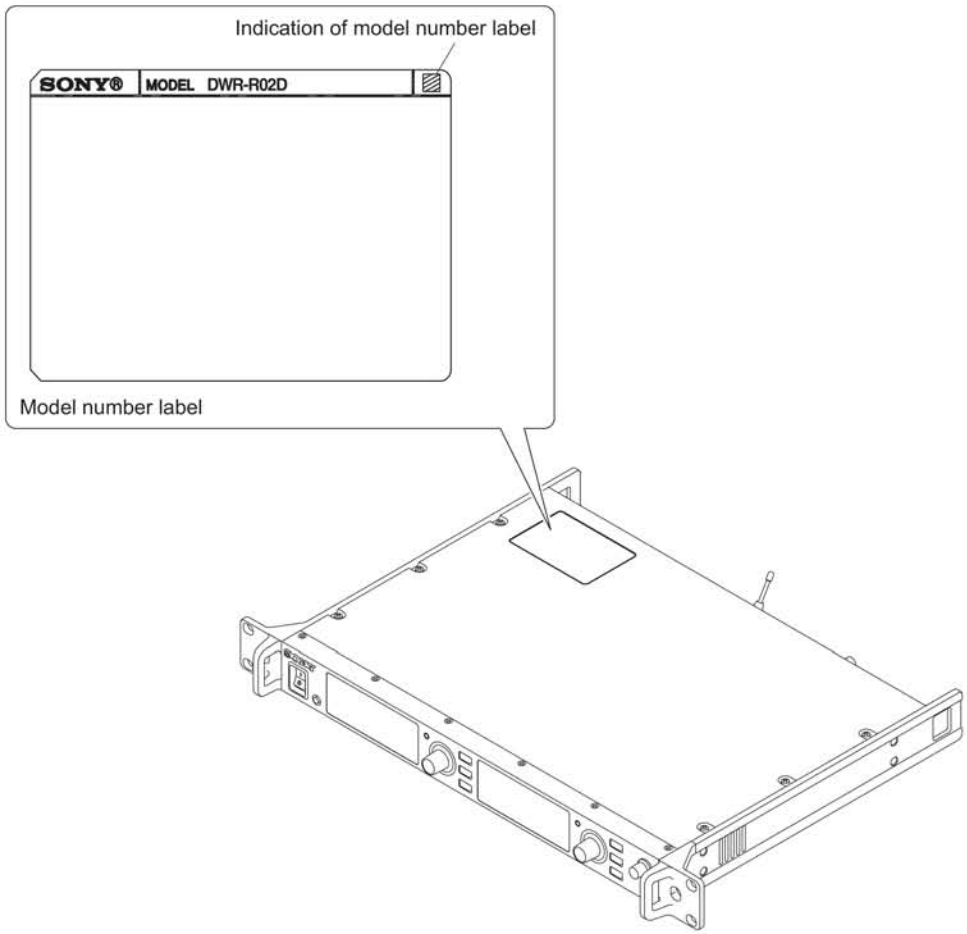
- Window and Windows Vista are trademarks or registered trademarks of Microsoft Corporation in the United States and Other countries.
- Ethernet is a registered trademark of Xerox Corporation.
- ThreeBond and TB-1401B are trademarks or registered trademarks of ThreeBond Co., Ltd.

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

Section 1
Service Overview

1-1. Checking Destinations

Eight destinations are provided for this unit.
Check the destination referring to the model number label and the following table.

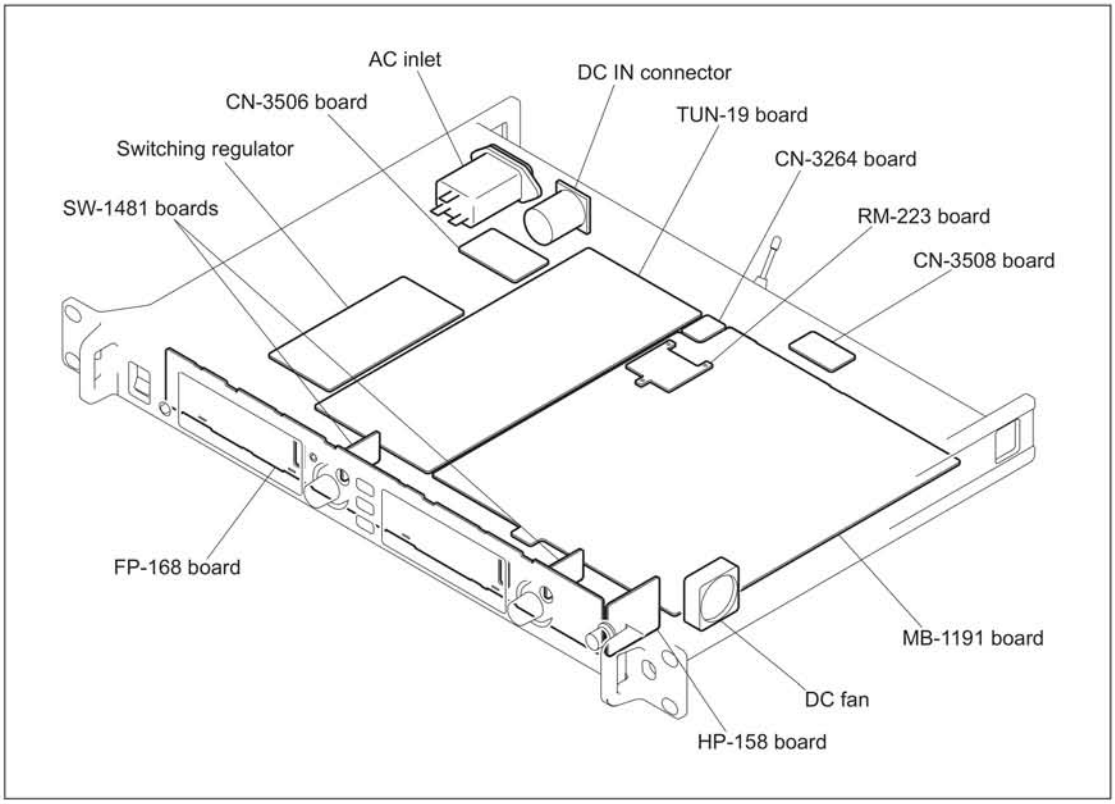


Indication of model number label	Model name	Indication of destination in this manual
14	DWR-R02D/14(UC7)	U1424
30	DWR-R02D/30(UC7)	U3040
42	DWR-R02D/42(UC7)	U4250
33	DWR-R02D/33(CEZ)	CE3338
42	DWR-R02D/42(CEZ)	CE4248
51	DWR-R02D/51(CEZ)	CE5157

1-2. Location of Main Parts

Note

When the MB-1191 board or the RM-223 board has been replaced, perform "1-7. Updating the Firmware".



1-3. Removing Parts

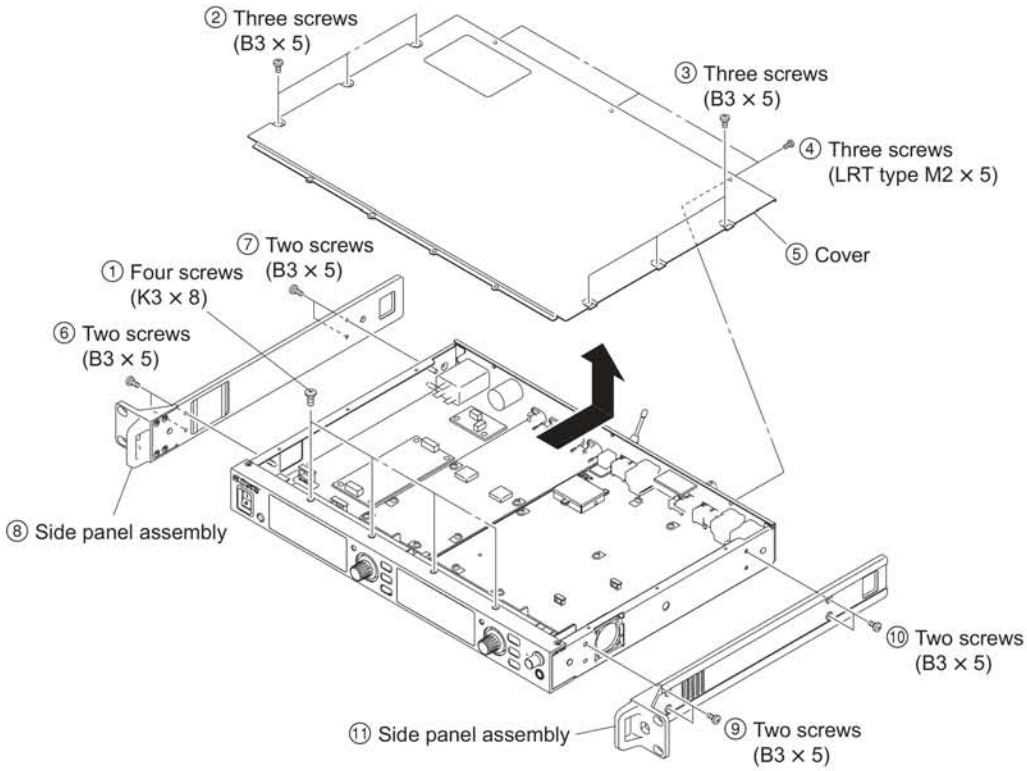
Tighten the each screw with the torque below.
Tighten torque:

- B3 × 5: 0.80 ±0.12 N•m (8.0 ±1.2 kgf•cm)
- BVTT 2.5 × 6 (S): 0.80 ±0.12 N•m (8.0 ±1.2 kgf•cm)
- K3 × 8: 0.80 ±0.12 N•m (8.0 ±1.2 kgf•cm)
- LRT type 2 × 5: 0.30 ±0.04 N•m (3.0 ±0.4 kgf•cm)
- PS3 × 16: 0.80 ±0.12 N•m (8.0 ±1.2 kgf•cm)
- PSW2 × 5: 0.30 ±0.04 N•m (3.0 ±0.4 kgf•cm)
- PSW3 × 5: 0.80 ±0.12 N•m (8.0 ±1.2 kgf•cm)

Note

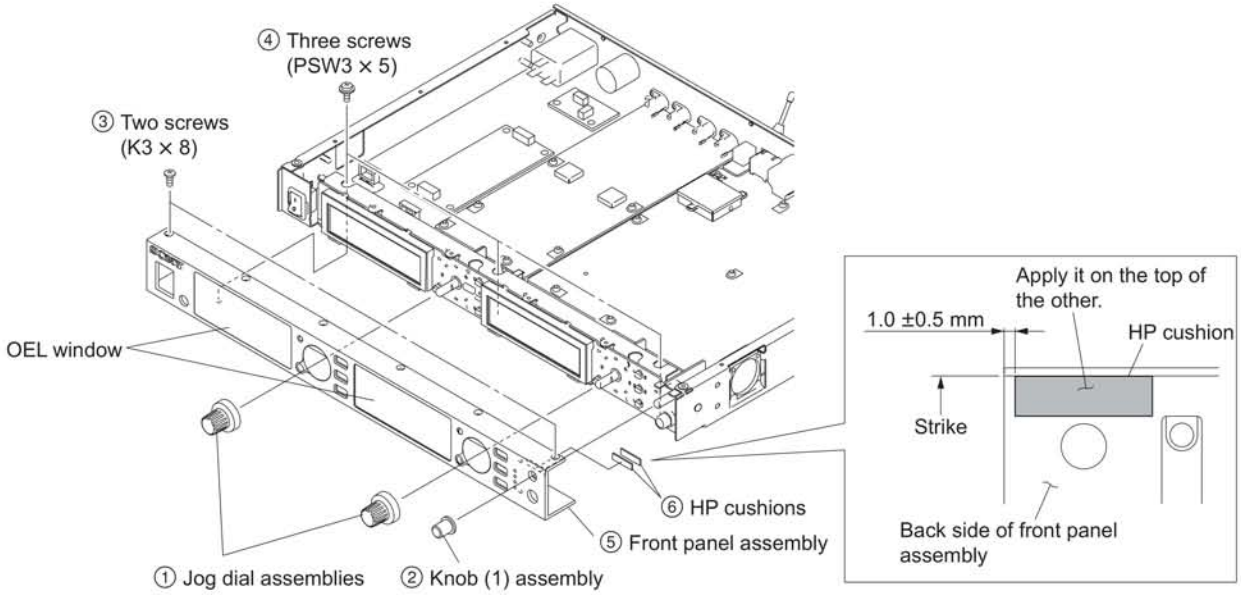
Remove parts in the order of numbers shown in the figure in this section.

1-3-1. Cover and Side Panel Assembly



1-3-2. Front Panel Assembly

Removing flow: Cover and Side Panel Assembly (Section 1-3-1) → Front Panel Assembly

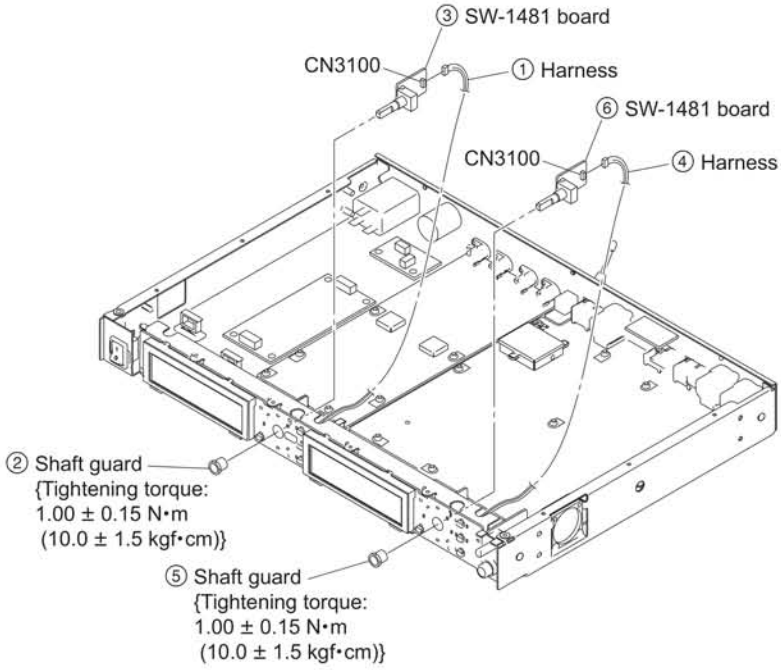


Note

A transparent conductive mesh is affixed on the back surface of the OEL window.
Do not touch the conductive mesh.

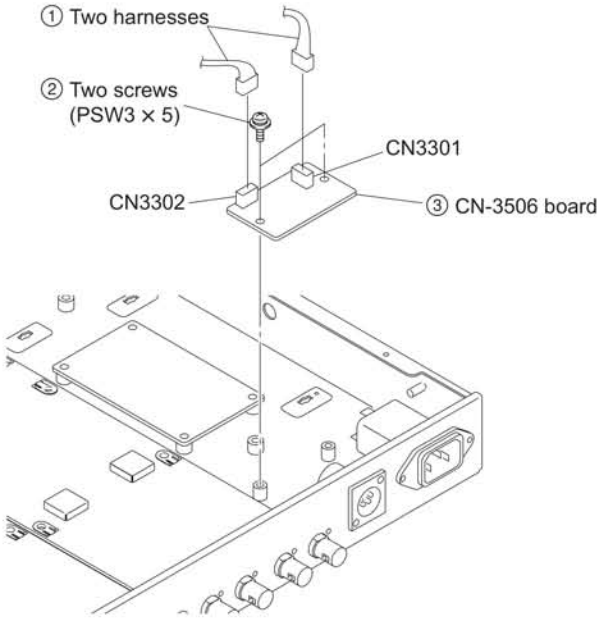
1-3-3. SW-1481 Board

Removing flow: Cover and Side Panel Assembly (Section 1-3-1) → Front Panel Assembly (Section 1-3-2)
→ SW-1481 board



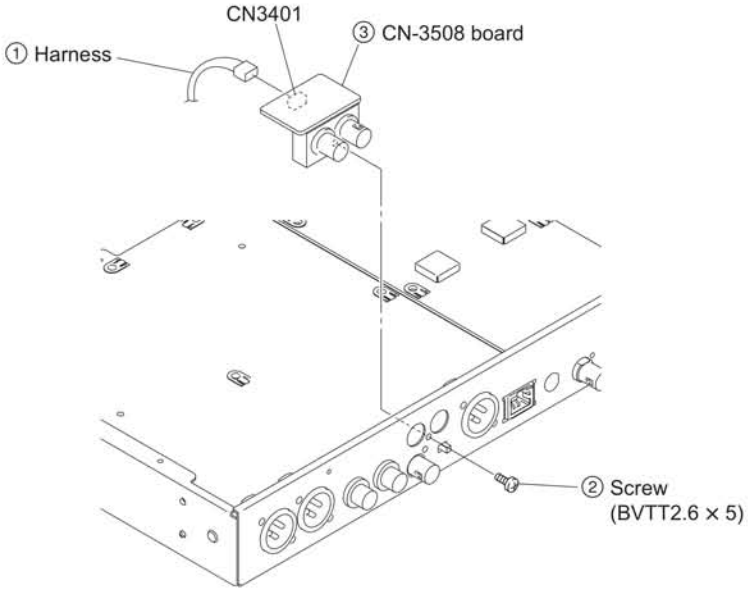
1-3-4. CN-3506 Board

Removing flow: Cover (Refer to steps 1 to 5 in Section 1-3-1) → CN-3506 board



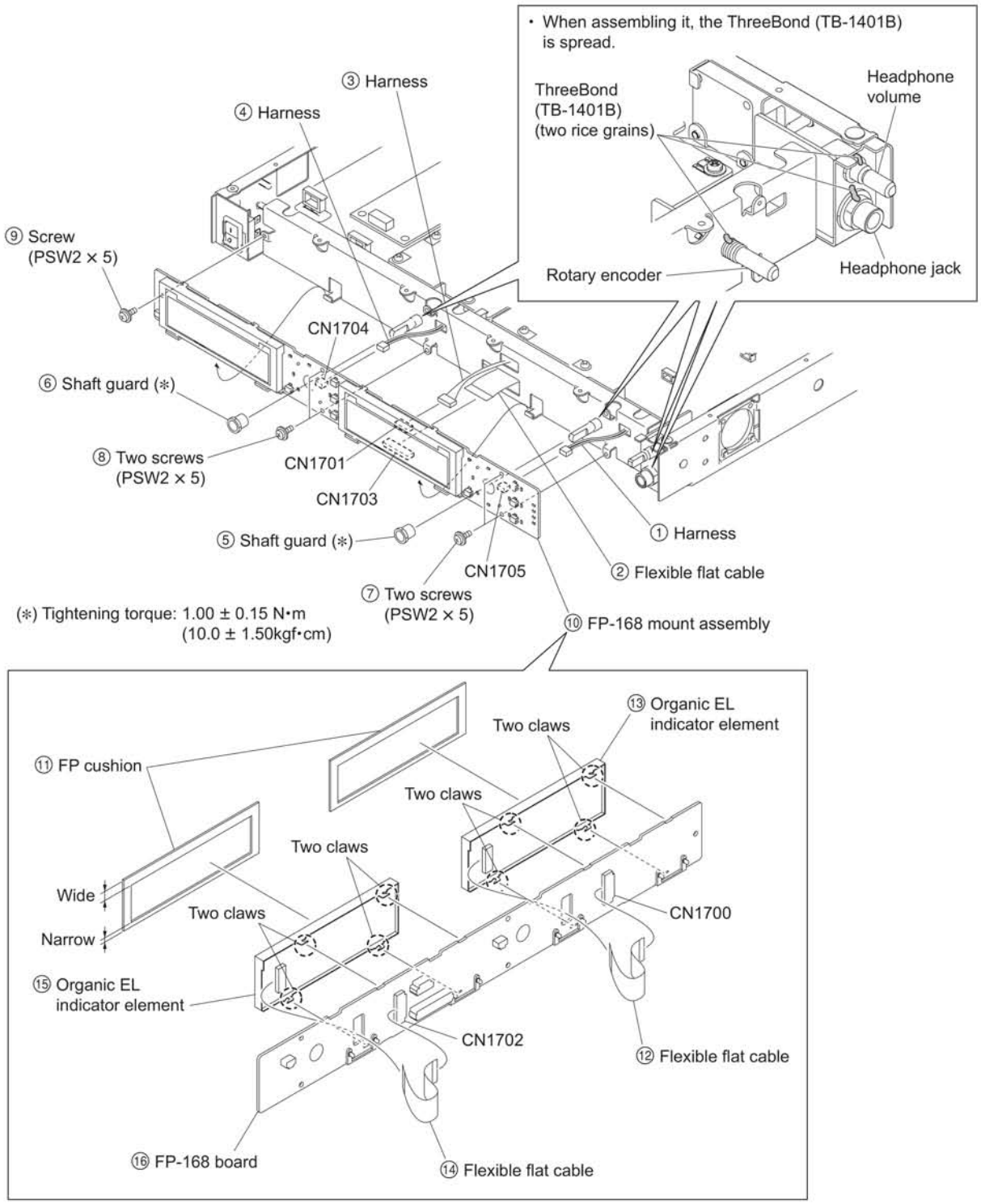
1-3-5. CN-3508 Board

Removing flow: Cover (Refer to steps 1 to 5 in Section 1-3-1) → CN-3508 board



1-3-6. FP-168 Board and Organic EL Indicator Element

Removing flow: Cover and Side Panel Assembly (Section 1-3-1) → Front Panel Assembly (Section 1-3-2)
→ FP-168 Board and Organic EL Indicator Element

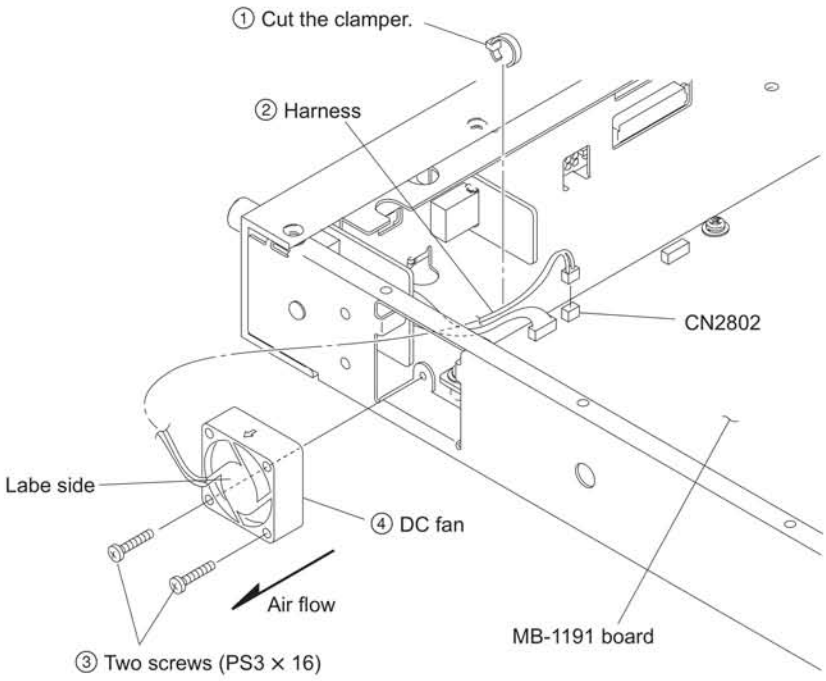


Note

Do not touch the surface of the organic EL indicator element display device.

1-3-7. DC Fan

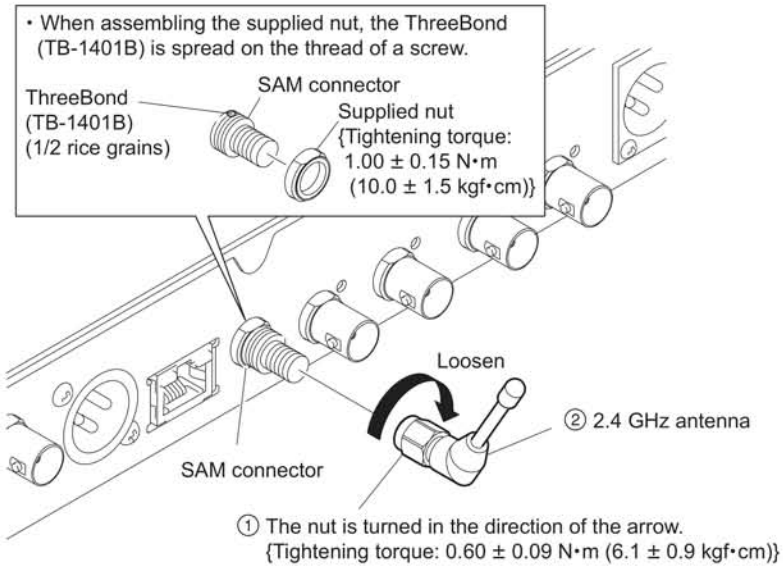
Removing flow: Cover and Side Panel Assembly (Section 1-3-1) → DC Fan



Note

Carefully install the DC fan paying attention to its orientation.

1-3-8. 2.4 GHz Antenna



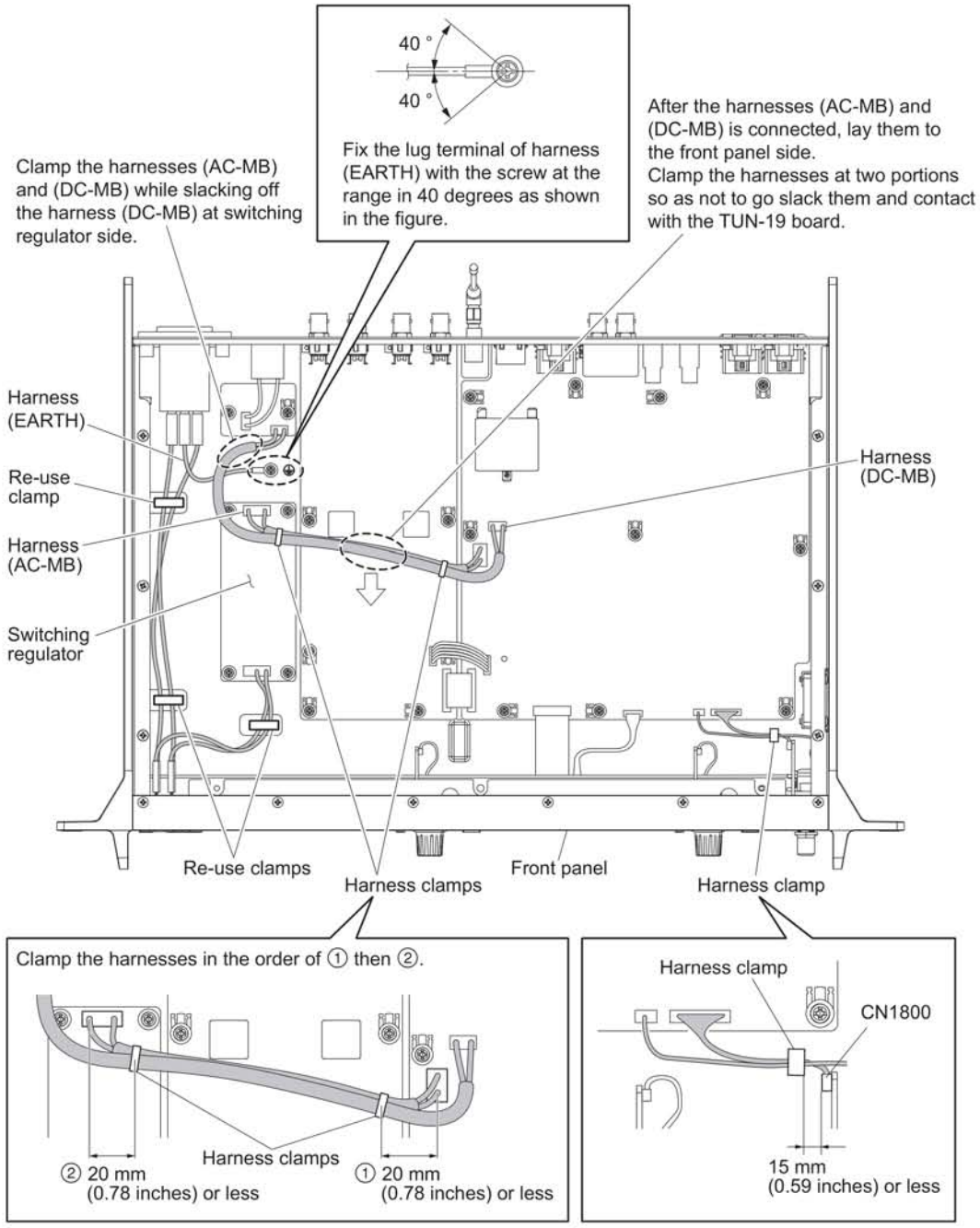
Note

SAM connector is the reverse-installation screw. This screw are screwed counter clockwise (↺) when viewed from the antenna side.

1-4. Notes for Replacing Parts

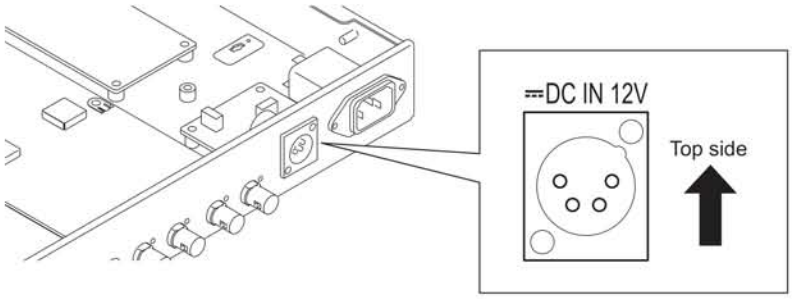
1-4-1. Notes on Arranging Harnesses

When attaching the top case, arrange the harnesses as shown in the figure and clamp them with the harness clamp.



1-4-2. Notes on Installing the Harness (DC IN)

When installing the harness (DC IN), install its connector in the direction as shown in the figure.



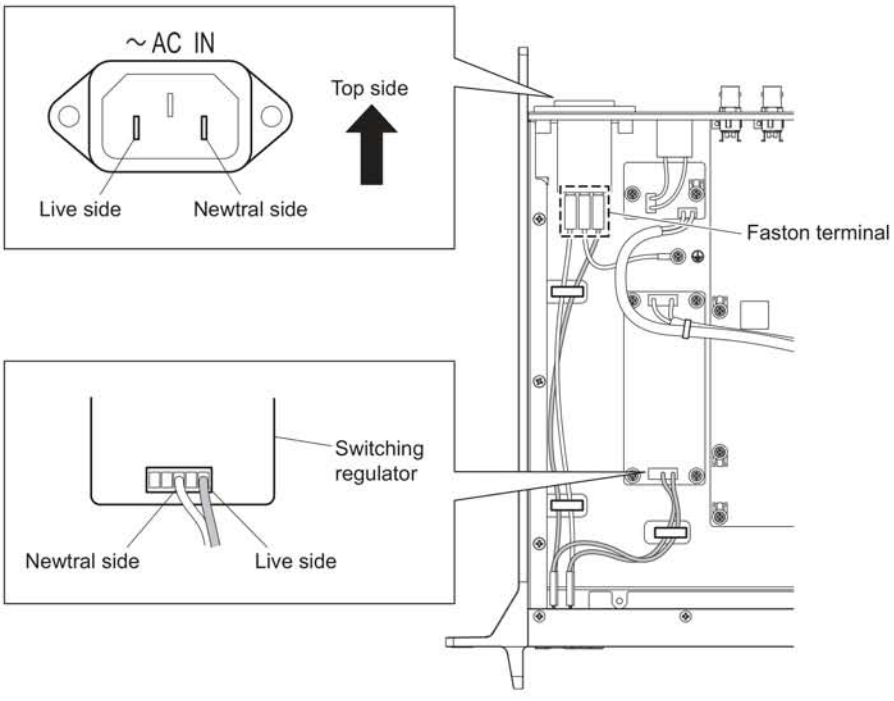
1-4-3. Notes on Installing the AC Inlet

When installing the AC inlet, install its connector in the direction as shown in the figure.

An AC inlet has a polarity. After the faston terminal is connected, be sure to confirm that the polarity is correct using the circuit tester.

Procedure

1. Confirm that the conduction of the connection below using the circuit tester.
   - Between live side of AC inlet and live side (brown wire) of primary side connector on the switching regulator
   - Between neutral side of AC inlet and neutral side (white wire) of primary side connector on the switching regulator
2. When the conduction is not detected, the connection may be wrong or departed. Connect correctly, then check the conduction again.



1-4-4. Note on Replacing TUN-19 Board or EEPROM (TUN-19 board: IC901)

When replacing the TUN-19 board or the EEPROM, perform the following.

- "1-5. Checking when Replacing or Removing the Parts"
- "1-6. Checking Destination of TUN-19 Board"
- "1-7. Updating the Firmware"

Note

Check the firmware version referring to "Menu Displays and Detailed Settings" in the Operating Instructions, and then update the firmware to the latest version.

1-4-5. Note on Replacing MB-1191 Board and RM-223 Board

When replacing the MB-1191 board and the RM-223 board, perform the following.

- "1-5. Checking when Replacing or Removing the Parts"
- "1-7. Updating the Firmware"

Note

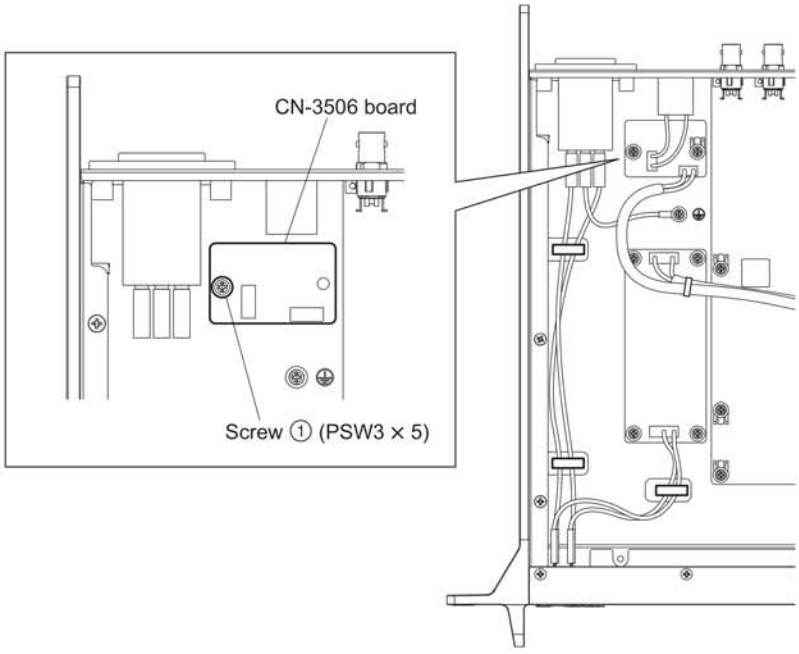
Check the firmware version referring to "Menu Displays and Detailed Settings" in the Operating Instructions, and then update the firmware to the latest version.

Note

The MB-1191 board with the CN-3264 board attached is installed. When replacing the MB-1191 board, replace it with the CN-3264 board attached.

1-4-6. Notes on Replacing the CN-3506 Board

When tightening the screw ①, hold the CN-3506 board so as not to rotate.
To rotate the CN-3506 board, the mounted parts may be damaged.



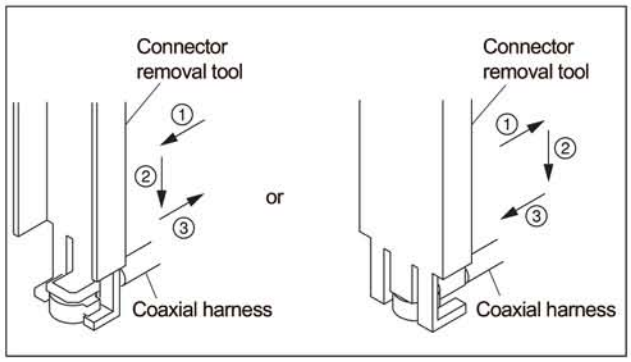
1-4-7. Installation and Removal of Coaxial Harness

Tool required

Use the tool below when replacing a coaxial harness.
Parts name: Connector removal tool
Parts No.: J-6407-150-A

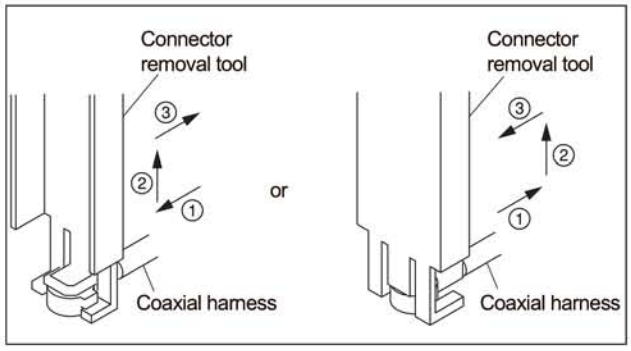
Installation

1. Slide the connector removal tool in the direction indicated by arrow ① and interposes the connector.
2. Adjust the position to the connector on the board and push the coaxial harness vertically in the direction indicated by arrow ②.
3. Slide the connector removal tool in the direction indicated by arrow ③ and removes it.
4. Push the connector by the even plane of a skewer.



Removal

1. Slide the connector removal tool in the direction indicated by arrow ① and installs it.
2. Pull out the connector removal tool vertically in the direction indicated by arrow ②.
3. Remove the connector removal tool from the coaxial harness in the direction indicated by arrow ③.



1-5. Checking when Replacing or Removing Parts

When replacing or removing parts, perform adjustments and checks according to the following table.

Parts / Refer to section	FP-168 board		MB-1191 board		TUN-19 board/EEPROM (TUN-19 board: IC901)		RM-223 board		2.4 GHz antenna	Switching regulator	CN-3506 board	CN-3508 board
	Remove	Repair	Remove	Repair	Remove	Repair	Remove	Repair	Remove/ Repair	Remove/ Replace	Remove/ Replace	Remove/ Replace
1-7. Updating the Firmware	–	–	–	○	–	○	–	○	–	–	–	–
2-2-1. RSSI Adjustment	–	–	–	–	–	○	–	–	–	–	–	–
2-2-2. Adjustment of Limiter Threshold Value	–	–	–	–	–	○	–	–	–	–	–	–
2-3-1. RF Indicator (LED) ON Check	–	○	–	○	–	○	–	–	–	–	–	–
2-3-2. RF Level Meter ON Check	–	○	–	○	–	○	–	–	–	–	–	–
2-3-3. Sensitivity Check	–	–	○	○	○	○	–	–	–	–	–	–
2-3-4. Audio Output Lvel Check	–	–	–	○	–	–	–	–	–	–	–	–
2-3-5. Power Consumption Check	–	–	–	○	–	○	–	○	–	○	○	–
2-3-6. RF Remote Performance Check	–	○	–	○	–	–	–	○	–	–	–	–
2-4-1. Simple Checking of the RF Indicator (LED) Lighting	○	–	○	–	○	–	–	–	○	○	○	–
2-4-2. Simple Checking of the RF Level Meter Lighting	○	–	○	–	○	–	–	–	○	–	–	–
2-4-3. Simple Checking of Audio Output	–	–	○	–	○	○	–	–	–	○	○	–
2-4-4. Simple Checking of the WORD SYNC Operation	–	–	○	○	–	–	–	–	–	–	–	○
2-4-5. Simple Checking of the RF Remote Operation	○	–	○	–	○	○	○	–	○	○	○	–

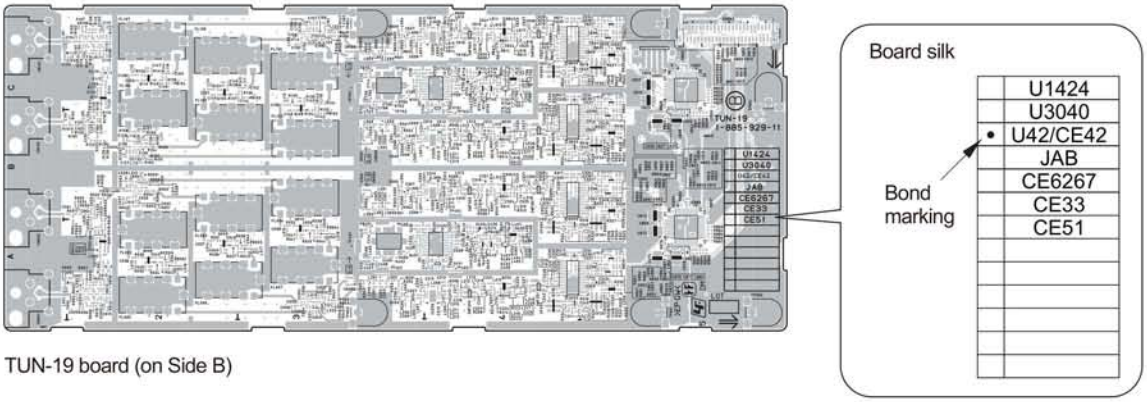
O : Perform adjustments and checks referring to applicable sections.
– : No checking is needed

Notes

- "Repair" is required when a board and parts (including onboard parts) have been replaced.
- "Remove" is required when a board, parts, or cabinet parts have been replaced.

1-6. Checking Destination of TUN-19 Board

The destinations of TUN-19 board are able to confirm that the bond marking is applied to board silk.
When replacing the TUN-19 board, check that the bond marking on the TUN-19 board is equal to destination of this model.



TUN-19 board (on Side B)

Correspondence table

Board silk	Destination
U1424	U1424
U3040	U3040
U42/CE42	U4250, CE4248
JAB	–
CE6267	–
CE33	CE3338
CE51	CE5157

1-7. Updating the Firmware

Equipment Used

- Personal computer (PC) with an Ethernet (10 Base-T/100 Base-Tx) port
- OS : Windows XP, Windows Vista, Windows 7
- Network cable (cross or straight cable)
- Programming software: DWR-R02D Updater
- Firmware package

Note

Prepare the latest firmware package.

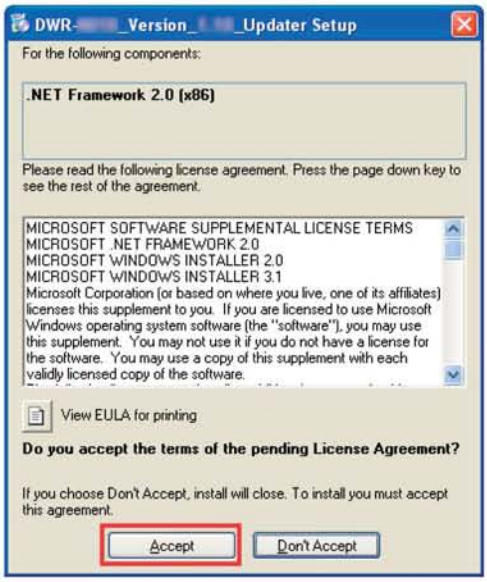
Note

The firmware package is supplied as a zip file. Copy it to an arbitrary folder of the PC and decompress it.

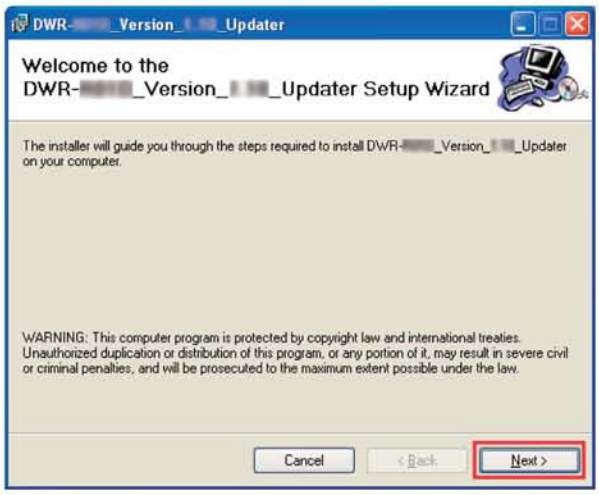
1-7-1. Installing the Programming Software (DWR-R02D Updater)

Procedure

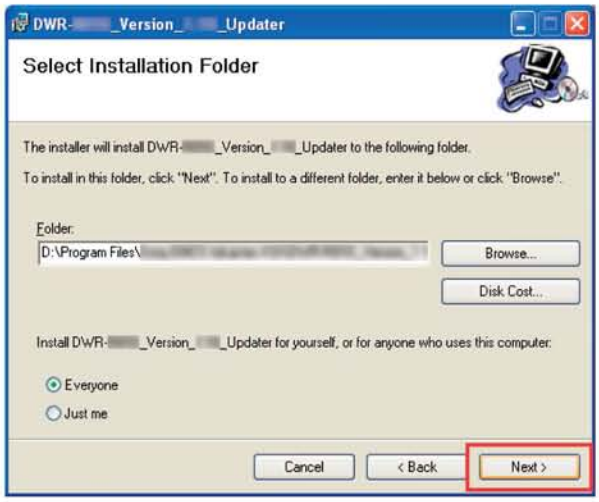
1. Double-click “setup.exe” from the folder (DWR-R02D_Updater_Setup_for Ver_1_00) of the programming software.
2. Click the Accept button.



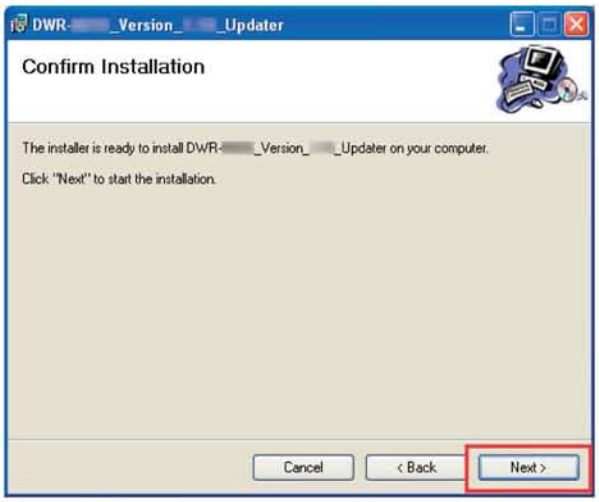
3. Click the Next > button.
   Installation of .NET Framework 2.0 starts.



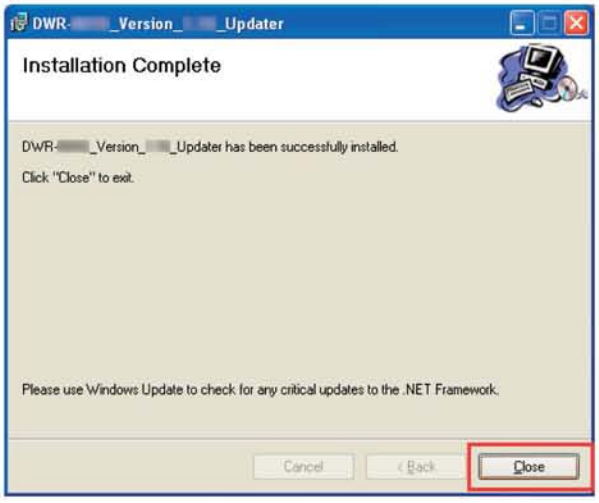
4. When the installation of Net Framework2.0 is completed, click the Next > button.
5. Click the Browse... button, then select the file to be written.



6. Click the Next > button.
7. Click the Next > button.



8. Click the Close button. (Install completed)



1-7-2. Updating the Firmware

To upgrade the firmware, install the programming software "DWR-R02D Updater" to the PC and then perform the following procedure. If the upgrade fails, restart this unit and retry upgrade from step 3.

Preparation

Record the RF REMOTE paring setting and all the current user set values (except SECURE KEY setting of ENCRYPTION).

Note

The recorded set values are necessary for returning the setting after factory preset.

Procedure

1. Connect this unit to the PC with the cross network cable.

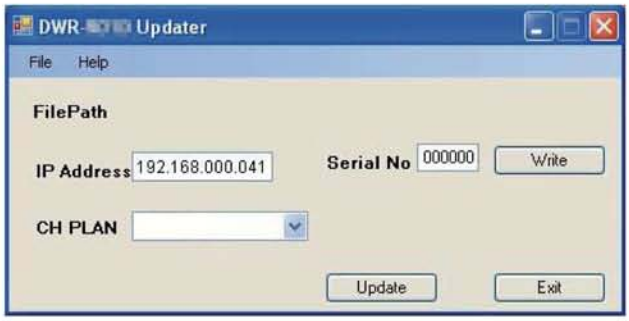
   Note

   When connecting this unit to the PC through a hub, use the straight network cable.

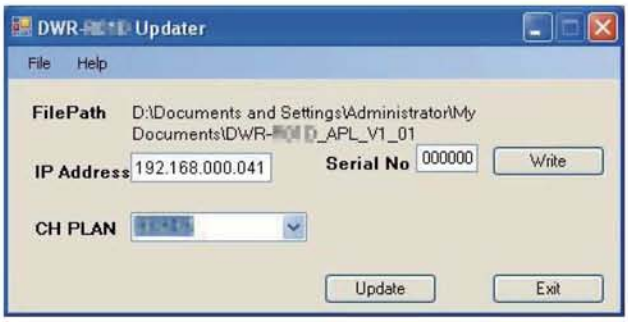
2. Turn on the power of this unit.
3. Run the programming software "DWR-R02D Updater".
4. Enter the IP address to be upgrade in the "IP Address" field.

   Note

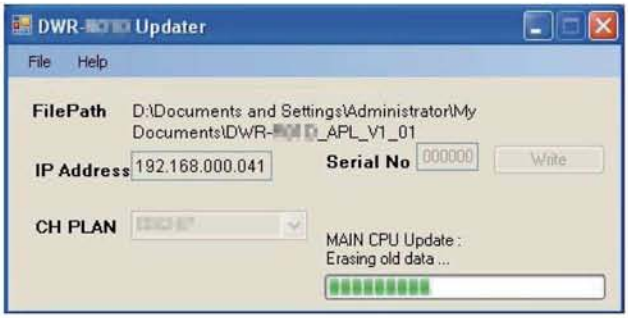
   If the IP address is unknown, check the IP address referring "UTILITY Menu" in the Instruction Manual.



5. Click the “Open File” from “File” menu and select the firmware package.
6. Select a destination from the “CH PLAN” pull-down menu.



7. Click the [Update] button, and then start the writing.



8. Click the [OK] button.

9. Click the [Exit] button.
   Exit the programming software “DWR-R02D Updater”.
10. Turn off the power of this unit.
11. Turn on the power of this unit and press the [UTILITY] button to enter the UTILITY menu, and then execute the “FACTORY PRESET”. (Refer to Instruction Manual.)
12. Return the each setting to the user setting recorded in “Preparation”.
    The firmware upgrade has been completed.

1-8. Error Messages

The following error messages may be displayed on the display by the self-diagnosis function in this unit.

Error message	Description	Operation
PLL UNLOCK XX *1	The PLL becomes unlock state and the receive frequency cannot be set correctly.	No radio wave can be received in the relevant channel.
ANNTENA OVER CURRENT	The protective circuit was activated because the 9 V DC (or 12 V DC) supplied from ANTENNA IN exceeded the current supply capacity.	DC OUT is not output.
PHONES OVER CURRENT XX *2	The protective circuit was activated due to the maximum headphone output.	No voice is output from the relevant headphone.
FAN STOP	The fan does not work in the fan operable environment.	
RF EEPROM NG	The RF EEPROM data is incorrect.	
CPU EEPROM NG	The CPU EEPROM data is incorrect.	

*1: A number "1" is displayed for channel 1, and "2" is displayed for channel 2.
When radio wave of both channel 1 and channel 2 cannot be received, "1+2" is displayed.
*2: A character "L" is displayed for channel L, and "R" is displayed for channel R.
When radio wave of both channel L and channel R cannot be received, "L+R" is displayed.

Note

For using the LAN connector and notes, refer to the Operating Instructions.

1-9. Test Mode

This unit is provided with the test mode for setting and checking.
Some menu titles are displayed and others are not displayed.

Entering the test mode

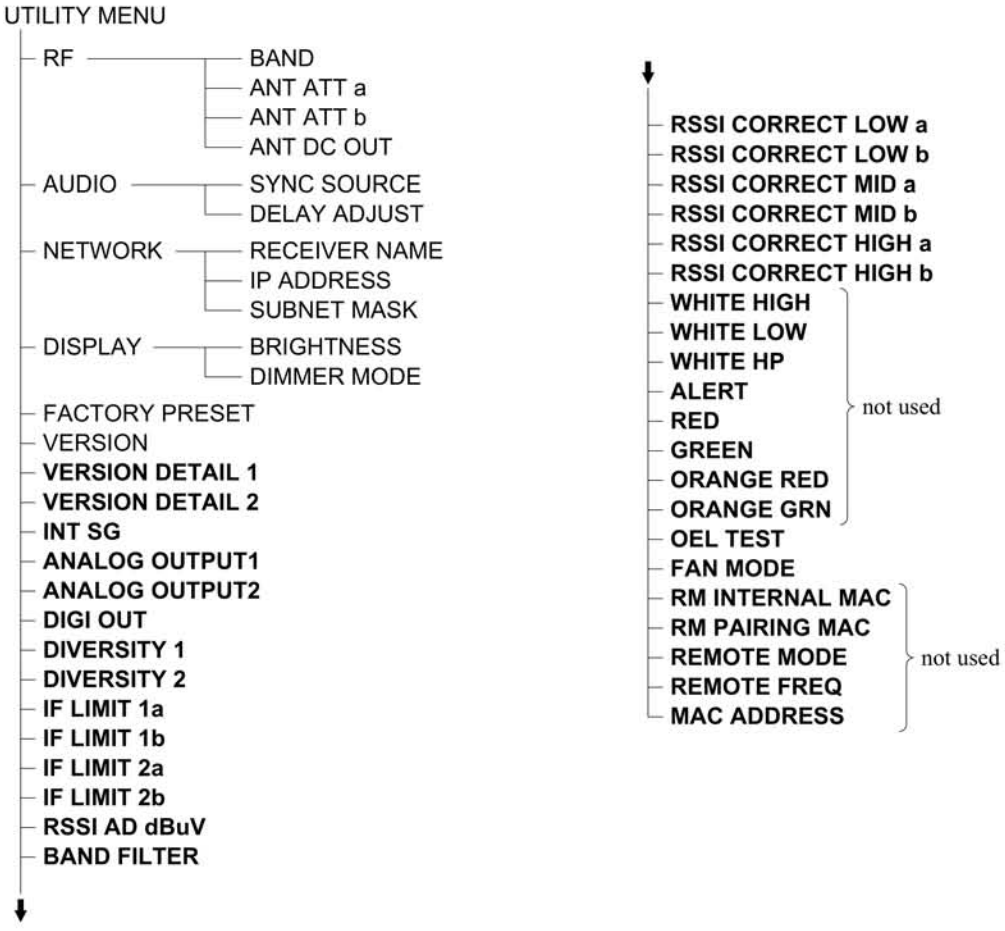
1. Turn on the power of the unit.
2. Press the [UTILITY] button.
3. Select "VERSION" with the JOG dial on the TUNER 1 side.
4. Turn clockwise (↻) the JOG dial on the TUNER 1 side two clicks or more, and press the [PUSH ENTER] button.
5. Repeat the operation of step 4 three times.

Exiting the test mode

Turn off the power of the unit.

Description of the test mode menu

The following shows the test mode menu hierarchy.
Bold items are additional menus in the test mode.



VERSION DETAIL 1
This menu allows checking of versions of the CPU, FPGA, and REMOTE software.

VERSION DETAIL 2
This menu allows checking of versions and serial numbers of BOOT and CH PLAN.

INT SG
This menu allows audio signals to be output by the internal transmitter regardless of radio wave reception condition.

Note

Do not use this menu for measurement, but use it only for operation check.

ANALOG OUTPUT 1, 2
These menus allow turning on and off signals that are output from ANALOG OUT (BAL/UNBAL) 1 and (BAL/UNBAL) 2.

DIGI OUT
This menu allows checking and modification of signals that are output from AES 1 (XLR connector) and AES 2 (BNC connector).

DIVERSITY 1, 2
These menus allow modification of diversity operation of TUNER 1 and TUNER 2.

IF LIMIT 1a, 1b, 2a, 2b
These menus allow checking and modification of ANTENNA a and ANTENNA b IF limit values of TUNER 1 and TUNER 2.

Refer to "2-2-2. Adjustment of Limiter Threshold Value."

Note

If IF limit values have been modified wrongly, perform "2-2-2. Adjustment of Limiter Threshold Value."

RSSI AD dBuV
This menu allows checking of received radio wave intensity (unit: $dB\mu V_{EMF}$) that was input from ANTENNA IN.

BAND FILTER
This menu allows checking of the selected band pass filter (BAND).

RSSI CORRECT LOW a, b/MID a, b/HIGH a, b
These menus allow checking and correction of RSSI correction values of ANTENNA a and ANTENNA b when each band (LOW/MID/HIGH) is selected.

Refer to "2-2-1. RSSI Adjustment."

OEL TEST
This menu allows checking of lighting operation of the organic electroluminescence (EL) display device.

FAN MODE
This menu allows checking of fan operation.

1-10. 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.

Section 2
Electrical Alignment

2-1. Preparation

2-1-1. Equipment and Tools Required

Equipment required

Name	Specification	Equipment Name
Signal generator	Frequency: 100 kHz to 1040 MHz	HEWLETT PACKARD 8657A or equivalent
RF millivoltmeter (High-frequency voltmeter)	Frequency range: 10 kHz to 1000 MHz	MEGURO MV-19B, C (50 Ω termination probe chip MP-3109 used) or the equivalent
RF attenuator	Variable range: 0 to 60 dB or more	WEINSCHEL 940-xx-xx or the equivalent
Audio analyzer	Analog input Frequency range: 20 Hz to 100 kHz AES/EBU input	Audio Precision System 2 or the equivalent
Bit error rate meter	Measurement range: 1×10^{-6} Measurement signal: PN9	KIKUSUI KBM6010 or the equivalent
DC power supply	Supply voltage: DC +7.0 V to 10 V Current: DC 100 mA	–
	Supply voltage: DC +12 V Current: DC 3 A or more	–
AC power supply	Supply voltage: 100 V/120 V/230 V Supplied electricity: 30 W or more	–
Function generator	Frequency: 48 kHz to 96 kHz Amplitude: 5 Vp-p Waveforms: Square wave (Duty: 50 %)	–

Tools required

Name	Parts No.	Remarks
Connector extraction tool	J-6407-150-A	Used in common with DWT-B01
Sony DWM series (for each destination) finished products	–	Used for DWR-R02D (U1424)
Sony DWT-B01 (U3040) finished products	–	Used for DWR-R02D (U3040)
Sony DWT-B01 (U4250) finished products	–	Used for DWR-R02D (U4250)
Sony DWT-B01 (CE33) finished products	–	Used for DWR-R02D (CE3338)
Sony DWT-B01 (CE42) finished products	–	Used for DWR-R02D (CE4248)
Sony DWT-B01 (CE51) finished products	–	Used for DWR-R02D (CE5157)
Sony ECM-77BC/9X finished products	–	–
DU-510 board	A-1774-690-A	BER (Bit Error Rate) measuring tool
LRT driver	J-6402-350-A	Used in common with DWT-B01
Termination resistor (50 Ω)	1-573-551-11	Used for termination of antenna connector
Phone ⇔ XLR conversion cable	–	Refer to Section 2-3-4.

Note

The transmitter is available as a tool also in DWT-P01 and DWM series of the same frequency.

2-1-2. Setting the Bit Error Rate Meter

Note

For details of the setting, refer to the Operating Instructions of the corresponding equipment.

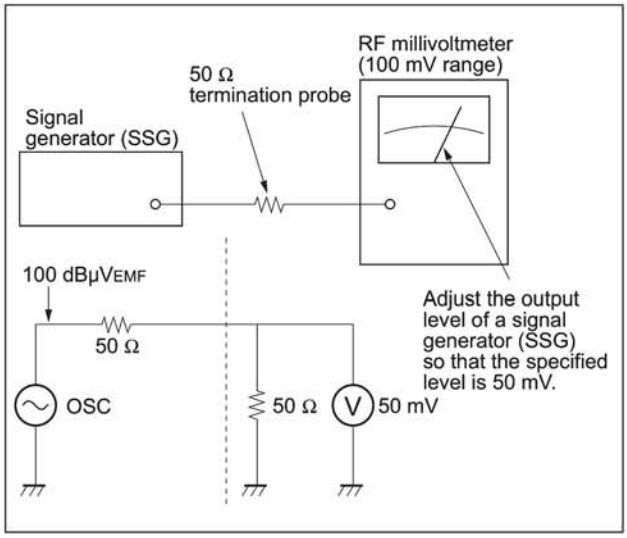
- Data pattern: PN9
- Measurement range: 1E-6
- Clock/data/sync mode: 10111

2-1-3. Calibrating the Signal Generator

The high-frequency input signal level (signal generator output level) during this adjustment is represented by an open end voltage dBμV$_{EMF}$ (0 dBμV$_{EMF}$ = 1μV$_{EMF}$).
Calibrate a signal generator (output level) in the procedure below and then perform this adjustment.

Calibration

1. Connect an RF millivoltmeter to a signal generator as shown in the figure.
2. Adjust the output level of the signal generator (SSG) so that the specified level of the RF millivoltmeter is 50 mV.
   At that time, prescribe the output level of a signal generator (SSG) (in which the RF millivoltmeter is 50 mV) as 100 dBμV$_{EMF}$ and correct the signal generator.



Note

0 dBμV$_{EMF}$ = −113 dBm
(EMF: Open end voltage)
0 dBm = 1 mW (50 Ω load)

2-1-4. Setting the DWT-B01 during the Adjustment of This Unit

For details of the setting, refer to the service manual of DWT-B01.

1. Turn on the power while pressing and holding the SET button.
2. Set the frequency, to be measured, on the frequency setting screen. (Set the band when required.)
3. Set the transmission power to 1 mW.
4. Turn off and on the power.
5. In the VERSION display, operate in the same way for this unit and display the test mode.
6. Set “RAW DATA PN9” in SIGNAL SELECT.

2-1-5. Frequency Setting during Adjustment

In the adjustment items for which frequency setting is required, follow the instructions in each item referring to the table below.

Setting frequency table

Destination	RF BAND (BAND FILTER)	Frequency	
U1424	TV14-17 (LOW)	Low:	470.125 MHz
		Mid:	482.125 MHz
		High:	493.875 MHz
	TV18-21 (MID)	Low:	494.125 MHz
		Mid:	506.125 MHz
		High:	517.875 MHz
	TV22-25 (HIGH)	Low:	518.125MHz
		Mid:	530.125 MHz
		High:	541.875 MHz
U3040	TV30-33 (LOW)	Low:	566.125 MHz
		Mid:	578.125 MHz
		High:	589.875 MHz
	TV34-36 (MID)	Low:	590.125 MHz
		Mid:	599.125 MHz
		High:	607.875 MHz
	TV38-41 (HIGH)	Low:	614.125 MHz
		Mid:	626.125 MHz
		High:	637.875 MHz
U4250	TV42-45 (LOW)	Low:	638.125 MHz
		Mid:	650.125 MHz
		High:	661.875 MHz
	TV46-49 (MID)	Low:	662.125 MHz
		Mid:	674.125 MHz
		High:	697.875 MHz
	TV50-51 (HIGH)	Low:	686.125 MHz
		Mid:	692.125 MHz
		High:	697.875 MHz
CE3338	TV33-35 (LOW)	Low:	566.125 MHz
		Mid:	578.125 MHz
		High:	590.000 MHz
	TV36-37 (MID)	Low:	590.125 MHz
		Mid:	598.125 MHz
		High:	606.000 MHz
	TV38-40 (HIGH)	Low:	606.125MHz
		Mid:	618.125 MHz
		High:	630.000 MHz

Destination	RF BAND (BAND FILTER)	Frequency	
CE4248	TV42-44 (LOW)	Low:	638.125 MHz
		Mid:	650.125 MHz
		High:	662.000 MHz
	TV45-47 (MID)	Low:	662.125 MHz
		Mid:	674.125 MHz
		High:	686.000 MHz
	TV48-50 (HIGH)	Low:	686.125MHz
		Mid:	698.125 MHz
		High:	710.000 MHz
CE5157	TV51-53 (LOW)	Low:	710.125 MHz
		Mid:	722.125 MHz
		High:	734.000 MHz
	TV54-56 (MID)	Low:	734.125 MHz
		Mid:	746.125 MHz
		High:	758.000 MHz
	TV57-59 (HIGH)	Low:	758.125MHz
		Mid:	770.125 MHz
		High:	782.000 MHz

2-2. Adjustment

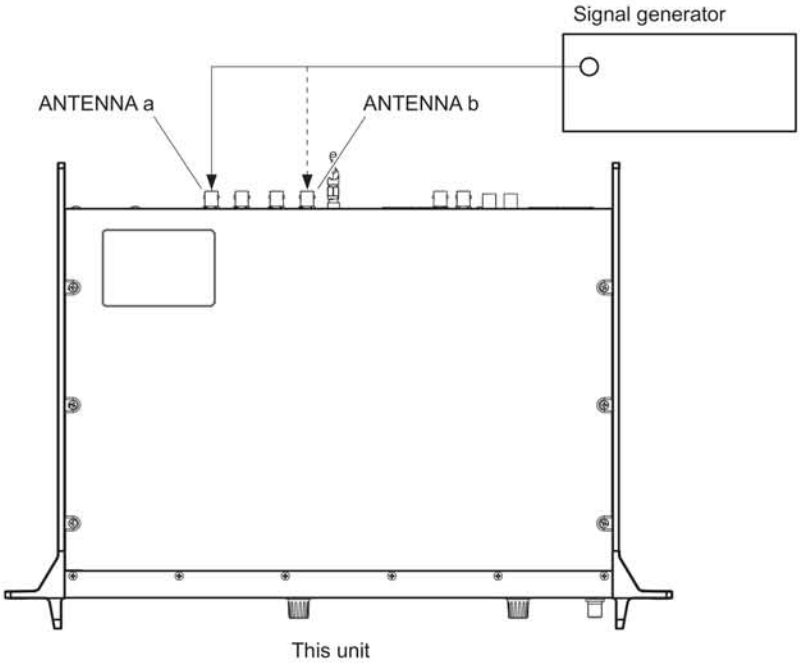
2-2-1. RSSI Adjustment

Make this adjustment when the EEPROM (IC901) on the TUN-19 board has been replaced.

Equipment

- Signal generator
- RF millivoltmeter (+50 Ω terminated probe chip)
- Termination resistor (50 Ω)

Connection



Notes on adjustment

- Terminate unused antenna connectors with a termination resistor (50 Ω).
- Make this adjustment with the Mid frequency (refer to "2-1-5. Frequency Setting during Adjustment) of each RF BAND (BAND FILTER) of corresponding destination.
- Set the RF attenuator to 0 dB.
- Set ANT DC OUT to OFF.

Procedure

1. Set the transmit frequency of the signal generator to unmodulated Mid frequency (refer to "2-1-5. Frequency Setting during Adjustment), and set the signal generator output level to 50 dBμV_{EMF} (−63 dBm).
2. Set RF BAND (BAND FILTER) of the unit to LOW, and set the receive frequency to the Mid frequency for both CH1 and CH2.
3. Connect the signal generator to connector "ANTENNA a" of the unit.
4. Display the test mode according to "1-9. Test Mode."
5. Select the test mode menu "RSSI CORRECT LOW a" and press the JOG dial on the CH1 side.
6. Turn the JOG dial on the CH1 side to display "RSSI CORRECT? YES" and press the JOG dial.

RSSI a correction screen

7. When "OK" appears, the adjustment is completed.
8. After the adjustment, check that five segments of the RF level meter are lit.
9. Make this adjustment also for the "ANTENNA b" side in the same way.
10. Set RF BAND (BAND FILTER) and frequency and perform correction also for "RSSI CORRECT MID a/b" and "RSSI CORRECT HIGH a/b" in the same way.

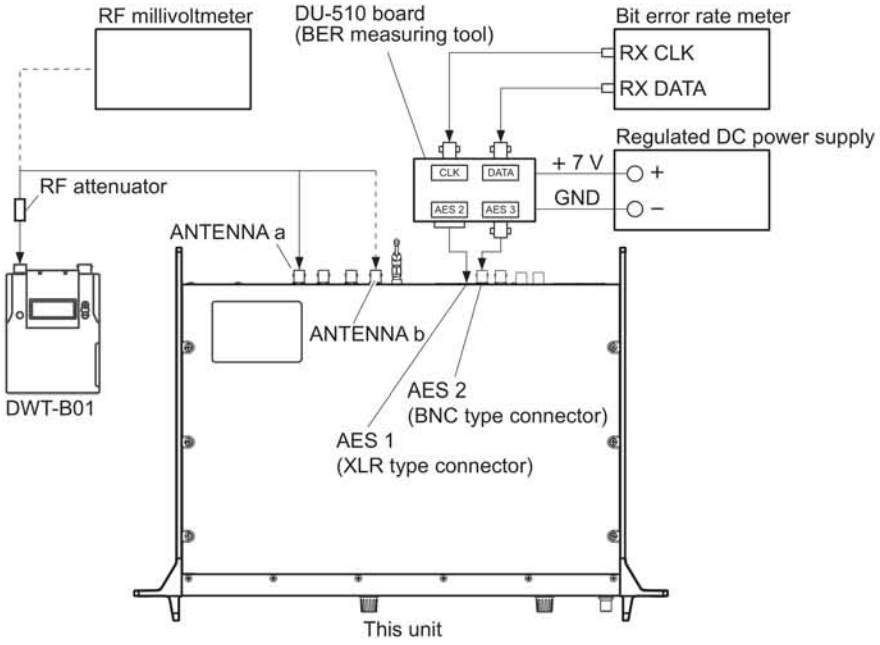
2-2-2. Adjustment of Limiter Threshold Value

Make this adjustment when the EEPROM (IC901) on the TUN-19 board has been replaced.

Equipment

- Completely operable DWT-B01
- RF millivoltmeter (+50 Ω terminated probe chip)
- Bit error rate meter
- RF attenuator
- DU-510 board (BER measuring tool)
- Termination resistor (50 Ω)

Connection



Notes on adjustment

- Terminate unused antenna connectors with a termination resistor (50 Ω).
- Make this adjustment only with the frequency of the corresponding destination shown in the table below.
- Set the RF attenuator to 0 dB.
- Set ANT DC OUT to OFF.

Procedure

Note

For DWT-B01 settings, refer to "2-1-4. Setting the DWT-B01 during the Adjustment of This Unit."

1. Set the transmit frequency of DWT-B01 according to the following table, and set the transmit power to 1 mW, RAW DATA PN9.
2. Connect the DU-510 board (BER measuring tool) to AES 1 (XLR connector) and AES 2 (BNC connector) of the unit.
3. Connect the bit error rate meter and a DC regulated power supply (+7 V) to the DU-510 board.
4. Press the RECEIVER button of CH1 and CH2 to enter the RECEIVER menu, and set the receive frequency from GP/CH according to the following table.
5. Display the test mode according to "1-9. Test Mode."
6. Select test mode menu "DIGI OUT" and set set it to "BER 1CH N PAC."
7. Connect the RF attenuator to the antenna connector of the DWT-B01, and connect the output to "ANTENNA a" of the unit.
8. Adjust the RF attenuator to set a level at which one segment of the "a" side level meter of CH1 starts lighting.
9. Select test mode menu "IF LIMIT 1a" and increment the threshold value by one from 1 with the JOG dial while checking the bit error rate meter indication. Select the threshold value at which the BER (bit error rate) becomes minimal.
10. Connect the RF attenuator output to "ANTENNA b" of the unit referring to steps 7 to 9, and select the "IF LIMIT 1b" threshold value.
11. Set "BER 2CH N PAC" from the test mode menu "DIGI OUT" referring to steps 6 to 10, and set the threshold value on the CH2 side.
12. When the setting has been completed, turn off and on the power and perform "2-3-3. Sensitivity Check."

Destination	RF BAND (BAND FILTER)	Frequency	
U1424	TV18-21 (MID)	Mid:	506.125 MHz
U3040	TV34-36 (MID)	Mid:	599.125 MHz
U4250	TV46-49 (MID)	Mid:	674.125 MHz
CE3338	TV36-37 (MID)	Mid:	598.125 MHz
CE4248	TV45-47 (MID)	Mid:	674.125 MHz
CE5157	TV54-56 (MID)	Mid:	746.125 MHz

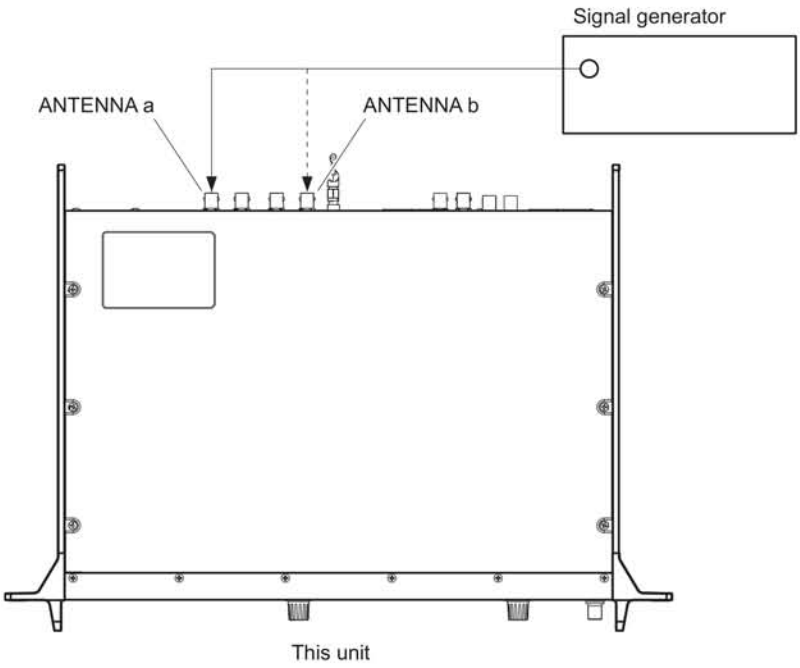
2-3. Checking Performance

2-3-1. RF Indicator (LED) ON Check

Equipment

- Signal generator
- RF millivoltmeter (+50 Ω terminated probe chip)
- Termination resistor (50 Ω)

Connection



Notes on adjustment

- Terminate unused antenna connectors with a termination resistor (50 Ω).
- Set the RF attenuator to 0 dB.
- Set ANT DC OUT to OFF.

Checking lighting of red LEDs

Procedure

1. Set the signal generator to unmodulated Mid frequency, and set the signal generator output level to 20 dBμV_{EMF} (−93 dBm).
2. Connect the signal generator output to connector “ANTENNA a” of the unit, and check that the RF indicators of CH1 and CH2 light red.
3. Also check the RF indicators for “ANTENNA b” in the same way.
4. Also check the RF indicators for other RF BAND (BAND FILTER) in the same way.

Checking lighting of green LEDs

Procedure

1. Set the signal generator to unmodulated Mid frequency, and set the signal generator output level to 30 dBμV_{EMF} (−83 dBm).
2. Connect the signal generator output to connector “ANTENNA a” of the unit, and check that the RF indicators of CH1 and CH2 light green.
3. Also check the RF indicators for “ANTENNA b” in the same way.
4. Also check the RF indicators for other RF bands (band filters) in the same way.

Checking turn-off of LEDs

Procedure

1. Set the signal generator to unmodulated Mid frequency, and set the signal generator output level to 10 dBμV_{EMF} (−103 dBm).
2. Connect the signal generator output to connector “ANTENNA a” of the unit, and check that the RF indicators of CH1 and CH2 do not light.
3. Also check the RF indicators for “ANTENNA b” in the same way.
4. Also check the RF indicators for other RF bands (band filters) in the same way.

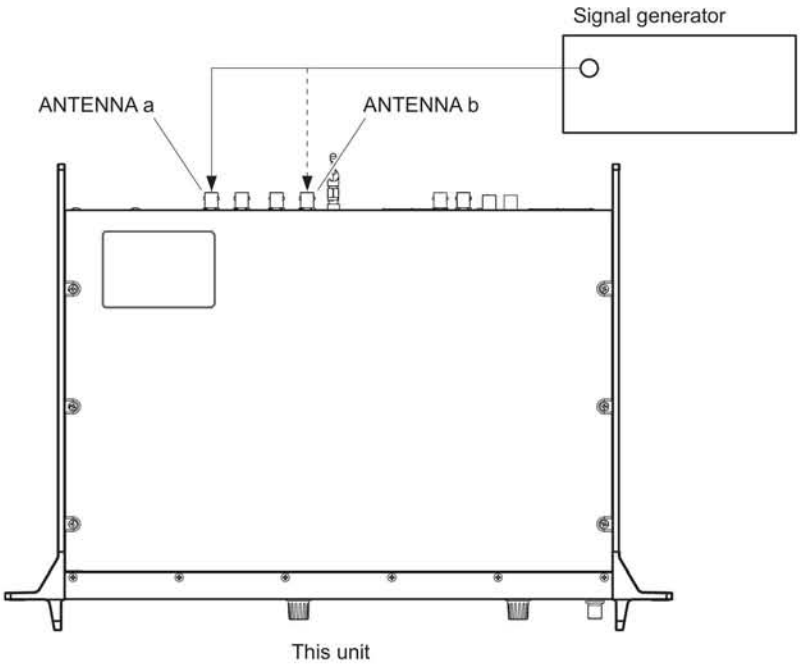
RF indicator on/off	Signal generator output level
Off	10 [dBμV_{EMF}]
Lighting red	20 [dBμV_{EMF}]
Lighting green	30 [dBμV_{EMF}]

2-3-2. RF Level Meter ON Check

Equipment

- Signal generator
- RF millivoltmeter (+50 Ω terminated probe chip)
- Termination resistor (50 Ω)

Connection



Notes on adjustment

- Terminate unused antenna connectors with a termination resistor (50 Ω).
- Set the RF attenuator to 0 dB.
- Set ANT DC OUT to OFF.

Procedure

1. Set the receive frequency of the unit to the Mid frequency for both CH1 and CH2, and set the RF squelch to OFF.
2. Connect the signal generator output to connector “ANTENNA a” of the unit, and check that one segment of the RF level meter of CH1 and CH2 lights.
3. Also check the RF level meter for “ANTENNA b” in the same way.
4. Also check the RF level meter for other RF bands (band filters).
5. Set the signal generator output level to 50 dBμV_{EMF}, and check the RF level meter indication when the output level is input to the unit.

RF level meter specification **Same frequency for CH1 and CH2**		**Screen display** **(ANTENNA a)**
Input level : RF level meter :	50 [dBμV_{EMF}] ±3 [dB] 5 segments	

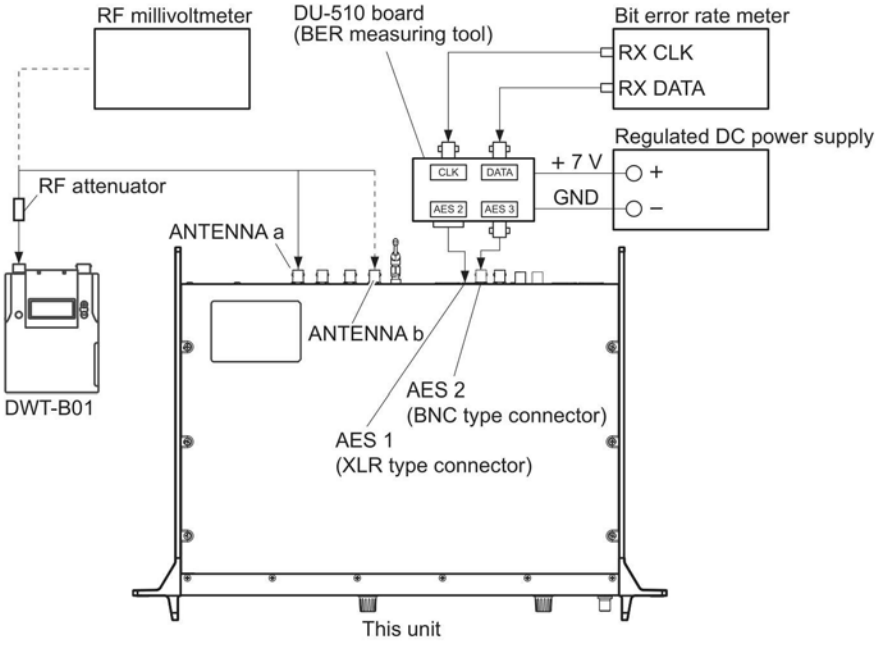
2-3-3. Sensitivity Check

Make this adjustment when "2-2-2. Adjustment of Limiter Threshold Value" has been made.

Equipment

- Completely operable DWT-B01
- RF millivoltmeter (+50 Ω terminated probe chip)
- Bit error rate meter
- RF attenuator
- DU-510 board (BER measuring tool)
- Termination resistor (50 Ω)

Connection



Notes on adjustment

- Terminate unused antenna connectors with a termination resistor (50 Ω).
- Make this adjustment with the Low, Mid, and High frequencies (refer to "2-1-5. Frequency Setting during Adjustment") of each RF band (band filter) of the corresponding destination.
- Set the RF attenuator to 0 dB.
- Set ANT DC OUT to OFF.

Procedure

Note

For DWT-B01 settings, refer to "2-1-4. Setting the DWT-B01 during the Adjustment of This Unit."

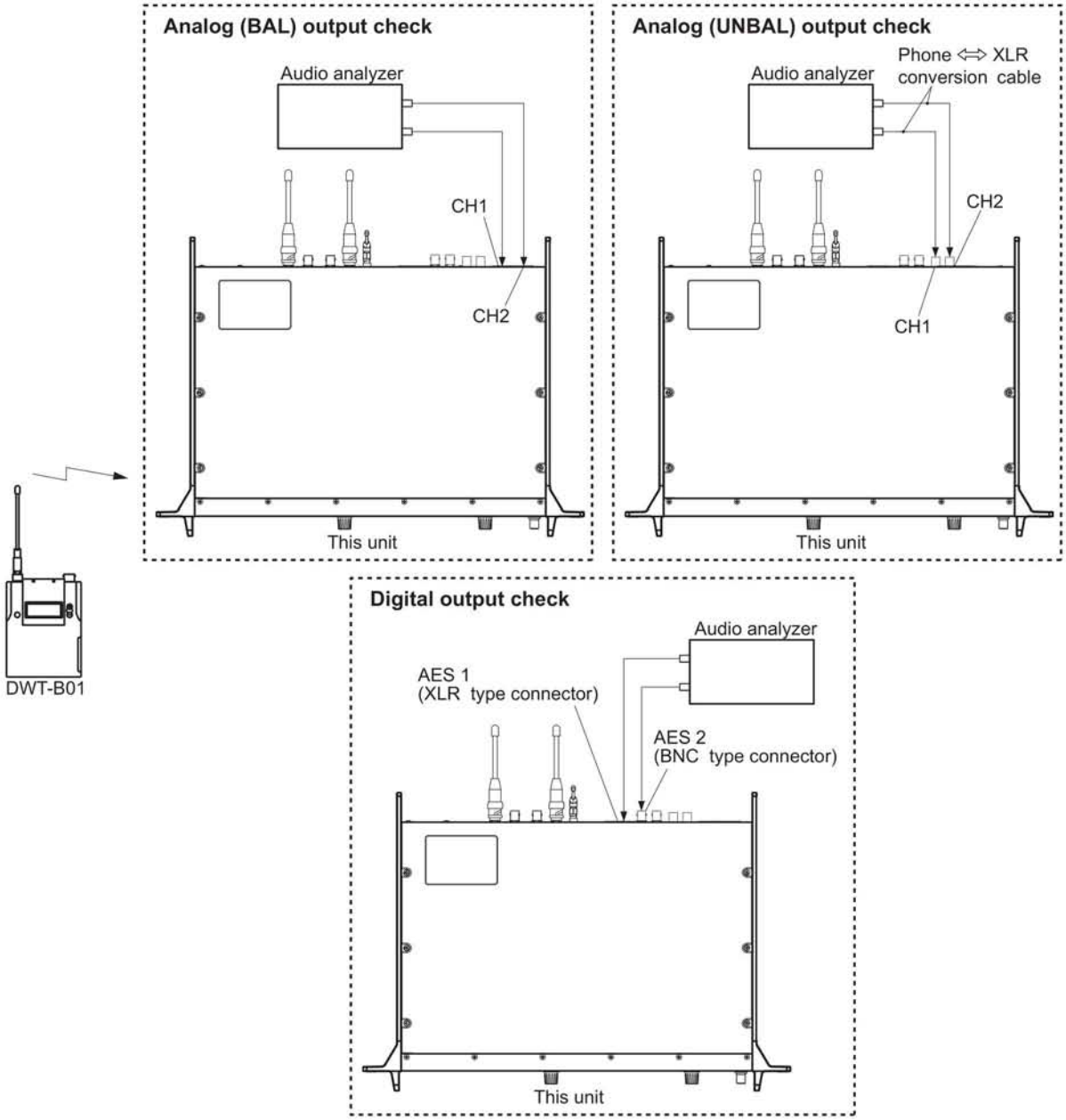
1. Set the transmit frequency of DWT-B01 according to the setting frequency table (refer to "2-1-5. Frequency Setting during Adjustment), and set the transmit power to 1 mW, RAW DATA PN9.
2. Connect the DU-510 board (BER measuring tool) to AES 1 (XLR connector) and AES 2 (BNC connector) of the unit.
3. Connect the bit error rate meter and a DC regulated power supply (+7 V) to the DU-510 board.
4. Press the RECEIVER button of CH1 and CH2 to enter the RECEIVER menu, and set the receive frequency from GP/CH according to the setting frequency table (refer to "2-1-5. Frequency Setting during Adjustment).
5. Display the test mode according to "1-9. Test Mode."
6. Select test mode menu "DIGI OUT" and set set it to "BER 1CH N PAC."
7. Connect the RF attenuator to the antenna connector of the DWT-B01, and connect the output to "ANTENNA a" of the unit.
8. Adjust the RF attenuator to set a level at which the RF indicator of CH1 starts lighting green from red.
9. Check with the bit error rate meter that the BER (bit error rate) is error free (0.00E-0).
10. Connect the RF attenuator output to "ANTENNA b" of the unit referring to steps 7 to 9, set the level, and then check that the BER (bit error rate) is error free (0.00E-0).
11. Set "BER 2CH N PAC" from the test mode menu "DIGI OUT" referring to steps 6 to 10. After the level has been set, check that the BER (bit error rate) is error free (0.00E-0).

2-3-4. Audio Output Level Check

Equipment

- DWT-B01 or equivalent digital wireless transmitter
- Audio analyzer
- Phone ⇔ XLR conversion cable (Refer to "How to make the Phone ⇔ XLR conversion cable")

Connection

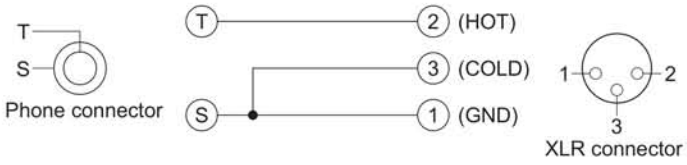


How to make the Phone ⇔ XLR conversion cable

Required

- Phone terminal: Neutrik NP2X or equivalent (dia. 6.3 mm (1/4 inches) TS phone plug)
- XLR terminal: Parts No. 1-821-414-12 or equivalent (3-pin XLR connector (male))
- Wire: Canare L-2T2S or equivalent (balanced type shield wire)

Connection



Procedure

Note

For DWT-B01 settings, refer to "2-1-4. Setting the DWT-B01 during the Adjustment of This Unit."

Checking analog (BAL) output

1. Press the RECEIVER button of CH1 and CH2 to enter the RECEIVER menu, and set OUTPUT LEVEL to "MIC."
2. Connect the audio analyzer to the BAL OUT connector (XLR connector) of the unit, and check that the analog output level of both CH1 and CH2 is −58 dBu ±1.0 dB.
3. Press the RECEIVER button of CH1 and CH2 to enter the RECEIVER menu, and set OUTPUT LEVEL to "LINE."
4. Check that the analog output level of both CH1 and CH2 is −12 dBu ±1.0 dB.

Checking analog (UNBAL) output

1. Press the RECEIVER button of CH1 and CH2 to enter the RECEIVER menu, and set UNBAL ATT to 0 dB.
2. Connect the audio analyzer to the UNBAL OUT connector (TS phone connector) of the unit using the Phone ⇔ XLR conversion cable.
3. Check that the analog output level of both CH1 and CH2 is −12 dBu ±1.0 dB.

Checking digital output

1. Display the test mode according to "1-9. Test Mode."
2. Select test mode menu "DIGI OUT" and check that it is set to "AES/EBU."
3. Connect the audio analyzer to the DIGITAL OUT connector of the unit, and check that the digital output level of AES1 and AES2 is −36 dBFs.

2-3-5. Power Consumption Check

Equipment

• DC power supply (+12 V, 3 A)

Procedure

AC input check

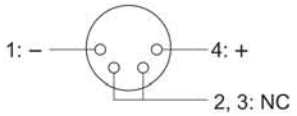
1. Turn off the power of the unit.
2. Connect the power cord to AC IN connector.
3. Disconnect all connectors and cables except the power cable from the unit.
4. Turn on the power of the unit, press the UTILITY button to enter the UTILITY menu, and execute "FACTORY PRESET."
5. Turn off and on the power and check that the power consumption is 16 W or less.

DC input check

1. Turn off the power of the unit.
2. Set the DC power supply to +12 V.
3. Connect the power cord to DC IN connector.

   Note

   Do not fail to connect the polar character of power. When the connection is wrong, this unit may be damaged.



4. Disconnect all connectors and cables except the power cable from the unit.
5. Press the UTILITY button to enter the UTILITY menu, and execute "FACTORY PRESET."
6. Turn off and on the power and check that the power consumption is 1.1 A or less.

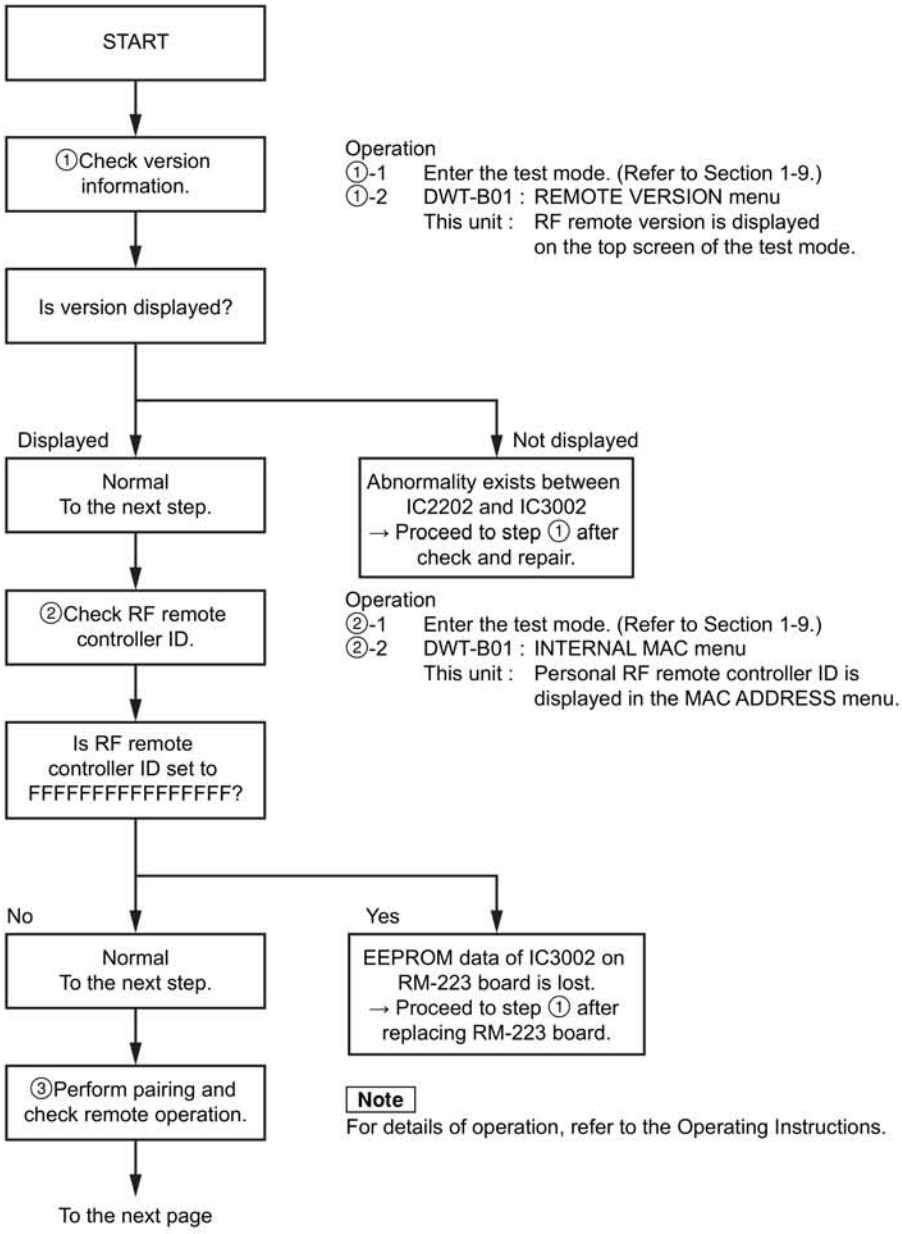
2-3-6. RF Remote Performance Check

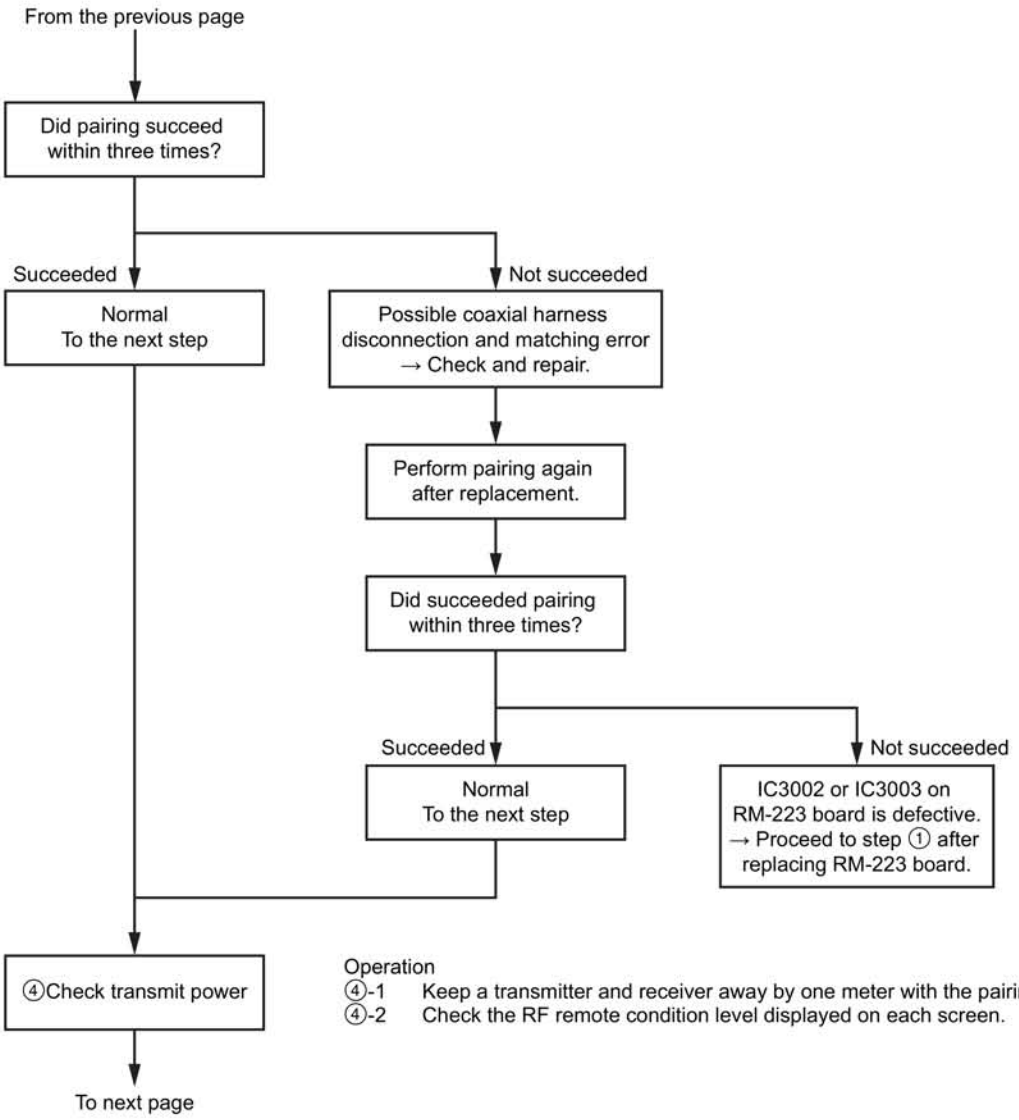
When the RM-223 board has been repaired or replaced, check the operation of this board according to the following flowchart.

If the RM-223 board does not work correctly, the cause probably exists in the path from IC2202 (CPU) through IC3002 (REMOTE CPU), IC3003, CN3001, and CN1101 to antenna.

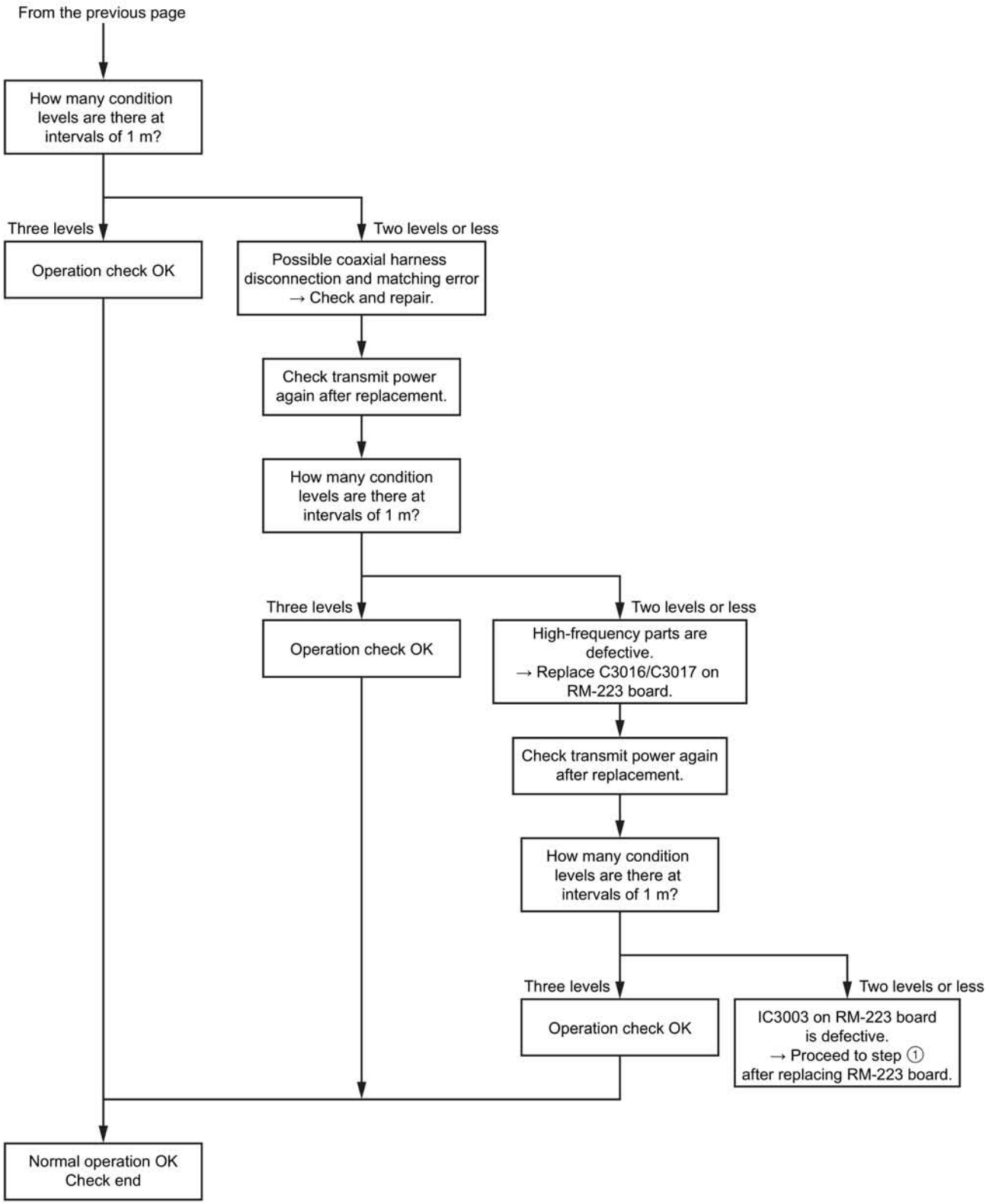
Note

When pairing has been made for checking, the customer's pairing information is lost.





Operation
④-1 Keep a transmitter and receiver away by one meter with the pairing completed.
④-2 Check the RF remote condition level displayed on each screen.


From the previous page
How many condition levels are there at intervals of 1 m?
Three levels
Two levels or less
Operation check OK
Possible coaxial harness disconnection and matching error → Check and repair.
Check transmit power again after replacement.
How many condition levels are there at intervals of 1 m?
Three levels
Two levels or less
Operation check OK
High-frequency parts are defective. → Replace C3016/C3017 on RM-223 board.
Check transmit power again after replacement.
How many condition levels are there at intervals of 1 m?
Three levels
Two levels or less
Operation check OK
IC3003 on RM-223 board is defective. → Proceed to step ① after replacing RM-223 board.
Normal operation OK Check end

2-4. Checking Operation

When each part has been replaced or removed, be sure to carry out operation check according to "1-5. Checking when Replacing or Removing Parts."

2-4-1. Simple Checking of the RF Indicator (LED) Lighting

Note

When performing this simple checking, connect the antenna supplied with this unit to the antenna connector of the unit.

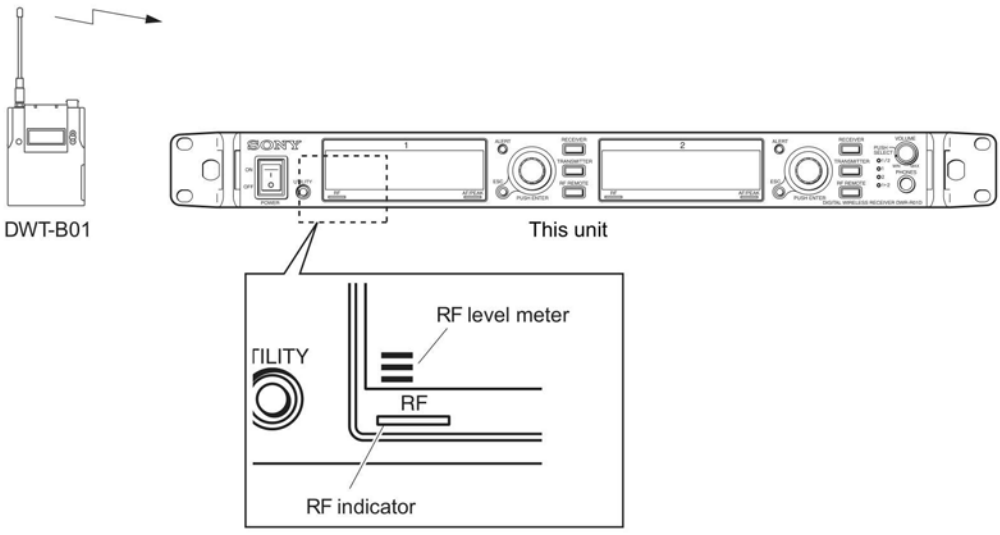
Tool required

• DWT-B01 finished products

Procedure

1. Turn on the power of the DWT-B01 with the same frequency as this unit and transmit radio waves.
   Note
   Transmit radio waves at a short distance that allows communication between the unit and the DWT-B01 on the same table.

2. Check that the RF indicator of the unit lights orange.
3. Separate the DWT-B01 from the unit so that 3 to 7 scales of the RF level meter on the unit light.
4. Check that the RF indicator of the unit lights green.



2-4-2. Simple Checking of the RF Level Meter Lighting

Note

When performing this simple checking, connect the antenna supplied with this unit to the antenna connector of the unit.

Tool required

- DWT-B01 finished products

Procedure

1. Turn on the power of the DWT-B01 with the same frequency as this unit and transmit radio waves.

   Note

   Transmit radio waves at a short distance that allows communication between the unit and the DWT-B01 on the same table.

2. Check that the RF level meter of the unit lights to eight scales (maximum).

RF level meter
8 scales (maximum)

2-4-3. Simple Checking of Audio Output

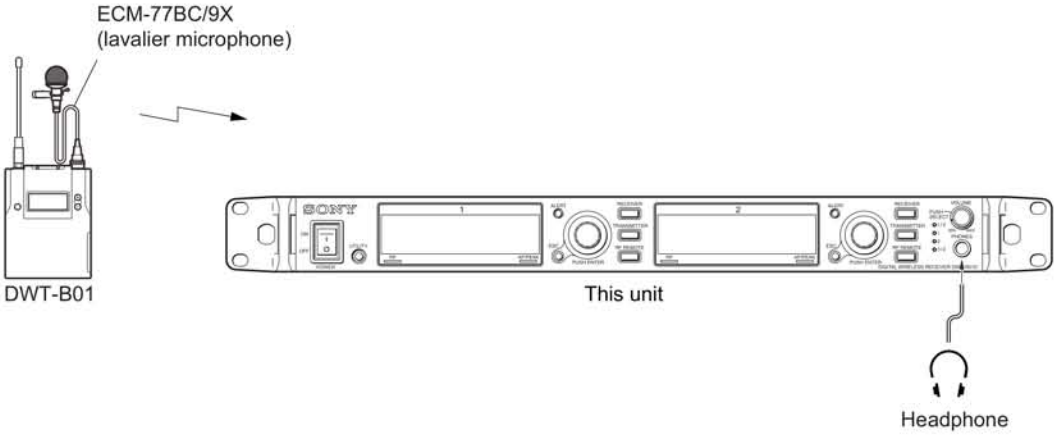
Note

When performing this simple checking, connect the antenna supplied with this unit to the antenna connector of the unit.

Tool required

- DWT-B01 finished products
- ECM-77BC/9X finished products
- Headphone (general purpose products)

Connection



Procedure

1. Turn on the power of the DWT-B01 with the same frequency as this unit and transmit radio waves.

   Note

   Transmit radio waves at a short distance that allows communication between the unit and the DWT-B01 on the same table.

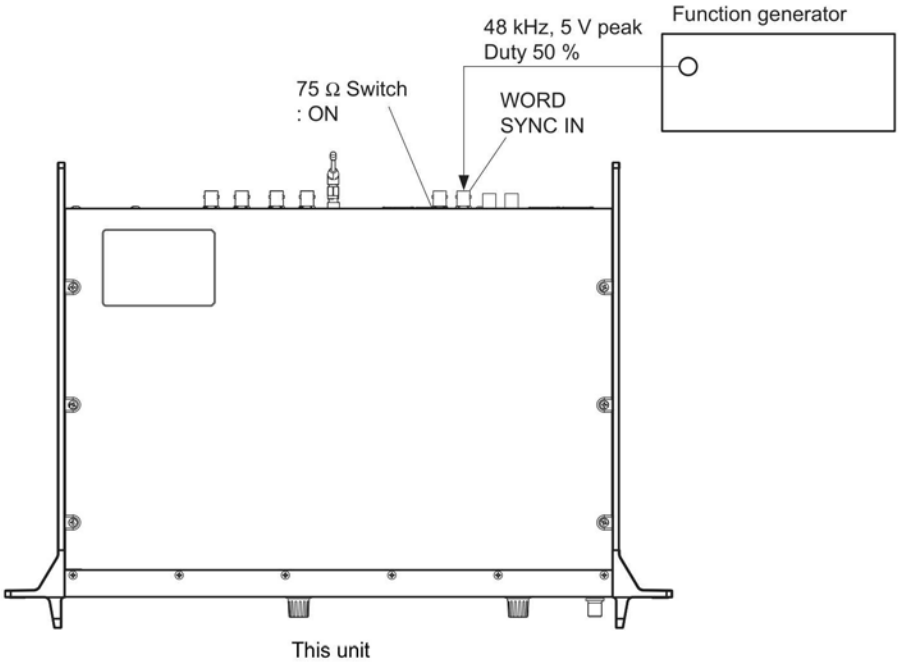
2. Check that sound is normally output from the headphone.
   - There shall be no perceptible distortion in the sound.
   - There shall be no perceptible noise in the sound.
   - The sound volume shall be appropriate.

2-4-4. Simple Checking of the WORD SYNC Operation

Equipment required

• Function generator

Connection



Procedure

1. Press the UTILITY button to enter the UTILITY menu and select “AUDIO.”
2. Check that “AUTO” or “EXTERNAL” is selected from the “SYNC SOURCE” menu.
3. Turn on the 75 Ω switch.
4. Connect the function generator to the WORD SYNC IN connector (BNC connector) of the unit, and input a square wave (48 kHz, 5 V peak, duty ratio = 50 %).
5. Check that the digital output synchronous indication EXT of CH1/CH2 display is lit (INT: lighting, EXT: not blinking).

2-4-5. Simple Checking of the RF Remote Operation

Note

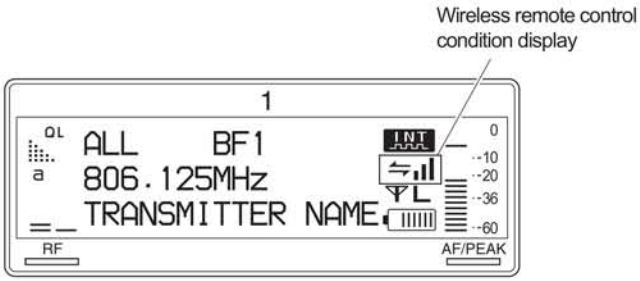
When paring has been made for checking, the customer's paring information is lost.

Tool required

- DWT-B01 finished products

Procedure

1. Pair this unit with the DWT-B01 according to the Operating Instructions.
2. Check that the DWT-B01 can be operated by the remote function of the unit.
3. Check that the wireless remote control condition display is not disabled when the unit is at a distance of about 10 m from the DWT-B01.



: No communication

Section 3
Spare Parts

3-1. 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.

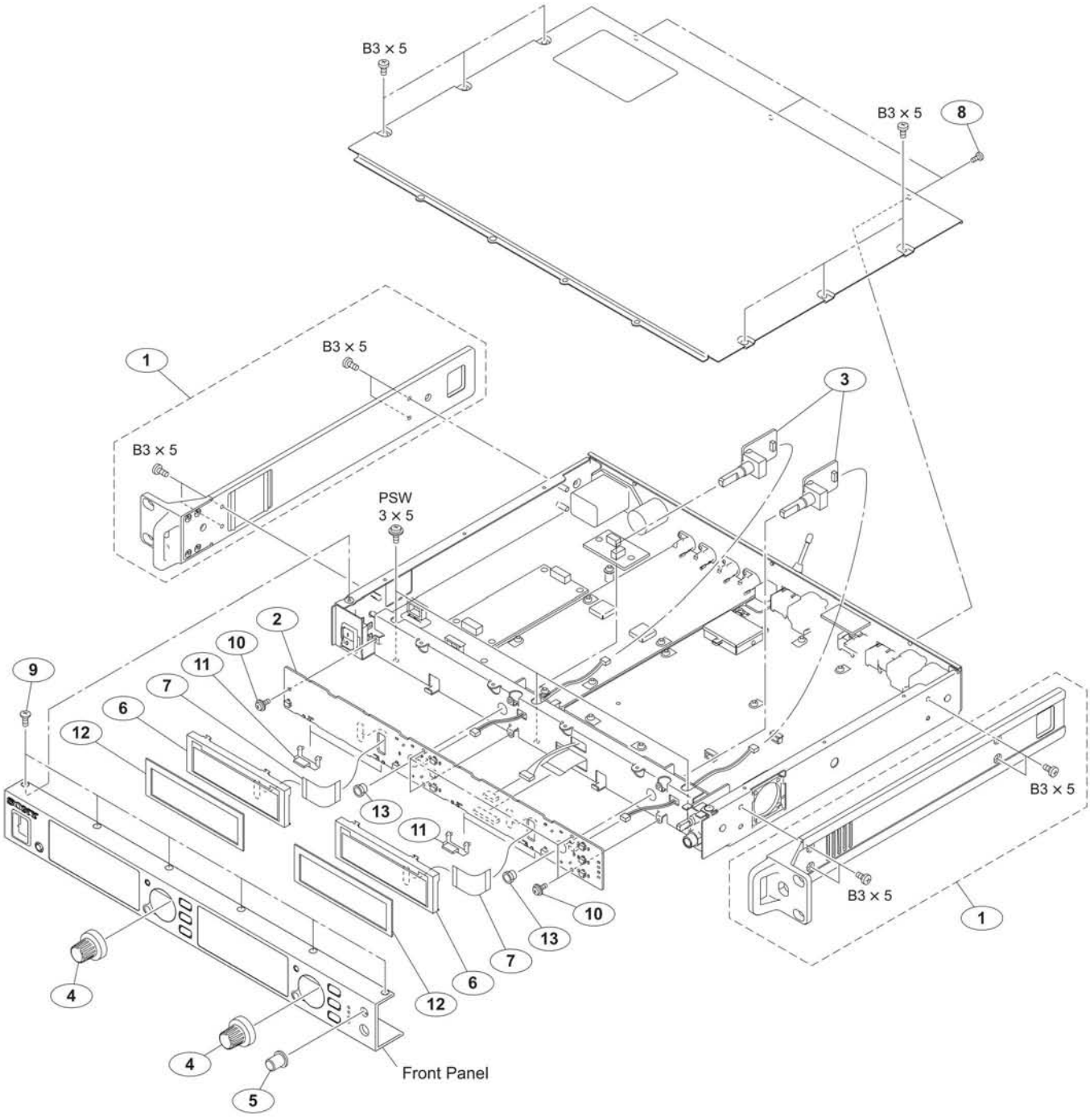
3. Stock of Parts

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

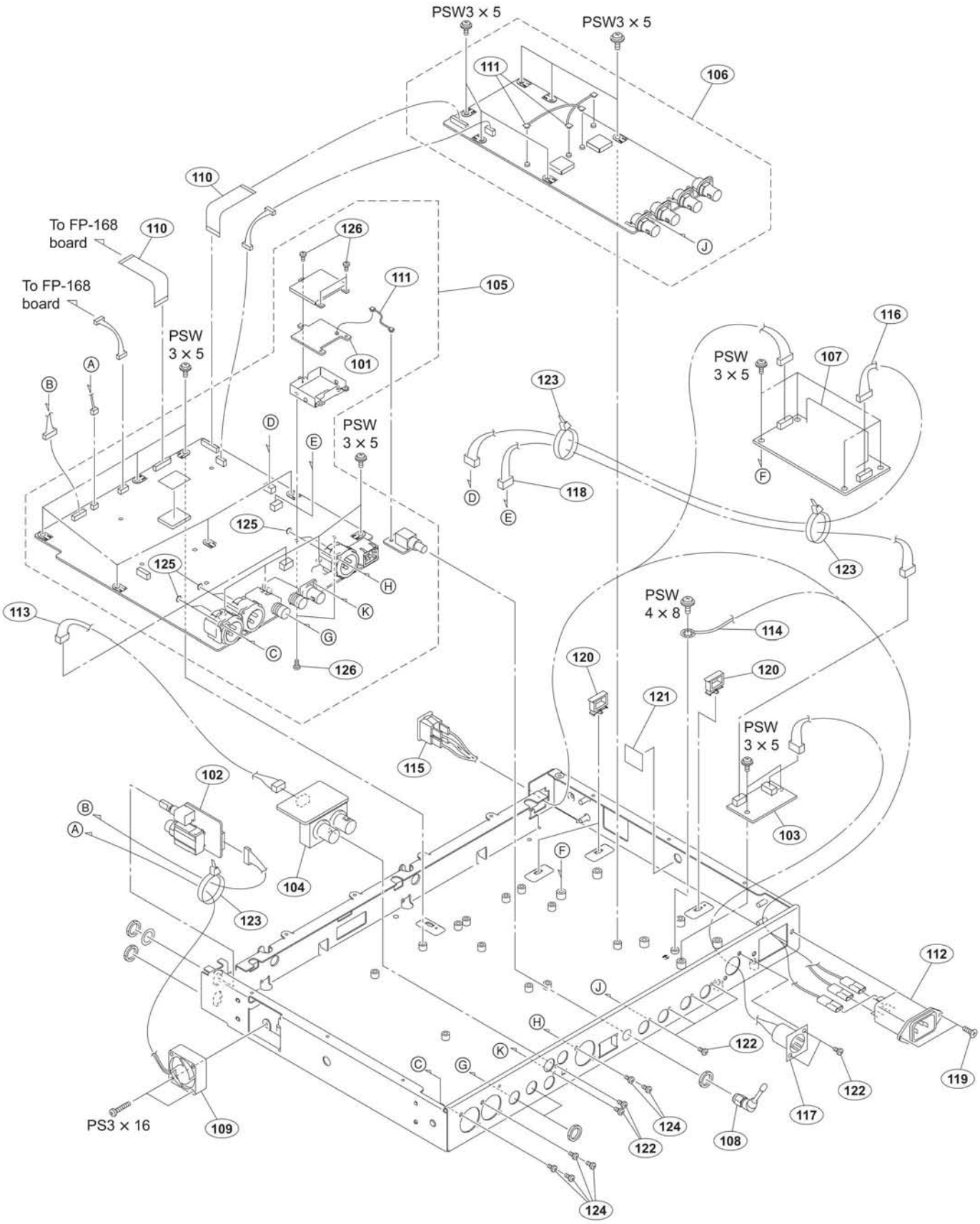
Harnesses with no part number are not registered as spare parts.

3-2. Exploded Views



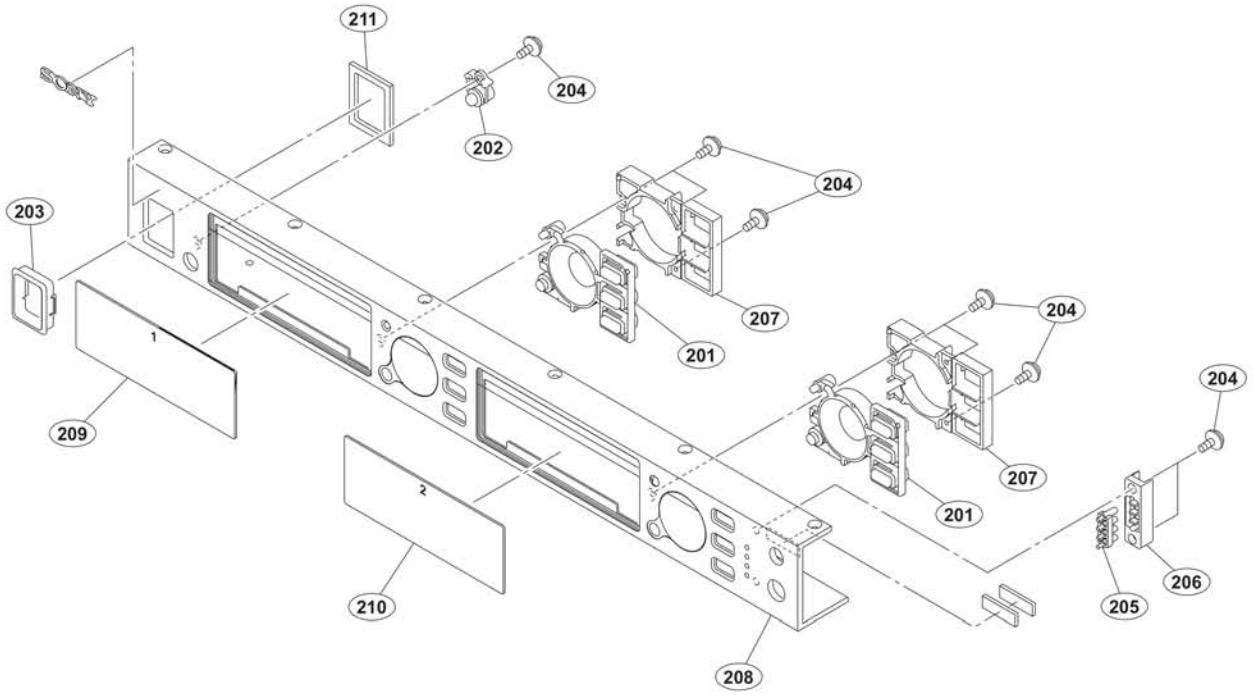
No.	Part No.	SP	Description
1	⚠ A-1752-202-A	s	SIDE PANEL ASSY
2	A-1769-918-A	s	MOUNTED CIRCUIT BOARD, FP-168
3	A-1769-922-A	s	MOUNTED CIRCUIT BOARD, SW-1481
4	X-2541-981-1	s	ASSY,JOG DIAL
5	X-4947-852-2	s	KNOB (1) ASSY
6	1-811-124-11	s	ELEMENT, ORGANIC EL INDICATOR
7	1-831-089-11	s	CABLE, FLEXIBLE FLAT (30 CORE)
8	2-540-969-13	s	SCREW (M2X5), LRT
9	2-580-614-01	s	SCREW, +K M3X8
10	2-640-315-02	o	SCREW (M2X5), SMALL, +P, SW
11	4-168-395-01	s	PLATE (INDICATOR), LIGHT GUIDE
12	4-178-834-01	s	FP CUSHION
13	4-193-077-01	s	GUARD,SHAFT
	7-682-546-09	s	SCREW +B 3X5
	7-682-946-01	s	SCREW +PSW 3X5

Rear Section



No.	Part No.	SP	Description
101	A-1772-804-A	s	MOUNTED CIRCUIT BOARD, RM-223
102	A-1785-937-A	s	MOUNTED CIRCUIT BOARD, HP-158
103	A-1864-534-A	s	MOUNTED CIRCUIT BOARD, CN-3506
104	A-1865-778-A	s	MOUNTED CIRCUIT BOARD, CN-3508
105	A-1868-662-A	s	MOUNTED CIRCUIT BOARD, MB-1191
106	A-1868-671-A	s	MOUNTED CIRCUIT BOARD, TUN-19 (For DWR-R02D/14 (UC))
	A-1868-672-A	s	MOUNTED CIRCUIT BOARD, TUN-19 (For DWR-R02D/30 (UC))
	A-1868-673-A	s	MOUNTED CIRCUIT BOARD, TUN-19 (For DWR-R02D/42 (UC, CE))
	A-1887-164-A	s	MOUNTED CIRCUIT BOARD, TUN-19 (For DWR-R02D/33 (CE))
	A-1887-165-A	s	MOUNTED CIRCUIT BOARD, TUN-19 (For DWR-R02D/51 (CE))
107	⚠ 1-474-396-11	s	REGULATOR,SWITCHING(LFA30F-12)
108	1-754-707-11	s	ANTENNA (SMA) 2.4GHZ
109	⚠ 1-763-538-41	s	FAN, D.C. (30 SQUARE)
110	1-831-157-11	s	CABLE, FLEXIBLE FLAT (50 CORE)
111	1-837-696-11	s	CABLE, CONNECTOR WITH COAXIAL
112	⚠ 1-842-403-11	s	INLET (WITH NOISE FILTER)
113	1-968-014-11	s	HARNESS (DOUT)
114	⚠ 1-968-253-11	s	HARNESS (EARTH)
115	⚠ 1-968-254-11	s	HARNESS (PSW)
116	⚠ 1-968-255-11	s	HARNESS (AC-MB)
117	1-968-256-11	s	HARNESS (DC IN)
118	⚠ 1-968-257-11	s	HARNESS (DC-MB)
119	2-580-614-01	s	SCREW, +K M3X8
120	2-639-283-01	s	REUSE CLAMPER (3T)
121	2-678-968-01	o	TAPE AS (1215)
122	3-637-901-11	s	SCREW M2.6X5
123	3-701-749-01	s	HOLDER, WIRE
124	3-776-750-11	s	SCREW +BVTT 2.5(S)
125	3-796-946-03	s	TAPE(A)
126	4-109-127-02	s	SCREW,+PSW M1.7
	7-682-652-01	s	SCREW +PS 3X16
	7-682-946-01	s	SCREW +PSW 3X5
	7-682-961-01	s	SCREW +PSW 4X8

Front Panel



No.	Part No.	SP	Description
201	X-2546-168-1	s	ASSY,LIGHT GUIDE PLATE(MENU)
202	X-2546-169-1	s	ASSY,LIGHT GUIDE PLATE(UTILITY)
203	2-545-196-01	o	BARRIER (SW)
204	2-640-315-02	o	SCREW (M2X5), SMALL, +P, SW
205	4-168-392-01	s	PLATE (MONITOR), LIGHT GUIDE
206	4-168-399-01	s	PLATE (MONITOR), INTERCEPTION
207	4-168-400-01	s	PLATE (MENU), INTERCEPTION
208	4-168-401-11	s	PANEL, FRONT
209	4-168-407-01	s	OEL WINDOW
210	4-168-407-11	s	OEL WINDOW
211	4-168-409-01	s	SPACER,BARRIER

3-3. Electrical Parts List

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CN-3264 BOARD
-------------
 Ref. No.
 or Q'ty  Part No.    SP Description

 CN1100   1-842-144-11 s CONNECTOR, COAXIAL (SMA) RECE
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CN-3506 BOARD
-------------
 Ref. No.
 or Q'ty  Part No.    SP Description

 1pc      A-1864-534-A s MOUNTED CIRCUIT BOARD, CN-3506

 C3301    1-164-874-81 s CAP,CHIP CERAMIC 100PF CH 1005
 C3302    1-164-939-81 s CAP, CHIPCERAMIC 2200PF B 1005
 C3303    1-164-939-81 s CAP, CHIPCERAMIC 2200PF B 1005

 CN3301   1-764-250-21 s PIN, CONNECTOR (PC BOARD) 4P
 CN3302   1-794-509-21 s PIN, CONNECTOR (PC BOARD) (3P)

 D3301    8-719-066-33 s DIODE RB081L-20TE25

 L3301    1-457-302-21 s COMMON MODE CHOKE COIL

 THP011 ⚠ 1-803-312-21 s THERMISTOR, POSITIVE (RUE300)
 THP012 ⚠ 1-803-312-21 s THERMISTOR, POSITIVE (RUE300)

 TP3301   1-780-925-11 s TERMINAL, LUG
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CN-3508 BOARD
-------------
 Ref. No.
 or Q'ty  Part No.    SP Description

 1pc      A-1865-778-A s MOUNTED CIRCUIT BOARD, CN-3508
 1pc      3-637-901-11 s SCREW M2.6X5

 CN3401   1-770-620-21 s PIN, CONNECTOR 3P
 CN3402   1-819-993-11 s CONNECTOR, COAXIAL(BNC DOUBLE)

 D3401    8-719-069-28 s DI 1SS400FJTE61
 D3402    8-719-069-28 s DI 1SS400FJTE61
 D3403    8-719-069-28 s DI 1SS400FJTE61
 D3404    8-719-069-28 s DI 1SS400FJTE61

 R3401    1-218-990-81 s CONDUCTOR, CHIP (1005)
 R3402    1-218-990-81 s CONDUCTOR, CHIP (1005)
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FP-168 BOARD
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 Ref. No.
 or Q'ty  Part No.    SP Description

 1pc      A-1769-918-A s MOUNTED CIRCUIT BOARD, FP-168

 C1700    1-114-582-91 s CAP, CERAMIC 0.1MF B 1005
 C1701    1-100-672-91 s CAP, CERAMIC 10MF C (3216)
 C1702    1-100-567-81 s CAP,CHIP CERAMIC 0.01MF B 1005
 C1703    1-100-567-81 s CAP,CHIP CERAMIC 0.01MF B 1005
 C1704    1-100-567-81 s CAP,CHIP CERAMIC 0.01MF B 1005

 C1705    1-100-567-81 s CAP,CHIP CERAMIC 0.01MF B 1005
 C1706    1-100-567-81 s CAP,CHIP CERAMIC 0.01MF B 1005
 C1707    1-100-567-81 s CAP,CHIP CERAMIC 0.01MF B 1005
 C1708    1-114-582-91 s CAP, CERAMIC 0.1MF B 1005
 C1709    1-114-582-91 s CAP, CERAMIC 0.1MF B 1005

 C1710    1-114-582-91 s CAP, CERAMIC 0.1MF B 1005
 C1711    1-114-582-91 s CAP, CERAMIC 0.1MF B 1005
 C1712    1-100-672-91 s CAP, CERAMIC 10MF C (3216)
 C1713    1-100-567-81 s CAP,CHIP CERAMIC 0.01MF B 1005
 C1714    1-100-567-81 s CAP,CHIP CERAMIC 0.01MF B 1005

 C1715    1-100-567-81 s CAP,CHIP CERAMIC 0.01MF B 1005
 C1716    1-100-567-81 s CAP,CHIP CERAMIC 0.01MF B 1005
 C1717    1-100-567-81 s CAP,CHIP CERAMIC 0.01MF B 1005
 C1718    1-114-582-91 s CAP, CERAMIC 0.1MF B 1005
 C1719    1-100-672-91 s CAP, CERAMIC 10MF C (3216)

 C1720    1-100-672-91 s CAP, CERAMIC 10MF C (3216)
 C1725    1-114-582-91 s CAP, CERAMIC 0.1MF B 1005
 C1726    1-114-582-91 s CAP, CERAMIC 0.1MF B 1005
 C1727    1-114-582-91 s CAP, CERAMIC 0.1MF B 1005
 C1728    1-114-582-91 s CAP, CERAMIC 0.1MF B 1005

 C1729    1-114-582-91 s CAP, CERAMIC 0.1MF B 1005
 C1730    1-114-582-91 s CAP, CERAMIC 0.1MF B 1005
 C1731    1-114-582-91 s CAP, CERAMIC 0.1MF B 1005
 C1732    1-114-582-91 s CAP, CERAMIC 0.1MF B 1005
 C1733    1-100-672-91 s CAP, CERAMIC 10MF C (3216)

 C1734    1-114-582-91 s CAP, CERAMIC 0.1MF B 1005
 C1735    1-100-672-91 s CAP, CERAMIC 10MF C (3216)
 C1736    1-100-672-91 s CAP, CERAMIC 10MF C (3216)
 C1737    1-100-672-91 s CAP, CERAMIC 10MF C (3216)
 C1738    1-100-672-91 s CAP, CERAMIC 10MF C (3216)

 C1740    1-114-582-91 s CAP, CERAMIC 0.1MF B 1005
 C1741    1-114-582-91 s CAP, CERAMIC 0.1MF B 1005
 C1742    1-114-582-91 s CAP, CERAMIC 0.1MF B 1005
 C1743    1-114-582-91 s CAP, CERAMIC 0.1MF B 1005
 C1744    1-114-582-91 s CAP, CERAMIC 0.1MF B 1005

 C1745    1-114-582-91 s CAP, CERAMIC 0.1MF B 1005
 C1746    1-100-672-91 s CAP, CERAMIC 10MF C (3216)
 C1747    1-100-672-91 s CAP, CERAMIC 10MF C (3216)
 C1748    1-114-582-91 s CAP, CERAMIC 0.1MF B 1005
 C1749    1-100-672-91 s CAP, CERAMIC 10MF C (3216)

 C1750    1-100-672-91 s CAP, CERAMIC 10MF C (3216)
 C1751    1-100-672-91 s CAP, CERAMIC 10MF C (3216)
 C1752    1-100-672-91 s CAP, CERAMIC 10MF C (3216)
 C1753    1-164-874-81 s CAP,CHIP CERAMIC 100PF CH 1005
 C1754    1-164-874-81 s CAP,CHIP CERAMIC 100PF CH 1005

 C1755    1-164-874-81 s CAP,CHIP CERAMIC 100PF CH 1005
 C1756    1-114-582-91 s CAP, CERAMIC 0.1MF B 1005
 C1757    1-100-672-91 s CAP, CERAMIC 10MF C (3216)
 C1758    1-114-582-91 s CAP, CERAMIC 0.1MF B 1005
 C1759    1-100-672-91 s CAP, CERAMIC 10MF C (3216)

 C1760    1-114-582-91 s CAP, CERAMIC 0.1MF B 1005
 C1761    1-100-672-91 s CAP, CERAMIC 10MF C (3216)
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(FP-168 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C1762	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C1763	1-100-672-91	s	CAP, CERAMIC 10MF C (3216)
C1789	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C1792	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C1793	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
CN1700	1-784-625-31	s	CONNECTOR, FFC/FPC(ZIF) AN 30P
CN1701	1-573-806-21	s	PIN, CONNECTOR (1.5MM) (SMD)6P
CN1702	1-784-625-31	s	CONNECTOR, FFC/FPC(ZIF) AN 30P
CN1703	1-778-652-31	s	CONNECTOR, FFC (ZIF) 50P
CN1704	1-779-884-21	s	CONNECTOR 4P
CN1705	1-779-884-21	s	CONNECTOR 4P
D1725	6-502-395-01	s	DI SL-194S-WS-SD-T
D1726	6-502-395-01	s	DI SL-194S-WS-SD-T
D1727	6-502-395-01	s	DI SL-194S-WS-SD-T
D1728	6-502-395-01	s	DI SL-194S-WS-SD-T
D1729	6-502-395-01	s	DI SL-194S-WS-SD-T
D1730	6-502-395-01	s	DI SL-194S-WS-SD-T
D1731	6-502-395-01	s	DI SL-194S-WS-SD-T
D1732	6-502-395-01	s	DI SL-194S-WS-SD-T
D1733	6-502-395-01	s	DI SL-194S-WS-SD-T
D1734	6-502-395-01	s	DI SL-194S-WS-SD-T
D1735	6-502-395-01	s	DI SL-194S-WS-SD-T
D1736	6-502-395-01	s	DI SL-194S-WS-SD-T
D1737	6-502-395-01	s	DI SL-194S-WS-SD-T
D1738	6-502-395-01	s	DI SL-194S-WS-SD-T
D1739	6-502-395-01	s	DI SL-194S-WS-SD-T
D1740	6-502-395-01	s	DI SL-194S-WS-SD-T
D1741	6-502-395-01	s	DI SL-194S-WS-SD-T
D1742	6-502-395-01	s	DI SL-194S-WS-SD-T
D1743	6-502-395-01	s	DI SL-194S-WS-SD-T
D1744	6-502-395-01	s	DI SL-194S-WS-SD-T
D1745	6-502-395-01	s	DI SL-194S-WS-SD-T
D1746	6-502-395-01	s	DI SL-194S-WS-SD-T
D1747	6-502-395-01	s	DI SL-194S-WS-SD-T
D1748	6-502-395-01	s	DI SL-194S-WS-SD-T
D1749	6-502-395-01	s	DI SL-194S-WS-SD-T
D1750	6-502-395-01	s	DI SL-194S-WS-SD-T
D1751	6-502-395-01	s	DI SL-194S-WS-SD-T
D1752	6-502-395-01	s	DI SL-194S-WS-SD-T
D1753	6-502-395-01	s	DI SL-194S-WS-SD-T
D1754	6-502-395-01	s	DI SL-194S-WS-SD-T
D1755	6-502-395-01	s	DI SL-194S-WS-SD-T
D1756	6-502-395-01	s	DI SL-194S-WS-SD-T
D1757	6-502-395-01	s	DI SL-194S-WS-SD-T
D1758	6-502-395-01	s	DI SL-194S-WS-SD-T
D1759	6-502-395-01	s	DI SL-194S-WS-SD-T
D1760	6-502-395-01	s	DI SL-194S-WS-SD-T
D1761	6-502-395-01	s	DI SL-194S-WS-SD-T
D1762	6-502-395-01	s	DI SL-194S-WS-SD-T
D1763	6-502-395-01	s	DI SL-194S-WS-SD-T
D1764	6-502-395-01	s	DI SL-194S-WS-SD-T
D1765	6-502-395-01	s	DI SL-194S-WS-SD-T
D1766	6-502-395-01	s	DI SL-194S-WS-SD-T
D1767	6-502-395-01	s	DI SL-194S-WS-SD-T
D1768	6-502-395-01	s	DI SL-194S-WS-SD-T
D1769	6-502-395-01	s	DI SL-194S-WS-SD-T
D1770	6-502-395-01	s	DI SL-194S-WS-SD-T
D1773	6-502-598-01	s	DI SML-D12U8WT86

(FP-168 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
D1774	6-502-598-01	s	DI SML-D12U8WT86
D1775	6-502-352-01	s	DI SML-522MU8WT86PQ
D1776	6-502-352-01	s	DI SML-522MU8WT86PQ
D1777	6-502-395-01	s	DI SL-194S-WS-SD-T
D1778	6-502-352-01	s	DI SML-522MU8WT86PQ
D1779	6-502-395-01	s	DI SL-194S-WS-SD-T
D1780	6-502-352-01	s	DI SML-522MU8WT86PQ
D1781	6-502-395-01	s	DI SL-194S-WS-SD-T
D1782	6-502-352-01	s	DI SML-522MU8WT86PQ
D1783	6-502-395-01	s	DI SL-194S-WS-SD-T
D1784	6-502-352-01	s	DI SML-522MU8WT86PQ
D1785	6-502-352-01	s	DI SML-522MU8WT86PQ
D1786	6-502-352-01	s	DI SML-522MU8WT86PQ
D1787	6-502-395-01	s	DI SL-194S-WS-SD-T
D1788	6-502-395-01	s	DI SL-194S-WS-SD-T
D1789	6-502-395-01	s	DI SL-194S-WS-SD-T
D1790	6-502-395-01	s	DI SL-194S-WS-SD-T
D1791	6-502-395-01	s	DI SL-194S-WS-SD-T
D1792	6-502-395-01	s	DI SL-194S-WS-SD-T
D1793	6-502-395-01	s	DI SL-194S-WS-SD-T
D1794	6-502-395-01	s	DI SL-194S-WS-SD-T
IC1700	6-712-387-01	s	IC TC74VHC165FT(EKJ)
IC1701	8-759-831-52	s	IC TC7WH125FK
IC1702	8-759-592-44	s	IC TC7SZ04FU(TE85R)
IC1703	6-712-387-01	s	IC TC74VHC165FT(EKJ)
IC1704	8-759-592-44	s	IC TC7SZ04FU(TE85R)
IC1705	8-759-592-44	s	IC TC7SZ04FU(TE85R)
IC1725	6-707-865-01	s	IC TC74VHC125FT(EKJ)
IC1726	6-711-232-01	s	IC MAX6966AEE+T
IC1727	6-711-232-01	s	IC MAX6966AEE+T
IC1728	6-711-232-01	s	IC MAX6966AEE+T
Q1725	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q1726	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q1727	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q1728	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q1729	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q1730	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q1731	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q1732	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q1733	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q1734	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q1735	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q1736	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q1737	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q1738	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q1739	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q1740	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q1741	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q1742	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q1743	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q1744	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q1745	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q1746	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q1747	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q1749	8-729-928-55	s	TRANSISTOR DTA123JE-TL
Q1750	8-729-928-55	s	TRANSISTOR DTA123JE-TL
Q1751	8-729-928-55	s	TRANSISTOR DTA123JE-TL
Q1752	8-729-928-55	s	TRANSISTOR DTA123JE-TL

(FP-168 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
Q1753	8-729-928-55	s	TRANSISTOR DTA123JE-TL
Q1754	8-729-928-55	s	TRANSISTOR DTA123JE-TL
Q1755	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q1756	8-729-928-55	s	TRANSISTOR DTA123JE-TL
Q1757	8-729-928-55	s	TRANSISTOR DTA123JE-TL
Q1758	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q1759	8-729-928-55	s	TRANSISTOR DTA123JE-TL
Q1760	8-729-928-55	s	TRANSISTOR DTA123JE-TL
Q1761	8-729-928-55	s	TRANSISTOR DTA123JE-TL
Q1762	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q1763	8-729-928-55	s	TRANSISTOR DTA123JE-TL
Q1764	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q1765	8-729-928-55	s	TRANSISTOR DTA123JE-TL
Q1766	8-729-928-55	s	TRANSISTOR DTA123JE-TL
Q1767	8-729-928-55	s	TRANSISTOR DTA123JE-TL
Q1768	8-729-928-55	s	TRANSISTOR DTA123JE-TL
Q1769	8-729-928-55	s	TRANSISTOR DTA123JE-TL
Q1770	8-729-928-55	s	TRANSISTOR DTA123JE-TL
Q1771	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q1772	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q1773	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q1774	8-729-929-09	s	TRANSISTOR DTC123JE-TL
R1700	1-208-903-81	s	RES, CHIP 4.7K (1005)
R1701	1-208-935-81	s	RES, CHIP 100K (1005)
R1702	1-216-789-91	s	RES, CHIP 2.2 (1608)
R1703	1-208-935-81	s	RES, CHIP 100K (1005)
R1704	1-208-935-81	s	RES, CHIP 100K (1005)
R1705	1-208-935-81	s	RES, CHIP 100K (1005)
R1706	1-208-935-81	s	RES, CHIP 100K (1005)
R1707	1-208-935-81	s	RES, CHIP 100K (1005)
R1708	1-208-903-81	s	RES, CHIP 4.7K (1005)
R1709	1-208-935-81	s	RES, CHIP 100K (1005)
R1710	1-216-789-91	s	RES, CHIP 2.2 (1608)
R1711	1-208-935-81	s	RES, CHIP 100K (1005)
R1725	1-208-895-81	s	RES, CHIP 2.2K (1005)
R1726	1-208-895-81	s	RES, CHIP 2.2K (1005)
R1727	1-208-895-81	s	RES, CHIP 2.2K (1005)
R1728	1-208-935-81	s	RES, CHIP 100K (1005)
R1729	1-208-935-81	s	RES, CHIP 100K (1005)
R1730	1-208-911-81	s	RES, CHIP 10K (1005)
R1731	1-208-911-81	s	RES, CHIP 10K (1005)
R1732	1-218-835-91	s	RES, CHIP 330 (1608)
R1733	1-218-835-91	s	RES, CHIP 330 (1608)
R1734	1-218-835-91	s	RES, CHIP 330 (1608)
R1735	1-218-835-91	s	RES, CHIP 330 (1608)
R1736	1-218-835-91	s	RES, CHIP 330 (1608)
R1737	1-218-835-91	s	RES, CHIP 330 (1608)
R1738	1-218-835-91	s	RES, CHIP 330 (1608)
R1739	1-218-835-91	s	RES, CHIP 330 (1608)
R1740	1-218-835-91	s	RES, CHIP 330 (1608)
R1741	1-218-835-91	s	RES, CHIP 330 (1608)
R1742	1-218-835-91	s	RES, CHIP 330 (1608)
R1743	1-218-835-91	s	RES, CHIP 330 (1608)
R1744	1-218-835-91	s	RES, CHIP 330 (1608)
R1745	1-218-835-91	s	RES, CHIP 330 (1608)
R1746	1-218-835-91	s	RES, CHIP 330 (1608)
R1747	1-218-835-91	s	RES, CHIP 330 (1608)
R1748	1-208-935-81	s	RES, CHIP 100K (1005)

(FP-168 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R1749	1-218-835-91	s	RES, CHIP 330 (1608)
R1750	1-218-835-91	s	RES, CHIP 330 (1608)
R1751	1-218-835-91	s	RES, CHIP 330 (1608)
R1752	1-218-835-91	s	RES, CHIP 330 (1608)
R1753	1-218-835-91	s	RES, CHIP 330 (1608)
R1754	1-218-835-91	s	RES, CHIP 330 (1608)
R1755	1-218-835-91	s	RES, CHIP 330 (1608)
R1757	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R1758	1-218-835-91	s	RES, CHIP 330 (1608)
R1759	1-218-835-91	s	RES, CHIP 330 (1608)
R1760	1-218-835-91	s	RES, CHIP 330 (1608)
R1761	1-218-835-91	s	RES, CHIP 330 (1608)
R1762	1-218-835-91	s	RES, CHIP 330 (1608)
R1763	1-218-835-91	s	RES, CHIP 330 (1608)
R1764	1-218-843-91	s	RES, CHIP 680 (1608)
R1765	1-218-835-91	s	RES, CHIP 330 (1608)
R1766	1-218-835-91	s	RES, CHIP 330 (1608)
R1767	1-218-843-91	s	RES, CHIP 680 (1608)
R1768	1-218-835-91	s	RES, CHIP 330 (1608)
R1769	1-218-835-91	s	RES, CHIP 330 (1608)
R1770	1-218-843-91	s	RES, CHIP 680 (1608)
R1771	1-218-835-91	s	RES, CHIP 330 (1608)
R1772	1-218-835-91	s	RES, CHIP 330 (1608)
R1773	1-218-843-91	s	RES, CHIP 680 (1608)
R1774	1-218-835-91	s	RES, CHIP 330 (1608)
R1775	1-218-835-91	s	RES, CHIP 330 (1608)
R1776	1-218-835-91	s	RES, CHIP 330 (1608)
R1777	1-218-835-91	s	RES, CHIP 330 (1608)
R1778	1-218-835-91	s	RES, CHIP 330 (1608)
R1779	1-218-835-91	s	RES, CHIP 330 (1608)
R1780	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R1784	1-218-835-91	s	RES, CHIP 330 (1608)
R1785	1-218-835-91	s	RES, CHIP 330 (1608)
R1786	1-218-835-91	s	RES, CHIP 330 (1608)
R1787	1-218-835-91	s	RES, CHIP 330 (1608)
R1788	1-218-835-91	s	RES, CHIP 330 (1608)
R1789	1-218-835-91	s	RES, CHIP 330 (1608)
R1790	1-218-835-91	s	RES, CHIP 330 (1608)
R1791	1-218-835-91	s	RES, CHIP 330 (1608)
R1792	1-218-835-91	s	RES, CHIP 330 (1608)
R1793	1-218-835-91	s	RES, CHIP 330 (1608)
R1794	1-218-835-91	s	RES, CHIP 330 (1608)
R1795	1-218-835-91	s	RES, CHIP 330 (1608)
R1796	1-218-835-91	s	RES, CHIP 330 (1608)
R1797	1-218-835-91	s	RES, CHIP 330 (1608)
R1798	1-218-835-91	s	RES, CHIP 330 (1608)
R1799	1-218-835-91	s	RES, CHIP 330 (1608)
R1800	1-218-835-91	s	RES, CHIP 330 (1608)
R1801	1-218-835-91	s	RES, CHIP 330 (1608)
R1802	1-218-835-91	s	RES, CHIP 330 (1608)
R1803	1-218-835-91	s	RES, CHIP 330 (1608)
R1804	1-218-835-91	s	RES, CHIP 330 (1608)
R1805	1-218-835-91	s	RES, CHIP 330 (1608)
R1806	1-218-835-91	s	RES, CHIP 330 (1608)
R1807	1-218-835-91	s	RES, CHIP 330 (1608)
R1808	1-218-835-91	s	RES, CHIP 330 (1608)
R1809	1-218-835-91	s	RES, CHIP 330 (1608)
R1810	1-218-835-91	s	RES, CHIP 330 (1608)
R1811	1-218-843-91	s	RES, CHIP 680 (1608)

(FP-168 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R1812	1-218-843-91	s	RES, CHIP 680 (1608)
R1813	1-218-843-91	s	RES, CHIP 680 (1608)
R1814	1-218-843-91	s	RES, CHIP 680 (1608)
R1815	1-218-835-91	s	RES, CHIP 330 (1608)
R1816	1-218-835-91	s	RES, CHIP 330 (1608)
R1817	1-218-835-91	s	RES, CHIP 330 (1608)
R1818	1-218-835-91	s	RES, CHIP 330 (1608)
RB1700	1-234-381-21	s	RES, NETWORK 100K (1005X4)
RB1701	1-234-381-21	s	RES, NETWORK 100K (1005X4)
RB1702	1-234-381-21	s	RES, NETWORK 100K (1005X4)
RB1703	1-234-381-21	s	RES, NETWORK 100K (1005X4)
RB1704	1-234-381-21	s	RES, NETWORK 100K (1005X4)
RB1705	1-234-381-21	s	RES, NETWORK 100K (1005X4)
RB1725	1-234-377-21	s	RES, NETWORK 4.7K (1005X4)
RB1726	1-234-378-21	s	RES, NETWORK 10K (1005X4)
RB1727	1-234-378-21	s	RES, NETWORK 10K (1005X4)
RB1728	1-234-378-21	s	RES, NETWORK 10K (1005X4)
RB1729	1-234-378-21	s	RES, NETWORK 10K (1005X4)
RB1730	1-234-378-21	s	RES, NETWORK 10K (1005X4)
S1700	1-798-323-11	s	SWITCH, TACTILE
S1701	1-798-323-11	s	SWITCH, TACTILE
S1702	1-798-323-11	s	SWITCH, TACTILE
S1703	1-798-323-11	s	SWITCH, TACTILE
S1704	1-798-323-11	s	SWITCH, TACTILE
S1705	1-798-323-11	s	SWITCH, TACTILE
S1706	1-798-323-11	s	SWITCH, TACTILE
S1707	1-798-323-11	s	SWITCH, TACTILE
S1708	1-798-323-11	s	SWITCH, TACTILE

HP-158 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1785-937-A	s	MOUNTED CIRCUIT BOARD, HP-158
C1802	1-164-939-81	s	CAP, CHIPCERAMIC 2200PF B 1005
C1803	1-164-939-81	s	CAP, CHIPCERAMIC 2200PF B 1005
CN1800	1-793-141-21	s	PIN, CONNECTOR (PC BOARD) 15P
CN1801	1-821-400-11	s	JACK, LARGE TYPE (SHIELD) 9P
D1800	8-719-069-28	s	DI 1SS400FJTE61
D1801	8-719-069-28	s	DI 1SS400FJTE61
D1802	8-719-069-28	s	DI 1SS400FJTE61
D1803	8-719-069-28	s	DI 1SS400FJTE61
L1800	1-469-553-21	s	INDUCTOR, CHIP 4.7UH (LB2016)
L1801	1-469-553-21	s	INDUCTOR, CHIP 4.7UH (LB2016)
R1802	1-220-870-81	s	RES, CHIP 10 (1005)
R1803	1-220-870-81	s	RES, CHIP 10 (1005)
RV1800	1-227-868-11	s	POTENTIOMETER 10K
THP2	1-805-726-11	s	THERMISTOR, POSITIVE
THP3	1-805-726-11	s	THERMISTOR, POSITIVE

MB-1191 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1868-662-A	s	MOUNTED CIRCUIT BOARD, MB-1191
1pc	3-637-901-11	s	SCREW M2.6X5
6pcs	3-796-946-03	s	TAPE(A)
1pc	7-600-000-48	s	ADHESIVE AGENT(SC608LVZ2)180ML
C2007	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2009	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C2010	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C2011	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C2012	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C2014	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2015	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2022	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2023	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2024	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2025	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2026	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2027	1-112-815-91	s	CAP, CERAMIC 10MF C (1608)
C2028	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2029	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2030	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C2031	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2032	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2033	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C2034	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C2035	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C2036	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C2037	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2038	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C2039	1-164-937-81	s	CAP, CHIPCERAMIC 1000PF B 1005
C2040	1-164-937-81	s	CAP, CHIPCERAMIC 1000PF B 1005
C2041	1-100-881-91	s	CAP, CERAMIC 47MF C (3216)
C2042	1-100-881-91	s	CAP, CERAMIC 47MF C (3216)
C2043	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2044	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2045	1-164-937-81	s	CAP, CHIPCERAMIC 1000PF B 1005
C2046	1-164-937-81	s	CAP, CHIPCERAMIC 1000PF B 1005
C2047	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C2048	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2049	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C2050	1-112-815-91	s	CAP, CERAMIC 10MF C (1608)
C2051	1-112-815-91	s	CAP, CERAMIC 10MF C (1608)
C2052	1-164-937-81	s	CAP, CHIPCERAMIC 1000PF B 1005
C2053	1-164-937-81	s	CAP, CHIPCERAMIC 1000PF B 1005
C2054	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2055	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2056	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2057	1-112-815-91	s	CAP, CERAMIC 10MF C (1608)
C2058	1-112-815-91	s	CAP, CERAMIC 10MF C (1608)
C2059	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C2060	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C2061	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2062	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C2063	1-112-815-91	s	CAP, CERAMIC 10MF C (1608)
C2064	1-112-815-91	s	CAP, CERAMIC 10MF C (1608)
C2065	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C2066	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C2067	1-112-815-91	s	CAP, CERAMIC 10MF C (1608)
C2068	1-112-815-91	s	CAP, CERAMIC 10MF C (1608)
C2069	1-164-937-81	s	CAP, CHIPCERAMIC 1000PF B 1005

(MB-1191 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C2070	1-164-937-81	s	CAP, CHIPCERAMIC 1000PF B 1005
C2071	1-100-881-91	s	CAP, CERAMIC 47MF C (3216)
C2072	1-100-881-91	s	CAP, CERAMIC 47MF C (3216)
C2073	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C2074	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2075	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2076	1-164-937-81	s	CAP, CHIPCERAMIC 1000PF B 1005
C2077	1-164-937-81	s	CAP, CHIPCERAMIC 1000PF B 1005
C2078	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C2079	1-164-937-81	s	CAP, CHIPCERAMIC 1000PF B 1005
C2080	1-164-937-81	s	CAP, CHIPCERAMIC 1000PF B 1005
C2081	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2082	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2083	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C2084	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2085	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C2086	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C2087	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2088	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2089	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2090	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C2091	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C2092	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C2093	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C2094	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2095	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C2096	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C2099	1-164-850-81	s	CAP, CHIP CERAMIC 10PF CH 1005
C2100	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2102	1-164-845-81	s	CAP, CHIP CERAMIC 5PF CH 1005
C2107	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C2109	1-112-815-91	s	CAP, CERAMIC 10MF C (1608)
C2110	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2111	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2113	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C2114	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C2118	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C2120	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C2122	1-112-815-91	s	CAP, CERAMIC 10MF C (1608)
C2123	1-100-880-91	s	CAP, CERAMIC 100MF C (3225)
C2124	1-164-845-81	s	CAP, CHIP CERAMIC 5PF CH 1005
C2125	1-164-842-81	s	CAP,CHIP CERAMIC 2.0PF CK 1005
C2200	1-164-937-81	s	CAP, CHIPCERAMIC 1000PF B 1005
C2201	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2202	1-114-983-91	s	CAP, CHIP CERAMIC 2.2MF B 1608
C2203	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2204	1-114-983-91	s	CAP, CHIP CERAMIC 2.2MF B 1608
C2205	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2206	1-100-881-91	s	CAP, CERAMIC 47MF C (3216)
C2207	1-100-881-91	s	CAP, CERAMIC 47MF C (3216)
C2208	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2209	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2210	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C2211	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C2212	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C2213	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2214	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C2215	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2216	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005

(MB-1191 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C2217	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2218	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2219	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2220	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2221	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2222	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2223	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2224	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2225	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2226	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2227	1-164-937-81	s	CAP, CHIPCERAMIC 1000PF B 1005
C2228	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2229	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2230	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2231	1-114-472-91	s	CAP, CERAMIC 1000PF X7R (2000)
C2232	1-164-939-81	s	CAP, CHIPCERAMIC 2200PF B 1005
C2233	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2234	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2235	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2236	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C2237	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C2238	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C2239	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C2240	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C2241	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2242	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2243	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C2244	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C2245	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C2246	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C2247	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C2248	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2249	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C2250	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C2251	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C2252	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C2253	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C2254	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C2255	1-164-937-81	s	CAP, CHIPCERAMIC 1000PF B 1005
C2257	1-164-866-81	s	CAP, CHIP CERAMIC 47PF CH 1005
C2258	1-164-866-81	s	CAP, CHIP CERAMIC 47PF CH 1005
C2259	1-164-866-81	s	CAP, CHIP CERAMIC 47PF CH 1005
C2406	1-118-123-11	s	CAP, ELECT 180MF
C2407	1-100-597-91	s	CAP, CHIP CERAMIC 0.1MF B 1608
C2408	1-100-597-91	s	CAP, CHIP CERAMIC 0.1MF B 1608
C2409	1-100-597-91	s	CAP, CHIP CERAMIC 0.1MF B 1608
C2412	1-100-597-91	s	CAP, CHIP CERAMIC 0.1MF B 1608
C2413	1-100-597-91	s	CAP, CHIP CERAMIC 0.1MF B 1608
C2414	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2424	1-112-815-91	s	CAP, CERAMIC 10MF C (1608)
C2425	1-127-956-21	s	CAP, CHIP FILM 0.1MF (3225)
C2426	1-116-430-11	s	CAP, AL SOLID ELECT 10MF 105
C2427	1-127-956-21	s	CAP, CHIP FILM 0.1MF (3225)
C2428	1-116-430-11	s	CAP, AL SOLID ELECT 10MF 105
C2429	1-127-956-21	s	CAP, CHIP FILM 0.1MF (3225)
C2430	1-127-956-21	s	CAP, CHIP FILM 0.1MF (3225)
C2431	1-116-430-11	s	CAP, AL SOLID ELECT 10MF 105
C2432	1-116-430-11	s	CAP, AL SOLID ELECT 10MF 105
C2433	1-127-956-21	s	CAP, CHIP FILM 0.1MF (3225)

(MB-1191 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C2434	1-127-956-21	s	CAP, CHIP FILM 0.1MF (3225)
C2435	1-116-430-11	s	CAP, AL SOLID ELECT 10MF 105
C2436	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C2500	1-116-378-11	s	CAP, AL SOLID ELECT 100MF 105
C2501	1-116-378-11	s	CAP, AL SOLID ELECT 100MF 105
C2502	1-135-820-21	s	CAP, CHIP FILM 0.001MF
C2503	1-135-820-21	s	CAP, CHIP FILM 0.001MF
C2504	1-127-960-21	s	CAP, CHIP FILM 150PF (2012)
C2505	1-127-960-21	s	CAP, CHIP FILM 150PF (2012)
C2506	1-127-960-21	s	CAP, CHIP FILM 150PF (2012)
C2507	1-127-960-21	s	CAP, CHIP FILM 150PF (2012)
C2508	1-127-959-21	s	CAP, CHIP FILM 100PF (2012)
C2509	1-127-959-21	s	CAP, CHIP FILM 100PF (2012)
C2510	1-127-959-21	s	CAP, CHIP FILM 100PF (2012)
C2511	1-127-959-21	s	CAP, CHIP FILM 100PF (2012)
C2512	1-127-959-21	s	CAP, CHIP FILM 100PF (2012)
C2513	1-127-959-21	s	CAP, CHIP FILM 100PF (2012)
C2514	1-164-858-81	s	CAP, CHIP CERAMIC 22PF CH 1005
C2515	1-127-956-21	s	CAP, CHIP FILM 0.1MF (3225)
C2516	1-164-858-81	s	CAP, CHIP CERAMIC 22PF CH 1005
C2517	1-127-956-21	s	CAP, CHIP FILM 0.1MF (3225)
C2518	1-164-858-81	s	CAP, CHIP CERAMIC 22PF CH 1005
C2519	1-127-956-21	s	CAP, CHIP FILM 0.1MF (3225)
C2520	1-164-858-81	s	CAP, CHIP CERAMIC 22PF CH 1005
C2521	1-127-956-21	s	CAP, CHIP FILM 0.1MF (3225)
C2522	1-127-956-21	s	CAP, CHIP FILM 0.1MF (3225)
C2523	1-127-956-21	s	CAP, CHIP FILM 0.1MF (3225)
C2524	1-127-956-21	s	CAP, CHIP FILM 0.1MF (3225)
C2525	1-127-956-21	s	CAP, CHIP FILM 0.1MF (3225)
C2526	1-107-923-91	s	CAP, ELECT 330MF
C2527	1-107-923-91	s	CAP, ELECT 330MF
C2528	1-107-923-91	s	CAP, ELECT 330MF
C2529	1-107-923-91	s	CAP, ELECT 330MF
C2534	1-135-820-21	s	CAP, CHIP FILM 0.001MF
C2535	1-135-820-21	s	CAP, CHIP FILM 0.001MF
C2536	1-135-820-21	s	CAP, CHIP FILM 0.001MF
C2537	1-135-820-21	s	CAP, CHIP FILM 0.001MF
C2538	1-135-820-21	s	CAP, CHIP FILM 0.001MF
C2539	1-135-820-21	s	CAP, CHIP FILM 0.001MF
C2540	1-135-820-21	s	CAP, CHIP FILM 0.001MF
C2541	1-135-820-21	s	CAP, CHIP FILM 0.001MF
C2542	1-116-378-11	s	CAP, AL SOLID ELECT 100MF 105
C2543	1-116-378-11	s	CAP, AL SOLID ELECT 100MF 105
C2544	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C2545	1-100-581-81	s	CAP,CHIP CERAMIC0.0047MF B1005
C2546	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C2547	1-100-581-81	s	CAP,CHIP CERAMIC0.0047MF B1005
C2605	1-118-123-11	s	CAP, ELECT 180MF
C2606	1-100-591-91	s	CAP, CHIP CERAMIC 1MF B 2012
C2607	1-100-591-91	s	CAP, CHIP CERAMIC 1MF B 2012
C2610	1-116-432-11	s	CAP, AL SOLID ELECT 47MF 105
C2611	1-100-591-91	s	CAP, CHIP CERAMIC 1MF B 2012
C2612	1-100-591-91	s	CAP, CHIP CERAMIC 1MF B 2012
C2613	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2614	1-114-507-11	s	CAP, CERAMIC 1UF X7R
C2615	1-164-939-81	s	CAP, CHIPCERAMIC 2200PF B 1005
C2616	1-135-960-91	s	CAP, CHIP CERAMIC 10MF B(3225)
C2617	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2618	1-100-591-91	s	CAP, CHIP CERAMIC 1MF B 2012

(MB-1191 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C2619	1-100-591-91	s	CAP, CHIP CERAMIC 1MF B 2012
C2620	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C2621	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C2622	1-112-815-91	s	CAP, CERAMIC 10MF C (1608)
C2623	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2624	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2625	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C2626	1-164-937-81	s	CAP, CHIPCERAMIC 1000PF B 1005
C2627	1-126-405-21	s	CAP, CHIP ELECT 10MF (6.3X5.7)
C2628	1-127-956-21	s	CAP, CHIP FILM 0.1MF (3225)
C2629	1-126-405-21	s	CAP, CHIP ELECT 10MF (6.3X5.7)
C2630	1-116-378-11	s	CAP, AL SOLID ELECT 100MF 105
C2631	1-127-956-21	s	CAP, CHIP FILM 0.1MF (3225)
C2632	1-114-112-11	s	CAP, ELECT 100MF (6.3X7.7)
C2633	1-107-819-81	s	CAP,CHIP CERAMIC 22000PF B1005
C2635	1-116-418-11	s	CAP, AL SOLID ELECT 22MF 105
C2636	1-116-418-11	s	CAP, AL SOLID ELECT 22MF 105
C2637	1-116-418-11	s	CAP, AL SOLID ELECT 22MF 105
C2638	1-118-123-11	s	CAP, ELECT 180MF
C2641	1-116-418-11	s	CAP, AL SOLID ELECT 22MF 105
C2703	1-116-378-11	s	CAP, AL SOLID ELECT 100MF 105
C2704	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2705	1-164-937-81	s	CAP, CHIPCERAMIC 1000PF B 1005
C2706	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2707	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2708	1-164-937-81	s	CAP, CHIPCERAMIC 1000PF B 1005
C2709	1-135-820-21	s	CAP, CHIP FILM 0.001MF
C2710	1-135-820-21	s	CAP, CHIP FILM 0.001MF
C2711	1-127-959-21	s	CAP, CHIP FILM 100PF (2012)
C2712	1-127-959-21	s	CAP, CHIP FILM 100PF (2012)
C2713	1-127-959-21	s	CAP, CHIP FILM 100PF (2012)
C2714	1-127-959-21	s	CAP, CHIP FILM 100PF (2012)
C2715	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2716	1-126-405-21	s	CAP, CHIP ELECT 10MF (6.3X5.7)
C2717	1-126-405-21	s	CAP, CHIP ELECT 10MF (6.3X5.7)
C2718	1-127-959-21	s	CAP, CHIP FILM 100PF (2012)
C2719	1-127-959-21	s	CAP, CHIP FILM 100PF (2012)
C2720	1-127-960-21	s	CAP, CHIP FILM 150PF (2012)
C2721	1-127-960-21	s	CAP, CHIP FILM 150PF (2012)
C2723	1-116-378-11	s	CAP, AL SOLID ELECT 100MF 105
C2724	1-164-937-81	s	CAP, CHIPCERAMIC 1000PF B 1005
C2725	1-128-401-21	s	CAP, ELECT 100MF 8X6
C2800	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2802	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C2804	1-137-894-21	s	CAP, CHIP ELECT 470MF
C2805	1-137-894-21	s	CAP, CHIP ELECT 470MF
C2806	1-137-894-21	s	CAP, CHIP ELECT 470MF
C2807	1-100-597-91	s	CAP, CHIP CERAMIC 0.1MF B 1608
C2808	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C2810	1-100-591-91	s	CAP, CHIP CERAMIC 1MF B 2012
C2811	1-100-591-91	s	CAP, CHIP CERAMIC 1MF B 2012
C2812	1-100-597-91	s	CAP, CHIP CERAMIC 0.1MF B 1608
C2813	1-116-432-11	s	CAP, AL SOLID ELECT 47MF 105
C2814	1-100-591-91	s	CAP, CHIP CERAMIC 1MF B 2012
C2815	1-107-819-81	s	CAP,CHIP CERAMIC 22000PF B1005
C2816	1-100-591-91	s	CAP, CHIP CERAMIC 1MF B 2012
C2818	1-116-432-11	s	CAP, AL SOLID ELECT 47MF 105
C2819	1-114-112-11	s	CAP, ELECT 100MF (6.3X7.7)
C2820	1-100-591-91	s	CAP, CHIP CERAMIC 1MF B 2012

(MB-1191 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C2822	1-100-591-91	s	CAP, CHIP CERAMIC 1MF B 2012
C2824	1-116-432-11	s	CAP, AL SOLID ELECT 47MF 105
C2827	1-107-819-81	s	CAP,CHIP CERAMIC 22000PF B1005
C2833	1-112-815-91	s	CAP, CERAMIC 10MF C (1608)
C2834	1-114-112-11	s	CAP, ELECT 100MF (6.3X7.7)
C2837	1-114-983-91	s	CAP, CHIP CERAMIC 2.2MF B 1608
C2838	1-114-983-91	s	CAP, CHIP CERAMIC 2.2MF B 1608
C2839	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C2840	1-114-983-91	s	CAP, CHIP CERAMIC 2.2MF B 1608
C2841	1-126-396-21	s	CAP, CHIP ELECT 47MF (6.3X5.7)
C2842	1-164-847-81	s	CAP, CHIP CERAMIC 7PF CH 1005
C2844	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2845	1-100-881-91	s	CAP, CERAMIC 47MF C (3216)
C2846	1-114-983-91	s	CAP, CHIP CERAMIC 2.2MF B 1608
C2847	1-164-937-81	s	CAP, CHIPCERAMIC 1000PF B 1005
C2850	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C2851	1-126-396-21	s	CAP, CHIP ELECT 47MF (6.3X5.7)
C2852	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2853	1-164-939-81	s	CAP, CHIPCERAMIC 2200PF B 1005
C2854	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2855	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2857	1-112-298-91	s	CAP, CERAMIC 1MF B (1608)
C2860	1-114-329-11	s	CAP, CERAMIC 0.47MF X7R 2012
C2861	1-100-905-11	s	CAP, CERAMIC1000PF X7R 1005
C2863	1-100-911-11	s	CAP, CERAMIC 4.7MF X7R (3216)
C2864	1-100-911-11	s	CAP, CERAMIC 4.7MF X7R (3216)
C2866	1-164-937-81	s	CAP, CHIPCERAMIC 1000PF B 1005
C2869	1-164-937-81	s	CAP, CHIPCERAMIC 1000PF B 1005
C2870	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2871	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2872	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2873	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2880	1-118-123-11	s	CAP, ELECT 180MF
C2885	1-164-850-81	s	CAP, CHIP CERAMIC 10PF CH 1005
C2886	1-116-432-11	s	CAP, AL SOLID ELECT 47MF 105
C2887	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C2888	1-100-911-11	s	CAP, CERAMIC 4.7MF X7R (3216)
C2889	1-116-432-11	s	CAP, AL SOLID ELECT 47MF 105
C2890	1-116-432-11	s	CAP, AL SOLID ELECT 47MF 105
C2895	1-137-894-21	s	CAP, CHIP ELECT 470MF
C3201	1-164-858-81	s	CAP, CHIP CERAMIC 22PF CH 1005
C3202	1-164-937-81	s	CAP, CHIPCERAMIC 1000PF B 1005
C3203	1-164-937-81	s	CAP, CHIPCERAMIC 1000PF B 1005
C3204	1-112-796-11	s	CAP, ELECT 47MF
C3206	1-164-858-81	s	CAP, CHIP CERAMIC 22PF CH 1005
C3207	1-164-937-81	s	CAP, CHIPCERAMIC 1000PF B 1005
C3208	1-164-937-81	s	CAP, CHIPCERAMIC 1000PF B 1005
C3209	1-112-796-11	s	CAP, ELECT 47MF
C3211	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C3212	1-164-937-81	s	CAP, CHIPCERAMIC 1000PF B 1005
C3213	1-164-937-81	s	CAP, CHIPCERAMIC 1000PF B 1005
C3216	1-164-937-81	s	CAP, CHIPCERAMIC 1000PF B 1005
C3217	1-164-850-81	s	CAP, CHIP CERAMIC 10PF CH 1005
C3218	1-164-850-81	s	CAP, CHIP CERAMIC 10PF CH 1005
CN2000	1-778-965-21	s	CONNECTOR 12P
CN2003	1-778-652-31	s	CONNECTOR, FFC (ZIF) 50P
CN2004	1-794-097-22	s	CONNECTOR, ROUND TYPE
CN2005	1-793-324-11	o	CONNECTOR, COAXIAL (BNC TYPE)
CN2006	1-785-946-21	s	CONNECTOR 3P

(MB-1191 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
CN2200	1-778-451-31	s	CONNECTOR, FFC/FPC(ZIF) AN 50P
CN2201	1-817-196-11	s	JACK, MODULAR
CN2202	1-778-965-21	s	CONNECTOR 12P
CN2203	1-779-201-21	s	CONNECTOR, BOARD TO BOARD 30P
CN2204	1-778-965-21	s	CONNECTOR 12P
CN2500	1-794-097-22	s	CONNECTOR, ROUND TYPE
CN2501	1-794-097-22	s	CONNECTOR, ROUND TYPE
CN2701	1-816-113-21	s	CONNECTOR 15P
CN2800	1-691-960-11	o	PIN, CONNECTOR (PC BOARD) 3P
CN2801	1-573-806-21	s	PIN, CONNECTOR (1.5MM) (SMD)6P
CN2802	1-691-550-21	s	PIN, CONNECTOR (1.5MM)(SMD) 3P
CN2803	1-573-768-21	s	PIN, CONNECTOR (1.5MM) (SMD)5P
CN2804	1-794-509-21	s	PIN, CONNECTOR (PC BOARD) (3P)
CN3201	1-821-399-11	s	JACK, LARGE TYPE (SHIELD) 3P
CN3202	1-821-399-11	s	JACK, LARGE TYPE (SHIELD) 3P
D2001	8-719-069-28	s	DI 1SS400FJTE61
D2002	8-719-069-28	s	DI 1SS400FJTE61
D2005	8-719-069-28	s	DI 1SS400FJTE61
D2006	8-719-069-28	s	DI 1SS400FJTE61
D2009	8-719-069-28	s	DI 1SS400FJTE61
D2010	8-719-069-28	s	DI 1SS400FJTE61
D2011	6-502-197-01	s	DI SML-D12M8WT86SM
D2200	6-500-776-01	s	DI DF3A6.8FV(TL3S
D2201	6-500-776-01	s	DI DF3A6.8FV(TL3S
D2202	6-500-776-01	s	DI DF3A6.8FV(TL3S
D2203	6-500-776-01	s	DI DF3A6.8FV(TL3S
D2204	6-500-776-01	s	DI DF3A6.8FV(TL3S
D2205	6-500-776-01	s	DI DF3A6.8FV(TL3S
D2206	6-500-776-01	s	DI DF3A6.8FV(TL3S
D2207	6-500-776-01	s	DI DF3A6.8FV(TL3S
D2402	8-719-069-28	s	DI 1SS400FJTE61
D2403	8-719-069-28	s	DI 1SS400FJTE61
D2404	8-719-069-28	s	DI 1SS400FJTE61
D2405	8-719-069-28	s	DI 1SS400FJTE61
D2406	8-719-069-28	s	DI 1SS400FJTE61
D2407	8-719-069-28	s	DI 1SS400FJTE61
D2500	8-719-069-28	s	DI 1SS400FJTE61
D2501	8-719-069-28	s	DI 1SS400FJTE61
D2502	8-719-069-28	s	DI 1SS400FJTE61
D2503	8-719-069-28	s	DI 1SS400FJTE61
D2504	8-719-069-28	s	DI 1SS400FJTE61
D2505	8-719-069-28	s	DI 1SS400FJTE61
D2506	8-719-069-28	s	DI 1SS400FJTE61
D2507	8-719-069-28	s	DI 1SS400FJTE61
D2508	8-719-069-28	s	DI 1SS400FJTE61
D2509	8-719-069-28	s	DI 1SS400FJTE61
D2510	8-719-069-28	s	DI 1SS400FJTE61
D2511	8-719-069-28	s	DI 1SS400FJTE61
D2517	8-719-069-28	s	DI 1SS400FJTE61
D2518	8-719-069-28	s	DI 1SS400FJTE61
D2602	6-501-361-01	s	DIODE RB051LA-40TR
D2603	6-501-361-01	s	DIODE RB051LA-40TR
D2604	6-501-361-01	s	DIODE RB051LA-40TR
D2700	8-719-069-28	s	DI 1SS400FJTE61
D2703	8-719-069-28	s	DI 1SS400FJTE61
D2706	8-719-069-28	s	DI 1SS400FJTE61
D2707	8-719-069-28	s	DI 1SS400FJTE61
D2708	8-719-069-28	s	DI 1SS400FJTE61
D2800	6-501-361-01	s	DIODE RB051LA-40TR

(MB-1191 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
D2801	8-719-069-28	s	DI 1SS400FJTE61
D2802	6-501-361-01	s	DIODE RB051LA-40TR
D2803	6-501-361-01	s	DIODE RB051LA-40TR
D2804	6-501-361-01	s	DIODE RB051LA-40TR
D2806	6-501-361-01	s	DIODE RB051LA-40TR
D2807	6-501-361-01	s	DIODE RB051LA-40TR
D2808	6-501-361-01	s	DIODE RB051LA-40TR
D2809	6-501-361-01	s	DIODE RB051LA-40TR
D2810	6-502-197-01	s	DI SML-D12M8WT86SM
D3201	8-719-069-28	s	DI 1SS400FJTE61
D3202	8-719-069-28	s	DI 1SS400FJTE61
D3203	8-719-069-28	s	DI 1SS400FJTE61
D3204	8-719-069-28	s	DI 1SS400FJTE61
D3205	8-719-069-28	s	DI 1SS400FJTE61
FB2000	1-469-116-21	s	FERRITE, EMI (SMD) (1608)
FB2001	1-469-116-21	s	FERRITE, EMI (SMD) (1608)
FB2200	1-469-081-21	s	INDUCTOR, FERRITE BEAD (1005)
FB2401	1-414-864-21	s	FERRITE, EMI (SMD) (1608)
FB2600	1-414-864-21	s	FERRITE, EMI (SMD) (1608)
FB2601	1-469-670-21	s	FERRITE, EMI (SMD) (2012)
FB2602	1-469-670-21	s	FERRITE, EMI (SMD) (2012)
FB2603	1-469-670-21	s	FERRITE, EMI (SMD) (2012)
FB2800	1-414-864-21	s	FERRITE, EMI (SMD) (1608)
FB2801	1-414-864-21	s	FERRITE, EMI (SMD) (1608)
FB2802	1-414-864-21	s	FERRITE, EMI (SMD) (1608)
FB2803	1-414-864-21	s	FERRITE, EMI (SMD) (1608)
FB2804	1-414-864-21	s	FERRITE, EMI (SMD) (1608)
FB2805	1-469-670-21	s	FERRITE, EMI (SMD) (2012)
FB2806	1-469-670-21	s	FERRITE, EMI (SMD) (2012)
FB2807	1-469-670-21	s	FERRITE, EMI (SMD) (2012)
FB2808	1-469-670-21	s	FERRITE, EMI (SMD) (2012)
FB3201	1-414-864-21	s	FERRITE, EMI (SMD) (1608)
IC2000	8-759-831-52	s	IC TC7WH125FK
IC2001	6-717-857-01	s	IC W25Q80BVZPIG
IC2002	6-709-646-01	s	IC TLC2933AIPWR
IC2003	6-715-699-01	s	IC CS230002-CZZR
IC2005	6-703-644-01	s	IC AD1895AYRSZRL
IC2006	6-703-644-01	s	IC AD1895AYRSZRL
IC2007	6-703-644-01	s	IC AD1895AYRSZRL
IC2008	6-703-644-01	s	IC AD1895AYRSZRL
IC2009	6-703-592-01	s	IC ADM3491
IC2013	6-702-231-01	s	IC LMH6642MFX/NOPB
IC2200	6-716-354-01	s	IC W9864G6JH-6-ER10
IC2203	8-759-592-47	s	IC TC7SZ08FU(TE85R)
IC2204	8-759-392-81	s	IC SN74LVC16245ADGGR
IC2205	6-704-643-01	s	IC R3112N221A-TR-FE
IC2206	6-707-868-01	s	IC TC74VHC138FT(EKJ)
IC2207	6-707-868-01	s	IC TC74VHC138FT(EKJ)
IC2208	6-706-013-01	s	IC AK6514CF-E2
IC2400	6-702-295-01	s	IC NJM78M12DL1A-TE1
IC2401	6-702-297-01	s	IC NJM79M12DL1A-TE1
IC2402	8-759-052-52	s	IC NJM78M05DL1A-TE1
IC2407	6-715-168-01	s	IC AK4390EF-E2
IC2500	6-708-322-01	s	IC AD797ARZ-REEL7
IC2501	6-708-322-01	s	IC AD797ARZ-REEL7
IC2502	8-759-394-74	s	IC NJM4580E-D-TE2
IC2503	8-759-394-74	s	IC NJM4580E-D-TE2
IC2504	8-759-669-73	s	IC TL082CPWR

(MB-1191 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
IC2505	8-759-669-73	s	IC TL082CPWR
IC2605	6-702-302-01	s	IC TK11133CSCL-G
IC2606	6-712-893-01	s	IC CS4392-KZZ
IC2607	6-715-077-01	s	IC LT3580EMS8E#TR
IC2608	6-715-077-01	s	IC LT3580EMS8E#TR
IC2609	6-714-545-01	s	IC BD9006F-E2
IC2700	6-701-652-01	s	IC MAX4374TEUB+TG069
IC2701	6-701-652-01	s	IC MAX4374TEUB+TG069
IC2702	8-759-394-74	s	IC NJM4580E-D-TE2
IC2703	8-759-394-74	s	IC NJM4580E-D-TE2
IC2800	8-759-681-48	s	IC NJM317DL1
IC2801	8-759-183-53	s	IC TL431CPK-E2
IC2802	8-759-338-95	s	IC NJM2903V(TE2)
IC2803	6-714-545-01	s	IC BD9006F-E2
IC2804	6-715-077-01	s	IC LT3580EMS8E#TR
IC2806	6-714-545-01	s	IC BD9006F-E2
IC2807	6-715-077-01	s	IC LT3580EMS8E#TR
IC2808	6-708-254-01	s	IC BA00CC0WFP
IC2809	6-706-487-01	s	IC TC7SH08FU
IC2810	6-704-512-01	s	IC TPS62050DGSR
IC2811	6-708-464-01	o	IC R1114Q251D-TR-FE
IC2812	6-703-317-01	s	IC R1160N121B-TR-FE
IC2813	6-701-652-01	s	IC MAX4374TEUB+TG069
IC2814	6-710-786-01	s	IC TC7SH125FU
IC2816	6-706-487-01	s	IC TC7SH08FU
IC2817	6-708-254-01	s	IC BA00CC0WFP
IC2818	6-704-566-01	s	IC R3112N291A-TR-FE
IC2819	8-759-338-95	s	IC NJM2903V(TE2)
IC2820	6-712-232-01	s	IC LT3481EDD#TR
IC2825	6-704-566-01	s	IC R3112N291A-TR-FE
IC2829	6-710-786-01	s	IC TC7SH125FU
IC3201	8-759-394-74	s	IC NJM4580E-D-TE2
IC3202	6-714-595-01	s	IC ADG1408YCPZ-REEL7
IC3203	6-714-595-01	s	IC ADG1408YCPZ-REEL7
IC3204	6-711-438-01	s	IC TC74VHC595FK(EL,K)
L2000	1-412-028-22	s	CHIP INDUCTOR 4.7UH
L2600	1-416-865-21	s	COIL, CHOKE (SMD) 33UH
L2601	1-416-758-21	s	COIL, CHOKE (SMD) 22UH
L2602	1-416-758-21	s	COIL, CHOKE (SMD) 22UH
L2603	1-416-865-21	s	COIL, CHOKE (SMD) 33UH
L2800	1-416-865-21	s	COIL, CHOKE (SMD) 33UH
L2801	1-416-758-21	s	COIL, CHOKE (SMD) 22UH
L2802	1-416-865-21	s	COIL, CHOKE (SMD) 33UH
L2804	1-457-717-11	s	CHOKE COIL 10UH
L2806	1-419-823-21	s	COIL, CHOKE 33UH
L2807	1-416-758-21	s	COIL, CHOKE (SMD) 22UH
Q2000	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q2001	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q2200	8-729-928-55	s	TRANSISTOR DTA123JE-TL
Q2201	8-729-928-55	s	TRANSISTOR DTA123JE-TL
Q2500	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q2501	8-729-928-28	s	TRANSISTOR DTA144EE-TL
Q2502	8-729-928-28	s	TRANSISTOR DTA144EE-TL
Q2508	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q2509	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q2510	8-729-928-28	s	TRANSISTOR DTA144EE-TL
Q2511	8-729-928-28	s	TRANSISTOR DTA144EE-TL
Q2512	8-729-928-28	s	TRANSISTOR DTA144EE-TL

(MB-1191 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
Q2513	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q2514	8-729-928-28	s	TRANSISTOR DTA144EE-TL
Q2515	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q2700	6-550-632-01	s	TRANSISTOR 2SC4672-T100-Q
Q2701	6-550-631-01	s	TRANSISTOR 2SA1797-T100-Q
Q2702	6-550-632-01	s	TRANSISTOR 2SC4672-T100-Q
Q2703	6-550-631-01	s	TRANSISTOR 2SA1797-T100-Q
Q2704	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q2705	8-729-928-28	s	TRANSISTOR DTA144EE-TL
Q2800	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q2802	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q2803	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q2804	6-552-494-01	s	TR SI2307CDS-T1-GE3
Q2805	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q2807	6-550-750-01	s	TRANSISTOR SSM3K15FS-TE85L
Q2809	6-550-750-01	s	TRANSISTOR SSM3K15FS-TE85L
Q2810	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q2811	6-550-750-01	s	TRANSISTOR SSM3K15FS-TE85L
Q2812	6-550-750-01	s	TRANSISTOR SSM3K15FS-TE85L
Q2813	6-550-750-01	s	TRANSISTOR SSM3K15FS-TE85L
Q2814	8-729-928-82	s	TRANSISTOR DTC144EE-TL
Q2815	6-552-545-01	s	TR SI4425DDY-T1-GE3
Q2816	6-552-545-01	s	TR SI4425DDY-T1-GE3
Q3205	8-729-928-28	s	TRANSISTOR DTA144EE-TL
R2000	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2001	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2006	1-208-855-81	s	RES, CHIP 47 (1005)
R2007	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2008	1-218-827-91	s	RES, CHIP 150 (1608)
R2009	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2010	1-218-827-91	s	RES, CHIP 150 (1608)
R2011	1-208-863-81	s	RES, CHIP 100 (1005)
R2012	1-208-863-81	s	RES, CHIP 100 (1005)
R2013	1-208-863-81	s	RES, CHIP 100 (1005)
R2014	1-220-870-81	s	RES, CHIP 10 (1005)
R2015	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2016	1-208-935-81	s	RES, CHIP 100K (1005)
R2017	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2019	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2020	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2021	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2022	1-208-935-81	s	RES, CHIP 100K (1005)
R2024	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2025	1-208-935-81	s	RES, CHIP 100K (1005)
R2026	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2027	1-208-935-81	s	RES, CHIP 100K (1005)
R2028	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2030	1-208-935-81	s	RES, CHIP 100K (1005)
R2031	1-208-935-81	s	RES, CHIP 100K (1005)
R2032	1-208-899-81	s	RES, CHIP 3.3K (1005)
R2033	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2034	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2035	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2036	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2037	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2038	1-218-970-11	s	RES, CHIP 27K (1005)
R2039	1-208-879-81	s	RES, CHIP 470 (1005)
R2041	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2043	1-208-903-81	s	RES, CHIP 4.7K (1005)

(MB-1191 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R2044	1-220-878-81	s	RES, CHIP 22 (1005)
R2046	1-220-878-81	s	RES, CHIP 22 (1005)
R2047	1-220-878-81	s	RES, CHIP 22 (1005)
R2048	1-220-878-81	s	RES, CHIP 22 (1005)
R2049	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2050	1-208-863-81	s	RES, CHIP 100 (1005)
R2051	1-208-863-81	s	RES, CHIP 100 (1005)
R2052	1-208-935-81	s	RES, CHIP 100K (1005)
R2053	1-208-935-81	s	RES, CHIP 100K (1005)
R2054	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2055	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2056	1-208-671-11	s	RES, CHIP 330 (1005)
R2057	1-208-863-81	s	RES, CHIP 100 (1005)
R2058	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2059	1-220-878-81	s	RES, CHIP 22 (1005)
R2062	1-220-878-81	s	RES, CHIP 22 (1005)
R2063	1-220-878-81	s	RES, CHIP 22 (1005)
R2064	1-220-878-81	s	RES, CHIP 22 (1005)
R2065	1-220-878-81	s	RES, CHIP 22 (1005)
R2066	1-220-878-81	s	RES, CHIP 22 (1005)
R2067	1-220-878-81	s	RES, CHIP 22 (1005)
R2068	1-220-878-81	s	RES, CHIP 22 (1005)
R2069	1-220-878-81	s	RES, CHIP 22 (1005)
R2070	1-220-878-81	s	RES, CHIP 22 (1005)
R2071	1-208-863-81	s	RES, CHIP 100 (1005)
R2072	1-208-863-81	s	RES, CHIP 100 (1005)
R2073	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2074	1-208-935-81	s	RES, CHIP 100K (1005)
R2075	1-208-935-81	s	RES, CHIP 100K (1005)
R2076	1-220-878-81	s	RES, CHIP 22 (1005)
R2077	1-220-878-81	s	RES, CHIP 22 (1005)
R2078	1-220-878-81	s	RES, CHIP 22 (1005)
R2079	1-220-878-81	s	RES, CHIP 22 (1005)
R2080	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2081	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2082	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2083	1-220-878-81	s	RES, CHIP 22 (1005)
R2084	1-208-863-81	s	RES, CHIP 100 (1005)
R2085	1-220-878-81	s	RES, CHIP 22 (1005)
R2086	1-220-878-81	s	RES, CHIP 22 (1005)
R2087	1-220-878-81	s	RES, CHIP 22 (1005)
R2090	1-220-878-81	s	RES, CHIP 22 (1005)
R2091	1-220-878-81	s	RES, CHIP 22 (1005)
R2092	1-220-878-81	s	RES, CHIP 22 (1005)
R2093	1-220-878-81	s	RES, CHIP 22 (1005)
R2095	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2096	1-220-878-81	s	RES, CHIP 22 (1005)
R2097	1-220-878-81	s	RES, CHIP 22 (1005)
R2098	1-220-878-81	s	RES, CHIP 22 (1005)
R2099	1-220-878-81	s	RES, CHIP 22 (1005)
R2100	1-220-878-81	s	RES, CHIP 22 (1005)
R2101	1-220-878-81	s	RES, CHIP 22 (1005)
R2102	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2103	1-220-878-81	s	RES, CHIP 22 (1005)
R2104	1-220-878-81	s	RES, CHIP 22 (1005)
R2105	1-220-878-81	s	RES, CHIP 22 (1005)
R2106	1-208-887-81	s	RES, CHIP 1.0K (1005)
R2107	1-208-887-81	s	RES, CHIP 1.0K (1005)
R2111	1-208-871-81	s	RES, CHIP 220 (1005)

(MB-1191 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R2112	1-208-887-81	s	RES, CHIP 1.0K (1005)
R2114	1-208-871-81	s	RES, CHIP 220 (1005)
R2142	1-208-911-81	s	RES, CHIP 10K (1005)
R2145	1-208-860-81	s	RES, CHIP 75 (1005)
R2146	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2147	1-208-935-81	s	RES, CHIP 100K (1005)
R2148	1-208-935-81	s	RES, CHIP 100K (1005)
R2149	1-208-863-81	s	RES, CHIP 100 (1005)
R2150	1-208-887-81	s	RES, CHIP 1.0K (1005)
R2152	1-208-935-81	s	RES, CHIP 100K (1005)
R2153	1-208-935-81	s	RES, CHIP 100K (1005)
R2154	1-208-887-81	s	RES, CHIP 1.0K (1005)
R2200	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2201	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2202	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2203	1-208-935-81	s	RES, CHIP 100K (1005)
R2204	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2206	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2207	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2208	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2209	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2210	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2211	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2212	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2213	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2214	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2215	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2216	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2217	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2218	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2219	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2220	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2221	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2222	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2223	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2224	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2225	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2226	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2227	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2228	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2229	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2230	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2231	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2232	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2233	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R2234	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2235	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2236	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2237	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2238	1-208-895-81	s	RES, CHIP 2.2K (1005)
R2239	1-208-895-81	s	RES, CHIP 2.2K (1005)
R2241	1-208-895-81	s	RES, CHIP 2.2K (1005)
R2242	1-208-895-81	s	RES, CHIP 2.2K (1005)
R2244	1-208-895-81	s	RES, CHIP 2.2K (1005)
R2245	1-208-895-81	s	RES, CHIP 2.2K (1005)
R2246	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2247	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2248	1-208-895-81	s	RES, CHIP 2.2K (1005)
R2249	1-208-895-81	s	RES, CHIP 2.2K (1005)

(MB-1191 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R2250	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2251	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2252	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2253	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2254	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2255	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2257	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2258	1-245-567-81	s	RES, CHIP 49.9 (1005)
R2259	1-245-567-81	s	RES, CHIP 49.9 (1005)
R2261	1-208-855-81	s	RES, CHIP 47 (1005)
R2262	1-208-855-81	s	RES, CHIP 47 (1005)
R2265	1-208-935-81	s	RES, CHIP 100K (1005)
R2266	1-208-855-81	s	RES, CHIP 47 (1005)
R2267	1-208-855-81	s	RES, CHIP 47 (1005)
R2268	1-208-855-81	s	RES, CHIP 47 (1005)
R2269	1-208-855-81	s	RES, CHIP 47 (1005)
R2270	1-208-855-81	s	RES, CHIP 47 (1005)
R2271	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2273	1-208-855-81	s	RES, CHIP 47 (1005)
R2275	1-208-855-81	s	RES, CHIP 47 (1005)
R2276	1-208-855-81	s	RES, CHIP 47 (1005)
R2277	1-208-855-81	s	RES, CHIP 47 (1005)
R2278	1-208-855-81	s	RES, CHIP 47 (1005)
R2279	1-208-855-81	s	RES, CHIP 47 (1005)
R2280	1-208-855-81	s	RES, CHIP 47 (1005)
R2281	1-208-855-81	s	RES, CHIP 47 (1005)
R2282	1-208-855-81	s	RES, CHIP 47 (1005)
R2283	1-208-855-81	s	RES, CHIP 47 (1005)
R2284	1-208-855-81	s	RES, CHIP 47 (1005)
R2285	1-208-855-81	s	RES, CHIP 47 (1005)
R2286	1-208-911-81	s	RES, CHIP 10K (1005)
R2287	1-208-855-81	s	RES, CHIP 47 (1005)
R2288	1-208-863-81	s	RES, CHIP 100 (1005)
R2290	1-208-855-81	s	RES, CHIP 47 (1005)
R2291	1-208-855-81	s	RES, CHIP 47 (1005)
R2292	1-208-897-81	s	RES, CHIP 2.7K (1005)
R2293	1-208-855-81	s	RES, CHIP 47 (1005)
R2294	1-208-855-81	s	RES, CHIP 47 (1005)
R2295	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2296	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2297	1-208-855-81	s	RES, CHIP 47 (1005)
R2298	1-208-911-81	s	RES, CHIP 10K (1005)
R2299	1-208-855-81	s	RES, CHIP 47 (1005)
R2300	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2301	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2302	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2303	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2304	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2305	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2306	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2310	1-208-855-81	s	RES, CHIP 47 (1005)
R2311	1-208-855-81	s	RES, CHIP 47 (1005)
R2312	1-208-855-81	s	RES, CHIP 47 (1005)
R2313	1-208-855-81	s	RES, CHIP 47 (1005)
R2314	1-208-855-81	s	RES, CHIP 47 (1005)
R2315	1-208-855-81	s	RES, CHIP 47 (1005)
R2316	1-208-860-81	s	RES, CHIP 75 (1005)
R2317	1-208-860-81	s	RES, CHIP 75 (1005)
R2318	1-208-903-81	s	RES, CHIP 4.7K (1005)

(MB-1191 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R2320	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2321	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2322	1-208-881-81	s	RES, CHIP 560 (1005)
R2323	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2324	1-208-935-81	s	RES, CHIP 100K (1005)
R2325	1-208-881-81	s	RES, CHIP 560 (1005)
R2326	1-208-935-81	s	RES, CHIP 100K (1005)
R2327	1-208-895-81	s	RES, CHIP 2.2K (1005)
R2328	1-208-895-81	s	RES, CHIP 2.2K (1005)
R2329	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R2332	1-208-855-81	s	RES, CHIP 47 (1005)
R2333	1-208-855-81	s	RES, CHIP 47 (1005)
R2334	1-208-855-81	s	RES, CHIP 47 (1005)
R2335	1-208-855-81	s	RES, CHIP 47 (1005)
R2336	1-208-855-81	s	RES, CHIP 47 (1005)
R2337	1-208-855-81	s	RES, CHIP 47 (1005)
R2338	1-208-855-81	s	RES, CHIP 47 (1005)
R2339	1-208-855-81	s	RES, CHIP 47 (1005)
R2340	1-208-855-81	s	RES, CHIP 47 (1005)
R2341	1-208-855-81	s	RES, CHIP 47 (1005)
R2342	1-208-855-81	s	RES, CHIP 47 (1005)
R2343	1-208-855-81	s	RES, CHIP 47 (1005)
R2344	1-208-855-81	s	RES, CHIP 47 (1005)
R2345	1-208-855-81	s	RES, CHIP 47 (1005)
R2346	1-208-855-81	s	RES, CHIP 47 (1005)
R2347	1-208-855-81	s	RES, CHIP 47 (1005)
R2348	1-208-911-81	s	RES, CHIP 10K (1005)
R2349	1-208-715-11	s	RES, CHIP 22K (1005)
R2350	1-208-905-81	s	RES, CHIP 5.6K (1005)
R2351	1-208-855-81	s	RES, CHIP 47 (1005)
R2352	1-220-878-81	s	RES, CHIP 22 (1005)
R2353	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2354	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2355	1-208-863-81	s	RES, CHIP 100 (1005)
R2356	1-208-863-81	s	RES, CHIP 100 (1005)
R2408	1-211-737-91	s	RES,SQUARE TYPE CHIP 0.47 3225
R2409	1-211-737-91	s	RES,SQUARE TYPE CHIP 0.47 3225
R2414	1-208-935-81	s	RES, CHIP 100K (1005)
R2415	1-208-935-81	s	RES, CHIP 100K (1005)
R2416	1-208-935-81	s	RES, CHIP 100K (1005)
R2417	1-208-935-81	s	RES, CHIP 100K (1005)
R2418	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2419	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2420	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R2421	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R2422	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R2500	1-245-814-11	s	RES, METAL FILM(SMD)1.8K(1608)
R2501	1-245-814-11	s	RES, METAL FILM(SMD)1.8K(1608)
R2502	1-245-844-11	s	RES, METAL FILM(SMD)4.7K(1608)
R2503	1-245-814-11	s	RES, METAL FILM(SMD)1.8K(1608)
R2504	1-245-814-11	s	RES, METAL FILM(SMD)1.8K(1608)
R2505	1-245-844-11	s	RES, METAL FILM(SMD)4.7K(1608)
R2506	1-245-816-11	s	RES, METAL FILM(SMD)2.2K(1608)
R2507	1-245-816-11	s	RES, METAL FILM(SMD)2.2K(1608)
R2508	1-245-816-11	s	RES, METAL FILM(SMD)2.2K(1608)
R2509	1-245-816-11	s	RES, METAL FILM(SMD)2.2K(1608)
R2510	1-245-844-11	s	RES, METAL FILM(SMD)4.7K(1608)
R2511	1-245-844-11	s	RES, METAL FILM(SMD)4.7K(1608)
R2512	1-245-764-11	s	RES, METAL FILM(SMD) 100(1608)

(MB-1191 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R2513	1-245-764-11	s	RES, METAL FILM(SMD) 100(1608)
R2514	1-245-852-11	s	RES, METAL FILM(SMD) 10K(1608)
R2515	1-245-852-11	s	RES, METAL FILM(SMD) 10K(1608)
R2516	1-245-852-11	s	RES, METAL FILM(SMD) 10K(1608)
R2517	1-245-852-11	s	RES, METAL FILM(SMD) 10K(1608)
R2518	1-245-858-11	s	RES, METAL FILM(SMD) 18K(1608)
R2519	1-245-852-11	s	RES, METAL FILM(SMD) 10K(1608)
R2520	1-245-858-11	s	RES, METAL FILM(SMD) 18K(1608)
R2521	1-245-852-11	s	RES, METAL FILM(SMD) 10K(1608)
R2522	1-245-852-11	s	RES, METAL FILM(SMD) 10K(1608)
R2523	1-245-852-11	s	RES, METAL FILM(SMD) 10K(1608)
R2524	1-245-858-11	s	RES, METAL FILM(SMD) 18K(1608)
R2525	1-245-858-11	s	RES, METAL FILM(SMD) 18K(1608)
R2526	1-245-896-11	s	RES, METAL FILM(SMD)100K(1608)
R2527	1-245-896-11	s	RES, METAL FILM(SMD)100K(1608)
R2528	1-245-882-11	s	RES, METAL FILM(SMD) 27K(1608)
R2529	1-245-858-11	s	RES, METAL FILM(SMD) 18K(1608)
R2530	1-245-858-11	s	RES, METAL FILM(SMD) 18K(1608)
R2531	1-245-858-11	s	RES, METAL FILM(SMD) 18K(1608)
R2532	1-245-882-11	s	RES, METAL FILM(SMD) 27K(1608)
R2533	1-245-858-11	s	RES, METAL FILM(SMD) 18K(1608)
R2534	1-245-908-11	s	RES, METAL FILM(SMD)330K(1608)
R2535	1-245-908-11	s	RES, METAL FILM(SMD)330K(1608)
R2536	1-245-908-11	s	RES, METAL FILM(SMD)330K(1608)
R2537	1-245-908-11	s	RES, METAL FILM(SMD)330K(1608)
R2538	1-245-908-11	s	RES, METAL FILM(SMD)330K(1608)
R2539	1-245-908-11	s	RES, METAL FILM(SMD)330K(1608)
R2540	1-245-908-11	s	RES, METAL FILM(SMD)330K(1608)
R2541	1-245-908-11	s	RES, METAL FILM(SMD)330K(1608)
R2542	1-245-904-11	s	RES, METAL FILM(SMD)220K(1608)
R2543	1-245-882-11	s	RES, METAL FILM(SMD) 27K(1608)
R2544	1-245-728-11	s	RES, METAL FILM(SMD) 22 (1608)
R2545	1-245-904-11	s	RES, METAL FILM(SMD)220K(1608)
R2546	1-245-882-11	s	RES, METAL FILM(SMD) 27K(1608)
R2547	1-245-728-11	s	RES, METAL FILM(SMD) 22 (1608)
R2548	1-245-728-11	s	RES, METAL FILM(SMD) 22 (1608)
R2549	1-245-728-11	s	RES, METAL FILM(SMD) 22 (1608)
R2550	1-245-772-11	s	RES, METAL FILM(SMD) 220(1608)
R2551	1-245-772-11	s	RES, METAL FILM(SMD) 220(1608)
R2552	1-245-772-11	s	RES, METAL FILM(SMD) 220(1608)
R2554	1-245-772-11	s	RES, METAL FILM(SMD) 220(1608)
R2555	1-245-812-11	s	RES, METAL FILM(SMD)1.5K(1608)
R2556	1-245-812-11	s	RES, METAL FILM(SMD)1.5K(1608)
R2561	1-245-844-11	s	RES, METAL FILM(SMD)4.7K(1608)
R2562	1-245-844-11	s	RES, METAL FILM(SMD)4.7K(1608)
R2563	1-245-844-11	s	RES, METAL FILM(SMD)4.7K(1608)
R2564	1-245-844-11	s	RES, METAL FILM(SMD)4.7K(1608)
R2567	1-245-736-11	s	RES, METAL FILM(SMD) 47 (1608)
R2568	1-245-736-11	s	RES, METAL FILM(SMD) 47 (1608)
R2569	1-245-896-11	s	RES, METAL FILM(SMD)100K(1608)
R2570	1-245-896-11	s	RES, METAL FILM(SMD)100K(1608)
R2571	1-245-896-11	s	RES, METAL FILM(SMD)100K(1608)
R2572	1-245-896-11	s	RES, METAL FILM(SMD)100K(1608)
R2573	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2574	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2575	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2576	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2578	1-245-772-11	s	RES, METAL FILM(SMD) 220(1608)
R2581	1-245-772-11	s	RES, METAL FILM(SMD) 220(1608)

(MB-1191 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R2590	1-245-904-11	s	RES, METAL FILM(SMD)220K(1608)
R2591	1-245-904-11	s	RES, METAL FILM(SMD)220K(1608)
R2592	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R2593	1-245-852-11	s	RES, METAL FILM(SMD) 10K(1608)
R2594	1-245-852-11	s	RES, METAL FILM(SMD) 10K(1608)
R2595	1-245-852-11	s	RES, METAL FILM(SMD) 10K(1608)
R2596	1-245-852-11	s	RES, METAL FILM(SMD) 10K(1608)
R2601	1-218-985-11	s	RES, CHIP 470K (1005)
R2602	1-208-935-81	s	RES, CHIP 100K (1005)
R2603	1-208-947-81	s	RES, CHIP 330K (1005)
R2604	1-208-935-81	s	RES, CHIP 100K (1005)
R2605	1-208-915-81	s	RES, CHIP 15K (1005)
R2606	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2607	1-208-939-81	s	RES, CHIP 150K (1005)
R2608	1-208-915-81	s	RES, CHIP 15K (1005)
R2609	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R2612	1-208-935-81	s	RES, CHIP 100K (1005)
R2613	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R2614	1-208-935-81	s	RES, CHIP 100K (1005)
R2615	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2617	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R2618	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2619	1-208-923-81	s	RES, CHIP 33K (1005)
R2620	1-208-935-81	s	RES, CHIP 100K (1005)
R2621	1-208-923-81	s	RES, CHIP 33K (1005)
R2622	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2623	1-208-927-81	s	RES, CHIP 47K (1005)
R2624	1-208-905-81	s	RES, CHIP 5.6K (1005)
R2625	1-208-911-81	s	RES, CHIP 10K (1005)
R2627	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R2634	1-208-939-81	s	RES, CHIP 150K (1005)
R2635	1-208-923-81	s	RES, CHIP 33K (1005)
R2636	1-208-715-11	s	RES, CHIP 22K (1005)
R2637	1-208-935-81	s	RES, CHIP 100K (1005)
R2638	1-208-935-81	s	RES, CHIP 100K (1005)
R2639	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2641	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R2645	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2700	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R2701	1-208-935-81	s	RES, CHIP 100K (1005)
R2702	1-208-935-81	s	RES, CHIP 100K (1005)
R2703	1-211-737-91	s	RES,SQUARE TYPE CHIP 0.47 3225
R2704	1-211-737-91	s	RES,SQUARE TYPE CHIP 0.47 3225
R2705	1-208-935-81	s	RES, CHIP 100K (1005)
R2706	1-208-911-81	s	RES, CHIP 10K (1005)
R2707	1-208-935-81	s	RES, CHIP 100K (1005)
R2708	1-208-935-81	s	RES, CHIP 100K (1005)
R2709	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R2710	1-245-852-11	s	RES, METAL FILM(SMD) 10K(1608)
R2711	1-245-852-11	s	RES, METAL FILM(SMD) 10K(1608)
R2712	1-208-935-81	s	RES, CHIP 100K (1005)
R2713	1-245-852-11	s	RES, METAL FILM(SMD) 10K(1608)
R2714	1-245-852-11	s	RES, METAL FILM(SMD) 10K(1608)
R2715	1-245-884-11	s	RES, METAL FILM(SMD) 33K(1608)
R2716	1-245-808-11	s	RES, METAL FILM(SMD) 1K (1608)
R2717	1-245-808-11	s	RES, METAL FILM(SMD) 1K (1608)
R2718	1-245-884-11	s	RES, METAL FILM(SMD) 33K(1608)
R2719	1-245-808-11	s	RES, METAL FILM(SMD) 1K (1608)
R2720	1-245-808-11	s	RES, METAL FILM(SMD) 1K (1608)

(MB-1191 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R2721	1-245-884-11	s	RES, METAL FILM(SMD) 33K(1608)
R2722	1-245-884-11	s	RES, METAL FILM(SMD) 33K(1608)
R2723	1-208-935-81	s	RES, CHIP 100K (1005)
R2724	1-208-911-81	s	RES, CHIP 10K (1005)
R2725	1-208-935-81	s	RES, CHIP 100K (1005)
R2726	1-208-935-81	s	RES, CHIP 100K (1005)
R2727	1-245-764-11	s	RES, METAL FILM(SMD) 100(1608)
R2728	1-245-764-11	s	RES, METAL FILM(SMD) 100(1608)
R2729	1-245-888-11	s	RES, METAL FILM(SMD) 47K(1608)
R2730	1-245-888-11	s	RES, METAL FILM(SMD) 47K(1608)
R2731	1-245-858-11	s	RES, METAL FILM(SMD) 18K(1608)
R2732	1-245-858-11	s	RES, METAL FILM(SMD) 18K(1608)
R2733	1-245-814-11	s	RES, METAL FILM(SMD)1.8K(1608)
R2734	1-245-814-11	s	RES, METAL FILM(SMD)1.8K(1608)
R2735	1-245-844-11	s	RES, METAL FILM(SMD)4.7K(1608)
R2736	1-245-844-11	s	RES, METAL FILM(SMD)4.7K(1608)
R2737	1-245-844-11	s	RES, METAL FILM(SMD)4.7K(1608)
R2738	1-245-844-11	s	RES, METAL FILM(SMD)4.7K(1608)
R2739	1-218-232-91	s	RES,SQUARE TYPE CHIP 4.7(4532)
R2740	1-218-232-91	s	RES,SQUARE TYPE CHIP 4.7(4532)
R2741	1-218-232-91	s	RES,SQUARE TYPE CHIP 4.7(4532)
R2742	1-218-232-91	s	RES,SQUARE TYPE CHIP 4.7(4532)
R2747	1-245-772-11	s	RES, METAL FILM(SMD) 220(1608)
R2759	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2764	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R2767	1-218-985-11	s	RES, CHIP 470K (1005)
R2800	1-208-871-81	s	RES, CHIP 220 (1005)
R2801	1-220-878-81	s	RES, CHIP 22 (1005)
R2802	1-208-867-81	s	RES, CHIP 150 (1005)
R2803	1-208-887-81	s	RES, CHIP 1.0K (1005)
R2804	1-208-905-81	s	RES, CHIP 5.6K (1005)
R2805	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2806	1-208-895-81	s	RES, CHIP 2.2K (1005)
R2807	1-208-879-81	s	RES, CHIP 470 (1005)
R2809	1-218-818-91	s	RES,SQUARE TYPE CHIP 220(4532)
R2810	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2811	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2812	1-208-935-81	s	RES, CHIP 100K (1005)
R2813	1-208-715-11	s	RES, CHIP 22K (1005)
R2814	1-208-915-81	s	RES, CHIP 15K (1005)
R2815	1-208-887-81	s	RES, CHIP 1.0K (1005)
R2816	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2817	1-208-927-81	s	RES, CHIP 47K (1005)
R2818	1-208-927-81	s	RES, CHIP 47K (1005)
R2819	1-208-715-11	s	RES, CHIP 22K (1005)
R2821	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2824	1-208-935-81	s	RES, CHIP 100K (1005)
R2825	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2826	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2827	1-208-911-81	s	RES, CHIP 10K (1005)
R2828	1-208-923-81	s	RES, CHIP 33K (1005)
R2829	1-208-935-81	s	RES, CHIP 100K (1005)
R2830	1-208-935-81	s	RES, CHIP 100K (1005)
R2832	1-208-923-81	s	RES, CHIP 33K (1005)
R2836	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2837	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2838	1-208-927-81	s	RES, CHIP 47K (1005)
R2839	1-208-915-81	s	RES, CHIP 15K (1005)
R2845	1-208-923-81	s	RES, CHIP 33K (1005)

(MB-1191 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R2847	1-208-935-81	s	RES, CHIP 100K (1005)
R2849	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R2850	1-208-935-81	s	RES, CHIP 100K (1005)
R2851	1-208-899-81	s	RES, CHIP 3.3K (1005)
R2853	1-208-923-81	s	RES, CHIP 33K (1005)
R2854	1-208-923-81	s	RES, CHIP 33K (1005)
R2855	1-208-911-81	s	RES, CHIP 10K (1005)
R2858	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R2859	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R2860	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R2861	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R2862	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2863	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2864	1-208-927-81	s	RES, CHIP 47K (1005)
R2865	1-208-915-81	s	RES, CHIP 15K (1005)
R2866	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R2868	1-208-911-81	s	RES, CHIP 10K (1005)
R2869	1-208-715-11	s	RES, CHIP 22K (1005)
R2870	1-208-935-81	s	RES, CHIP 100K (1005)
R2872	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2873	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2874	1-208-935-81	s	RES, CHIP 100K (1005)
R2875	1-208-935-81	s	RES, CHIP 100K (1005)
R2877	1-208-935-81	s	RES, CHIP 100K (1005)
R2879	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2880	1-218-970-11	s	RES, CHIP 27K (1005)
R2881	1-208-881-81	s	RES, CHIP 560 (1005)
R2882	1-208-911-81	s	RES, CHIP 10K (1005)
R2883	1-208-881-81	s	RES, CHIP 560 (1005)
R2884	1-208-931-81	s	RES, CHIP 68K (1005)
R2885	1-208-935-81	s	RES, CHIP 100K (1005)
R2886	1-208-935-81	s	RES, CHIP 100K (1005)
R2887	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R2888	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2889	1-208-947-81	s	RES, CHIP 330K (1005)
R2890	1-208-935-81	s	RES, CHIP 100K (1005)
R2891	1-208-715-11	s	RES, CHIP 22K (1005)
R2892	1-208-887-81	s	RES, CHIP 1.0K (1005)
R2893	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2894	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R2895	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R2896	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R2897	1-211-737-91	s	RES,SQUARE TYPE CHIP 0.47 3225
R2898	1-208-935-81	s	RES, CHIP 100K (1005)
R2899	1-208-923-81	s	RES, CHIP 33K (1005)
R2900	1-208-947-81	s	RES, CHIP 330K (1005)
R2901	1-208-935-81	s	RES, CHIP 100K (1005)
R2902	1-208-935-81	s	RES, CHIP 100K (1005)
R2903	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R2904	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R2905	1-208-931-81	s	RES, CHIP 68K (1005)
R2906	1-208-911-81	s	RES, CHIP 10K (1005)
R2907	1-208-881-81	s	RES, CHIP 560 (1005)
R2908	1-208-935-81	s	RES, CHIP 100K (1005)
R2909	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2911	1-208-935-81	s	RES, CHIP 100K (1005)
R2912	1-208-915-81	s	RES, CHIP 15K (1005)
R2913	1-208-715-11	s	RES, CHIP 22K (1005)
R2914	1-208-903-81	s	RES, CHIP 4.7K (1005)

(MB-1191 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R2915	1-208-927-81	s	RES, CHIP 47K (1005)
R2916	1-208-927-81	s	RES, CHIP 47K (1005)
R2917	1-208-715-11	s	RES, CHIP 22K (1005)
R2918	1-208-903-81	s	RES, CHIP 4.7K (1005)
R2919	1-208-715-11	s	RES, CHIP 22K (1005)
R2920	1-218-985-11	s	RES, CHIP 470K (1005)
R2921	1-208-933-81	s	RES, CHIP 82K (1005)
R2922	1-208-893-81	s	RES, CHIP 1.8K (1005)
R2923	1-208-943-81	s	RES, CHIP 220K (1005)
R2924	1-208-911-81	s	RES, CHIP 10K (1005)
R2925	1-208-935-81	s	RES, CHIP 100K (1005)
R2926	1-208-911-81	s	RES, CHIP 10K (1005)
R2927	1-208-915-81	s	RES, CHIP 15K (1005)
R2928	1-208-947-81	s	RES, CHIP 330K (1005)
R2929	1-208-935-81	s	RES, CHIP 100K (1005)
R2930	1-208-915-81	s	RES, CHIP 15K (1005)
R2931	1-208-947-81	s	RES, CHIP 330K (1005)
R2932	1-208-935-81	s	RES, CHIP 100K (1005)
R2933	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R2934	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R2937	1-208-927-81	s	RES, CHIP 47K (1005)
R2938	1-208-935-81	s	RES, CHIP 100K (1005)
R2939	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R2944	1-208-871-81	s	RES, CHIP 220 (1005)
R2945	1-208-923-81	s	RES, CHIP 33K (1005)
R2946	1-208-927-81	s	RES, CHIP 47K (1005)
R2947	1-208-935-81	s	RES, CHIP 100K (1005)
R2948	1-208-935-81	s	RES, CHIP 100K (1005)
R2950	1-208-935-81	s	RES, CHIP 100K (1005)
R2951	1-208-935-81	s	RES, CHIP 100K (1005)
R2952	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R2953	1-218-985-11	s	RES, CHIP 470K (1005)
R2954	1-208-935-81	s	RES, CHIP 100K (1005)
R2955	1-208-927-81	s	RES, CHIP 47K (1005)
R3201	1-245-844-11	s	RES, METAL FILM(SMD)4.7K(1608)
R3202	1-245-736-11	s	RES, METAL FILM(SMD) 47 (1608)
R3203	1-245-888-11	s	RES, METAL FILM(SMD) 47K(1608)
R3204	1-245-774-11	s	RES, METAL FILM(SMD) 270(1608)
R3205	1-245-774-11	s	RES, METAL FILM(SMD) 270(1608)
R3206	1-245-808-11	s	RES, METAL FILM(SMD) 1K (1608)
R3207	1-245-808-11	s	RES, METAL FILM(SMD) 1K (1608)
R3208	1-245-808-11	s	RES, METAL FILM(SMD) 1K (1608)
R3209	1-245-818-11	s	RES, METAL FILM(SMD)2.7K(1608)
R3210	1-245-844-11	s	RES, METAL FILM(SMD)4.7K(1608)
R3211	1-245-856-11	s	RES, METAL FILM(SMD) 15K(1608)
R3212	1-245-768-11	s	RES, METAL FILM(SMD) 150(1608)
R3213	1-245-814-11	s	RES, METAL FILM(SMD)1.8K(1608)
R3214	1-245-802-11	s	RES, METAL FILM(SMD) 560(1608)
R3215	1-245-800-11	s	RES, METAL FILM(SMD) 470(1608)
R3216	1-245-888-11	s	RES, METAL FILM(SMD) 47K(1608)
R3217	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R3218	1-245-800-11	s	RES, METAL FILM(SMD) 470(1608)
R3219	1-245-858-11	s	RES, METAL FILM(SMD) 18K(1608)
R3221	1-245-844-11	s	RES, METAL FILM(SMD)4.7K(1608)
R3222	1-245-736-11	s	RES, METAL FILM(SMD) 47 (1608)
R3223	1-245-888-11	s	RES, METAL FILM(SMD) 47K(1608)
R3224	1-245-774-11	s	RES, METAL FILM(SMD) 270(1608)
R3225	1-245-774-11	s	RES, METAL FILM(SMD) 270(1608)
R3226	1-245-808-11	s	RES, METAL FILM(SMD) 1K (1608)

(MB-1191 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R3227	1-245-808-11	s	RES, METAL FILM(SMD) 1K (1608)
R3228	1-245-808-11	s	RES, METAL FILM(SMD) 1K (1608)
R3229	1-245-818-11	s	RES, METAL FILM(SMD)2.7K(1608)
R3230	1-245-844-11	s	RES, METAL FILM(SMD)4.7K(1608)
R3231	1-245-856-11	s	RES, METAL FILM(SMD) 15K(1608)
R3232	1-245-768-11	s	RES, METAL FILM(SMD) 150(1608)
R3233	1-245-814-11	s	RES, METAL FILM(SMD)1.8K(1608)
R3234	1-245-802-11	s	RES, METAL FILM(SMD) 560(1608)
R3235	1-245-800-11	s	RES, METAL FILM(SMD) 470(1608)
R3236	1-245-888-11	s	RES, METAL FILM(SMD) 47K(1608)
R3237	1-216-864-91	s	CONDUCTOR, CHIP (1608)
R3238	1-245-800-11	s	RES, METAL FILM(SMD) 470(1608)
R3239	1-245-858-11	s	RES, METAL FILM(SMD) 18K(1608)
R3241	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R3242	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R3243	1-218-977-81	s	RES, CHIP 100K
R3244	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R3245	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R3246	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R3247	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R3248	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R3249	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R3250	1-245-728-11	s	RES, METAL FILM(SMD) 22 (1608)
R3251	1-245-728-11	s	RES, METAL FILM(SMD) 22 (1608)
R3256	1-245-772-11	s	RES, METAL FILM(SMD) 220(1608)
R3257	1-245-888-11	s	RES, METAL FILM(SMD) 47K(1608)
R3258	1-245-888-11	s	RES, METAL FILM(SMD) 47K(1608)
RB2200	1-234-377-21	s	RES, NETWORK 4.7K (1005X4)
RB2201	1-234-377-21	s	RES, NETWORK 4.7K (1005X4)
RV2500	1-225-907-21	s	RES, ADJ, CERMET (3 TYPE) 100K
RV2501	1-225-907-21	s	RES, ADJ, CERMET (3 TYPE) 100K
RY2500	1-755-381-21	s	RELAY
RY2501	1-755-381-21	s	RELAY
RY2502	1-755-381-21	s	RELAY
RY2503	1-755-381-21	s	RELAY
RY2504	1-755-381-21	s	RELAY
RY2505	1-755-381-21	s	RELAY
RY2700	1-755-381-21	s	RELAY
RY3201	1-755-381-21	s	RELAY
S2000	1-786-028-11	s	SWITCH, SLIDE
T2001	1-437-194-21	s	TRANSFORMER, PULSE
T2200	1-437-527-41	s	TRANSFORMER, PULSE
THP4	⚠ 1-803-312-21	s	THERMISTOR, POSITIVE (RUE300)
THP005	1-804-045-11	s	THERMISTOR
THP006	⚠ 1-803-615-21	s	THERMISTOR, POSITIVE
THP007	⚠ 1-803-615-21	s	THERMISTOR, POSITIVE
TP2012	1-780-925-11	s	TERMINAL, LUG
TP2013	1-780-925-11	s	TERMINAL, LUG
TP2014	1-780-925-11	s	TERMINAL, LUG
TP2016	1-780-925-11	s	TERMINAL, LUG
TP2017	1-780-925-11	s	TERMINAL, LUG
TP2019	1-780-925-11	s	TERMINAL, LUG
TP2020	1-535-877-22	s	CHIP, CHECKER
TP2021	1-535-877-22	s	CHIP, CHECKER
TP2022	1-535-877-22	s	CHIP, CHECKER
TP2023	1-535-877-22	s	CHIP, CHECKER

(MB-1191 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
TP2500	1-535-877-22	s	CHIP, CHECKER
TP2501	1-535-877-22	s	CHIP, CHECKER
TP2502	1-535-877-22	s	CHIP, CHECKER
TP2503	1-535-877-22	s	CHIP, CHECKER
TP2505	1-780-925-11	s	TERMINAL, LUG
TP2506	1-780-925-11	s	TERMINAL, LUG
TP2507	1-535-877-22	s	CHIP, CHECKER
TP2508	1-780-925-11	s	TERMINAL, LUG
TP2600	1-780-925-11	s	TERMINAL, LUG
X2000	1-813-495-11	s	OSCILLATOR, CRYSTAL
X2001	1-814-001-11	s	OSCILLATOR, CRYSTAL (9.6MHZ)
X2200	1-814-323-11	s	OSCILLATOR, CRYSTAL 15.625MHZ
X2201	1-795-983-11	s	OSCILLATOR, CRYSTAL

RM-223 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1772-804-A	s	MOUNTED CIRCUIT BOARD, RM-223
C3000	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C3001	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C3002	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C3003	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C3004	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C3005	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C3006	1-100-672-91	s	CAP, CERAMIC 10MF C (3216)
C3007	1-164-854-81	s	CAP, CHIP CERAMIC 15PF CH 1005
C3009	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C3010	1-164-854-81	s	CAP, CHIP CERAMIC 15PF CH 1005
C3011	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C3012	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C3013	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C3014	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C3015	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C3016	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C3017	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C3018	1-100-672-91	s	CAP, CERAMIC 10MF C (3216)
C3019	1-112-746-11	s	CAP, CERAMIC 4.7MF B (1608)
C3020	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C3021	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C3022	1-112-746-11	s	CAP, CERAMIC 4.7MF B (1608)
C3023	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
CN3000	1-815-411-21	o	CONNECTOR, BOARD TO BOARD 30P
D3000	6-502-197-01	s	DI SML-D12M8WT86SM
D3001	6-502-197-01	s	DI SML-D12M8WT86SM
D3002	6-502-197-01	s	DI SML-D12M8WT86SM
D3003	6-502-197-01	s	DI SML-D12M8WT86SM
IC3000	6-711-696-01	s	IC CY62256VNLL-70ZXCT
IC3001	6-710-944-01	s	IC TC74VHC573FK(EL,K)
IC3004	6-704-257-01	s	IC TK11130CSCL-G
R3000	1-208-935-81	s	RES, CHIP 100K (1005)
R3001	1-208-935-81	s	RES, CHIP 100K (1005)
R3002	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R3003	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R3004	1-208-903-81	s	RES, CHIP 4.7K (1005)
R3005	1-208-903-81	s	RES, CHIP 4.7K (1005)
R3006	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R3008	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R3009	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R3010	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R3011	1-208-911-81	s	RES, CHIP 10K (1005)
R3012	1-208-935-81	s	RES, CHIP 100K (1005)
R3013	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R3014	1-208-911-81	s	RES, CHIP 10K (1005)
X3000	1-813-177-21	s	VIBRATOR, CRYSTAL (16 MHz)

SW-1481 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1769-922-A	s	MOUNTED CIRCUIT BOARD, SW-1481
CN3100	1-770-621-21	s	PIN, CONNECTOR 4P
EN3100	1-487-986-11	s	ENCODER, ROTARY (INCREMENTAL)

TUN-19 BOARD

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*a:[DWR-R02D/14 (UC)]
*b:[DWR-R02D/30 (UC)]
*c:[DWR-R02D/42 (UC, CE)]
*d:[DWR-R02D/33 (CE)]
*e:[DWR-R02D/51 (CE)]

Ref. No. or Q'ty	Part No.	SP	Description
1pc	*a A-1868-671-A	s	MOUNTED CIRCUIT BOARD, TUN-19
1pc	*b A-1868-672-A	s	MOUNTED CIRCUIT BOARD, TUN-19
1pc	*c A-1868-673-A	s	MOUNTED CIRCUIT BOARD, TUN-19
1pc	*d A-1887-164-A	s	MOUNTED CIRCUIT BOARD, TUN-19
1pc	*e A-1887-165-A	s	MOUNTED CIRCUIT BOARD, TUN-19
4pcs	3-637-901-11	s	SCREW M2.6X5
C001	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C002	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C003	1-112-815-91	s	CAP, CERAMIC 10MF C (1608)
C004	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C005	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C006	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C007	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C008	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C009	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C010	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C011	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C012	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C013	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C014	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C015	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C016	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C017	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C018	1-112-815-91	s	CAP, CERAMIC 10MF C (1608)
C019	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C020	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C021	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C022	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C023	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C024	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C025	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C026	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C027	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C028	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C029	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C030	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C031	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C032	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C033	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C034	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C035	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C036	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C037	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C038	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C039	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C040	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C041	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C042	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C043	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C044	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C045	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C046	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005

(TUN-19 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C047	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C048	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C049	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C050	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C051	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C052	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C053	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C054	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C055	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C056	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C057	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C058	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C059	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C060	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C061	1-164-842-81	s	CAP,CHIP CERAMIC 2.0PF CK 1005
C062	1-164-843-81	s	CAP, CHIP CERAMIC 3PF CJ 1005
C063	1-164-842-81	s	CAP,CHIP CERAMIC 2.0PF CK 1005
C064	1-164-843-81	s	CAP, CHIP CERAMIC 3PF CJ 1005
C101	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C102	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C103	1-112-815-91	s	CAP, CERAMIC 10MF C (1608)
C104	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C105	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C106	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C107	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C108	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C109	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C110	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C111	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C112	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C113	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C114	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C115	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C116	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C117	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C118	1-112-815-91	s	CAP, CERAMIC 10MF C (1608)
C119	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C120	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C121	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C122	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C123	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C124	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C125	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C126	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C127	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C128	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C129	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C130	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C131	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C132	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C133	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C134	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C135	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C136	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C137	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C138	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C139	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C140	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C141	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005

(TUN-19 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C142	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C143	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C144	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C145	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C146	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C147	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C148	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C149	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C150	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C151	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C152	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C153	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C154	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C155	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C156	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C157	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C158	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C159	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C160	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C161	1-164-842-81	s	CAP,CHIP CERAMIC 2.0PF CK 1005
C162	1-164-843-81	s	CAP, CHIP CERAMIC 3PF CJ 1005
C163	1-164-843-81	s	CAP, CHIP CERAMIC 3PF CJ 1005
C164	1-164-842-81	s	CAP,CHIP CERAMIC 2.0PF CK 1005
C200	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C201 *a	1-164-847-81	s	CAP, CHIP CERAMIC 7PF CH 1005
*b*c*d*e	1-164-846-81	s	CAP, CHIP CERAMIC 6PF CH 1005
C202 *a	1-164-847-81	s	CAP, CHIP CERAMIC 7PF CH 1005
*b*c*d*e	1-164-845-81	s	CAP, CHIP CERAMIC 5PF CH 1005
C203 *a	1-164-847-81	s	CAP, CHIP CERAMIC 7PF CH 1005
*b*c*d*e	1-164-846-81	s	CAP, CHIP CERAMIC 6PF CH 1005
C204	1-112-815-91	s	CAP, CERAMIC 10MF C (1608)
C205	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C206	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C207	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C208 *a	1-164-849-81	s	CAP, CHIP CERAMIC 9PF CH 1005
*b*d	1-164-847-81	s	CAP, CHIP CERAMIC 7PF CH 1005
*c*e	1-164-846-81	s	CAP, CHIP CERAMIC 6PF CH 1005
C209 *a	1-164-849-81	s	CAP, CHIP CERAMIC 9PF CH 1005
*b*d	1-164-847-81	s	CAP, CHIP CERAMIC 7PF CH 1005
*c*e	1-164-846-81	s	CAP, CHIP CERAMIC 6PF CH 1005
C210	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C211	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C212	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C213	1-164-842-81	s	CAP,CHIP CERAMIC 2.0PF CK 1005
C214	1-164-842-81	s	CAP,CHIP CERAMIC 2.0PF CK 1005
C215	1-164-862-81	s	CAP, CHIP CERAMIC 33PF CH 1005
C216	1-164-839-81	s	CAP,CHIP CERAMIC 0.5PF CK 1005
C217	1-164-841-81	s	CAP,CHIP CERAMIC 1.5PF CH 1005
C218	1-164-841-81	s	CAP,CHIP CERAMIC 1.5PF CH 1005
C219	1-164-839-81	s	CAP,CHIP CERAMIC 0.5PF CK 1005
C220	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C221	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C223	1-164-844-81	s	CAP, CHIP CERAMIC 4PF CH 1005
C224	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C225	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C226	1-164-839-81	s	CAP,CHIP CERAMIC 0.5PF CK 1005
C227	1-164-841-81	s	CAP,CHIP CERAMIC 1.5PF CH 1005
C228	1-164-841-81	s	CAP,CHIP CERAMIC 1.5PF CH 1005
C229	1-164-839-81	s	CAP,CHIP CERAMIC 0.5PF CK 1005
C230	1-164-840-81	s	CAP, CHIP CERAMIC 1PF CK 1005

(TUN-19 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C231	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C232	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C233	1-114-214-81	s	CAP,CHIP CERAMIC470PF CH1005
C234	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C235	1-119-923-81	s	CAP, CERAMIC 0.047MF B 1005
C236	1-119-923-81	s	CAP, CERAMIC 0.047MF B 1005
C237	1-119-923-81	s	CAP, CERAMIC 0.047MF B 1005
C238	1-119-923-81	s	CAP, CERAMIC 0.047MF B 1005
C239	1-164-866-81	s	CAP, CHIP CERAMIC 47PF CH 1005
C240	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C241	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C242	1-119-923-81	s	CAP, CERAMIC 0.047MF B 1005
C243	1-119-923-81	s	CAP, CERAMIC 0.047MF B 1005
C244	1-164-866-81	s	CAP, CHIP CERAMIC 47PF CH 1005
C245	1-119-923-81	s	CAP, CERAMIC 0.047MF B 1005
C246	1-119-923-81	s	CAP, CERAMIC 0.047MF B 1005
C247	1-119-923-81	s	CAP, CERAMIC 0.047MF B 1005
C248	1-119-923-81	s	CAP, CERAMIC 0.047MF B 1005
C249	1-114-214-81	s	CAP,CHIP CERAMIC470PF CH1005
C250	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C300	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C301 *a	1-164-847-81	s	CAP, CHIP CERAMIC 7PF CH 1005
*b*c*d*e	1-164-846-81	s	CAP, CHIP CERAMIC 6PF CH 1005
C302 *a	1-164-847-81	s	CAP, CHIP CERAMIC 7PF CH 1005
*b*c*d*e	1-164-845-81	s	CAP, CHIP CERAMIC 5PF CH 1005
C303 *a	1-164-847-81	s	CAP, CHIP CERAMIC 7PF CH 1005
*b*c*d*e	1-164-846-81	s	CAP, CHIP CERAMIC 6PF CH 1005
C304	1-112-815-91	s	CAP, CERAMIC 10MF C (1608)
C305	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C306	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C307	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C308 *a	1-164-849-81	s	CAP, CHIP CERAMIC 9PF CH 1005
*b*d	1-164-847-81	s	CAP, CHIP CERAMIC 7PF CH 1005
*c*e	1-164-846-81	s	CAP, CHIP CERAMIC 6PF CH 1005
C309 *a	1-164-849-81	s	CAP, CHIP CERAMIC 9PF CH 1005
*b*d	1-164-847-81	s	CAP, CHIP CERAMIC 7PF CH 1005
*c*e	1-164-846-81	s	CAP, CHIP CERAMIC 6PF CH 1005
C310	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C311	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C312	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C313	1-164-842-81	s	CAP,CHIP CERAMIC 2.0PF CK 1005
C314	1-164-842-81	s	CAP,CHIP CERAMIC 2.0PF CK 1005
C315	1-164-862-81	s	CAP, CHIP CERAMIC 33PF CH 1005
C316	1-164-839-81	s	CAP,CHIP CERAMIC 0.5PF CK 1005
C317	1-164-841-81	s	CAP,CHIP CERAMIC 1.5PF CH 1005
C318	1-164-841-81	s	CAP,CHIP CERAMIC 1.5PF CH 1005
C319	1-164-839-81	s	CAP,CHIP CERAMIC 0.5PF CK 1005
C320	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C321	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C323	1-164-844-81	s	CAP, CHIP CERAMIC 4PF CH 1005
C324	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C325	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C326	1-164-839-81	s	CAP,CHIP CERAMIC 0.5PF CK 1005
C327	1-164-841-81	s	CAP,CHIP CERAMIC 1.5PF CH 1005
C328	1-164-841-81	s	CAP,CHIP CERAMIC 1.5PF CH 1005
C329	1-164-839-81	s	CAP,CHIP CERAMIC 0.5PF CK 1005
C330	1-164-840-81	s	CAP, CHIP CERAMIC 1PF CK 1005
C331	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C332	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C333	1-114-214-81	s	CAP,CHIP CERAMIC470PF CH1005

(TUN-19 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C334	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C335	1-119-923-81	s	CAP, CERAMIC 0.047MF B 1005
C336	1-119-923-81	s	CAP, CERAMIC 0.047MF B 1005
C337	1-119-923-81	s	CAP, CERAMIC 0.047MF B 1005
C338	1-119-923-81	s	CAP, CERAMIC 0.047MF B 1005
C339	1-164-866-81	s	CAP, CHIP CERAMIC 47PF CH 1005
C340	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C341	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C342	1-119-923-81	s	CAP, CERAMIC 0.047MF B 1005
C343	1-119-923-81	s	CAP, CERAMIC 0.047MF B 1005
C344	1-164-866-81	s	CAP, CHIP CERAMIC 47PF CH 1005
C345	1-119-923-81	s	CAP, CERAMIC 0.047MF B 1005
C346	1-119-923-81	s	CAP, CERAMIC 0.047MF B 1005
C347	1-119-923-81	s	CAP, CERAMIC 0.047MF B 1005
C348	1-119-923-81	s	CAP, CERAMIC 0.047MF B 1005
C349	1-114-214-81	s	CAP,CHIP CERAMIC470PF CH1005
C350	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C400	1-112-815-91	s	CAP, CERAMIC 10MF C (1608)
C401	1-112-746-11	s	CAP, CERAMIC 4.7MF B (1608)
C402	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C403	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C404	1-112-746-11	s	CAP, CERAMIC 4.7MF B (1608)
C405	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C406	1-164-842-81	s	CAP,CHIP CERAMIC 2.0PF CK 1005
C407	1-164-843-81	s	CAP, CHIP CERAMIC 3PF CJ 1005
C408	1-164-933-81	s	CAP, CHIP CERAMIC 220PF B 1005
C409	1-164-933-81	s	CAP, CHIP CERAMIC 220PF B 1005
C410	1-112-815-91	s	CAP, CERAMIC 10MF C (1608)
C411	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C412	1-112-746-11	s	CAP, CERAMIC 4.7MF B (1608)
C413	1-164-858-81	s	CAP, CHIP CERAMIC 22PF CH 1005
C414	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C415	1-164-938-81	s	CAP, CHIPCERAMIC 1500PF B 1005
C416	1-112-746-11	s	CAP, CERAMIC 4.7MF B (1608)
C417	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C418	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C419	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C420	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C421	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C422	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C423	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C424	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C425	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C426	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C427	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C428	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C429	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C430	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C431	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C432	1-112-863-91	s	CAP, CERAMIC 0.22MF B (1005)
C433	1-112-746-11	s	CAP, CERAMIC 4.7MF B (1608)
C434	1-112-746-11	s	CAP, CERAMIC 4.7MF B (1608)
C436	1-112-746-11	s	CAP, CERAMIC 4.7MF B (1608)
C437	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C438	1-164-845-81	s	CAP, CHIP CERAMIC 5PF CH 1005
C439	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C440	1-164-856-81	s	CAP, CHIP CERAMIC 18PF CH 1005
C441	1-164-856-81	s	CAP, CHIP CERAMIC 18PF CH 1005
C442	1-164-850-81	s	CAP, CHIP CERAMIC 10PF CH 1005

(TUN-19 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C443	1-164-850-81	s	CAP, CHIP CERAMIC 10PF CH 1005
C444	1-114-214-81	s	CAP,CHIP CERAMIC470PF CH1005
C445	1-164-933-81	s	CAP, CHIP CERAMIC 220PF B 1005
C453	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C454	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C455	1-164-845-81	s	CAP, CHIP CERAMIC 5PF CH 1005
C456	1-164-850-81	s	CAP, CHIP CERAMIC 10PF CH 1005
C457	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C458	1-164-882-81	s	CAP,CHIP CERAMIC 220PF CH 1005
C459	1-164-862-81	s	CAP, CHIP CERAMIC 33PF CH 1005
C460	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C500	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C501 *a	1-164-847-81	s	CAP, CHIP CERAMIC 7PF CH 1005
*b*c*d*e	1-164-846-81	s	CAP, CHIP CERAMIC 6PF CH 1005
C502 *a	1-164-847-81	s	CAP, CHIP CERAMIC 7PF CH 1005
*b*c*d*e	1-164-845-81	s	CAP, CHIP CERAMIC 5PF CH 1005
C503 *a	1-164-847-81	s	CAP, CHIP CERAMIC 7PF CH 1005
*b*c*d*e	1-164-846-81	s	CAP, CHIP CERAMIC 6PF CH 1005
C504	1-112-815-91	s	CAP, CERAMIC 10MF C (1608)
C505	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C506	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C507	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C508 *a	1-164-849-81	s	CAP, CHIP CERAMIC 9PF CH 1005
*b*d	1-164-847-81	s	CAP, CHIP CERAMIC 7PF CH 1005
*c*e	1-164-846-81	s	CAP, CHIP CERAMIC 6PF CH 1005
C509 *a	1-164-849-81	s	CAP, CHIP CERAMIC 9PF CH 1005
*b*d	1-164-847-81	s	CAP, CHIP CERAMIC 7PF CH 1005
*c*e	1-164-846-81	s	CAP, CHIP CERAMIC 6PF CH 1005
C510	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C511	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C512	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C513	1-164-842-81	s	CAP,CHIP CERAMIC 2.0PF CK 1005
C514	1-164-842-81	s	CAP,CHIP CERAMIC 2.0PF CK 1005
C515	1-164-862-81	s	CAP, CHIP CERAMIC 33PF CH 1005
C516	1-164-839-81	s	CAP,CHIP CERAMIC 0.5PF CK 1005
C517	1-164-841-81	s	CAP,CHIP CERAMIC 1.5PF CH 1005
C518	1-164-841-81	s	CAP,CHIP CERAMIC 1.5PF CH 1005
C519	1-164-839-81	s	CAP,CHIP CERAMIC 0.5PF CK 1005
C520	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C521	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C523	1-164-844-81	s	CAP, CHIP CERAMIC 4PF CH 1005
C524	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C525	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C526	1-164-839-81	s	CAP,CHIP CERAMIC 0.5PF CK 1005
C527	1-164-841-81	s	CAP,CHIP CERAMIC 1.5PF CH 1005
C528	1-164-841-81	s	CAP,CHIP CERAMIC 1.5PF CH 1005
C529	1-164-839-81	s	CAP,CHIP CERAMIC 0.5PF CK 1005
C530	1-164-840-81	s	CAP, CHIP CERAMIC 1PF CK 1005
C531	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C532	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C533	1-164-935-81	s	CAP, CHIP CERAMIC 470PF B 1005
C534	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C535	1-119-923-81	s	CAP, CERAMIC 0.047MF B 1005
C536	1-119-923-81	s	CAP, CERAMIC 0.047MF B 1005
C537	1-119-923-81	s	CAP, CERAMIC 0.047MF B 1005
C538	1-119-923-81	s	CAP, CERAMIC 0.047MF B 1005
C539	1-164-866-81	s	CAP, CHIP CERAMIC 47PF CH 1005
C540	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C541	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C542	1-119-923-81	s	CAP, CERAMIC 0.047MF B 1005

(TUN-19 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C543	1-119-923-81	s	CAP, CERAMIC 0.047MF B 1005
C544	1-164-866-81	s	CAP, CHIP CERAMIC 47PF CH 1005
C545	1-119-923-81	s	CAP, CERAMIC 0.047MF B 1005
C546	1-119-923-81	s	CAP, CERAMIC 0.047MF B 1005
C547	1-119-923-81	s	CAP, CERAMIC 0.047MF B 1005
C548	1-119-923-81	s	CAP, CERAMIC 0.047MF B 1005
C549	1-114-214-81	s	CAP,CHIP CERAMIC470PF CH1005
C550	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C600	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C601 *a	1-164-847-81	s	CAP, CHIP CERAMIC 7PF CH 1005
*b*c*d*e	1-164-846-81	s	CAP, CHIP CERAMIC 6PF CH 1005
C602 *a	1-164-847-81	s	CAP, CHIP CERAMIC 7PF CH 1005
*b*c*d*e	1-164-845-81	s	CAP, CHIP CERAMIC 5PF CH 1005
C603 *a	1-164-847-81	s	CAP, CHIP CERAMIC 7PF CH 1005
*b*c*d*e	1-164-846-81	s	CAP, CHIP CERAMIC 6PF CH 1005
C604	1-112-815-91	s	CAP, CERAMIC 10MF C (1608)
C605	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C606	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C607	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C608 *a	1-164-849-81	s	CAP, CHIP CERAMIC 9PF CH 1005
*b*d	1-164-847-81	s	CAP, CHIP CERAMIC 7PF CH 1005
*c*e	1-164-846-81	s	CAP, CHIP CERAMIC 6PF CH 1005
C609 *a	1-164-849-81	s	CAP, CHIP CERAMIC 9PF CH 1005
*b*d	1-164-847-81	s	CAP, CHIP CERAMIC 7PF CH 1005
*c*e	1-164-846-81	s	CAP, CHIP CERAMIC 6PF CH 1005
C610	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C611	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C612	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C613	1-164-842-81	s	CAP,CHIP CERAMIC 2.0PF CK 1005
C614	1-164-842-81	s	CAP,CHIP CERAMIC 2.0PF CK 1005
C615	1-164-862-81	s	CAP, CHIP CERAMIC 33PF CH 1005
C616	1-164-839-81	s	CAP,CHIP CERAMIC 0.5PF CK 1005
C617	1-164-841-81	s	CAP,CHIP CERAMIC 1.5PF CH 1005
C618	1-164-841-81	s	CAP,CHIP CERAMIC 1.5PF CH 1005
C619	1-164-839-81	s	CAP,CHIP CERAMIC 0.5PF CK 1005
C620	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C621	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C623	1-164-844-81	s	CAP, CHIP CERAMIC 4PF CH 1005
C624	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C625	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C626	1-164-839-81	s	CAP,CHIP CERAMIC 0.5PF CK 1005
C627	1-164-841-81	s	CAP,CHIP CERAMIC 1.5PF CH 1005
C628	1-164-841-81	s	CAP,CHIP CERAMIC 1.5PF CH 1005
C629	1-164-839-81	s	CAP,CHIP CERAMIC 0.5PF CK 1005
C630	1-164-840-81	s	CAP, CHIP CERAMIC 1PF CK 1005
C631	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C632	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C633	1-164-935-81	s	CAP, CHIP CERAMIC 470PF B 1005
C634	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C635	1-119-923-81	s	CAP, CERAMIC 0.047MF B 1005
C636	1-119-923-81	s	CAP, CERAMIC 0.047MF B 1005
C637	1-119-923-81	s	CAP, CERAMIC 0.047MF B 1005
C638	1-119-923-81	s	CAP, CERAMIC 0.047MF B 1005
C639	1-164-866-81	s	CAP, CHIP CERAMIC 47PF CH 1005
C640	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C641	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C642	1-119-923-81	s	CAP, CERAMIC 0.047MF B 1005
C643	1-119-923-81	s	CAP, CERAMIC 0.047MF B 1005
C644	1-164-866-81	s	CAP, CHIP CERAMIC 47PF CH 1005
C645	1-119-923-81	s	CAP, CERAMIC 0.047MF B 1005

(TUN-19 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C646	1-119-923-81	s	CAP, CERAMIC 0.047MF B 1005
C647	1-119-923-81	s	CAP, CERAMIC 0.047MF B 1005
C648	1-119-923-81	s	CAP, CERAMIC 0.047MF B 1005
C649	1-114-214-81	s	CAP,CHIP CERAMIC470PF CH1005
C650	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C700	1-112-815-91	s	CAP, CERAMIC 10MF C (1608)
C701	1-112-746-11	s	CAP, CERAMIC 4.7MF B (1608)
C702	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C703	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C704	1-112-746-11	s	CAP, CERAMIC 4.7MF B (1608)
C705	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C706	1-164-842-81	s	CAP,CHIP CERAMIC 2.0PF CK 1005
C707	1-164-843-81	s	CAP, CHIP CERAMIC 3PF CJ 1005
C708	1-164-933-81	s	CAP, CHIP CERAMIC 220PF B 1005
C709	1-164-933-81	s	CAP, CHIP CERAMIC 220PF B 1005
C710	1-112-815-91	s	CAP, CERAMIC 10MF C (1608)
C711	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C712	1-112-746-11	s	CAP, CERAMIC 4.7MF B (1608)
C713	1-164-858-81	s	CAP, CHIP CERAMIC 22PF CH 1005
C714	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C715	1-164-938-81	s	CAP, CHIPCERAMIC 1500PF B 1005
C716	1-112-746-11	s	CAP, CERAMIC 4.7MF B (1608)
C717	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C718	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C719	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C720	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C721	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C722	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C723	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C724	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C725	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C726	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C727	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C728	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C729	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C730	1-112-717-91	s	CAP, CERAMIC 1UF B (1005)
C731	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C732	1-112-863-91	s	CAP, CERAMIC 0.22MF B (1005)
C733	1-112-746-11	s	CAP, CERAMIC 4.7MF B (1608)
C734	1-112-746-11	s	CAP, CERAMIC 4.7MF B (1608)
C736	1-112-746-11	s	CAP, CERAMIC 4.7MF B (1608)
C737	1-164-874-81	s	CAP,CHIP CERAMIC 100PF CH 1005
C738	1-164-845-81	s	CAP, CHIP CERAMIC 5PF CH 1005
C739	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C740	1-164-856-81	s	CAP, CHIP CERAMIC 18PF CH 1005
C741	1-164-856-81	s	CAP, CHIP CERAMIC 18PF CH 1005
C742	1-164-850-81	s	CAP, CHIP CERAMIC 10PF CH 1005
C743	1-164-850-81	s	CAP, CHIP CERAMIC 10PF CH 1005
C744	1-164-935-81	s	CAP, CHIP CERAMIC 470PF B 1005
C745	1-164-933-81	s	CAP, CHIP CERAMIC 220PF B 1005
C753	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C754	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C755	1-164-845-81	s	CAP, CHIP CERAMIC 5PF CH 1005
C756	1-164-850-81	s	CAP, CHIP CERAMIC 10PF CH 1005
C757	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C758	1-164-882-81	s	CAP,CHIP CERAMIC 220PF CH 1005
C759	1-164-862-81	s	CAP, CHIP CERAMIC 33PF CH 1005
C760	1-100-567-81	s	CAP,CHIP CERAMIC 0.01MF B 1005
C800	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005

(TUN-19 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C801	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C802	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C803	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C804	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C805	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C806	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C807	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C808	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C809	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C810	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C811	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C812	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C813	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C814	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C815	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C816	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C817	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C818	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C819	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C820	1-112-928-11	s	CAP, NIOBIUM ELECT 22MF
C821	1-112-928-11	s	CAP, NIOBIUM ELECT 22MF
C822	1-112-928-11	s	CAP, NIOBIUM ELECT 22MF
C823	1-112-928-11	s	CAP, NIOBIUM ELECT 22MF
C824	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C825	1-112-928-11	s	CAP, NIOBIUM ELECT 22MF
C826	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C827	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C828	1-112-928-11	s	CAP, NIOBIUM ELECT 22MF
C829	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C830	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C831	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C832	1-112-815-91	s	CAP, CERAMIC 10MF C (1608)
C833	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C834	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C835	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C836	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C837	1-112-928-11	s	CAP, NIOBIUM ELECT 22MF
C838	1-112-928-11	s	CAP, NIOBIUM ELECT 22MF
C850	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C851	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C852	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C853	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C854	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C855	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C856	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C857	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C858	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C859	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C860	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C861	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C862	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C863	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C864	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C865	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C866	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C867	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C868	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C869	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C870	1-112-928-11	s	CAP, NIOBIUM ELECT 22MF

(TUN-19 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C871	1-112-928-11	s	CAP, NIOBIUM ELECT 22MF
C872	1-112-928-11	s	CAP, NIOBIUM ELECT 22MF
C873	1-112-928-11	s	CAP, NIOBIUM ELECT 22MF
C874	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C875	1-112-928-11	s	CAP, NIOBIUM ELECT 22MF
C876	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C877	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C878	1-112-928-11	s	CAP, NIOBIUM ELECT 22MF
C879	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C880	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C881	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C882	1-112-815-91	s	CAP, CERAMIC 10MF C (1608)
C883	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C884	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C885	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C886	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C887	1-112-928-11	s	CAP, NIOBIUM ELECT 22MF
C888	1-112-928-11	s	CAP, NIOBIUM ELECT 22MF
C900	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C901	1-112-815-91	s	CAP, CERAMIC 10MF C (1608)
C902	1-112-815-91	s	CAP, CERAMIC 10MF C (1608)
C903	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C904	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C905	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C906	1-114-582-91	s	CAP, CERAMIC 0.1MF B 1005
C907	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
C908	1-112-692-81	s	CAP,CHIP CERAMIC1000PF CH 1005
CF200	1-814-111-11	s	FILTER, CERAMIC (10.8MHZ)
CF201	1-814-111-11	s	FILTER, CERAMIC (10.8MHZ)
CF300	1-814-111-11	s	FILTER, CERAMIC (10.8MHZ)
CF301	1-814-111-11	s	FILTER, CERAMIC (10.8MHZ)
CF500	1-814-111-11	s	FILTER, CERAMIC (10.8MHZ)
CF501	1-814-111-11	s	FILTER, CERAMIC (10.8MHZ)
CF600	1-814-111-11	s	FILTER, CERAMIC (10.8MHZ)
CF601	1-814-111-11	s	FILTER, CERAMIC (10.8MHZ)
CN001	1-842-166-11	s	CONNECTOR, COAXIAL (BNC)
CN002	1-842-166-11	s	CONNECTOR, COAXIAL (BNC)
CN101	1-842-166-11	s	CONNECTOR, COAXIAL (BNC)
CN102	1-842-166-11	s	CONNECTOR, COAXIAL (BNC)
CN900	1-778-652-31	s	CONNECTOR, FFC (ZIF) 50P
CN901	1-573-768-21	s	PIN, CONNECTOR (1.5MM) (SMD)5P
D200	6-502-162-01	s	DI RN262CST2R
D300	6-502-162-01	s	DI RN262CST2R
D400	8-719-069-28	s	DI 1SS400FJTE61
D401	8-719-069-28	s	DI 1SS400FJTE61
D402	8-719-064-32	s	DIODE HVC358BTRF
D500	6-502-162-01	s	DI RN262CST2R
D600	6-502-162-01	s	DI RN262CST2R
D700	8-719-069-28	s	DI 1SS400FJTE61
D701	8-719-069-28	s	DI 1SS400FJTE61
D702	8-719-064-32	s	DIODE HVC358BTRF
FB001	1-469-081-21	s	INDUCTOR, FERRITE BEAD (1005)
FB002	1-469-081-21	s	INDUCTOR, FERRITE BEAD (1005)
FB003	1-469-081-21	s	INDUCTOR, FERRITE BEAD (1005)
FB004	1-469-081-21	s	INDUCTOR, FERRITE BEAD (1005)
FB101	1-469-081-21	s	INDUCTOR, FERRITE BEAD (1005)
FB102	1-469-081-21	s	INDUCTOR, FERRITE BEAD (1005)

(TUN-19 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
FB103	1-469-081-21	s	INDUCTOR, FERRITE BEAD (1005)
FB104	1-469-081-21	s	INDUCTOR, FERRITE BEAD (1005)
FB200	1-469-081-21	s	INDUCTOR, FERRITE BEAD (1005)
FB300	1-469-081-21	s	INDUCTOR, FERRITE BEAD (1005)
FB400	1-469-081-21	s	INDUCTOR, FERRITE BEAD (1005)
FB401	1-469-081-21	s	INDUCTOR, FERRITE BEAD (1005)
FB402	1-469-081-21	s	INDUCTOR, FERRITE BEAD (1005)
FB500	1-469-081-21	s	INDUCTOR, FERRITE BEAD (1005)
FB600	1-469-081-21	s	INDUCTOR, FERRITE BEAD (1005)
FB700	1-469-081-21	s	INDUCTOR, FERRITE BEAD (1005)
FB701	1-469-081-21	s	INDUCTOR, FERRITE BEAD (1005)
FB702	1-469-081-21	s	INDUCTOR, FERRITE BEAD (1005)
FL001	1-200-126-11	s	FILTER, LOW PASS (902MHZ)
FL002 *a	1-200-127-11	s	FILTER, BAND PASS 482MHZ
*b*d	1-200-115-11	s	FILTER, BAND PASS 578MHZ
*c	1-200-118-11	s	FILTER, BAND PASS 650MHZ
*e	1-200-141-11	s	FILTER, BAND PASS 722MHZ
FL003 *a	1-200-128-11	s	FILTER, BAND PASS 506MHZ
*b*d	1-200-116-11	s	FILTER, BAND PASS 602MHZ
*c	1-200-119-11	s	FILTER, BAND PASS 674MHZ
*e	1-200-142-11	s	FILTER, BAND PASS 746MHZ
FL004 *a	1-200-129-11	s	FILTER, BAND PASS 530MHZ
*b	1-200-117-11	s	FILTER, BAND PASS 626MHZ
*c	1-200-120-11	s	FILTER, BAND PASS 698MHZ
*d	1-200-140-11	s	FILTER, BAND PASS 618MHZ
*e	1-200-143-11	s	FILTER, BAND PASS 770MHZ
FL005 *a	1-200-127-11	s	FILTER, BAND PASS 482MHZ
*b*d	1-200-115-11	s	FILTER, BAND PASS 578MHZ
*c	1-200-118-11	s	FILTER, BAND PASS 650MHZ
*e	1-200-141-11	s	FILTER, BAND PASS 722MHZ
FL006 *a	1-200-128-11	s	FILTER, BAND PASS 506MHZ
*b*d	1-200-116-11	s	FILTER, BAND PASS 602MHZ
*c	1-200-119-11	s	FILTER, BAND PASS 674MHZ
*e	1-200-142-11	s	FILTER, BAND PASS 746MHZ
FL007 *a	1-200-129-11	s	FILTER, BAND PASS 530MHZ
*b	1-200-117-11	s	FILTER, BAND PASS 626MHZ
*c	1-200-120-11	s	FILTER, BAND PASS 698MHZ
*d	1-200-140-11	s	FILTER, BAND PASS 618MHZ
*e	1-200-143-11	s	FILTER, BAND PASS 770MHZ
FL101	1-200-126-11	s	FILTER, LOW PASS (902MHZ)
FL102 *a	1-200-127-11	s	FILTER, BAND PASS 482MHZ
*b*d	1-200-115-11	s	FILTER, BAND PASS 578MHZ
*c	1-200-118-11	s	FILTER, BAND PASS 650MHZ
*e	1-200-141-11	s	FILTER, BAND PASS 722MHZ
FL103 *a	1-200-128-11	s	FILTER, BAND PASS 506MHZ
*b*d	1-200-116-11	s	FILTER, BAND PASS 602MHZ
*c	1-200-119-11	s	FILTER, BAND PASS 674MHZ
*e	1-200-142-11	s	FILTER, BAND PASS 746MHZ
FL104 *a	1-200-129-11	s	FILTER, BAND PASS 530MHZ
*b	1-200-117-11	s	FILTER, BAND PASS 626MHZ
*c	1-200-120-11	s	FILTER, BAND PASS 698MHZ
*d	1-200-140-11	s	FILTER, BAND PASS 618MHZ
*e	1-200-143-11	s	FILTER, BAND PASS 770MHZ
FL105 *a	1-200-127-11	s	FILTER, BAND PASS 482MHZ
*b*d	1-200-115-11	s	FILTER, BAND PASS 578MHZ
*c	1-200-118-11	s	FILTER, BAND PASS 650MHZ
*e	1-200-141-11	s	FILTER, BAND PASS 722MHZ
FL106 *a	1-200-128-11	s	FILTER, BAND PASS 506MHZ
*b*d	1-200-116-11	s	FILTER, BAND PASS 602MHZ
*c	1-200-119-11	s	FILTER, BAND PASS 674MHZ
*e	1-200-142-11	s	FILTER, BAND PASS 746MHZ

(TUN-19 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
FL107 *a	1-200-129-11	s	FILTER, BAND PASS 530MHZ
*b	1-200-117-11	s	FILTER, BAND PASS 626MHZ
*c	1-200-120-11	s	FILTER, BAND PASS 698MHZ
*d	1-200-140-11	s	FILTER, BAND PASS 618MHZ
*e	1-200-143-11	s	FILTER, BAND PASS 770MHZ
IC001	6-712-641-01	s	IC NJG1650HB6 (TE2)
IC002	6-712-641-01	s	IC NJG1650HB6 (TE2)
IC003	6-712-641-01	s	IC NJG1650HB6 (TE2)
IC004	6-712-641-01	s	IC NJG1650HB6 (TE2)
IC101	6-712-641-01	s	IC NJG1650HB6 (TE2)
IC102	6-712-641-01	s	IC NJG1650HB6 (TE2)
IC103	6-712-641-01	s	IC NJG1650HB6 (TE2)
IC104	6-712-641-01	s	IC NJG1650HB6 (TE2)
IC200	6-712-224-01	s	IC LT5560EDD#TR
IC201	6-712-225-01	s	IC MAX2510EEI+TG069
IC202	6-712-647-01	s	IC LMV721M7
IC300	6-712-224-01	s	IC LT5560EDD#TR
IC301	6-712-225-01	s	IC MAX2510EEI+TG069
IC302	6-712-647-01	s	IC LMV721M7
IC400	6-704-257-01	s	IC TK11130CSCL-G
IC401	6-707-083-01	s	IC TK70008SCL-G
IC402	6-715-217-01	s	IC MB15F72ULPFT
IC403	6-707-083-01	s	IC TK70008SCL-G
IC404	6-707-865-01	s	IC TC74VHC125FT(EKJ)
IC500	6-712-224-01	s	IC LT5560EDD#TR
IC501	6-712-225-01	s	IC MAX2510EEI+TG069
IC502	6-712-647-01	s	IC LMV721M7
IC600	6-712-224-01	s	IC LT5560EDD#TR
IC601	6-712-225-01	s	IC MAX2510EEI+TG069
IC602	6-712-647-01	s	IC LMV721M7
IC700	6-704-257-01	s	IC TK11130CSCL-G
IC701	6-707-083-01	s	IC TK70008SCL-G
IC702	6-715-217-01	s	IC MB15F72ULPFT
IC703	6-707-083-01	s	IC TK70008SCL-G
IC704	6-707-865-01	s	IC TC74VHC125FT(EKJ)
IC800	6-715-167-01	s	IC ADC10D020CIVS
IC801	6-704-491-01	s	IC AD7476ARTZ-REEL7
IC802	6-704-491-01	s	IC AD7476ARTZ-REEL7
IC850	6-715-167-01	s	IC ADC10D020CIVS
IC851	6-704-491-01	s	IC AD7476ARTZ-REEL7
IC852	6-704-491-01	s	IC AD7476ARTZ-REEL7
IC900	6-707-874-01	s	IC TC74VHC244FT(EKJ)
IC901	6-706-013-01	s	IC AK6514CF-E2
IC902	6-706-483-01	s	IC TC7SH02FU
IC903	6-707-865-01	s	IC TC74VHC125FT(EKJ)
IC904	6-711-438-01	s	IC TC74VHC595FK(EL,K)
L001	1-414-691-21	s	INDUCTOR, CHIP 100NH
L002	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L003	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L004	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L005	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L006	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L007	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L008 *a	1-414-844-21	s	INDUCTOR, CHIP 22NH (1005)
*b*d	1-414-842-21	s	INDUCTOR, CHIP 15NH (1005)
*c	1-414-841-21	s	INDUCTOR, CHIP 12NH (1005)
*e	1-414-840-21	s	INDUCTOR, CHIP 10NH (1005)
L009	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L010	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)

(TUN-19 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
L011	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L012	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L013 *a	1-414-844-21	s	INDUCTOR, CHIP 22NH (1005)
*b*d	1-414-842-21	s	INDUCTOR, CHIP 15NH (1005)
*c	1-414-841-21	s	INDUCTOR, CHIP 12NH (1005)
*e	1-414-840-21	s	INDUCTOR, CHIP 10NH (1005)
L014 *a	1-414-844-21	s	INDUCTOR, CHIP 22NH (1005)
*b*d	1-414-842-21	s	INDUCTOR, CHIP 15NH (1005)
*c	1-414-841-21	s	INDUCTOR, CHIP 12NH (1005)
*e	1-414-840-21	s	INDUCTOR, CHIP 10NH (1005)
L015 *a	1-414-844-21	s	INDUCTOR, CHIP 22NH (1005)
*b*d	1-414-842-21	s	INDUCTOR, CHIP 15NH (1005)
*c	1-414-841-21	s	INDUCTOR, CHIP 12NH (1005)
*e	1-414-840-21	s	INDUCTOR, CHIP 10NH (1005)
L016	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L017	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L018	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L019	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L020	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L021	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L022	1-414-838-21	s	INDUCTOR, CHIP 6.8NH (1005)
L023	1-414-838-21	s	INDUCTOR, CHIP 6.8NH (1005)
L024	1-414-838-21	s	INDUCTOR, CHIP 6.8NH (1005)
L025	1-414-838-21	s	INDUCTOR, CHIP 6.8NH (1005)
L101	1-414-691-21	s	INDUCTOR, CHIP 100NH
L102	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L103	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L104	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L105	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L106	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L107	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L108 *a	1-414-844-21	s	INDUCTOR, CHIP 22NH (1005)
*b*d	1-414-842-21	s	INDUCTOR, CHIP 15NH (1005)
*c	1-414-841-21	s	INDUCTOR, CHIP 12NH (1005)
*e	1-414-840-21	s	INDUCTOR, CHIP 10NH (1005)
L109	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L110	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L111	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L112	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L113 *a	1-414-844-21	s	INDUCTOR, CHIP 22NH (1005)
*b*d	1-414-842-21	s	INDUCTOR, CHIP 15NH (1005)
*c	1-414-841-21	s	INDUCTOR, CHIP 12NH (1005)
*e	1-414-840-21	s	INDUCTOR, CHIP 10NH (1005)
L114 *a	1-414-844-21	s	INDUCTOR, CHIP 22NH (1005)
*b*d	1-414-842-21	s	INDUCTOR, CHIP 15NH (1005)
*c	1-414-841-21	s	INDUCTOR, CHIP 12NH (1005)
*e	1-414-840-21	s	INDUCTOR, CHIP 10NH (1005)
L115 *a	1-414-844-21	s	INDUCTOR, CHIP 22NH (1005)
*b*d	1-414-842-21	s	INDUCTOR, CHIP 15NH (1005)
*c	1-414-841-21	s	INDUCTOR, CHIP 12NH (1005)
*e	1-414-840-21	s	INDUCTOR, CHIP 10NH (1005)
L116	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L117	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L118	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L119	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L120	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L121	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L122	1-414-838-21	s	INDUCTOR, CHIP 6.8NH (1005)
L123	1-414-838-21	s	INDUCTOR, CHIP 6.8NH (1005)
L124	1-414-838-21	s	INDUCTOR, CHIP 6.8NH (1005)
L125	1-414-838-21	s	INDUCTOR, CHIP 6.8NH (1005)

(TUN-19 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
L200			
*a*b*d	1-414-842-21	s	INDUCTOR, CHIP 15NH (1005)
*c	1-414-841-21	s	INDUCTOR, CHIP 12NH (1005)
*e	1-414-840-21	s	INDUCTOR, CHIP 10NH (1005)
L201 *a	1-414-846-21	s	INDUCTOR, CHIP 33NH (1005)
*b*d	1-414-845-21	s	INDUCTOR, CHIP 27NH (1005)
*c	1-414-844-21	s	INDUCTOR, CHIP 22NH (1005)
*e	1-414-843-21	s	INDUCTOR, CHIP 18NH (1005)
L202 *a	1-414-846-21	s	INDUCTOR, CHIP 33NH (1005)
*b*d	1-414-845-21	s	INDUCTOR, CHIP 27NH (1005)
*c	1-414-844-21	s	INDUCTOR, CHIP 22NH (1005)
*e	1-414-843-21	s	INDUCTOR, CHIP 18NH (1005)
L203			
*a*b*d	1-414-842-21	s	INDUCTOR, CHIP 15NH (1005)
*c	1-414-841-21	s	INDUCTOR, CHIP 12NH (1005)
*e	1-414-840-21	s	INDUCTOR, CHIP 10NH (1005)
L204	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L205 *a	1-414-846-21	s	INDUCTOR, CHIP 33NH (1005)
*b*c*d	1-414-843-21	s	INDUCTOR, CHIP 18NH (1005)
*e	1-414-842-21	s	INDUCTOR, CHIP 15NH (1005)
L206 *a	1-414-841-21	s	INDUCTOR, CHIP 12NH (1005)
*b*d	1-414-840-21	s	INDUCTOR, CHIP 10NH (1005)
*c*e	1-414-839-21	s	INDUCTOR, CHIP 8.2NH (1005)
L207 *a	1-414-841-21	s	INDUCTOR, CHIP 12NH (1005)
*b*d	1-414-840-21	s	INDUCTOR, CHIP 10NH (1005)
*c*e	1-414-839-21	s	INDUCTOR, CHIP 8.2NH (1005)
L208 *a	1-414-843-21	s	INDUCTOR, CHIP 18NH (1005)
*b*d	1-414-842-21	s	INDUCTOR, CHIP 15NH (1005)
*c	1-414-841-21	s	INDUCTOR, CHIP 12NH (1005)
*e	1-414-840-21	s	INDUCTOR, CHIP 10NH (1005)
L209	1-400-867-21	s	INDUCTOR, CHIP 120NH (1006)
L210	1-400-867-21	s	INDUCTOR, CHIP 120NH (1006)
L211	1-400-867-21	s	INDUCTOR, CHIP 120NH (1006)
L212	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L213	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L214	1-414-846-21	s	INDUCTOR, CHIP 33NH (1005)
L215	1-469-188-21	s	INDUCTOR, CHIP 82NH (1005)
L216	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L217	1-469-356-21	s	INDUCTOR, CHIP 120NH (1005)
L218	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L219	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L220	1-469-187-21	s	INDUCTOR, CHIP 68NH (1005)
L300			
*a*b*d	1-414-842-21	s	INDUCTOR, CHIP 15NH (1005)
*c	1-414-841-21	s	INDUCTOR, CHIP 12NH (1005)
*e	1-414-840-21	s	INDUCTOR, CHIP 10NH (1005)
L301 *a	1-414-846-21	s	INDUCTOR, CHIP 33NH (1005)
*b*d	1-414-845-21	s	INDUCTOR, CHIP 27NH (1005)
*c	1-414-844-21	s	INDUCTOR, CHIP 22NH (1005)
*e	1-414-843-21	s	INDUCTOR, CHIP 18NH (1005)
L302 *a	1-414-846-21	s	INDUCTOR, CHIP 33NH (1005)
*b*d	1-414-845-21	s	INDUCTOR, CHIP 27NH (1005)
*c	1-414-844-21	s	INDUCTOR, CHIP 22NH (1005)
*e	1-414-843-21	s	INDUCTOR, CHIP 18NH (1005)
L303			
*a*b*d	1-414-842-21	s	INDUCTOR, CHIP 15NH (1005)
*c	1-414-841-21	s	INDUCTOR, CHIP 12NH (1005)
*e	1-414-840-21	s	INDUCTOR, CHIP 10NH (1005)
L304	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L305 *a	1-414-846-21	s	INDUCTOR, CHIP 33NH (1005)
*b*c*d	1-414-843-21	s	INDUCTOR, CHIP 18NH (1005)
*e	1-414-842-21	s	INDUCTOR, CHIP 15NH (1005)
L306 *a	1-414-841-21	s	INDUCTOR, CHIP 12NH (1005)
*b*d	1-414-840-21	s	INDUCTOR, CHIP 10NH (1005)
*c*e	1-414-839-21	s	INDUCTOR, CHIP 8.2NH (1005)

(TUN-19 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
L307 *a	1-414-841-21	s	INDUCTOR, CHIP 12NH (1005)
*b*d	1-414-840-21	s	INDUCTOR, CHIP 10NH (1005)
*c*e	1-414-839-21	s	INDUCTOR, CHIP 8.2NH (1005)
L308 *a	1-414-843-21	s	INDUCTOR, CHIP 18NH (1005)
*b*d	1-414-842-21	s	INDUCTOR, CHIP 15NH (1005)
*c	1-414-841-21	s	INDUCTOR, CHIP 12NH (1005)
*e	1-414-840-21	s	INDUCTOR, CHIP 10NH (1005)
L309	1-400-867-21	s	INDUCTOR, CHIP 120NH (1006)
L310	1-400-867-21	s	INDUCTOR, CHIP 120NH (1006)
L311	1-400-867-21	s	INDUCTOR, CHIP 120NH (1006)
L312	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L313	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L314	1-414-846-21	s	INDUCTOR, CHIP 33NH (1005)
L315	1-469-188-21	s	INDUCTOR, CHIP 82NH (1005)
L316	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L317	1-469-356-21	s	INDUCTOR, CHIP 120NH (1005)
L318	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L319	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L320	1-469-187-21	s	INDUCTOR, CHIP 68NH (1005)
L400			
*a*b*c*d	1-414-841-21	s	INDUCTOR, CHIP 12NH (1005)
*e	1-414-840-21	s	INDUCTOR, CHIP 10NH (1005)
L401			
*a*b*c*d	1-414-841-21	s	INDUCTOR, CHIP 12NH (1005)
*e	1-414-840-21	s	INDUCTOR, CHIP 10NH (1005)
L402	1-400-134-21	s	INDUCTOR, CHIP 56NH (1005)
L403	1-414-845-21	s	INDUCTOR, CHIP 27NH (1005)
L404	1-414-846-21	s	INDUCTOR, CHIP 33NH (1005)
L405	1-414-846-21	s	INDUCTOR, CHIP 33NH (1005)
L406	1-469-356-21	s	INDUCTOR, CHIP 120NH (1005)
L407	1-469-187-21	s	INDUCTOR, CHIP 68NH (1005)
L500			
*a*b*d	1-414-842-21	s	INDUCTOR, CHIP 15NH (1005)
*c	1-414-841-21	s	INDUCTOR, CHIP 12NH (1005)
*e	1-414-840-21	s	INDUCTOR, CHIP 10NH (1005)
L501 *a	1-414-846-21	s	INDUCTOR, CHIP 33NH (1005)
*b*d	1-414-845-21	s	INDUCTOR, CHIP 27NH (1005)
*c	1-414-844-21	s	INDUCTOR, CHIP 22NH (1005)
*e	1-414-843-21	s	INDUCTOR, CHIP 18NH (1005)
L502 *a	1-414-846-21	s	INDUCTOR, CHIP 33NH (1005)
*b*d	1-414-845-21	s	INDUCTOR, CHIP 27NH (1005)
*c	1-414-844-21	s	INDUCTOR, CHIP 22NH (1005)
*e	1-414-843-21	s	INDUCTOR, CHIP 18NH (1005)
L503			
*a*b*d	1-414-842-21	s	INDUCTOR, CHIP 15NH (1005)
*c	1-414-841-21	s	INDUCTOR, CHIP 12NH (1005)
*e	1-414-840-21	s	INDUCTOR, CHIP 10NH (1005)
L504	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L505 *a	1-414-846-21	s	INDUCTOR, CHIP 33NH (1005)
*b*c*d	1-414-843-21	s	INDUCTOR, CHIP 18NH (1005)
*e	1-414-842-21	s	INDUCTOR, CHIP 15NH (1005)
L506 *a	1-414-841-21	s	INDUCTOR, CHIP 12NH (1005)
*b*d	1-414-840-21	s	INDUCTOR, CHIP 10NH (1005)
*c*e	1-414-839-21	s	INDUCTOR, CHIP 8.2NH (1005)
L507 *a	1-414-841-21	s	INDUCTOR, CHIP 12NH (1005)
*b*d	1-414-840-21	s	INDUCTOR, CHIP 10NH (1005)
*c*e	1-414-839-21	s	INDUCTOR, CHIP 8.2NH (1005)
L508 *a	1-414-843-21	s	INDUCTOR, CHIP 18NH (1005)
*b*d	1-414-842-21	s	INDUCTOR, CHIP 15NH (1005)
*c	1-414-841-21	s	INDUCTOR, CHIP 12NH (1005)
*e	1-414-840-21	s	INDUCTOR, CHIP 10NH (1005)
L509	1-400-867-21	s	INDUCTOR, CHIP 120NH (1006)
L510	1-400-867-21	s	INDUCTOR, CHIP 120NH (1006)
L511	1-400-867-21	s	INDUCTOR, CHIP 120NH (1006)

(TUN-19 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
L512	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L513	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L514	1-414-846-21	s	INDUCTOR, CHIP 33NH (1005)
L515	1-469-188-21	s	INDUCTOR, CHIP 82NH (1005)
L516	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L517	1-469-356-21	s	INDUCTOR, CHIP 120NH (1005)
L518	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L519	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L520	1-469-187-21	s	INDUCTOR, CHIP 68NH (1005)
L600			
*a*b*d	1-414-842-21	s	INDUCTOR, CHIP 15NH (1005)
*c	1-414-841-21	s	INDUCTOR, CHIP 12NH (1005)
*e	1-414-840-21	s	INDUCTOR, CHIP 10NH (1005)
L601 *a	1-414-846-21	s	INDUCTOR, CHIP 33NH (1005)
*b*d	1-414-845-21	s	INDUCTOR, CHIP 27NH (1005)
*c	1-414-844-21	s	INDUCTOR, CHIP 22NH (1005)
*e	1-414-843-21	s	INDUCTOR, CHIP 18NH (1005)
L602 *a	1-414-846-21	s	INDUCTOR, CHIP 33NH (1005)
*b*d	1-414-845-21	s	INDUCTOR, CHIP 27NH (1005)
*c	1-414-844-21	s	INDUCTOR, CHIP 22NH (1005)
*e	1-414-843-21	s	INDUCTOR, CHIP 18NH (1005)
L603			
*a*b*d	1-414-842-21	s	INDUCTOR, CHIP 15NH (1005)
*c	1-414-841-21	s	INDUCTOR, CHIP 12NH (1005)
*e	1-414-840-21	s	INDUCTOR, CHIP 10NH (1005)
L604	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L605 *a	1-414-846-21	s	INDUCTOR, CHIP 33NH (1005)
*b*c*d	1-414-843-21	s	INDUCTOR, CHIP 18NH (1005)
*e	1-414-842-21	s	INDUCTOR, CHIP 15NH (1005)
L606 *a	1-414-841-21	s	INDUCTOR, CHIP 12NH (1005)
*b*d	1-414-840-21	s	INDUCTOR, CHIP 10NH (1005)
*c*e	1-414-839-21	s	INDUCTOR, CHIP 8.2NH (1005)
L607 *a	1-414-841-21	s	INDUCTOR, CHIP 12NH (1005)
*b*d	1-414-840-21	s	INDUCTOR, CHIP 10NH (1005)
*c*e	1-414-839-21	s	INDUCTOR, CHIP 8.2NH (1005)
L608 *a	1-414-843-21	s	INDUCTOR, CHIP 18NH (1005)
*b*d	1-414-842-21	s	INDUCTOR, CHIP 15NH (1005)
*c	1-414-841-21	s	INDUCTOR, CHIP 12NH (1005)
*e	1-414-840-21	s	INDUCTOR, CHIP 10NH (1005)
L609	1-400-867-21	s	INDUCTOR, CHIP 120NH (1006)
L610	1-400-867-21	s	INDUCTOR, CHIP 120NH (1006)
L611	1-400-867-21	s	INDUCTOR, CHIP 120NH (1006)
L612	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L613	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L614	1-414-846-21	s	INDUCTOR, CHIP 33NH (1005)
L615	1-469-188-21	s	INDUCTOR, CHIP 82NH (1005)
L616	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L617	1-469-356-21	s	INDUCTOR, CHIP 120NH (1005)
L618	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L619	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L620	1-469-187-21	s	INDUCTOR, CHIP 68NH (1005)
L700			
*a*b*c*d	1-414-841-21	s	INDUCTOR, CHIP 12NH (1005)
*e	1-414-840-21	s	INDUCTOR, CHIP 10NH (1005)
L701			
*a*b*c*d	1-414-841-21	s	INDUCTOR, CHIP 12NH (1005)
*e	1-414-840-21	s	INDUCTOR, CHIP 10NH (1005)
L702	1-400-134-21	s	INDUCTOR, CHIP 56NH (1005)
L703	1-414-845-21	s	INDUCTOR, CHIP 27NH (1005)
L704	1-414-846-21	s	INDUCTOR, CHIP 33NH (1005)
L705	1-414-846-21	s	INDUCTOR, CHIP 33NH (1005)
L706	1-469-356-21	s	INDUCTOR, CHIP 120NH (1005)
L707	1-469-187-21	s	INDUCTOR, CHIP 68NH (1005)

(TUN-19 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
L800	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
L850	1-469-189-21	s	INDUCTOR, CHIP 100NH (1005)
Q001	6-552-456-01	s	TR NE3508M04-T2-A
Q002	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q003	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q004	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q005	6-552-624-01	s	TR SI2301CDS-T1-GE3
Q006	6-552-624-01	s	TR SI2301CDS-T1-GE3
Q007	6-552-624-01	s	TR SI2301CDS-T1-GE3
Q008	6-552-456-01	s	TR NE3508M04-T2-A
Q009	6-552-456-01	s	TR NE3508M04-T2-A
Q010	6-552-456-01	s	TR NE3508M04-T2-A
Q101	6-552-456-01	s	TR NE3508M04-T2-A
Q102	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q103	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q104	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q105	6-552-624-01	s	TR SI2301CDS-T1-GE3
Q106	6-552-624-01	s	TR SI2301CDS-T1-GE3
Q107	6-552-624-01	s	TR SI2301CDS-T1-GE3
Q108	6-552-456-01	s	TR NE3508M04-T2-A
Q109	6-552-456-01	s	TR NE3508M04-T2-A
Q110	6-552-456-01	s	TR NE3508M04-T2-A
Q200	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q201	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q202	6-551-954-01	s	TR 3SK318YB-TL-E
Q203	6-552-452-01	s	TR DSC9001R0L
Q300	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q301	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q302	6-551-954-01	s	TR 3SK318YB-TL-E
Q303	6-552-452-01	s	TR DSC9001R0L
Q400	8-729-033-13	s	TRANSISTOR 2SC4726-TLPQ
Q401	8-729-033-13	s	TRANSISTOR 2SC4726-TLPQ
Q402	8-729-117-75	s	TRANSISTOR 2SC4178-T1F13
Q500	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q501	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q502	6-551-954-01	s	TR 3SK318YB-TL-E
Q503	6-552-452-01	s	TR DSC9001R0L
Q600	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q601	8-729-929-09	s	TRANSISTOR DTC123JE-TL
Q602	6-551-954-01	s	TR 3SK318YB-TL-E
Q603	6-552-452-01	s	TR DSC9001R0L
Q700	8-729-033-13	s	TRANSISTOR 2SC4726-TLPQ
Q701	8-729-033-13	s	TRANSISTOR 2SC4726-TLPQ
Q702	8-729-117-75	s	TRANSISTOR 2SC4178-T1F13
Q800	8-729-927-99	s	TRANSISTOR 2SC4617TL-QR
Q801	8-729-927-99	s	TRANSISTOR 2SC4617TL-QR
Q802	8-729-927-99	s	TRANSISTOR 2SC4617TL-QR
Q803	8-729-927-99	s	TRANSISTOR 2SC4617TL-QR
Q850	8-729-927-99	s	TRANSISTOR 2SC4617TL-QR
Q851	8-729-927-99	s	TRANSISTOR 2SC4617TL-QR
Q852	8-729-927-99	s	TRANSISTOR 2SC4617TL-QR
Q853	8-729-927-99	s	TRANSISTOR 2SC4617TL-QR
R001	1-220-882-81	s	RES, CHIP 33 (1005)
R003	1-218-985-11	s	RES, CHIP 470K (1005)
R004	1-220-878-81	s	RES, CHIP 22 (1005)
R005 *a	1-220-878-81	s	RES, CHIP 22 (1005)
*b*c*d*e	1-220-880-81	s	RES, CHIP 27 (1005)
R006	1-220-874-81	s	RES, CHIP 15 (1005)

(TUN-19 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R007	1-220-880-81	s	RES, CHIP 27 (1005)
R008	1-208-863-81	s	RES, CHIP 100 (1005)
R009	1-220-884-81	s	RES, CHIP 39 (1005)
R010	1-220-874-81	s	RES, CHIP 15 (1005)
R011	1-220-880-81	s	RES, CHIP 27 (1005)
R013	1-218-985-11	s	RES, CHIP 470K (1005)
R014	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R015 *a	1-208-861-81	s	RES, CHIP 82 (1005)
*b*d	1-208-863-81	s	RES, CHIP 100 (1005)
*c*e	1-208-865-81	s	RES, CHIP 120 (1005)
R016	1-244-161-81	s	RES, CHIP 2.2 (1005)
R017	1-220-870-81	s	RES, CHIP 10 (1005)
R018	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R022 *a	1-220-874-81	s	RES, CHIP 15 (1005)
*b*c*d*e	1-220-870-81	s	RES, CHIP 10 (1005)
R023 *a	1-208-861-81	s	RES, CHIP 82 (1005)
*b*c*d*e	1-208-867-81	s	RES, CHIP 150 (1005)
R024 *a	1-220-874-81	s	RES, CHIP 15 (1005)
*b*c*d*e	1-220-870-81	s	RES, CHIP 10 (1005)
R026	1-218-985-11	s	RES, CHIP 470K (1005)
R027	1-208-935-81	s	RES, CHIP 100K (1005)
R028	1-208-935-81	s	RES, CHIP 100K (1005)
R029	1-208-935-81	s	RES, CHIP 100K (1005)
R030	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R031	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R032	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R033 *a	1-208-861-81	s	RES, CHIP 82 (1005)
*b*d	1-208-863-81	s	RES, CHIP 100 (1005)
*c*e	1-208-865-81	s	RES, CHIP 120 (1005)
R034	1-244-161-81	s	RES, CHIP 2.2 (1005)
R035	1-220-870-81	s	RES, CHIP 10 (1005)
R036 *a	1-208-861-81	s	RES, CHIP 82 (1005)
*b*d	1-208-863-81	s	RES, CHIP 100 (1005)
*c*e	1-208-865-81	s	RES, CHIP 120 (1005)
R037	1-244-161-81	s	RES, CHIP 2.2 (1005)
R038	1-220-870-81	s	RES, CHIP 10 (1005)
R039 *a	1-208-861-81	s	RES, CHIP 82 (1005)
*b*d	1-208-863-81	s	RES, CHIP 100 (1005)
*c*e	1-208-865-81	s	RES, CHIP 120 (1005)
R040	1-244-161-81	s	RES, CHIP 2.2 (1005)
R041	1-220-870-81	s	RES, CHIP 10 (1005)
R042	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R043	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R044	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R046	1-218-985-11	s	RES, CHIP 470K (1005)
R047	1-208-863-81	s	RES, CHIP 100 (1005)
R048	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R049	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R050	1-208-863-81	s	RES, CHIP 100 (1005)
R051	1-220-874-81	s	RES, CHIP 15 (1005)
R052	1-220-874-81	s	RES, CHIP 15 (1005)
R053	1-208-861-81	s	RES, CHIP 82 (1005)
R054	1-220-874-81	s	RES, CHIP 15 (1005)
R055	1-220-874-81	s	RES, CHIP 15 (1005)
R056	1-208-861-81	s	RES, CHIP 82 (1005)
R057	1-220-874-81	s	RES, CHIP 15 (1005)
R058	1-220-874-81	s	RES, CHIP 15 (1005)
R059	1-208-861-81	s	RES, CHIP 82 (1005)
R101	1-220-882-81	s	RES, CHIP 33 (1005)
R103	1-218-985-11	s	RES, CHIP 470K (1005)
R104	1-220-878-81	s	RES, CHIP 22 (1005)

(TUN-19 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R105 *a	1-220-878-81	s	RES, CHIP 22 (1005)
*b*c*d*e	1-220-880-81	s	RES, CHIP 27 (1005)
R106	1-220-874-81	s	RES, CHIP 15 (1005)
R107	1-220-880-81	s	RES, CHIP 27 (1005)
R108	1-208-863-81	s	RES, CHIP 100 (1005)
R109	1-220-884-81	s	RES, CHIP 39 (1005)
R110	1-220-874-81	s	RES, CHIP 15 (1005)
R111	1-220-880-81	s	RES, CHIP 27 (1005)
R113	1-218-985-11	s	RES, CHIP 470K (1005)
R114	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R115 *a	1-208-861-81	s	RES, CHIP 82 (1005)
*b*d	1-208-863-81	s	RES, CHIP 100 (1005)
*c*e	1-208-865-81	s	RES, CHIP 120 (1005)
R116	1-244-161-81	s	RES, CHIP 2.2 (1005)
R117	1-220-870-81	s	RES, CHIP 10 (1005)
R118	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R122 *a	1-220-874-81	s	RES, CHIP 15 (1005)
*b*c*d*e	1-220-870-81	s	RES, CHIP 10 (1005)
R123 *a	1-208-861-81	s	RES, CHIP 82 (1005)
*b*c*d*e	1-208-867-81	s	RES, CHIP 150 (1005)
R124 *a	1-220-874-81	s	RES, CHIP 15 (1005)
*b*c*d*e	1-220-870-81	s	RES, CHIP 10 (1005)
R126	1-218-985-11	s	RES, CHIP 470K (1005)
R127	1-208-935-81	s	RES, CHIP 100K (1005)
R128	1-208-935-81	s	RES, CHIP 100K (1005)
R129	1-208-935-81	s	RES, CHIP 100K (1005)
R130	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R131	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R132	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R133 *a	1-208-861-81	s	RES, CHIP 82 (1005)
*b*d	1-208-863-81	s	RES, CHIP 100 (1005)
*c*e	1-208-865-81	s	RES, CHIP 120 (1005)
R134	1-244-161-81	s	RES, CHIP 2.2 (1005)
R135	1-220-870-81	s	RES, CHIP 10 (1005)
R136 *a	1-208-861-81	s	RES, CHIP 82 (1005)
*b*d	1-208-863-81	s	RES, CHIP 100 (1005)
*c*e	1-208-865-81	s	RES, CHIP 120 (1005)
R137	1-244-161-81	s	RES, CHIP 2.2 (1005)
R138	1-220-870-81	s	RES, CHIP 10 (1005)
R139 *a	1-208-861-81	s	RES, CHIP 82 (1005)
*b*d	1-208-863-81	s	RES, CHIP 100 (1005)
*c*e	1-208-865-81	s	RES, CHIP 120 (1005)
R140	1-244-161-81	s	RES, CHIP 2.2 (1005)
R141	1-220-870-81	s	RES, CHIP 10 (1005)
R142	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R143	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R144	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R146	1-218-985-11	s	RES, CHIP 470K (1005)
R147	1-208-863-81	s	RES, CHIP 100 (1005)
R148	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R149	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R150	1-208-863-81	s	RES, CHIP 100 (1005)
R151	1-220-874-81	s	RES, CHIP 15 (1005)
R152	1-220-874-81	s	RES, CHIP 15 (1005)
R153	1-208-861-81	s	RES, CHIP 82 (1005)
R154	1-220-874-81	s	RES, CHIP 15 (1005)
R155	1-220-874-81	s	RES, CHIP 15 (1005)
R156	1-208-861-81	s	RES, CHIP 82 (1005)
R157	1-220-874-81	s	RES, CHIP 15 (1005)
R158	1-220-874-81	s	RES, CHIP 15 (1005)
R159	1-208-861-81	s	RES, CHIP 82 (1005)

(TUN-19 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R200	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R201	1-220-870-81	s	RES, CHIP 10 (1005)
R202	1-208-867-81	s	RES, CHIP 150 (1005)
R203	1-220-870-81	s	RES, CHIP 10 (1005)
R204	1-220-870-81	s	RES, CHIP 10 (1005)
R205	1-208-887-81	s	RES, CHIP 1.0K (1005)
R206	1-220-870-81	s	RES, CHIP 10 (1005)
R207	1-208-929-81	s	RES, CHIP 56K (1005)
R208	1-208-927-81	s	RES, CHIP 47K (1005)
R209	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R210	1-208-927-81	s	RES, CHIP 47K (1005)
R211	1-208-721-11	s	RES, CHIP 39K (1005)
R212	1-220-870-81	s	RES, CHIP 10 (1005)
R213	1-208-879-81	s	RES, CHIP 470 (1005)
R214	1-220-870-81	s	RES, CHIP 10 (1005)
R215	1-208-671-11	s	RES, CHIP 330 (1005)
R216	1-208-671-11	s	RES, CHIP 330 (1005)
R217	1-220-870-81	s	RES, CHIP 10 (1005)
R219	1-218-948-11	s	RES, CHIP 390 (1005)
R220	1-220-870-81	s	RES, CHIP 10 (1005)
R221	1-208-909-81	s	RES, CHIP 8.2K (1005)
R222	1-208-903-81	s	RES, CHIP 4.7K (1005)
R223	1-208-671-11	s	RES, CHIP 330 (1005)
R224	1-220-870-81	s	RES, CHIP 10 (1005)
R225	1-208-863-81	s	RES, CHIP 100 (1005)
R226	1-208-863-81	s	RES, CHIP 100 (1005)
R227	1-208-907-81	s	RES, CHIP 6.8K (1005)
R228	1-220-870-81	s	RES, CHIP 10 (1005)
R229	1-208-901-81	s	RES, CHIP 3.9K (1005)
R230	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R300	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R301	1-220-870-81	s	RES, CHIP 10 (1005)
R302	1-208-867-81	s	RES, CHIP 150 (1005)
R303	1-220-870-81	s	RES, CHIP 10 (1005)
R304	1-220-870-81	s	RES, CHIP 10 (1005)
R305	1-208-887-81	s	RES, CHIP 1.0K (1005)
R306	1-220-870-81	s	RES, CHIP 10 (1005)
R307	1-208-929-81	s	RES, CHIP 56K (1005)
R308	1-208-927-81	s	RES, CHIP 47K (1005)
R309	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R310	1-208-927-81	s	RES, CHIP 47K (1005)
R311	1-208-721-11	s	RES, CHIP 39K (1005)
R312	1-220-870-81	s	RES, CHIP 10 (1005)
R313	1-208-879-81	s	RES, CHIP 470 (1005)
R314	1-220-870-81	s	RES, CHIP 10 (1005)
R315	1-208-671-11	s	RES, CHIP 330 (1005)
R316	1-208-671-11	s	RES, CHIP 330 (1005)
R317	1-220-870-81	s	RES, CHIP 10 (1005)
R319	1-218-948-11	s	RES, CHIP 390 (1005)
R320	1-220-870-81	s	RES, CHIP 10 (1005)
R321	1-208-909-81	s	RES, CHIP 8.2K (1005)
R322	1-208-903-81	s	RES, CHIP 4.7K (1005)
R323	1-208-671-11	s	RES, CHIP 330 (1005)
R324	1-220-870-81	s	RES, CHIP 10 (1005)
R325	1-208-863-81	s	RES, CHIP 100 (1005)
R326	1-208-863-81	s	RES, CHIP 100 (1005)
R327	1-208-907-81	s	RES, CHIP 6.8K (1005)
R328	1-220-870-81	s	RES, CHIP 10 (1005)
R329	1-208-901-81	s	RES, CHIP 3.9K (1005)

(TUN-19 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R330	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R400	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R401	1-208-863-81	s	RES, CHIP 100 (1005)
R402	1-208-863-81	s	RES, CHIP 100 (1005)
R403	1-218-970-11	s	RES, CHIP 27K (1005)
R404	1-208-943-81	s	RES, CHIP 220K (1005)
R405	1-218-948-11	s	RES, CHIP 390 (1005)
R406	1-220-878-81	s	RES, CHIP 22 (1005)
R407	1-208-935-81	s	RES, CHIP 100K (1005)
R408	1-220-878-81	s	RES, CHIP 22 (1005)
R409	1-208-943-81	s	RES, CHIP 220K (1005)
R410	1-208-881-81	s	RES, CHIP 560 (1005)
R411	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R412	1-208-901-81	s	RES, CHIP 3.9K (1005)
R413	1-208-889-81	s	RES, CHIP 1.2K (1005)
R414	1-208-897-81	s	RES, CHIP 2.7K (1005)
R415	1-208-895-81	s	RES, CHIP 2.2K (1005)
R416	1-208-859-81	s	RES, CHIP 68 (1005)
R417	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R419	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R420	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R423	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R426	1-220-870-81	s	RES, CHIP 10 (1005)
R427	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R428	1-208-935-81	s	RES, CHIP 100K (1005)
R429	1-208-863-81	s	RES, CHIP 100 (1005)
R430	1-208-907-81	s	RES, CHIP 6.8K (1005)
R431	1-208-903-81	s	RES, CHIP 4.7K (1005)
R432	1-208-865-81	s	RES, CHIP 120 (1005)
R433	1-218-937-81	s	RES, CHIP 47
R500	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R501	1-220-870-81	s	RES, CHIP 10 (1005)
R502	1-208-867-81	s	RES, CHIP 150 (1005)
R503	1-220-870-81	s	RES, CHIP 10 (1005)
R504	1-220-870-81	s	RES, CHIP 10 (1005)
R505	1-208-887-81	s	RES, CHIP 1.0K (1005)
R506	1-220-870-81	s	RES, CHIP 10 (1005)
R507	1-208-929-81	s	RES, CHIP 56K (1005)
R508	1-208-927-81	s	RES, CHIP 47K (1005)
R509	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R510	1-208-927-81	s	RES, CHIP 47K (1005)
R511	1-208-721-11	s	RES, CHIP 39K (1005)
R512	1-220-870-81	s	RES, CHIP 10 (1005)
R513	1-208-879-81	s	RES, CHIP 470 (1005)
R514	1-220-870-81	s	RES, CHIP 10 (1005)
R515	1-208-671-11	s	RES, CHIP 330 (1005)
R516	1-208-671-11	s	RES, CHIP 330 (1005)
R517	1-220-870-81	s	RES, CHIP 10 (1005)
R519	1-218-948-11	s	RES, CHIP 390 (1005)
R520	1-220-870-81	s	RES, CHIP 10 (1005)
R521	1-208-909-81	s	RES, CHIP 8.2K (1005)
R522	1-208-903-81	s	RES, CHIP 4.7K (1005)
R523	1-208-671-11	s	RES, CHIP 330 (1005)
R524	1-220-870-81	s	RES, CHIP 10 (1005)
R525	1-208-863-81	s	RES, CHIP 100 (1005)
R526	1-208-863-81	s	RES, CHIP 100 (1005)
R527	1-208-907-81	s	RES, CHIP 6.8K (1005)
R528	1-220-870-81	s	RES, CHIP 10 (1005)
R529	1-208-901-81	s	RES, CHIP 3.9K (1005)

(TUN-19 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R530	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R600	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R601	1-220-870-81	s	RES, CHIP 10 (1005)
R602	1-208-867-81	s	RES, CHIP 150 (1005)
R603	1-220-870-81	s	RES, CHIP 10 (1005)
R604	1-220-870-81	s	RES, CHIP 10 (1005)
R605	1-208-887-81	s	RES, CHIP 1.0K (1005)
R606	1-220-870-81	s	RES, CHIP 10 (1005)
R607	1-208-929-81	s	RES, CHIP 56K (1005)
R608	1-208-927-81	s	RES, CHIP 47K (1005)
R609	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R610	1-208-927-81	s	RES, CHIP 47K (1005)
R611	1-208-721-11	s	RES, CHIP 39K (1005)
R612	1-220-870-81	s	RES, CHIP 10 (1005)
R613	1-208-879-81	s	RES, CHIP 470 (1005)
R614	1-220-870-81	s	RES, CHIP 10 (1005)
R615	1-208-671-11	s	RES, CHIP 330 (1005)
R616	1-208-671-11	s	RES, CHIP 330 (1005)
R617	1-220-870-81	s	RES, CHIP 10 (1005)
R619	1-218-948-11	s	RES, CHIP 390 (1005)
R620	1-220-870-81	s	RES, CHIP 10 (1005)
R621	1-208-909-81	s	RES, CHIP 8.2K (1005)
R622	1-208-903-81	s	RES, CHIP 4.7K (1005)
R623	1-208-671-11	s	RES, CHIP 330 (1005)
R624	1-220-870-81	s	RES, CHIP 10 (1005)
R625	1-208-863-81	s	RES, CHIP 100 (1005)
R626	1-208-863-81	s	RES, CHIP 100 (1005)
R627	1-208-907-81	s	RES, CHIP 6.8K (1005)
R628	1-220-870-81	s	RES, CHIP 10 (1005)
R629	1-208-901-81	s	RES, CHIP 3.9K (1005)
R630	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R700	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R701	1-208-863-81	s	RES, CHIP 100 (1005)
R702	1-208-863-81	s	RES, CHIP 100 (1005)
R703	1-218-970-11	s	RES, CHIP 27K (1005)
R704	1-208-943-81	s	RES, CHIP 220K (1005)
R705	1-218-948-11	s	RES, CHIP 390 (1005)
R706	1-220-878-81	s	RES, CHIP 22 (1005)
R707	1-208-935-81	s	RES, CHIP 100K (1005)
R708	1-220-878-81	s	RES, CHIP 22 (1005)
R709	1-208-943-81	s	RES, CHIP 220K (1005)
R710	1-208-881-81	s	RES, CHIP 560 (1005)
R711	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R712	1-208-901-81	s	RES, CHIP 3.9K (1005)
R713	1-208-889-81	s	RES, CHIP 1.2K (1005)
R714	1-208-897-81	s	RES, CHIP 2.7K (1005)
R715	1-208-895-81	s	RES, CHIP 2.2K (1005)
R716	1-208-859-81	s	RES, CHIP 68 (1005)
R717	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)
R723	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R726	1-220-870-81	s	RES, CHIP 10 (1005)
R727	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R728	1-208-935-81	s	RES, CHIP 100K (1005)
R729	1-208-863-81	s	RES, CHIP 100 (1005)
R730	1-208-907-81	s	RES, CHIP 6.8K (1005)
R731	1-208-903-81	s	RES, CHIP 4.7K (1005)
R732	1-218-937-81	s	RES, CHIP 47

(TUN-19 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R733	1-218-937-81	s	RES, CHIP 47
R800	1-208-671-11	s	RES, CHIP 330 (1005)
R801	1-208-671-11	s	RES, CHIP 330 (1005)
R802	1-208-671-11	s	RES, CHIP 330 (1005)
R803	1-208-671-11	s	RES, CHIP 330 (1005)
R804	1-208-897-81	s	RES, CHIP 2.7K (1005)
R805	1-208-897-81	s	RES, CHIP 2.7K (1005)
R806	1-208-897-81	s	RES, CHIP 2.7K (1005)
R807	1-208-897-81	s	RES, CHIP 2.7K (1005)
R808	1-208-893-81	s	RES, CHIP 1.8K (1005)
R809	1-208-893-81	s	RES, CHIP 1.8K (1005)
R810	1-208-893-81	s	RES, CHIP 1.8K (1005)
R811	1-208-893-81	s	RES, CHIP 1.8K (1005)
R812	1-208-887-81	s	RES, CHIP 1.0K (1005)
R813	1-208-887-81	s	RES, CHIP 1.0K (1005)
R814	1-208-887-81	s	RES, CHIP 1.0K (1005)
R815	1-208-887-81	s	RES, CHIP 1.0K (1005)
R816	1-208-911-81	s	RES, CHIP 10K (1005)
R817	1-208-895-81	s	RES, CHIP 2.2K (1005)
R818	1-208-911-81	s	RES, CHIP 10K (1005)
R819	1-208-895-81	s	RES, CHIP 2.2K (1005)
R820	1-208-911-81	s	RES, CHIP 10K (1005)
R821	1-208-895-81	s	RES, CHIP 2.2K (1005)
R822	1-208-911-81	s	RES, CHIP 10K (1005)
R823	1-208-895-81	s	RES, CHIP 2.2K (1005)
R824	1-220-870-81	s	RES, CHIP 10 (1005)
R825	1-218-970-11	s	RES, CHIP 27K (1005)
R826	1-208-913-81	s	RES, CHIP 12K (1005)
R827	1-208-935-81	s	RES, CHIP 100K (1005)
R828	1-208-935-81	s	RES, CHIP 100K (1005)
R829	1-208-935-81	s	RES, CHIP 100K (1005)
R830	1-220-870-81	s	RES, CHIP 10 (1005)
R831	1-208-855-81	s	RES, CHIP 47 (1005)
R833	1-208-855-81	s	RES, CHIP 47 (1005)
R834	1-208-855-81	s	RES, CHIP 47 (1005)
R835	1-208-855-81	s	RES, CHIP 47 (1005)
R836	1-208-855-81	s	RES, CHIP 47 (1005)
R837	1-208-855-81	s	RES, CHIP 47 (1005)
R838	1-208-855-81	s	RES, CHIP 47 (1005)
R839	1-208-855-81	s	RES, CHIP 47 (1005)
R840	1-208-855-81	s	RES, CHIP 47 (1005)
R841	1-208-855-81	s	RES, CHIP 47 (1005)
R842	1-208-855-81	s	RES, CHIP 47 (1005)
R843	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R844	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R845	1-208-935-81	s	RES, CHIP 100K (1005)
R846	1-208-935-81	s	RES, CHIP 100K (1005)
R847	1-208-855-81	s	RES, CHIP 47 (1005)
R848	1-208-855-81	s	RES, CHIP 47 (1005)
R850	1-208-671-11	s	RES, CHIP 330 (1005)
R851	1-208-671-11	s	RES, CHIP 330 (1005)
R852	1-208-671-11	s	RES, CHIP 330 (1005)
R853	1-208-671-11	s	RES, CHIP 330 (1005)
R854	1-208-897-81	s	RES, CHIP 2.7K (1005)
R855	1-208-897-81	s	RES, CHIP 2.7K (1005)
R856	1-208-897-81	s	RES, CHIP 2.7K (1005)
R857	1-208-897-81	s	RES, CHIP 2.7K (1005)
R858	1-208-893-81	s	RES, CHIP 1.8K (1005)
R859	1-208-893-81	s	RES, CHIP 1.8K (1005)

(TUN-19 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R860	1-208-893-81	s	RES, CHIP 1.8K (1005)
R861	1-208-893-81	s	RES, CHIP 1.8K (1005)
R862	1-208-887-81	s	RES, CHIP 1.0K (1005)
R863	1-208-887-81	s	RES, CHIP 1.0K (1005)
R864	1-208-887-81	s	RES, CHIP 1.0K (1005)
R865	1-208-887-81	s	RES, CHIP 1.0K (1005)
R866	1-208-911-81	s	RES, CHIP 10K (1005)
R867	1-208-895-81	s	RES, CHIP 2.2K (1005)
R868	1-208-911-81	s	RES, CHIP 10K (1005)
R869	1-208-895-81	s	RES, CHIP 2.2K (1005)
R870	1-208-911-81	s	RES, CHIP 10K (1005)
R871	1-208-895-81	s	RES, CHIP 2.2K (1005)
R872	1-208-911-81	s	RES, CHIP 10K (1005)
R873	1-208-895-81	s	RES, CHIP 2.2K (1005)
R874	1-220-870-81	s	RES, CHIP 10 (1005)
R875	1-218-970-11	s	RES, CHIP 27K (1005)
R876	1-208-913-81	s	RES, CHIP 12K (1005)
R877	1-208-935-81	s	RES, CHIP 100K (1005)
R878	1-208-935-81	s	RES, CHIP 100K (1005)
R879	1-208-935-81	s	RES, CHIP 100K (1005)
R880	1-220-870-81	s	RES, CHIP 10 (1005)
R881	1-208-855-81	s	RES, CHIP 47 (1005)
R883	1-208-855-81	s	RES, CHIP 47 (1005)
R884	1-208-855-81	s	RES, CHIP 47 (1005)
R885	1-208-855-81	s	RES, CHIP 47 (1005)
R886	1-208-855-81	s	RES, CHIP 47 (1005)
R887	1-208-855-81	s	RES, CHIP 47 (1005)
R888	1-208-855-81	s	RES, CHIP 47 (1005)
R889	1-208-855-81	s	RES, CHIP 47 (1005)
R890	1-208-855-81	s	RES, CHIP 47 (1005)
R891	1-208-855-81	s	RES, CHIP 47 (1005)
R892	1-208-855-81	s	RES, CHIP 47 (1005)
R893	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R894	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R895	1-208-935-81	s	RES, CHIP 100K (1005)
R896	1-208-935-81	s	RES, CHIP 100K (1005)
R897	1-208-855-81	s	RES, CHIP 47 (1005)
R898	1-208-855-81	s	RES, CHIP 47 (1005)
R900	1-208-855-81	s	RES, CHIP 47 (1005)
R901	1-208-855-81	s	RES, CHIP 47 (1005)
R902	1-208-855-81	s	RES, CHIP 47 (1005)
R903	1-208-855-81	s	RES, CHIP 47 (1005)
R904	1-208-855-81	s	RES, CHIP 47 (1005)
R905	1-208-855-81	s	RES, CHIP 47 (1005)
R906	1-218-990-81	s	CONDUCTOR, CHIP (1005)
R907	1-208-903-81	s	RES, CHIP 4.7K (1005)
R908	1-208-935-81	s	RES, CHIP 100K (1005)
R909	1-208-935-81	s	RES, CHIP 100K (1005)
R910	1-208-935-81	s	RES, CHIP 100K (1005)
R911	1-208-935-81	s	RES, CHIP 100K (1005)
R912	1-208-935-81	s	RES, CHIP 100K (1005)
R913	1-208-935-81	s	RES, CHIP 100K (1005)
SWF200	1-795-840-21	s	FILTER, SAW
SWF201	1-795-840-21	s	FILTER, SAW
SWF300	1-795-840-21	s	FILTER, SAW
SWF301	1-795-840-21	s	FILTER, SAW
SWF500	1-795-840-21	s	FILTER, SAW
SWF501	1-795-840-21	s	FILTER, SAW

(TUN-19 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
SWF600	1-795-840-21	s	FILTER, SAW
SWF601	1-795-840-21	s	FILTER, SAW
TP400	1-780-148-11	s	CLIP, SHIELD
TP401	1-780-148-11	s	CLIP, SHIELD
TP402	1-780-148-11	s	CLIP, SHIELD
TP700	1-780-148-11	s	CLIP, SHIELD
TP701	1-780-148-11	s	CLIP, SHIELD
TP702	1-780-148-11	s	CLIP, SHIELD
TP801	1-780-925-11	s	TERMINAL, LUG
TP802	1-780-925-11	s	TERMINAL, LUG
TP803	1-780-925-11	s	TERMINAL, LUG
TP804	1-780-925-11	s	TERMINAL, LUG
TP901	1-780-925-11	s	TERMINAL, LUG
TP902	1-780-925-11	s	TERMINAL, LUG
X400 *a	1-814-391-11	s	OSCILLATOR (VCO)
*b*d	1-814-123-11	s	OSCILLATOR (VCO)
*c	1-814-124-11	s	OSCILLATOR (VCO)
*e	1-814-498-11	s	OSCILLATOR (VCO)
X401	1-814-138-11	s	OSCILLATOR, CRYSTAL (TCXO)
X700 *a	1-814-391-11	s	OSCILLATOR (VCO)
*b*d	1-814-123-11	s	OSCILLATOR (VCO)
*c	1-814-124-11	s	OSCILLATOR (VCO)
*e	1-814-498-11	s	OSCILLATOR (VCO)
X701	1-814-138-11	s	OSCILLATOR, CRYSTAL (TCXO)

3-4. Packing Materials & Supplied Accessories

PACKING MATERIALS & SUPPLIED ACCESSORIES

Ref. No. or Q'ty	Part No.	SP	Description
2pcs	1-501-952-22	s	ANTENNA
1pc	⚠ 1-551-631-22	s	CORD, POWER (For CE)
1pc	⚠ 1-551-812-11	s	CORD, POWER (For UC)
2pcs	1-794-601-21	s	CONNECTOR, COAXIAL(RECEPTACLE)
4pcs	2-347-522-01	s	FOOT
1pc	4-187-536-06	s	CD-ROM(CONTROL SOFT) USER'S GUIDE(PDF) (JAPANESE, ENGLISH, FRENCH, GERMAN, ITALIAN, SPANISH)
1pc	⚠ 4-423-975-01	s	MANUAL, INSTRUCTION (ENGLISH)
1pc	⚠ 4-423-976-01	s	CD-ROM (INSTRUCTION MANUAL) MANUAL (PDF FILE), INSTRUCTION (ENGLISH, FRENCH, GERMAN, ITALIAN SPANISH)

Section 4
Block Diagrams

4-1. Circuit Description

Overview

The DWR-R01D consists of the following boards.
- MB-1191 board
- TUN-19 board
- RM-223 board
- FP-168 board
- HP-158 board
- CN-3264 board
- CN-3506 board
- CN-3508 board
- SW-1481 board (2 boards)

This unit receives radio wave transmitted from the digital wireless transmitter, demodulates signals in the internal circuit, and outputs them as analog audio signals and digital audio signals.
This unit also communicates with the digital wireless transmitter using RF signals of 2.4 GHz band for changing settings.

4-1-1. MB-1191 Board

The MB-1191 board is the main board of this unit.
It consists of the main CPU block (Ref. No. 2200 to 2299), FPGA/digital audio block (Ref. No. 2000 to 2099), analog audio block (Ref. No. 2400 to 2499, and 3200 to 3299), headphone block (Ref. No. 2600 to 2699), and power supply block (Ref. No. 2800 to 2899).

Main CPU block

This block performs the following using the main CPU (IC2202) as a core processor.
- Controls power supply unit (Ref. No. 2800 to 2899) of each block.
- Controls the display/operation section in connection with the FP-168 board through CN2202.
- Performs Ethernet communication through the LAN connector CN2201.
- Communicates with the CPU (IC3002) on the RM-223 board through CN2203.
- Controls the FPGA (IC2004) and communicates with it.
- Communicates with the EEPROM (IC901) on the TUN-19 board through CN2003 and controls the PLL (IC402, IC702) for receive frequency setting.
- Measures the unit internal temperature with the positive coefficient thermistor (THP005) for fan ON/OFF control through CN2802.

FPGA block

The RF signals processed in the TUN-19 board are input to the FPGA (IC2004) through CN2003. The RF signals are demodulated by the FPGA and are output to each audio block as digital audio signals.

Digital audio block

The digital audio signals output from the FPGA (IC2004) are output from IC2009 and IC2013 as AES/EBU signals.

Analog audio block

The digital audio signals output from the FPGA (IC2004) are converted to analog audio signals by the DAC (IC2407), and the analog audio signals are output through the amplifier. The output signals from IC2500 and IC2501 are separated, then each signal is output to BAL OUT or UNBAL OUT.

Headphone block

The digital audio signals output from the FPGA (IC2004) are converted to analog audio signals by the DAC (IC2606), and the analog audio signals are transferred to the amplifier and are then output to the HP-158 board through CN2701.

Power supply block

AC power voltages is converted to DC power voltage in switching regulator and it is input from CN2400.
DC power voltage is input from CN2804 through the CN-3506 board.
This unit takes priority to AC power voltage IC2825 detects the AC power voltage, and Q2808 and Q2809 severs DC power voltage while inputting the AC power voltage.
The power voltages input to MB-1191 board are generated and distributed as follows.

- IC2820: Step down to +8.5 V
  - → IC2807: +10.2V for OLED and FAN → IC2817: +9 V for OLED
  - → IC2804, IC2808: +9 V/+12 V for ANT
  - → IC2607, IC2608: ±15 V for audio → IC2400,IC2401: ±12 V for analog audio
  - → IC2402: +5 V for DAC
  - → IC2609: +5 V for HP_DAC
- IC2803: +3.3 V for digital circuit
  - → IC2810: +1.8 V for CPU →IC2812: +1.2 V for FPGA
  - → IC2811: +2.5 V for FPGA
- IC2806: +3.3 V for RF

4-1-2. TUN-19 Board

Multiple same circuits of this board are mounted. Reference numbers of this circuit are shown below.

- Front-end circuit
  For ANTENNA a: Ref. No. 001 to 100
  For ANTENNA b: Ref. No. 101 to 199
- For mixer circuit
  CH-1
  For ANTENNA a: Ref. No. 200 to 299
  For ANTENNA b: Ref. No. 300 to 399
  For local signals: Ref. No. 400 to 499
  CH-2
  For ANTENNA a: Ref. No. 500 to 599
  For ANTENNA b: Ref. No. 600 to 699
  For local signals: Ref. No. 700 to 799
- ADC circuit
  For CH-1: Ref. No. 850 to 899
  For CH-2: Ref. No. 800 to 849
- For other circuits: Ref. No. 900 to 999

RF signals that are input from the BNC connector (CN001) are transferred to the attenuator and the high-frequency amplifier (Q001), and are then distributed by the distributor (L024, L025) into RF signals for cascade output and RF signals for reception.
The levels of the RF signals for cascade output are adjusted by the attenuator, and then the RF signals are output from the BNC connector (CN002).
RF signals for reception are transferred to the bandpass filter (FL002), high-frequency amplifier (Q008), and the bandpass filter (FL005), and are then distributed by the distributor (L022, L023) into RF signals for CH-1 and CH-2.
The distributed CH-1 RF signal is down-converted to 243.95-MHz 1st IF signal by the 1st mixer (IC200), transferred to the SAW filter (SWF200), 1st IF amplifier (Q202), and the SAW filter (SWF201), and is then down-converted again to 10.8-MHz 2nd IF signal by the 2nd mixer (IC201).
The 10.8-MHz 2nd IF signal is transferred to the ceramic filter (CF200), 2nd IF amplifier (Q203), and the ceramic filter (CF201), and is then input to the limiter (IC201). Then the signal is transferred to the buffer amplifier (Q852, Q853), and is then converted to a digital signal by the ADC (IC850). The converted digital signal is output to the FPGA (IC2004) on the MB-1191 board.
The frequencies of the 1st local signal (receive frequency: +243.95 MHz) from the VCO (X400) and the 2nd local signal (233.15 MHz) from the discrete VCO (Q400, Q401) are controlled by the PLL (IC402).
The operational amplifier (IC202) amplifies the RSSI voltage from the limiter (IC201).
The EEPROM (IC901) that has limiter threshold value, RSSI correction value, and channel plan on the TUN-19 board performs communication with the CPU (IC2202) on the MB-1191 board.

4-1-3. RM-223 Board

The RM-223 board performs remote control that is a function of this unit.
The CPU (IC3002) on this board performs communication between the CPU (IC2202) and the transceiver (IC3003) on the MB-1191 board and control them.
The transceiver (IC3003) modulates and demodulates RF signals and sends/receives them.

4-1-4. FP-168 Board

The FP-168 board controls display and operation.
CN1701 is used as a connector for power supply, and CN1703 is used as a connector for communication and control.
The display device OLE is connected to CN1700 (for CH-1) and to CN1702 (for CH-2), and is directly controlled by and communicates with the CPU (IC2202) on the MB-1191 board.
Functions of each button are shown below.

S1700: RECEIVER button for CH-1
S1701: TRANSMITTER button for CH-1
S1702: RF REMOTE button for CH-1
S1703: ESC button for CH-1
S1704: UTILITY button
S1705: RECEIVER button for CH-2
S1706: TRANSMITTER button for CH-2
S1707: RF REMOTE button for CH-2
S1708: ESC button for CH-2

Parallel signals of these buttons are converted to serial signals by IC1700 and IC1703, and the serial signals are output to the CPU (IC2202) on the MB-1191 board.
The indicators on the FP-168 board are controlled by the control signals from the CPU (IC2202) on the MB-1191 board. The serial control signals are converted to parallel signals by IC1726 and IC1727 on the FP-168 board for control.

4-1-5. HP-158 Board

The HP-158 board consists of a headphone jack (CN1801) and a headphone volume (RV1800).

4-1-6. CN-3264 Board

The CN-3264 board consisting of connectors CN1100 and CN1101 relays RF signals from the RM-223 board.
CN1100 is a dedicated connector conforming to each international radio wave law. Therefore, its screws are screwed counterclockwise when viewed from the antenna side.

4-1-7. CN-3506 Board

The CN-3506 board consists of a filter for DC power voltage input from XLR 4P connector, and thermistor for protect from overcurrent.

4-1-8. CN-3508 Board

The CN-3508 board consists of a Word sync input connector and BNC connector for AES 2.

4-1-9. SW-1481 Board

The SW-1481 board consists of a rotary encoder (EN3100) and a connector CN3100. The output signals are input to the CPU (IC2202) on the MB-1191 board through the FP-168 board.

4-2. CPU Pin Description

4-2-1. CPU (IC2202 on MB-1191 board)

Pin No.	Pin Name	I/O	Description
A1	VCCQ1	I	Vcc +3.3 V
A2	SPI2_CS/FS_FPGA	I	SPI control for FPGA
A3	WP/ACC	O	Bus control
A4	A18	O	Address bus
A5	A16	O	Address bus
A6	RESET_DISP1	O	Reset signal for CH1 OEL
A7	VCC1	I	Vcc +1.8 V
A8	RD	O	Bus control
A9	VCCQ2	I	Vcc +3.3 V
A10	A13	O	Address bus
A11	A11	O	Address bus
A12	A07	O	Address bus
A13	A03	O	Address bus
A14	A01	O	Address bus
A15	CS_RAM	O	Bus control
B1	VSSQ1	–	GND
B2	PD7/IRQ7/SCK2	NC	Not used
B3	HP_SEL	I	Headphone select control
B4	A20	O	Address bus
B5	A17	O	Address bus
B6	RESET_DISP2	O	Reset signal for CH2 OEL
B7	VSS1	–	GND
B8	WAIT	I	Bus control
B9	VSSQ2	–	GND
B10	A15	O	Address bus
B11	A09	O	Address bus
B12	A05	O	Address bus
B13	A02	O	Address bus
B14	VSSQ3	–	GND
B15	VCCQ3	I	Vcc +3.3 V
C1	IRQ_FPGA	I	FPGA interrupt signal
C2	DBG_TxD2	O	Signal for debug
C3	DBG_RxD2	I	Signal for debug
C4	A21	O	Address bus
C5	CS_DISP1	O	Bus control for CH1 OEL
C6	CS_DISP2	O	Bus control for CH2 OEL
C7	G_LED1	O	LED control
C8	CS_FPGA	O	Bus control for FPGA
C9	BS	O	Bus control
C10	A12	O	Address bus

Pin No.	Pin Name	I/O	Description
C11	A08	O	Address bus
C12	A04	O	Address bus
C13	A00	O	Address bus
C14	RAS	O	Bus control
C15	CKE	O	Bus control
D1	IRQ_RM	I	RM interrupt signal
D2	IRQ_DISP1	I	Interrupt signal for CH1 OEL
D3	IRQ_DISP2	I	Interrupt signal for CH2 OEL
D4	RY/BY	I	Bus control
D5	A19	O	Address bus
D6	PWR_FAN	O	Fan control signal
D7	FAN_ALARM	I	Fan alarm detection
D8	CS_CPU_FLASH	O	Bus control for flash
D9	A14	O	Address bus
D10	A10	O	Address bus
D11	A06	O	Address bus
D12	CAS	O	Bus control
D13	RD/WR	O	Bus control
D14	DQMLU	O	Bus control
D15	DQMLL	O	Bus control
E1	VSS2	–	GND
E2	VCC2	I	Vcc +1.8 V
E3	TEMP_DET	I	Temperature detection in this set
E4	PFI	I	PFI detection
E12	VSS3	–	GND
E13	VCC3	I	Vcc +1.8V
E14	D09	I/O	Data bus
E15	D08	I/O	Data bus
F1	SPI3_CS_B	O	SPI control
F2	SPI1_SCK	O	SPI signal
F3	SPI3_CS_C	O	SPI control
F4	SPI3_CS_G	O	SPI control
F12	D13	I/O	Data bus
F13	D11	I/O	Data bus
F14	D10	I/O	Data bus
F15	D12	I/O	Data bus
G1	SPI1_MOSI	O	SPI signal
G2	SPI3_SCK	O	SPI signal
G3	SPI1_MISO	I	SPI signal
G4	SPI3_CS_A	O	SPI control
G12	D06	I/O	Data bus
G13	D15	I/O	Data bus
G14	D14	I/O	Data bus
G15	D07	I/O	Data bus

Pin No.	Pin Name	I/O	Description
H1	SPI3_MISO	I	SPI signal
H2	SPI3_MOSI	O	SPI signal
H3	VSS4	–	GND
H4	VCC4	I	Vcc +3.3 V
H12	D03	I/O	Data bus
H13	D05	I/O	Data bus
H14	VCCQ4	VCC	Vcc +3.3 V
H15	VSSQ4	–	GND
J1	APR_SHDN	O	FPGA control
J2	WP_CPU_EEPROM	O	SPI control for CPU EEPROM
J3	WP_RF_EEPROM	O	SPI control for TUN EEPROM
J4	PE14/HIFD05/D21	NC	Not used
J12	MD2	I	Mode setting terminal
J13	D01	I/O	Data bus
J14	D04	I/O	Data bus
J15	D02	I/O	Data bus
K1	VCCQ5	I	Vcc +3.3 V
K2	VSSQ5	–	GND
K3	WP_FPGA_FLASH	O	SPI control for FPGA flash
K4	SPI2_CS_FPGA_FLASH	O	SPI control for FPGA flash
K12	VCC5	I	Vcc +1.8 V
K13	VSS5	–	GND
K14	D00	I/O	Data bus
K15	CKIO	O	Bus clock
L1	PLL1_LD	I	CH1 PLL lock detection
L2	PLL2_LD	I	CH2 PLL lock detection
L3	PROG_B	O	FPGA control
L4	INIT_DONE	I	FPGA control
L12	NMI	I	Test terminal
L13	ASEMD	I	Mode setting terminal/JTAG control
L14	TESTMD	I	Mode setting terminal
L15	MD1	I	Mode setting terminal
M1	SPI2_MOSI	O	SPI signal
M2	SPI2_MISO	I	SPI signal
M3	ANT_OVER_CURRENT	I	ANT DC output over current detection
M4	SPI1_CS_RM	O	SPI control for RM
M5	TSTBUSA	NC	Not used
M6	PC09/RX_ER	NC	Not used
M7	JOG1_B	I	CH1 rotary encoder signal
M8	PWR_FPGA_+1.2V	O	FPGA +1.2 V control
M9	LINK	O	LED control for Ethernet
M10	VCC6	I	Vcc +1.8 V
M11	MD5	I	Mode setting terminal
M12	TDI	I	JTAG signal

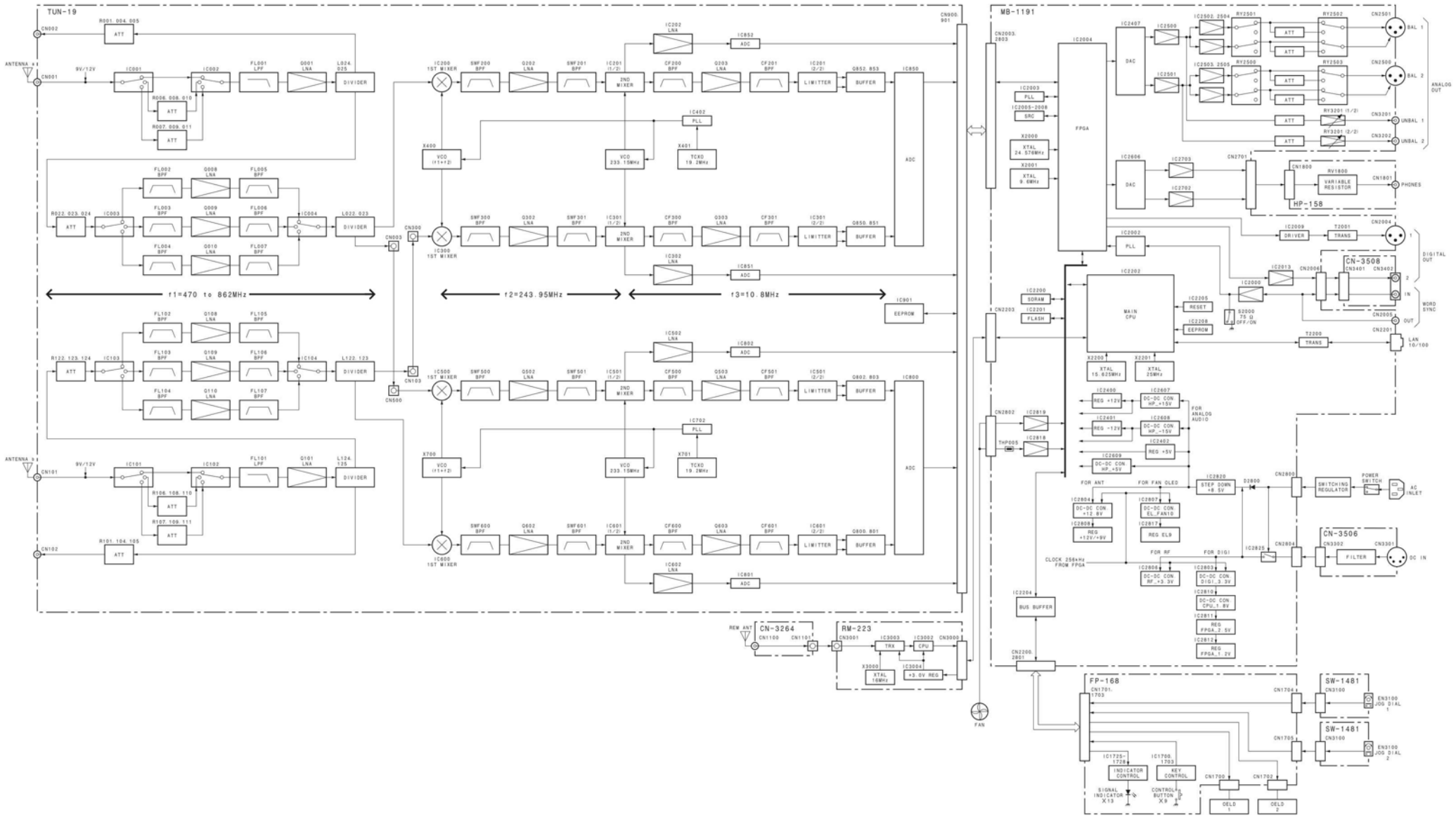
Pin No.	Pin Name	I/O	Description
M13	TMS	I	JTAG signal
M14	TRST	I	JTAG signal
M15	RESET	I	CPU reset signal
N1	SPI2_SCK	O	SPI signal
N2	RESET_DC-OUT	O	ANT DC output over current protection reset signal
N3	VSS1A1	–	GND
N4	VCC1A	I	Vcc +3.3 V
N5	EXRES1	I	control for Ethernet
N6	PC08/RX_DV	NC	Not used
N7	JOG2_B	I	CH1 rotary encoder signal
N8	PS_PLL	O	control for PLL
N9	DUPLEX	NC	Not used
N10	VSS6	–	GND
N11	RESET_RM	O	Reset signal for RM
N12	TDO	O	JTAG signal
N13	MD0	I	Mode setting terminal
N14	VSS7[PLL1]	–	GND
N15	VCC7[PLL1]	I	Vcc +1.8 V
P1	PWR_ANT_+9V/+12V	O	ANT DC output voltage control
P2	PWR_ANT	O	ANT DC output voltage control
P3	VSS1A2	–	GND
P4	VCC2A	I	Vcc +3.3 V
P5	VSS2A	–	GND
P6	JOG2_A	I	CH2 rotary encoder signal
P7	VSSQ6	–	GND
P8	SPEED100	NC	Not used
P9	PWR_FPGA_+2.5V	O	FPGA +2.5 V control
P10	PC20/WOL	NC	Not used
P11	CK_PHY	I	Clock input terminal for Ethernet
P12	TCK	I	JTAG signal
P13	VCCQ6	I	Vcc +3.3 V
P14	VSSQ7	–	GND
P15	VSS8[PLL2]	–	GND
R1	TXM	O	Telecommunication for Ethernet
R2	TXP	O	Telecommunication for Ethernet
R3	RXM	I	Telecommunication for Ethernet
R4	RXP	I	Telecommunication for Ethernet
R5	VCC3A	I	Vcc +3.3 V
R6	JOG1_A	I	CH2 rotary encoder signal
R7	VCCQ7	I	Vcc +3.3 V
R8	PWR_DISP	O	Control for OEL +9 V
R9	CRS	O	LED control for Ethernet
R10	PC14/COL	NC	Not used
R11	TESTOUT	NC	Not used

Pin No.	Pin Name	I/O	Description
R12	MD3	I	Mode setting terminal
R13	EXTAL	I	Clock input terminal for CPU
R14	XTAL	NC	Not used
R15	VCC8[PLL2]	I	Vcc +1.8 V

4-2-2. CPU (IC3002 on RM-223 board)

Pin No.	Pin Name	I/O	Description
1	IRQ	O	RM CPU interrupt signal
2	PDI	I	Main CPU signal
3	PDO	O	Main CPU signal
4	PE2/XCK0/AIN0	NC	Not used
5	PE3/OC3A/AIN1	NC	Not used
6	PE4/OC3B/INT4	NC	Not used
7	SW_IN	I	Signal for debug
8	PE6/T3/INT6	NC	Not used
9	PE7/ICP3/CLKO/INT7	NC	Not used
10	SS	I/O	Main CPU signal
11	SCK	I	Main CPU signal
12	MOSI	I	Main CPU signal
13	MISO	O	Main CPU signal
14	SLP_TR	I	Signal for RM transceiver
15	RST_RF	O	Signal for RM transceiver
16	PB6/OC1B/PCINT6	NC	Not used
17	PB7/OC0A/OC1C/PCINT7	NC	Not used
18	PG3/TOSC2	NC	Not used
19	PG4/TOSC1	NC	Not used
20	RESET	I	RM CPU reset signal
21	VCC1	I	Vcc +3.0 V
22	GND1	–	GND
23	XTAL2	NC	Not used
24	XTAL1	I	Clock input terminal for RM CPU
25	PD0/SCL/INT0	NC	Not used
26	PD1/SDA/INT1	NC	Not used
27	MOSI_RF	I	Signal for RM transceiver
28	MISO_RF	O	Signal for RM transceiver
29	IRQ_RF	I	Signal for RM transceiver
30	SCK_RF	O	RM transceiver interrupt signal
31	T1	NC	Not used
32	SEL_RF	O	Signal for RM transceiver
33	WR	I/O	Control for RM RAM
34	RD	O	Control for RM RAM
35	A8	O	Address bus
36	A9	O	Address bus
37	A10	O	Address bus
38	A11	O	Address bus
39	A12	O	Address bus
40	A13	O	Address bus
41	A14	O	Address bus
42	A15	O	Address bus

Pin No.	Pin Name	I/O	Description
43	ALE	O	Bus control
44	AD7	O	Address bus
45	AD6	O	Address bus
46	AD5	O	Address bus
47	AD4	O	Address bus
48	AD3	O	Address bus
49	AD2	O	Address bus
50	AD1	O	Address bus
51	AD0	O	Address bus
52	VCC2	I	Vcc +3.0 V
53	GND2	–	GND
54	TDI	I	JTAG signal
55	TDO	O	JTAG signal
56	TMS	O	JTAG signal
57	TCK	I	JTAG signal
58	DBG1	I/O	Signal for debug
59	DBG2	I/O	Signal for debug
60	DBG3	I/O	Signal for debug
61	DBG4	I/O	Signal for debug
62	AREF	I/O	Vcc +3.0 V
63	GND3	–	GND
64	AVCC	I	Vcc +3.0 V
65	EPAD	–	GND


TUN-19
MB-1191
f1=470 to 862MHz
f2=243.95MHz
f3=10.8MHz
FPGA
MAIN CPU
HP-158
FP-168
CN-3264
RM-223
CN-3508
CN-3506
SW-1481
SW-1481
ANALOG OUT
DIGITAL OUT
WORD SYNC
PHONES
LAN 10/100
AC INLET
DC IN
FAN

Overall

Section 5
Schematic Diagrams

Index

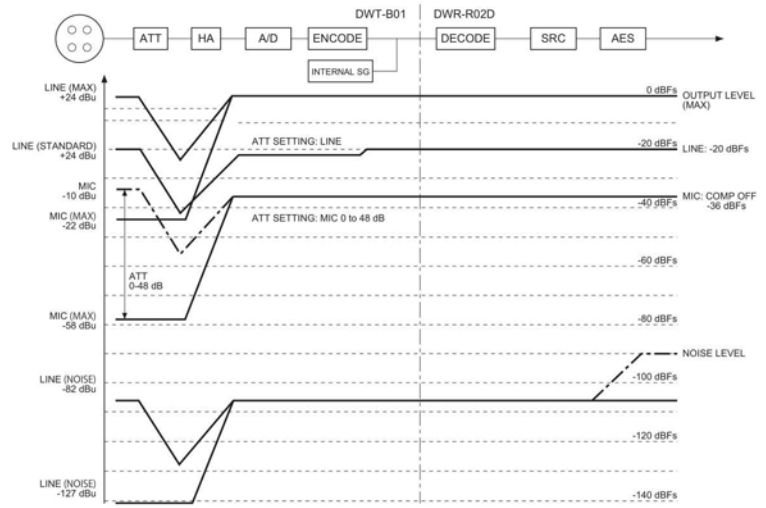
注意

- 電圧は，対アース間を無信号状態で測定。
- 電圧値は，テスター（入力インピーダンス 10MΩ）で測定した参考値。
- 電圧は，“FACTORY PRESET” 実行後の初期設定の状態で測定してください。

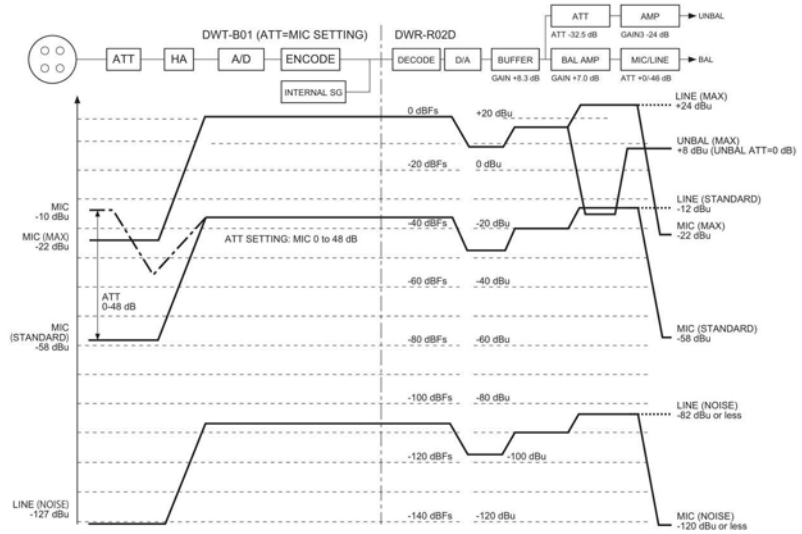
Notes

- Voltages are dc with respect to ground under no-signal (detuned) conditions.
- Voltages are taken with a VOM (Input impedance 10 MΩ).
- Measure voltages after executing “FACTORY PRESET” in the state of initial setting.

AUDIO LEVEL DIAGRAM (AES OUTPUT)

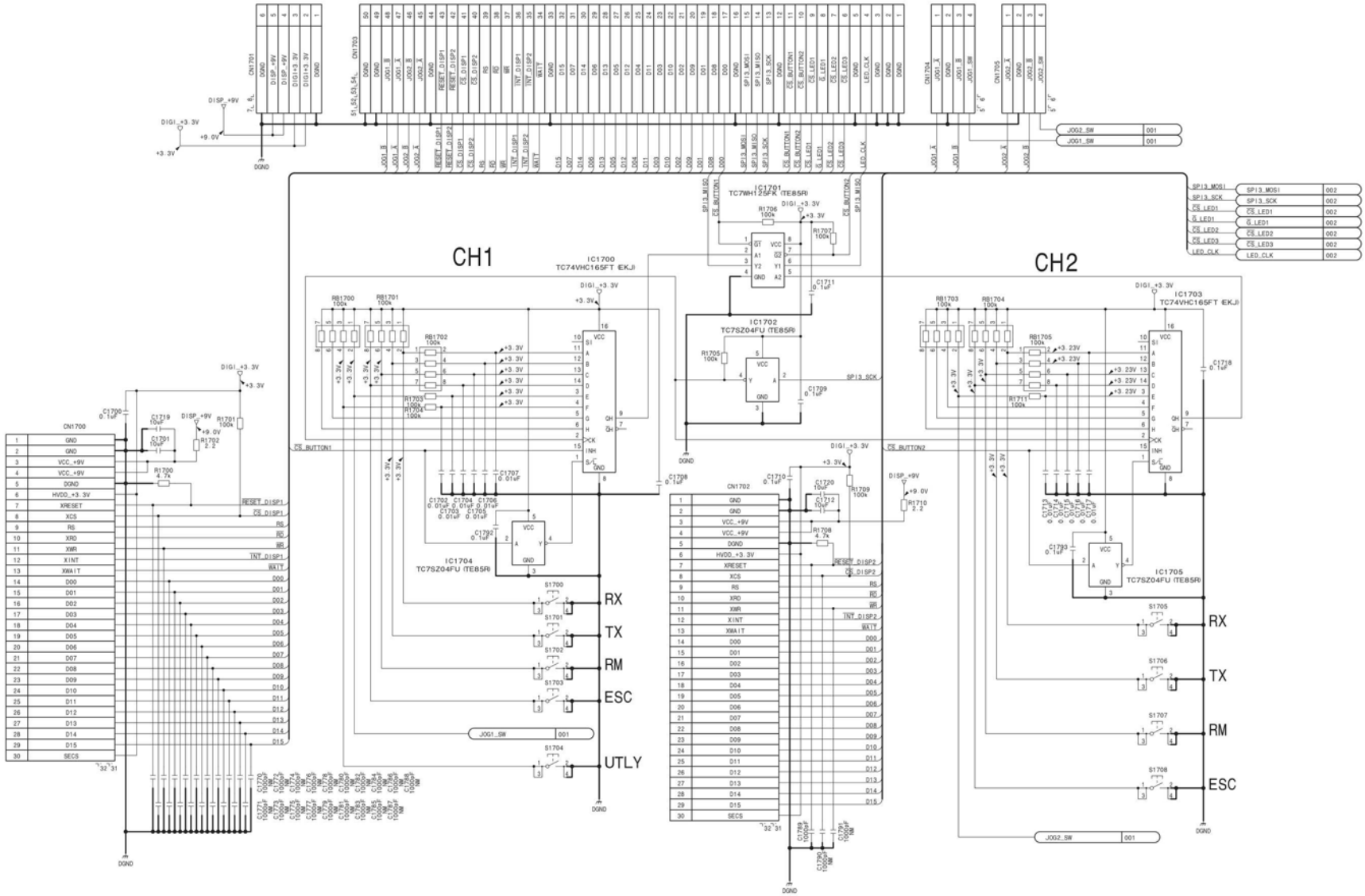


AUDIO LEVEL DIAGRAM (ANALOG OUTPUT)

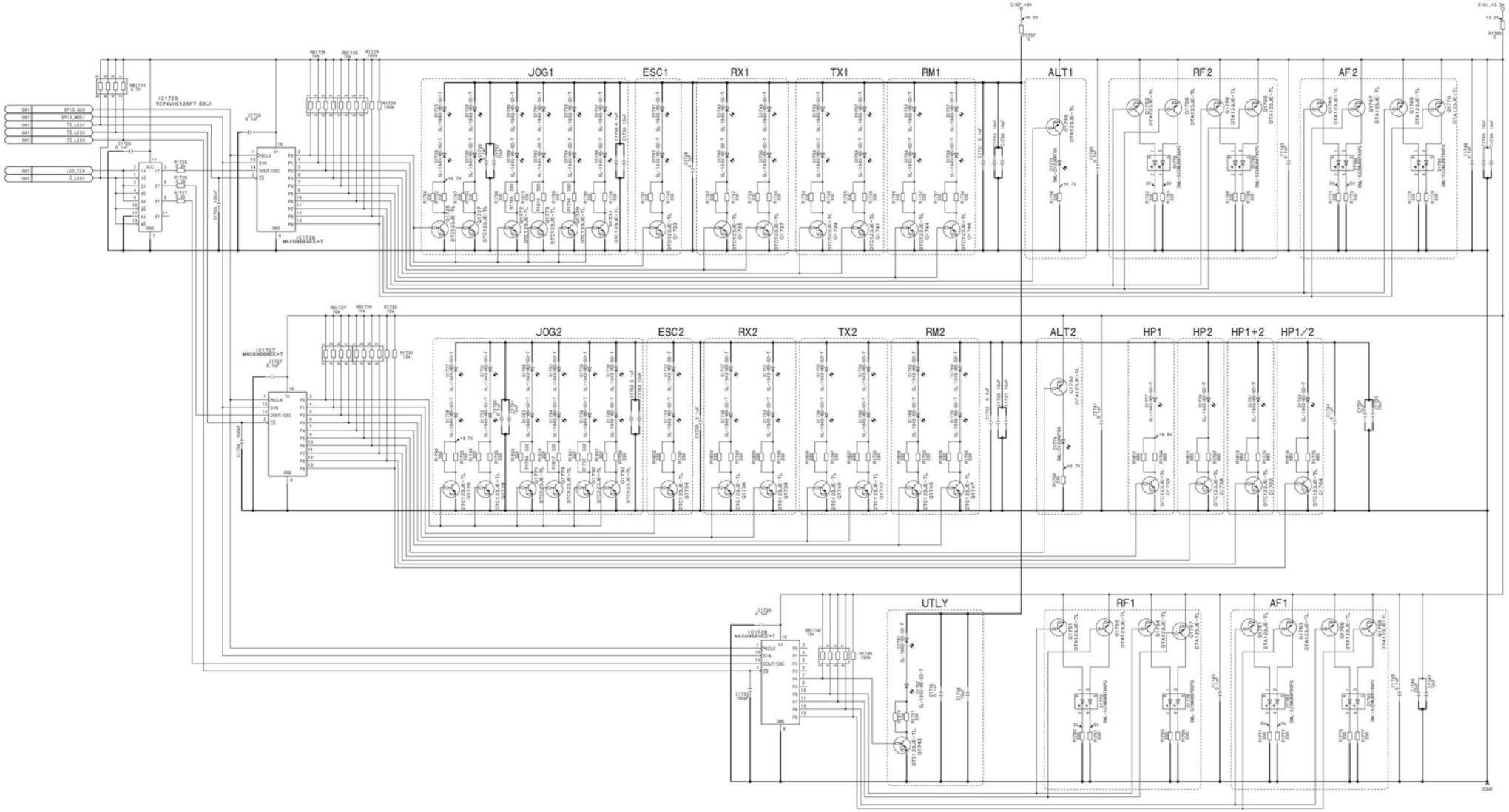


5-1

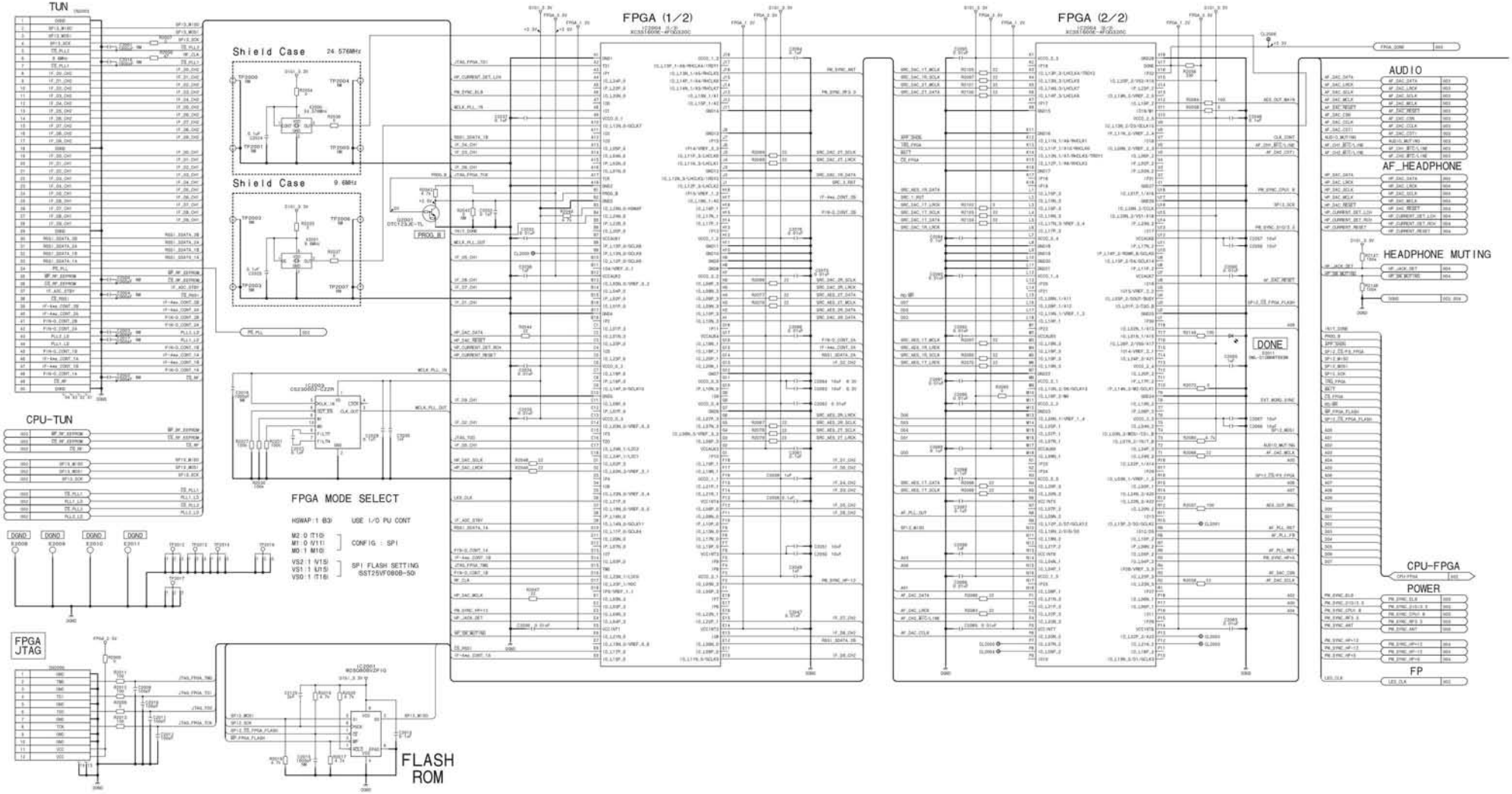
FP-168 (1/2) SUFFIX: -11

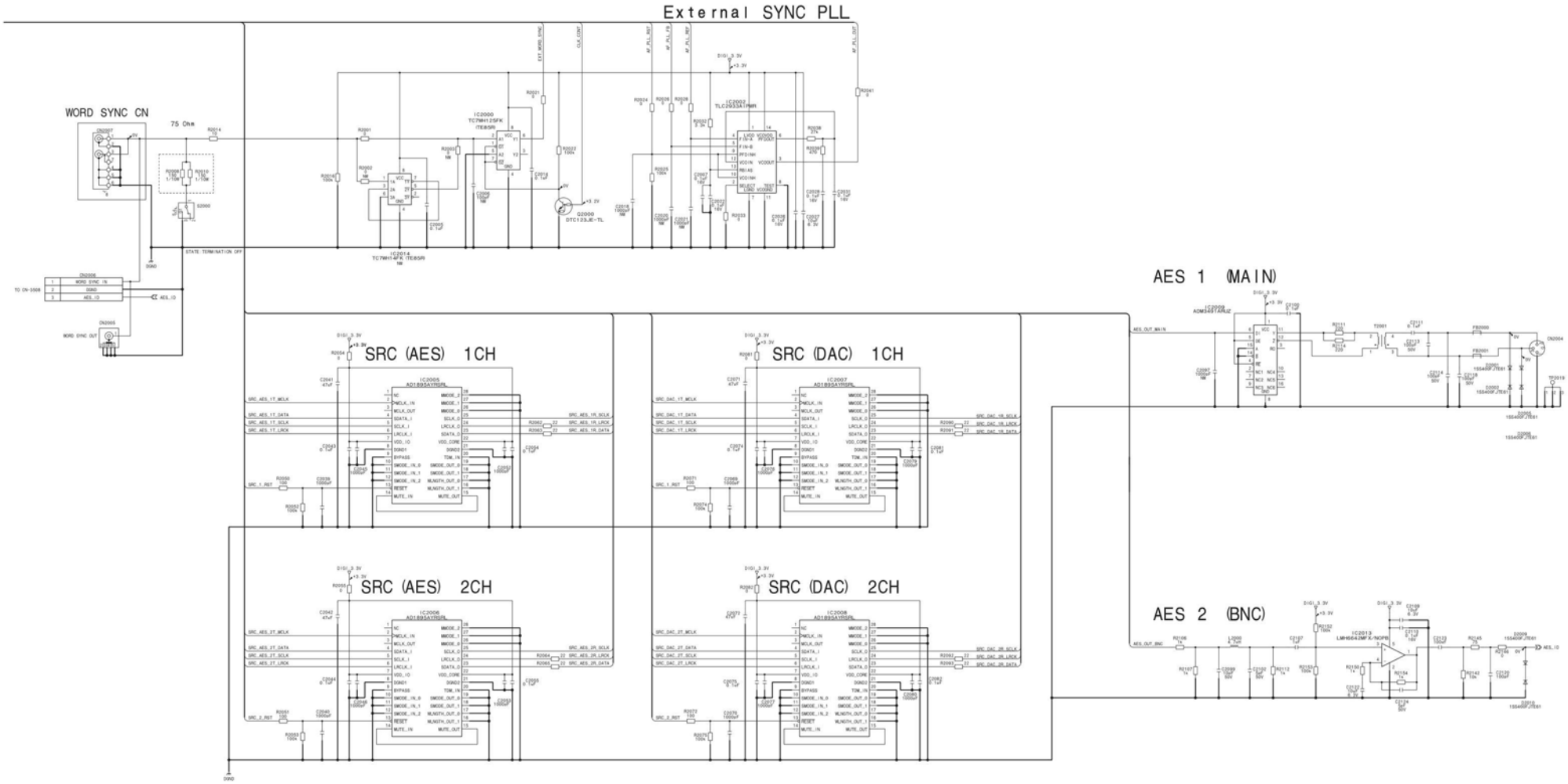


FP-168 (2/2)
SUFFIX: -11

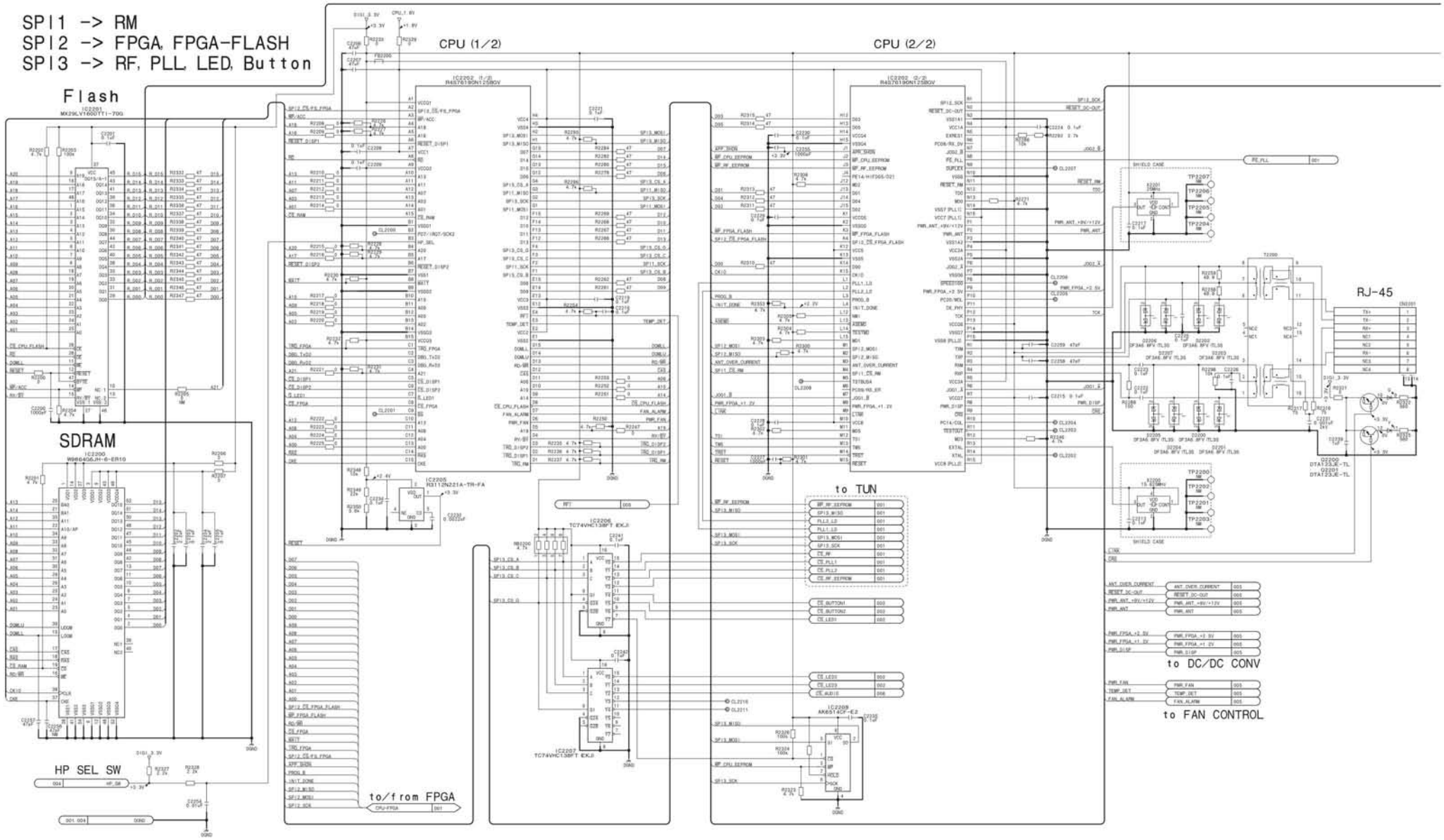


FP-168 (2/2)
BOARD NO. 1-881-925-11

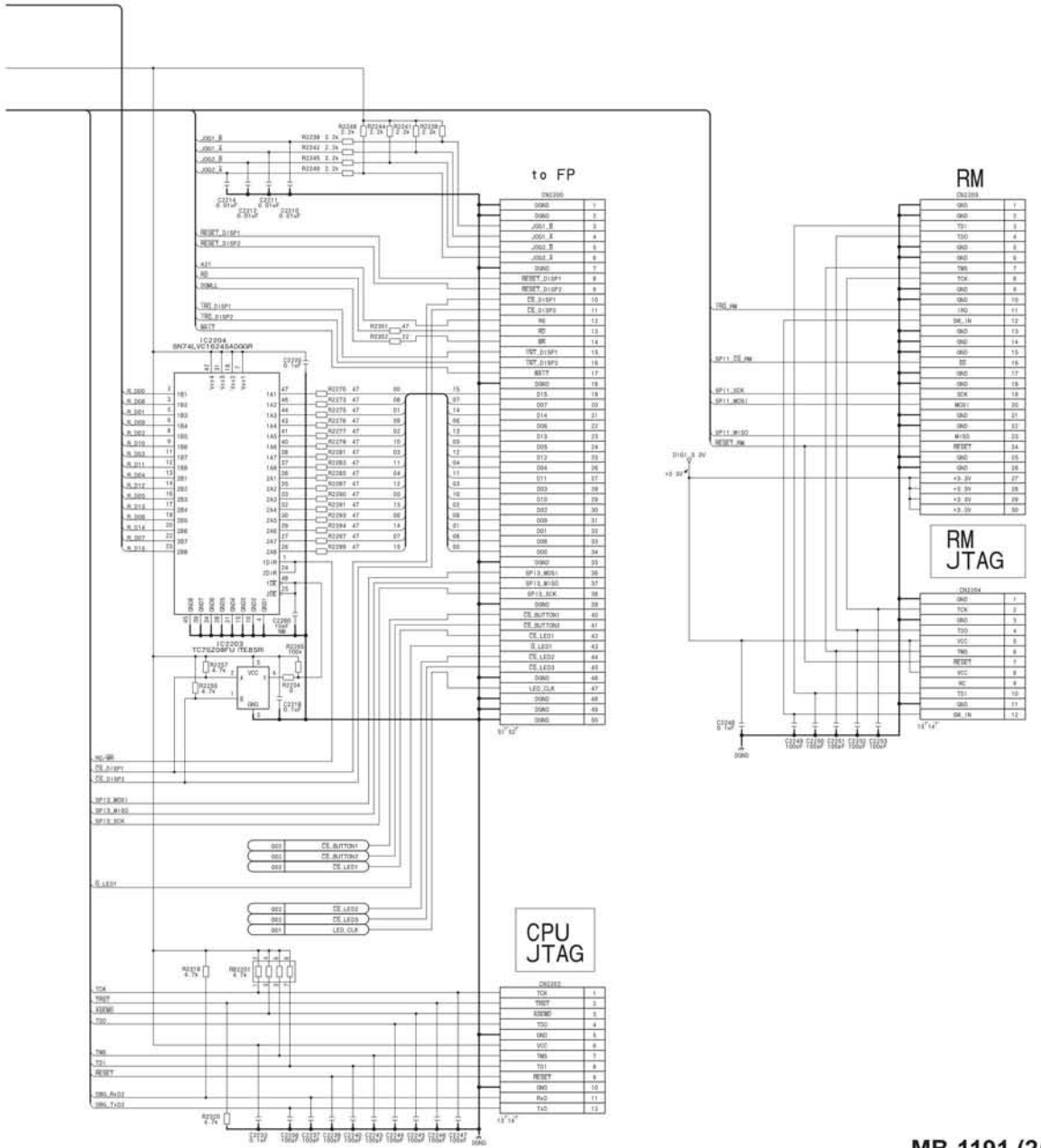

TUN
Shield Case 24.576MHz
Shield Case 9.6MHz
FPGA (1/2)
FPGA (2/2)
AUDIO
AF_HEADPHONE
HEADPHONE MUTING
CPU-FPGA
POWER
FP
DONE
CPU-TUN
FPGA MODE SELECT
FPGA JTAG
FLASH ROM



MB-1191 (1/6)
BOARD NO. 1-885-928-11

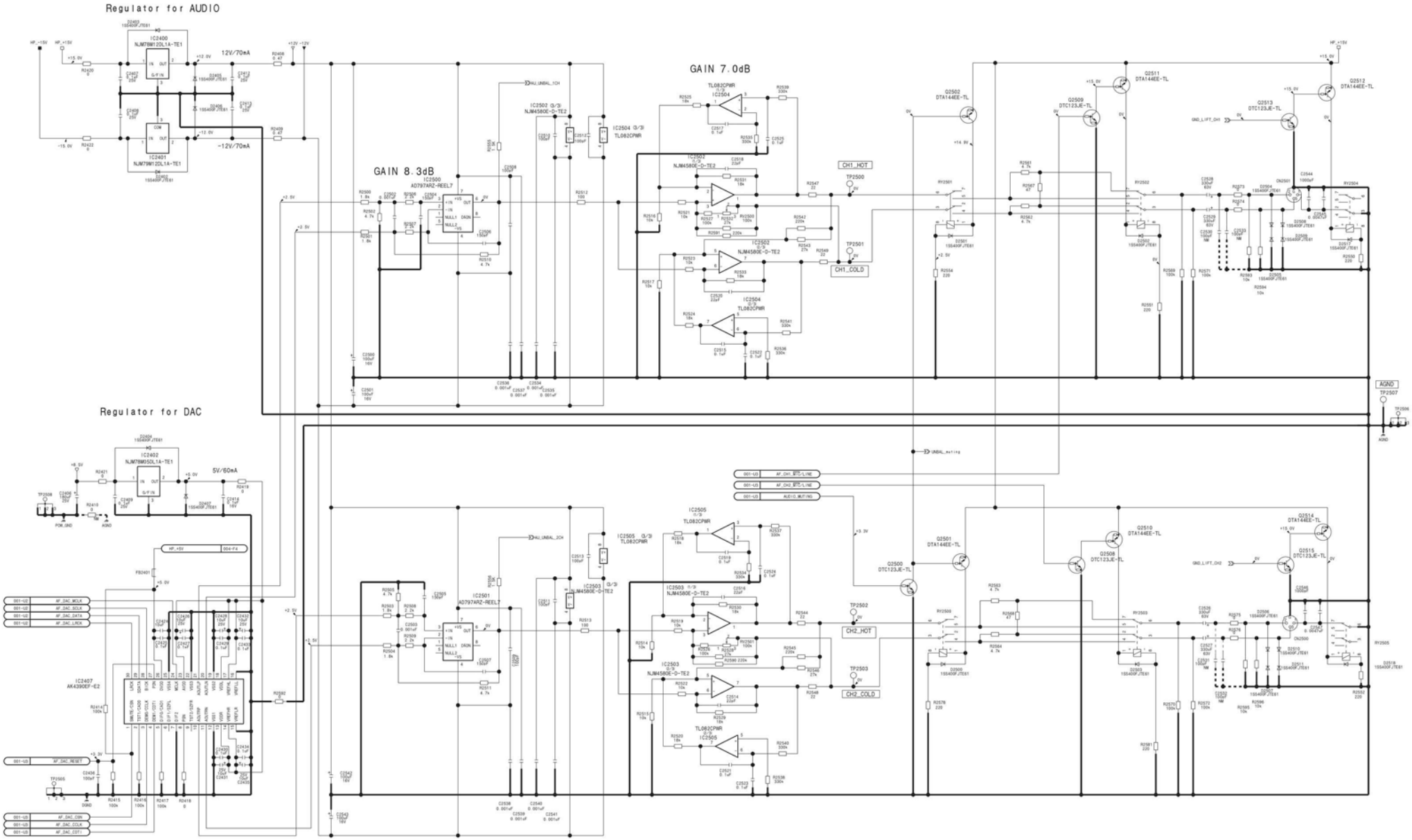

SPI1 -> RM
SPI2 -> FPGA, FPGA-FLASH
SPI3 -> RF, PLL, LED, Button
Flash
SDRAM
HP SEL SW
CPU (1/2)
CPU (2/2)
to/from FPGA
to TUN
to DC/DC CONV
to FAN CONTROL
RJ-45

MB-1191 (2/6)
SUFFIX: -11



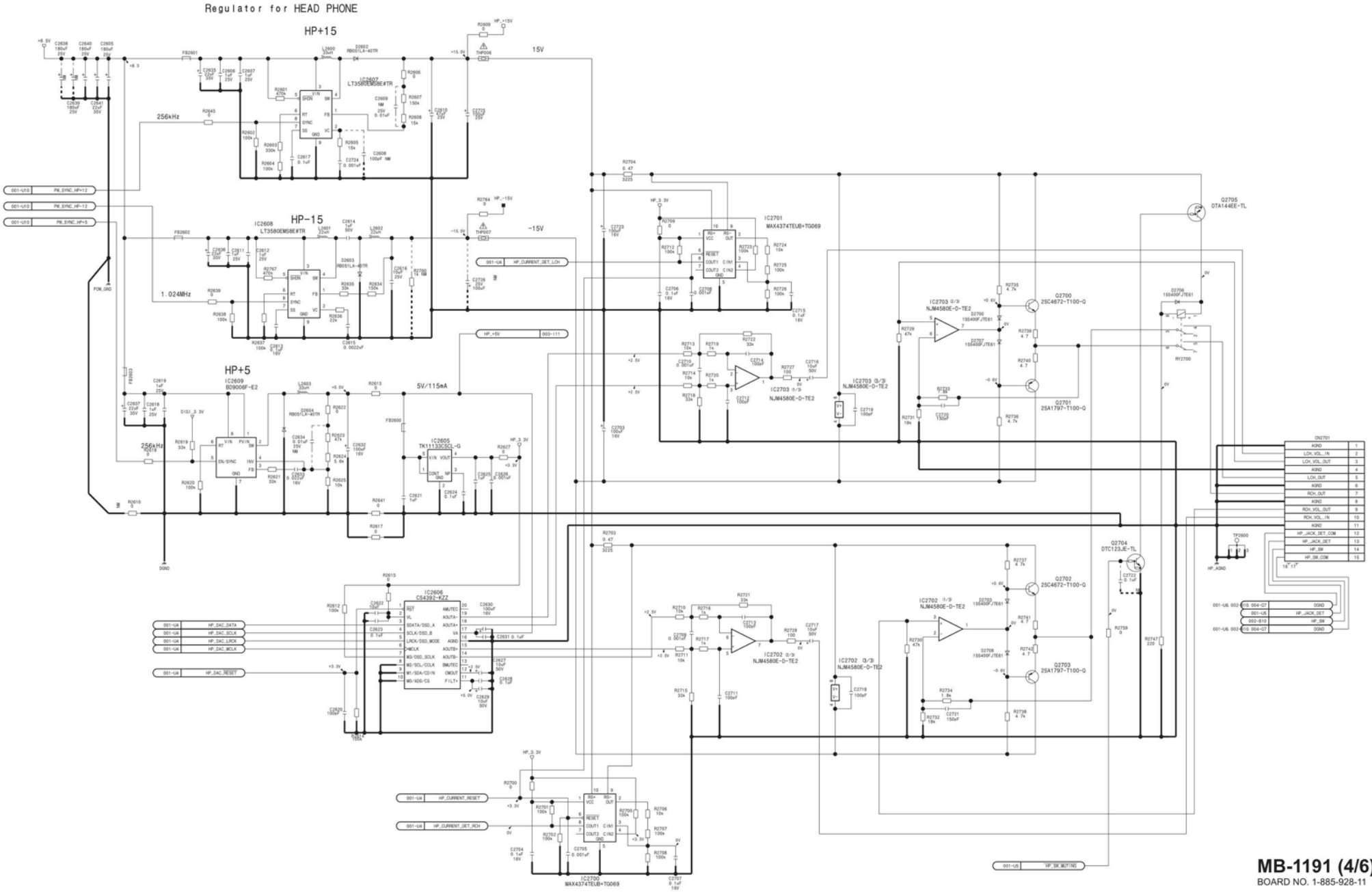
MB-1191 (2/6)
BOARD NO. 1-885-928-11

MB-1191 (3/6) SUFFIX: -11



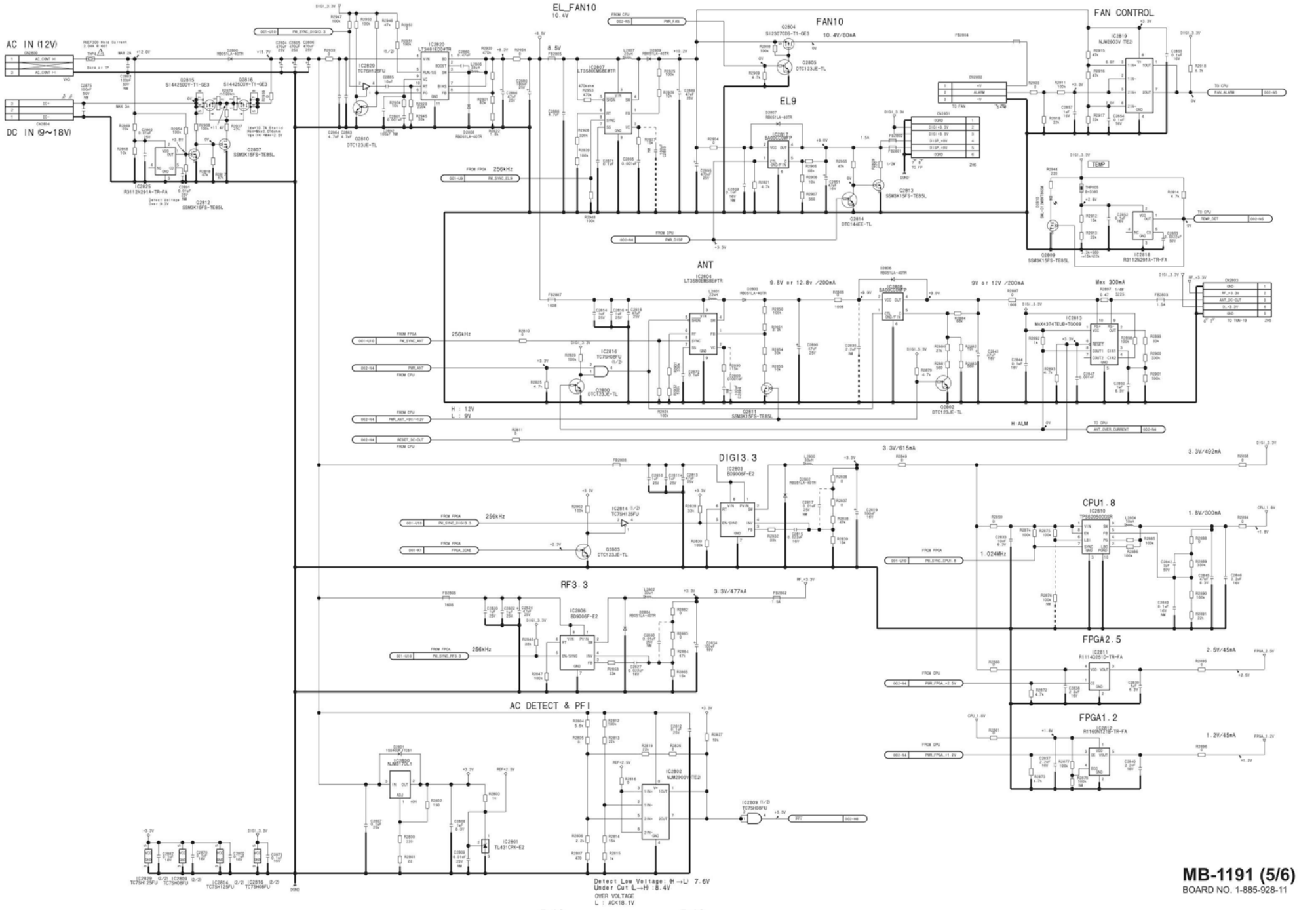
MB-1191 (3/6)
BOARD NO. 1-885-928-11

MB-1191 (4/6)
SUFFIX: -11



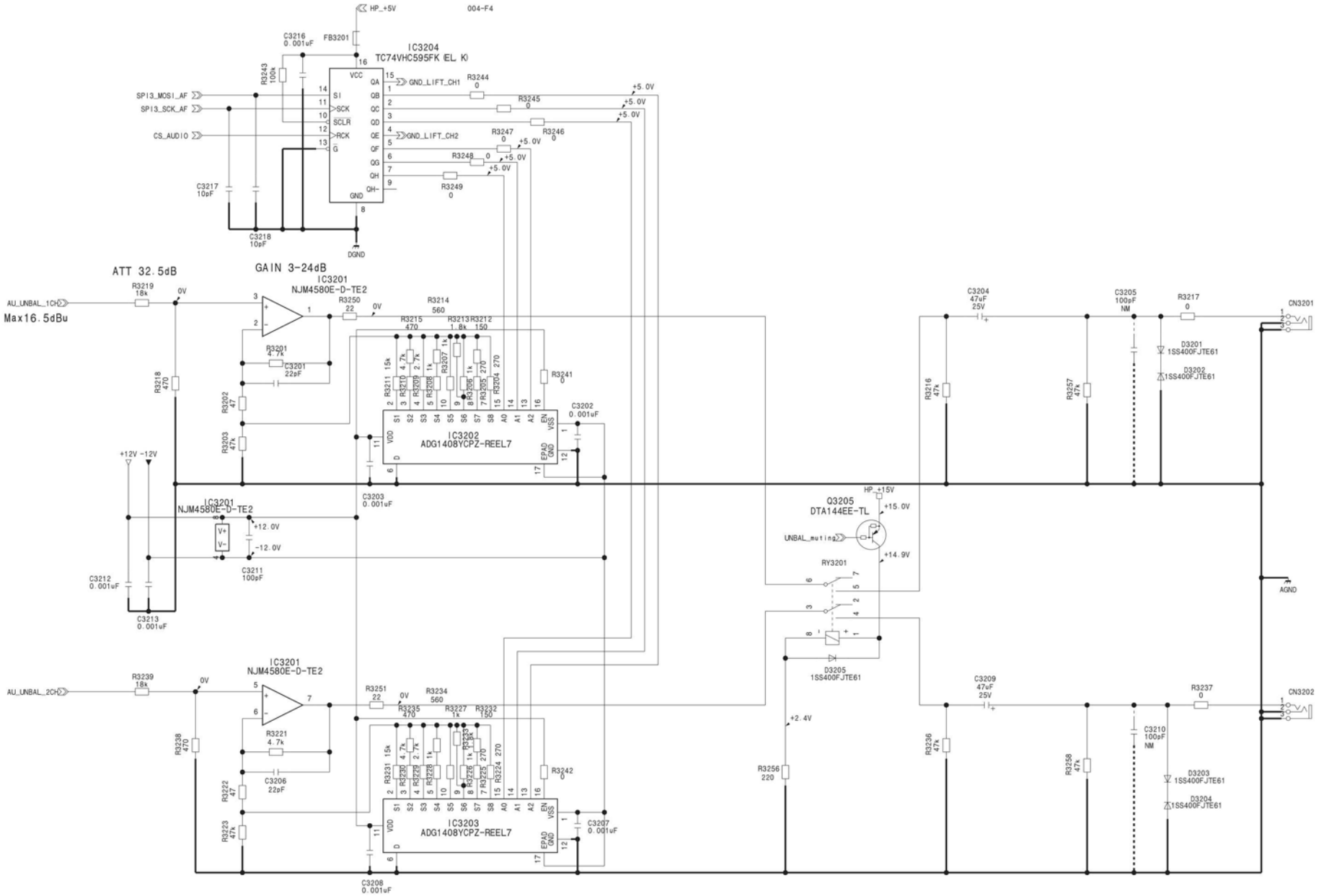
MB-1191 (4/6)
BOARD NO. 1-885-928-11

MB-1191 (5/6) SUFFIX: -11

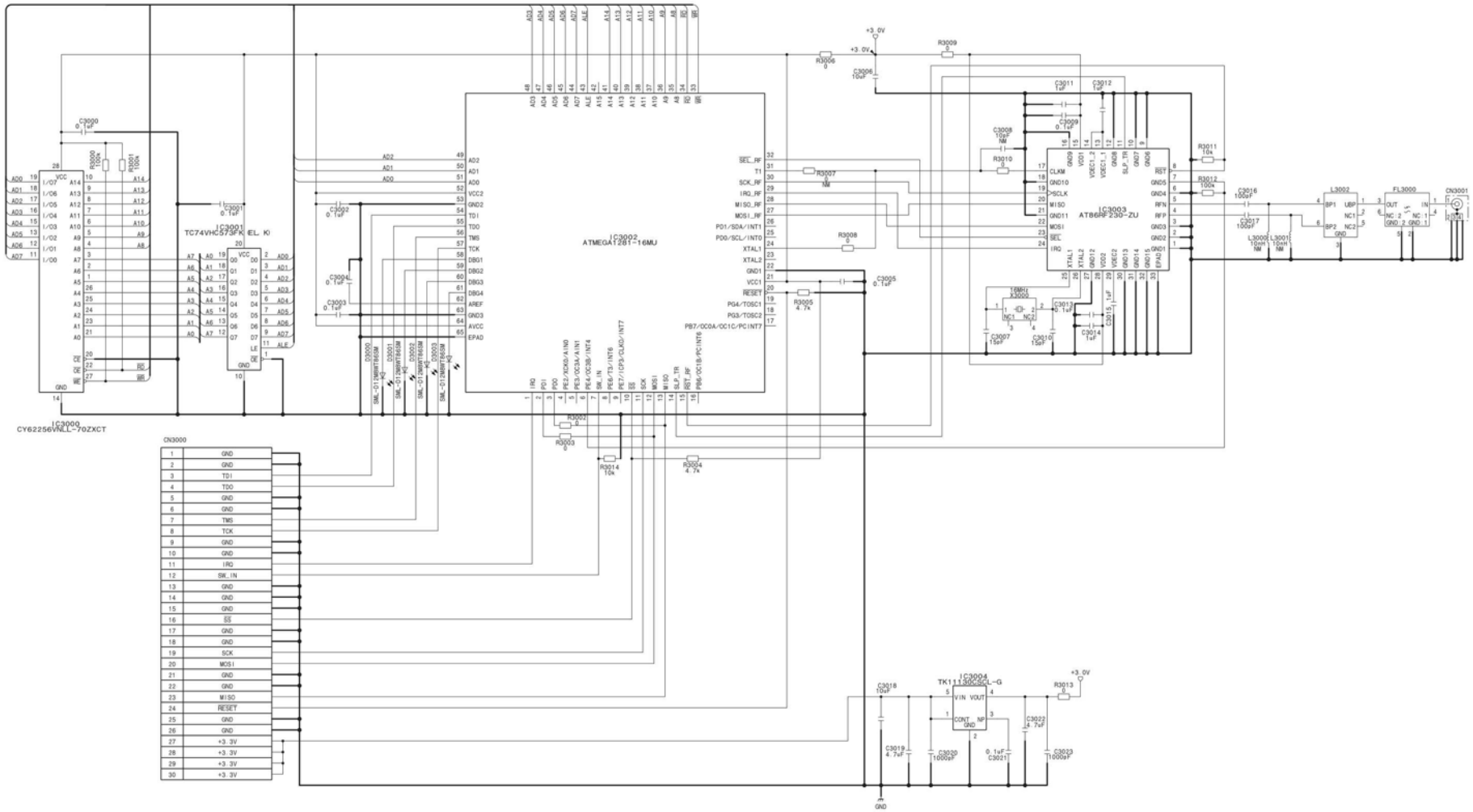


MB-1191 (5/6)
BOARD NO. 1-885-928-11

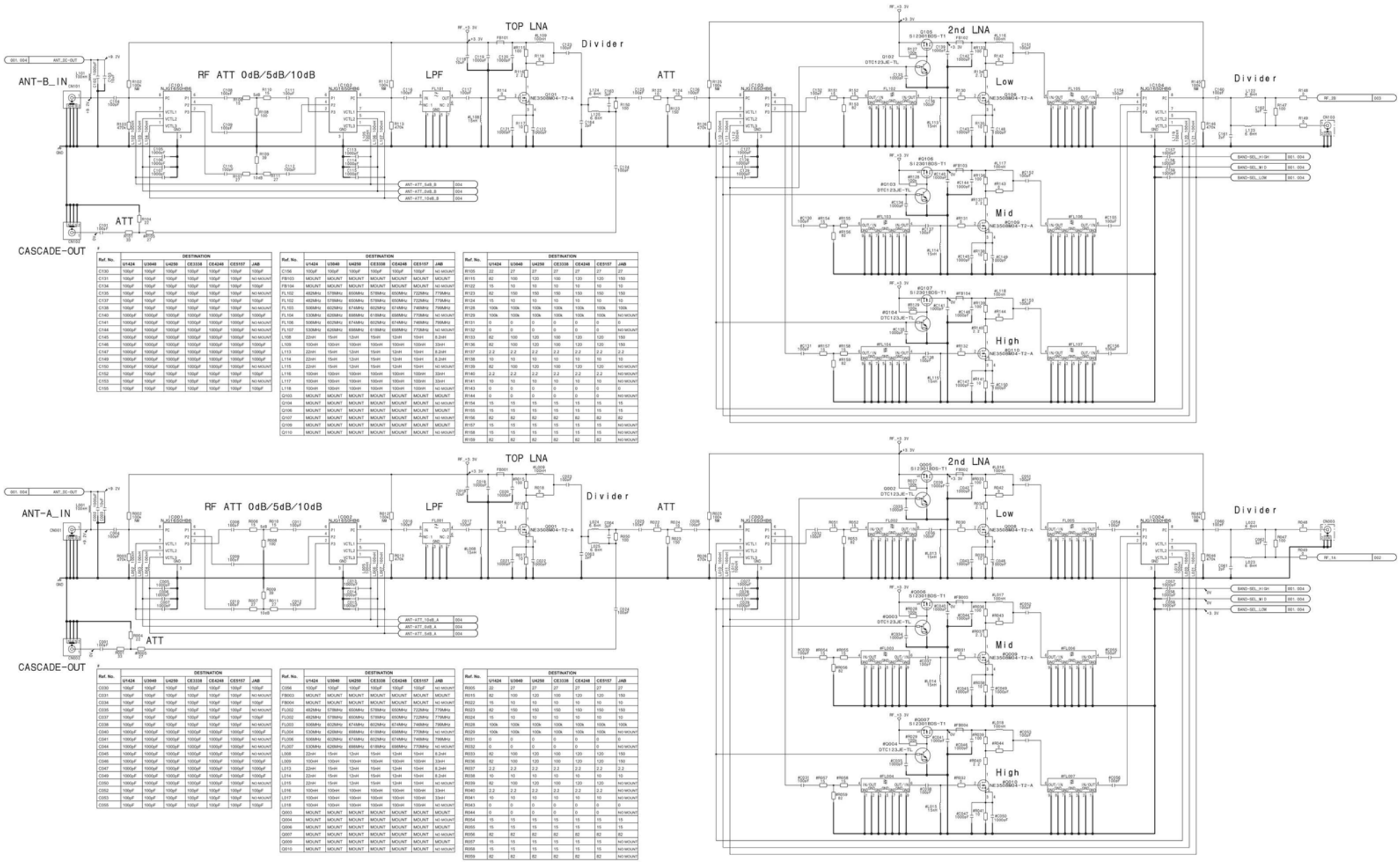
MB-1191 (6/6)
SUFFIX: -11



MB-1191 (6/6)
BOARD NO. 1-885-928-11


IC3000
CY62256VNLL-70ZXCT
IC3001
TC74VHC573FK (EL, K)
IC3002
ATMEGA1281-16MU
IC3003
AT86RF230-ZU
IC3004
TK11130CSCL-G
CN3000
GND
TDI
TDO
TMS
TCK
IRQ
SW_IN
SCK
MOSI
MISO
RESET
+3.0V
+3.3V

TUN-19 (1/4)
SUFFIX: -11



Ref. No.	DESTINATION						
	U1424	U3040	U4250	CE3338	CE4248	CE5157	JAB
C130	100pF	100pF	100pF	100pF	100pF	100pF	100pF
C131	100pF	100pF	100pF	100pF	100pF	100pF	NO MOUNT
C134	100pF	100pF	100pF	100pF	100pF	100pF	NO MOUNT
C135	100pF	100pF	100pF	100pF	100pF	100pF	100pF
C137	100pF	100pF	100pF	100pF	100pF	100pF	100pF
C138	100pF	100pF	100pF	100pF	100pF	100pF	NO MOUNT
C140	1000pF	1000pF	1000pF	1000pF	1000pF	1000pF	NO MOUNT
C141	1000pF	1000pF	1000pF	1000pF	1000pF	1000pF	NO MOUNT
C144	1000pF	1000pF	1000pF	1000pF	1000pF	1000pF	NO MOUNT
C145	1000pF	1000pF	1000pF	1000pF	1000pF	1000pF	NO MOUNT
C146	1000pF	1000pF	1000pF	1000pF	1000pF	1000pF	NO MOUNT
C147	1000pF	1000pF	1000pF	1000pF	1000pF	1000pF	NO MOUNT
C149	1000pF	1000pF	1000pF	1000pF	1000pF	1000pF	1000pF
C150	1000pF	1000pF	1000pF	1000pF	1000pF	1000pF	NO MOUNT
C152	100pF	100pF	100pF	100pF	100pF	100pF	NO MOUNT
C153	100pF	100pF	100pF	100pF	100pF	100pF	NO MOUNT
C155	100pF	100pF	100pF	100pF	100pF	100pF	100pF

Ref. No.	DESTINATION						
	U1424	U3040	U4250	CE3338	CE4248	CE5157	JAB
C156	100pF	100pF	100pF	100pF	100pF	100pF	NO MOUNT
FB103	MOUNT	MOUNT	MOUNT	MOUNT	MOUNT	MOUNT	MOUNT
FB104	MOUNT	MOUNT	MOUNT	MOUNT	MOUNT	MOUNT	NO MOUNT
FL102	482MHz	578MHz	650MHz	578MHz	650MHz	722MHz	779MHz
FL102	482MHz	578MHz	650MHz	578MHz	650MHz	722MHz	779MHz
FL103	506MHz	602MHz	674MHz	602MHz	674MHz	748MHz	799MHz
FL104	530MHz	626MHz	698MHz	618MHz	698MHz	773MHz	NO MOUNT
FL106	506MHz	602MHz	674MHz	602MHz	674MHz	748MHz	799MHz
FL107	530MHz	626MHz	698MHz	618MHz	698MHz	773MHz	NO MOUNT
L108	22nH	15nH	12nH	15nH	12nH	10nH	8.2nH
L109	100nH	100nH	100nH	100nH	100nH	100nH	33nH
L113	22nH	15nH	12nH	15nH	12nH	10nH	8.2nH
L114	22nH	15nH	12nH	15nH	12nH	10nH	8.2nH
L115	22nH	15nH	12nH	15nH	12nH	10nH	NO MOUNT
L116	100nH	100nH	100nH	100nH	100nH	100nH	33nH
L117	100nH	100nH	100nH	100nH	100nH	100nH	33nH
L118	100nH	100nH	100nH	100nH	100nH	100nH	NO MOUNT
Q103	MOUNT	MOUNT	MOUNT	MOUNT	MOUNT	MOUNT	MOUNT
Q104	MOUNT	MOUNT	MOUNT	MOUNT	MOUNT	MOUNT	NO MOUNT
Q106	MOUNT	MOUNT	MOUNT	MOUNT	MOUNT	MOUNT	MOUNT
Q107	MOUNT	MOUNT	MOUNT	MOUNT	MOUNT	MOUNT	NO MOUNT
Q109	MOUNT	MOUNT	MOUNT	MOUNT	MOUNT	MOUNT	MOUNT
Q110	MOUNT	MOUNT	MOUNT	MOUNT	MOUNT	MOUNT	NO MOUNT

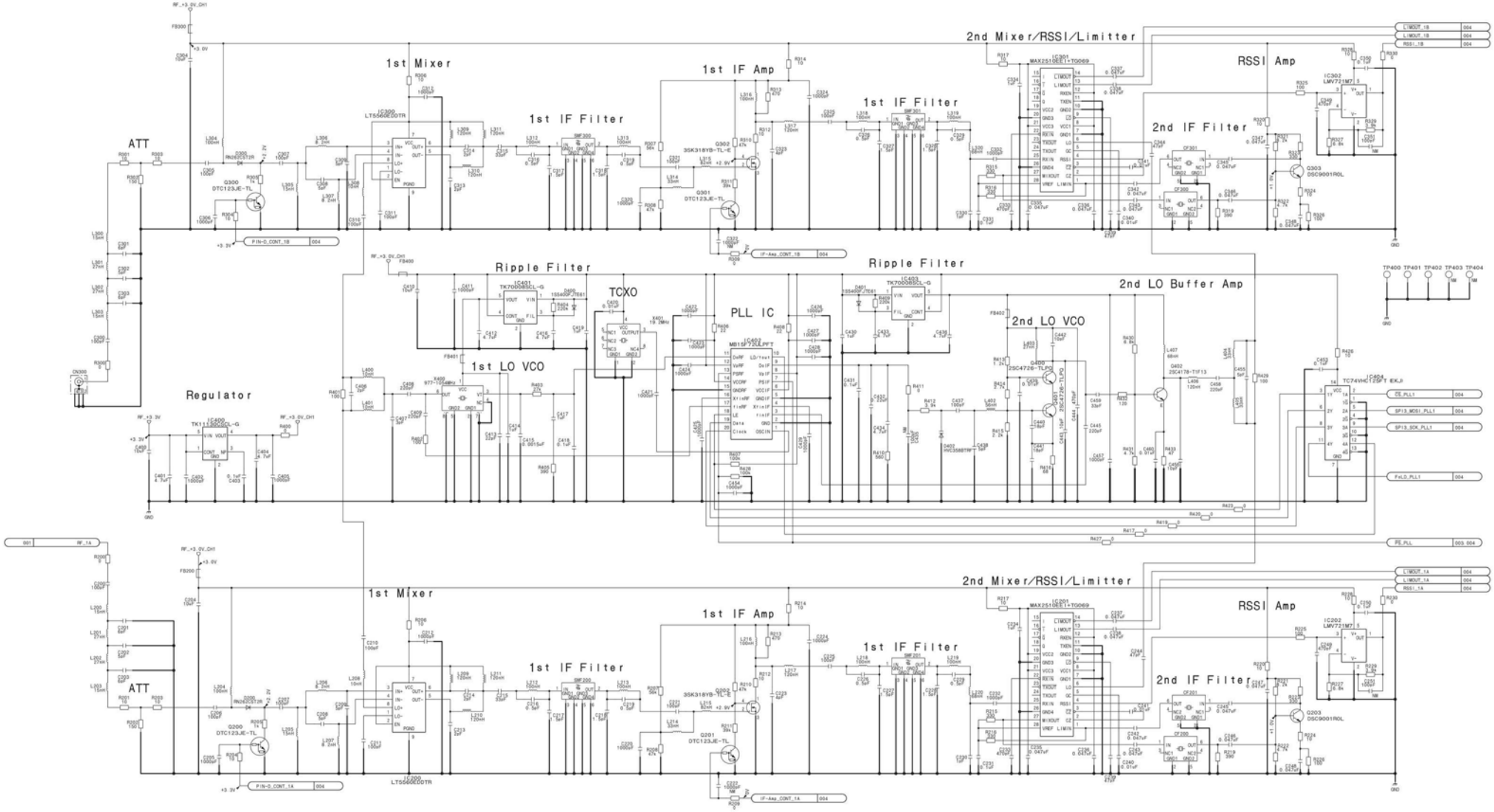
Ref. No.	DESTINATION						
	U1424	U3040	U4250	CE3338	CE4248	CE5157	JAB
R105	22	27	27	27	27	27	27
R115	82	100	120	100	120	120	150
R122	15	10	10	10	10	10	10
R123	82	150	150	150	150	150	150
R124	15	10	10	10	10	10	10
R128	100k	100k	100k	100k	100k	100k	100k
R129	100k	100k	100k	100k	100k	100k	NO MOUNT
R131	0	0	0	0	0	0	0
R132	0	0	0	0	0	0	NO MOUNT
R133	82	100	120	100	120	120	150
R136	82	100	120	100	120	120	150
R139	82	100	120	100	120	120	NO MOUNT
R140	2.2	2.2	2.2	2.2	2.2	2.2	NO MOUNT
R141	10	10	10	10	10	10	NO MOUNT
R143	0	0	0	0	0	0	NO MOUNT
R144	0	0	0	0	0	0	NO MOUNT
R154	15	15	15	15	15	15	15
R155	15	15	15	15	15	15	15
R156	82	82	82	82	82	82	82
R157	15	15	15	15	15	15	NO MOUNT
R158	15	15	15	15	15	15	NO MOUNT
R159	82	82	82	82	82	82	NO MOUNT

Ref. No.	DESTINATION						
	U1424	U3040	U4250	CE3338	CE4248	CE5157	JAB
C030	100pF	100pF	100pF	100pF	100pF	100pF	100pF
C031	100pF	100pF	100pF	100pF	100pF	100pF	NO MOUNT
C034	100pF	100pF	100pF	100pF	100pF	100pF	100pF
C035	100pF	100pF	100pF	100pF	100pF	100pF	NO MOUNT
C037	100pF	100pF	100pF	100pF	100pF	100pF	100pF
C038	100pF	100pF	100pF	100pF	100pF	100pF	NO MOUNT
C040	1000pF	1000pF	1000pF	1000pF	1000pF	1000pF	NO MOUNT
C041	1000pF	1000pF	1000pF	1000pF	1000pF	1000pF	NO MOUNT
C044	1000pF	1000pF	1000pF	1000pF	1000pF	1000pF	NO MOUNT
C045	1000pF	1000pF	1000pF	1000pF	1000pF	1000pF	NO MOUNT
C046	1000pF	1000pF	1000pF	1000pF	1000pF	1000pF	1000pF
C047	1000pF	1000pF	1000pF	1000pF	1000pF	1000pF	1000pF
C049	1000pF	1000pF	1000pF	1000pF	1000pF	1000pF	1000pF
C050	1000pF	1000pF	1000pF	1000pF	1000pF	1000pF	NO MOUNT
C052	100pF	100pF	100pF	100pF	100pF	100pF	100pF
C053	100pF	100pF	100pF	100pF	100pF	100pF	NO MOUNT
C055	100pF	100pF	100pF	100pF	100pF	100pF	100pF

Ref. No.	DESTINATION						
	U1424	U3040	U4250	CE3338	CE4248	CE5157	JAB
C056	100pF	100pF	100pF	100pF	100pF	100pF	NO MOUNT
FB003	MOUNT	MOUNT	MOUNT	MOUNT	MOUNT	MOUNT	MOUNT
FB004	MOUNT	MOUNT	MOUNT	MOUNT	MOUNT	MOUNT	NO MOUNT
FL002	482MHz	578MHz	650MHz	578MHz	650MHz	722MHz	779MHz
FL002	482MHz	578MHz	650MHz	578MHz	650MHz	722MHz	779MHz
FL003	506MHz	602MHz	674MHz	602MHz	674MHz	748MHz	799MHz
FL004	530MHz	626MHz	698MHz	618MHz	698MHz	773MHz	NO MOUNT
FL006	506MHz	602MHz	674MHz	602MHz	674MHz	748MHz	799MHz
FL007	530MHz	626MHz	698MHz	618MHz	698MHz	773MHz	NO MOUNT
L008	22nH	15nH	12nH	15nH	12nH	10nH	8.2nH
L009	100nH	100nH	100nH	100nH	100nH	100nH	33nH
L013	22nH	15nH	12nH	15nH	12nH	10nH	8.2nH
L014	22nH	15nH	12nH	15nH	12nH	10nH	8.2nH
L015	22nH	15nH	12nH	15nH	12nH	10nH	NO MOUNT
L016	100nH	100nH	100nH	100nH	100nH	100nH	33nH
L017	100nH	100nH	100nH	100nH	100nH	100nH	33nH
L018	100nH	100nH	100nH	100nH	100nH	100nH	NO MOUNT
Q003	MOUNT	MOUNT	MOUNT	MOUNT	MOUNT	MOUNT	MOUNT
Q004	MOUNT	MOUNT	MOUNT	MOUNT	MOUNT	MOUNT	NO MOUNT
Q006	MOUNT	MOUNT	MOUNT	MOUNT	MOUNT	MOUNT	MOUNT
Q007	MOUNT	MOUNT	MOUNT	MOUNT	MOUNT	MOUNT	NO MOUNT
Q009	MOUNT	MOUNT	MOUNT	MOUNT	MOUNT	MOUNT	MOUNT
Q010	MOUNT	MOUNT	MOUNT	MOUNT	MOUNT	MOUNT	NO MOUNT

Ref. No.	DESTINATION						
	U1424	U3040	U4250	CE3338	CE4248	CE5157	JAB
R005	22	27	27	27	27	27	27
R015	82	100	120	100	120	120	150
R022	15	10	10	10	10	10	10
R023	82	150	150	150	150	150	150
R024	15	10	10	10	10	10	10
R028	100k	100k	100k	100k	100k	100k	100k
R029	100k	100k	100k	100k	100k	100k	NO MOUNT
R031	0	0	0	0	0	0	0
R032	0	0	0	0	0	0	NO MOUNT
R033	82	100	120	100	120	120	150
R036	82	100	120	100	120	120	150
R037	2.2	2.2	2.2	2.2	2.2	2.2	2.2
R038	10	10	10	10	10	10	10
R039	82	100	120	100	120	120	NO MOUNT
R040	2.2	2.2	2.2	2.2	2.2	2.2	NO MOUNT
R041	10	10	10	10	10	10	NO MOUNT
R043	0	0	0	0	0	0	NO MOUNT
R044	0	0	0	0	0	0	NO MOUNT
R054	15	15	15	15	15	15	15
R055	15	15	15	15	15	15	15
R056	82	82	82	82	82	82	82
R057	15	15	15	15	15	15	NO MOUNT
R058	15	15	15	15	15	15	NO MOUNT
R059	82	82	82	82	82	82	NO MOUNT

TUN-19 (1/4)
BOARD NO. 1-885-929-11

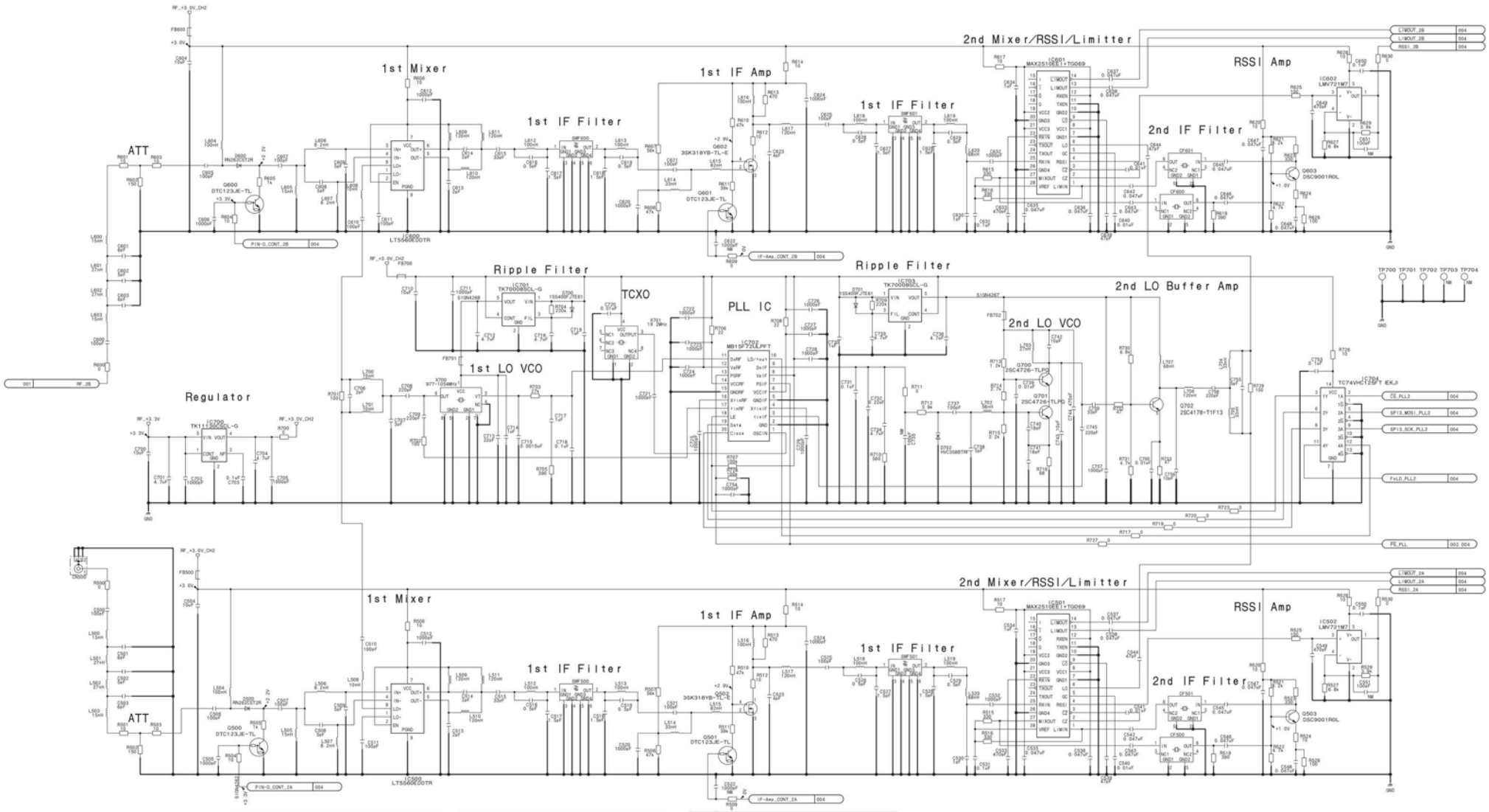


Ref. No.	DESTINATION						
	U1424	U3040	U4250	CE3338	CE4248	CE5157	JAB
C201	7pF	6pF	6pF	6pF	6pF	6pF	5pF
C202	7pF	6pF	5pF	5pF	5pF	5pF	5pF
C203	7pF	6pF	6pF	6pF	6pF	6pF	5pF
C208	8pF	7pF	6pF	7pF	6pF	6pF	5pF
C209	9pF	7pF	6pF	7pF	6pF	6pF	5pF
C301	7pF	6pF	6pF	6pF	6pF	6pF	5pF
C302	7pF	6pF	5pF	5pF	5pF	5pF	5pF
C303	7pF	6pF	6pF	6pF	6pF	6pF	5pF
C308	9pF	7pF	6pF	7pF	6pF	6pF	5pF
C309	9pF	7pF	6pF	7pF	6pF	6pF	5pF
C406	2pF	2pF	2pF	2pF	2pF	2pF	2pF

Ref. No.	DESTINATION						
	U1424	U3040	U4250	CE3338	CE4248	CE5157	JAB
L200	15nH	15nH	12nH	15nH	12nH	10nH	6.8nH
L201	33nH	27nH	22nH	27nH	22nH	18nH	18nH
L202	33nH	27nH	22nH	27nH	22nH	18nH	18nH
L203	15nH	15nH	12nH	15nH	12nH	10nH	6.8nH
L205	33nH	18nH	18nH	18nH	18nH	15nH	15nH
L206	12nH	10nH	8.2nH	10nH	8.2nH	8.2nH	8.2nH
L207	12nH	10nH	8.2nH	10nH	8.2nH	8.2nH	8.2nH
L208	18nH	15nH	12nH	15nH	12nH	10nH	10nH

Ref. No.	DESTINATION						
	U1424	U3040	U4250	CE3338	CE4248	CE5157	JAB
L300	15nH	15nH	12nH	15nH	12nH	10nH	6.8nH
L301	33nH	27nH	22nH	27nH	22nH	18nH	18nH
L302	33nH	27nH	22nH	27nH	22nH	18nH	18nH
L303	15nH	15nH	12nH	15nH	12nH	10nH	6.8nH
L305	33nH	18nH	18nH	18nH	18nH	15nH	15nH
L306	12nH	10nH	8.2nH	10nH	8.2nH	8.2nH	8.2nH
L307	12nH	10nH	8.2nH	10nH	8.2nH	8.2nH	8.2nH
L308	18nH	15nH	12nH	15nH	12nH	10nH	10nH
L400	12nH	12nH	12nH	12nH	12nH	10nH	10nH
L401	12nH	12nH	12nH	12nH	12nH	10nH	10nH
X400	713-787MHz	809-883MHz	881-955MHz	809-883MHz	881-955MHz	953-1027MHz	977-1054MHz

TUN-19 (2/4)
BOARD NO. 1-885-929-11



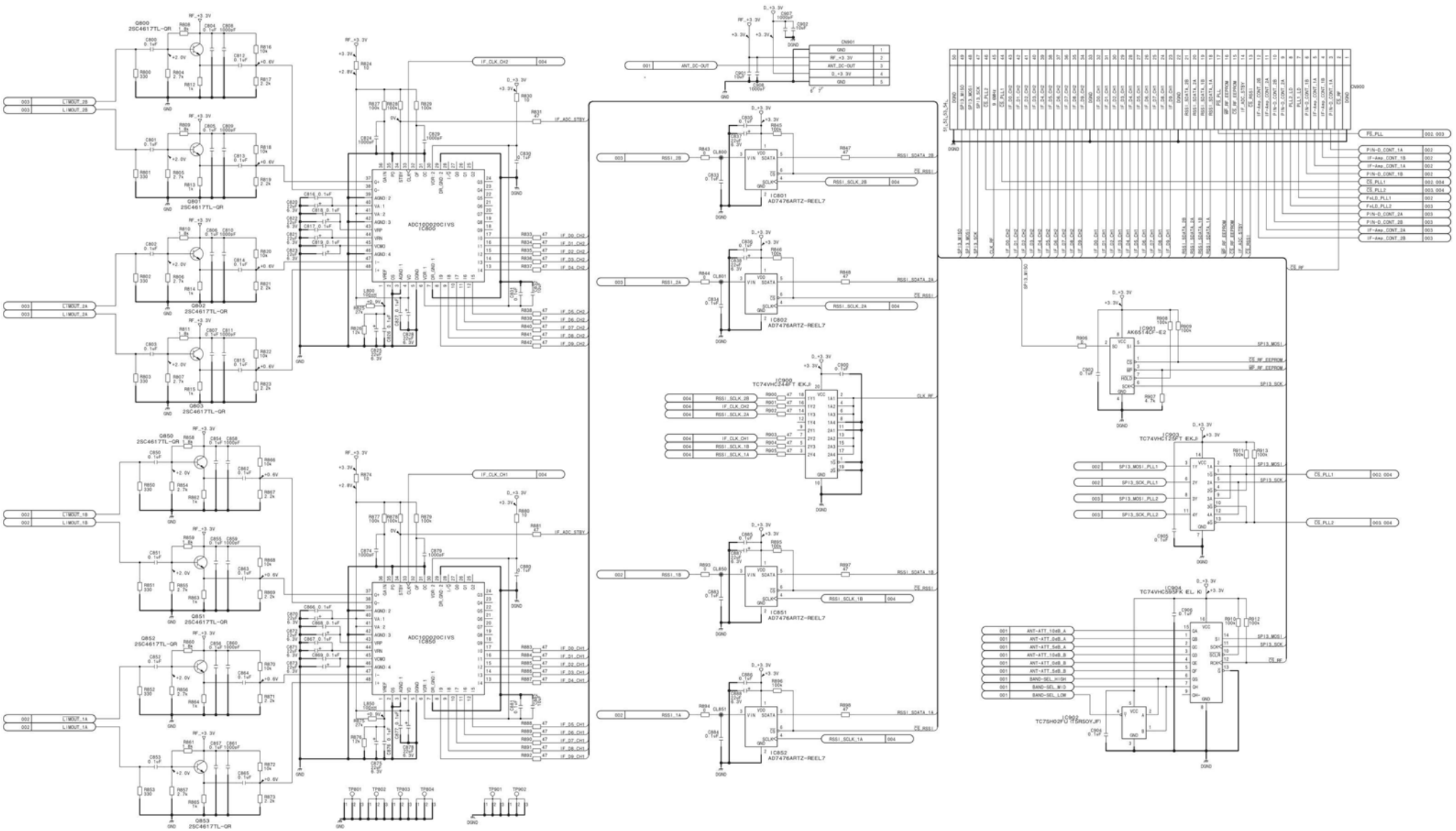
Ref. No.	DESTINATION						
	U1424	U3040	U4250	CE3338	CE4248	CE5157	JAB
C501	7pF	6pF	6pF	6pF	6pF	6pF	5pF
C502	7pF	6pF	5pF	5pF	5pF	5pF	5pF
C503	7pF	6pF	6pF	6pF	6pF	6pF	5pF
C508	9pF	7pF	6pF	7pF	6pF	6pF	5pF
C509	9pF	7pF	6pF	7pF	6pF	6pF	5pF
C601	7pF	6pF	6pF	6pF	6pF	6pF	5pF
C602	7pF	5pF	5pF	5pF	5pF	5pF	5pF
C603	7pF	6pF	6pF	6pF	6pF	6pF	5pF
C608	9pF	7pF	6pF	7pF	6pF	6pF	5pF
C609	9pF	7pF	6pF	7pF	6pF	6pF	5pF
C706	2pF	2pF	2pF	2pF	2pF	2pF	2pF

Ref. No.	DESTINATION						
	U1424	U3040	U4250	CE3338	CE4248	CE5157	JAB
L500	15nH	15nH	12nH	15nH	12nH	10nH	6.8nH
L501	33nH	27nH	22nH	27nH	22nH	18nH	18nH
L502	33nH	27nH	22nH	27nH	22nH	18nH	18nH
L503	15nH	15nH	12nH	15nH	12nH	10nH	6.8nH
L505	33nH	18nH	18nH	18nH	18nH	15nH	15nH
L506	12nH	10nH	8.2nH	10nH	8.2nH	8.2nH	8.2nH
L507	12nH	10nH	8.2nH	10nH	8.2nH	8.2nH	8.2nH
L508	18nH	15nH	12nH	15nH	12nH	10nH	10nH

Ref. No.	DESTINATION						
	U1424	U3040	U4250	CE3338	CE4248	CE5157	JAB
L600	15nH	15nH	12nH	15nH	12nH	10nH	6.8nH
L601	33nH	27nH	22nH	27nH	22nH	18nH	18nH
L602	33nH	27nH	22nH	27nH	22nH	18nH	18nH
L603	15nH	15nH	12nH	15nH	12nH	10nH	6.8nH
L605	33nH	18nH	18nH	18nH	18nH	15nH	15nH
L606	12nH	10nH	8.2nH	10nH	8.2nH	8.2nH	8.2nH
L607	12nH	10nH	8.2nH	10nH	8.2nH	8.2nH	8.2nH
L608	18nH	15nH	12nH	15nH	12nH	10nH	10nH
L700	12nH	12nH	12nH	12nH	12nH	10nH	10nH
L701	12nH	12nH	12nH	12nH	12nH	10nH	10nH
X700	713-787MHz	809-863MHz	881-955MHz	809-863MHz	881-955MHz	953-1027MHz	977-1054MHz

TUN-19 (3/4)
BOARD NO. 1-885-929-11

TUN-19 (4/4)
SUFFIX: -11



CN-3264, CN-3506, CN-3508, HP-158, SW-1481
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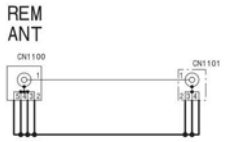
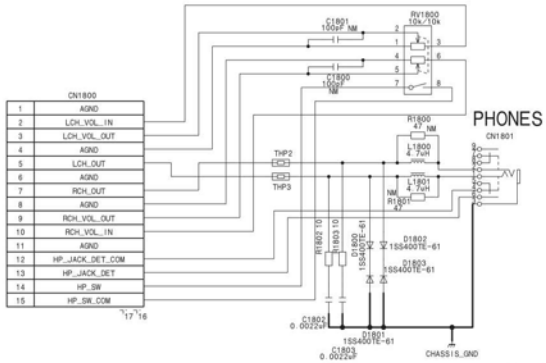
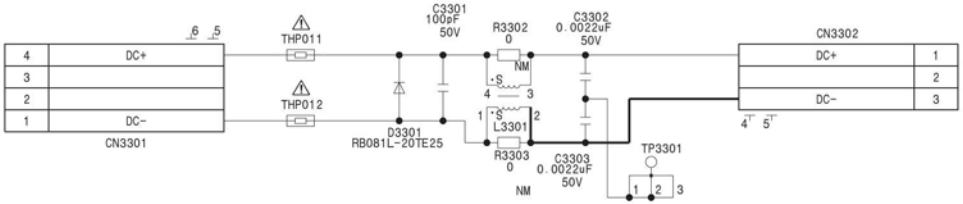


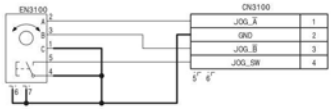
CN-3264
BOARD NO. 1-881-924-11



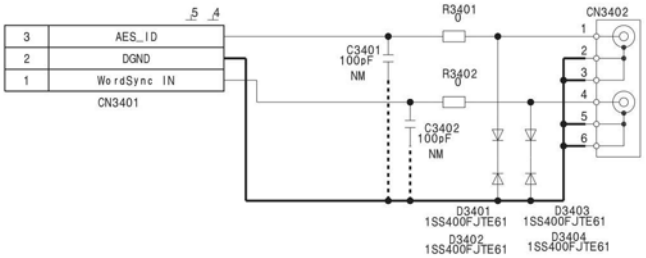
HP-158
BOARD NO. 1-881-926-11



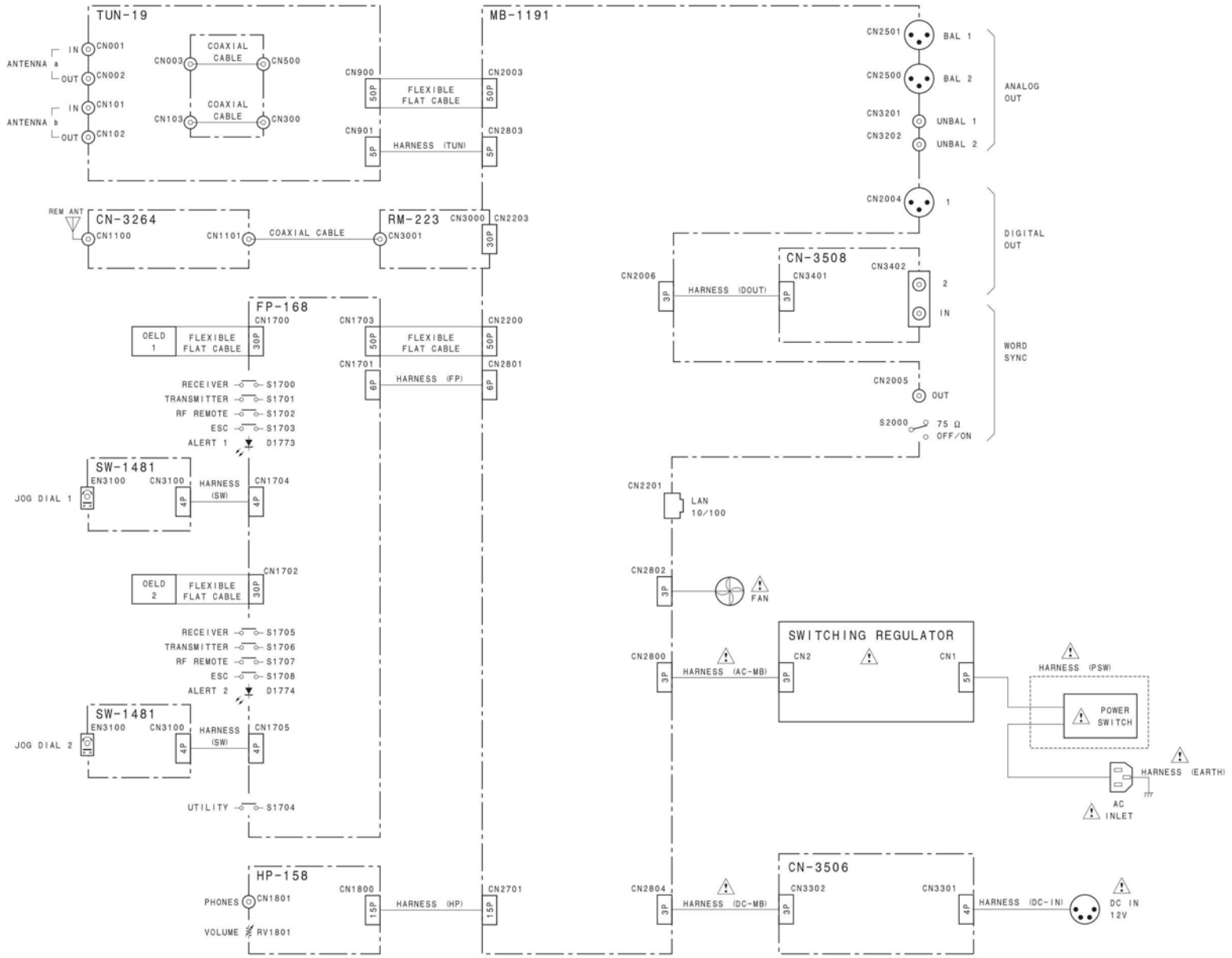
CN-3506
BOARD NO. 1-886-164-11



SW-1481
BOARD NO. 1-881-929-11



CN-3508
BOARD NO. 1-886-221-11

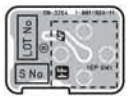

TUN-19
ANTENNA a
IN
CN001
OUT
CN002
ANTENNA b
IN
CN101
OUT
CN102
COAXIAL CABLE
CN003
CN500
COAXIAL CABLE
CN103
CN300
CN900
50P
FLEXIBLE FLAT CABLE
50P
CN2003
CN901
5P
HARNESS (TUN)
5P
CN2803
MB-1191
CN2501
BAL 1
CN2500
BAL 2
ANALOG OUT
CN3201
UNBAL 1
CN3202
UNBAL 2
CN2004
1
DIGITAL OUT
REM ANT
CN-3264
CN1100
CN1101
COAXIAL CABLE
CN3001
RM-223
CN3000
CN2203
30P
CN-3508
CN2006
3P
HARNESS (DOUT)
3P
CN3401
CN3402
2
IN
WORD SYNC
CN2005
OUT
S2000
75 Ω
OFF/ON
FP-168
CN1700
OELD 1
FLEXIBLE FLAT CABLE
30P
CN1703
50P
FLEXIBLE FLAT CABLE
50P
CN2200
CN1701
6P
HARNESS (FP)
6P
CN2801
RECEIVER
S1700
TRANSMITTER
S1701
RF REMOTE
S1702
ESC
S1703
ALERT 1
D1773
SW-1481
EN3100
CN3100
HARNESS (SW)
CN1704
JOG DIAL 1
4P
4P
CN2201
LAN 10/100
CN1702
OELD 2
FLEXIBLE FLAT CABLE
30P
CN2802
3P
FAN
RECEIVER
S1705
TRANSMITTER
S1706
RF REMOTE
S1707
ESC
S1708
ALERT 2
D1774
SWITCHING REGULATOR
CN2800
3P
HARNESS (AC-MB)
3P
CN2
CN1
5P
HARNESS (PSW)
POWER SWITCH
SW-1481
EN3100
CN3100
HARNESS (SW)
CN1705
JOG DIAL 2
4P
4P
HARNESS (EARTH)
AC INLET
UTILITY
S1704
HP-158
PHONES
CN1801
CN1800
15P
HARNESS (HP)
15P
CN2701
VOLUME
RV1801
CN2804
3P
HARNESS (DC-MB)
3P
CN-3506
CN3302
CN3301
4P
HARNESS (DC-IN)
DC IN 12V

CN-3264, CN-3506, CN-3508

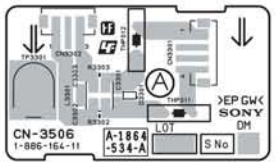
Section 6
Board Layouts

Index

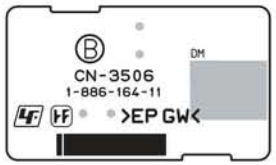
CN-3264 -A SIDE-
SUFFIX: -11



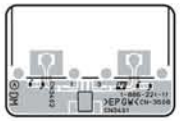
CN-3264 -B SIDE-
SUFFIX: -11



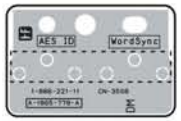
CN-3506 -A SIDE-
SUFFIX: -11



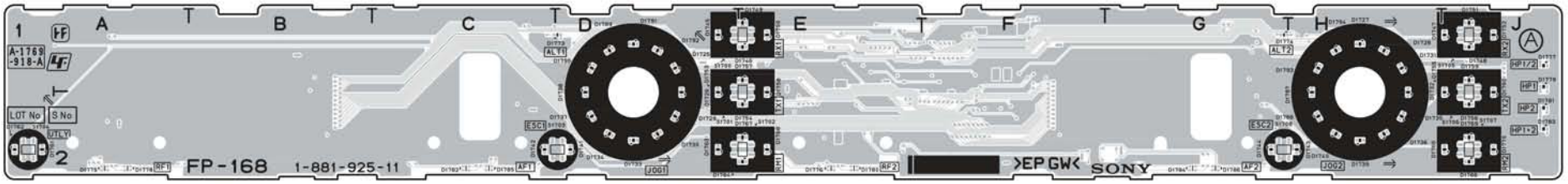
CN-3506 -B SIDE-
SUFFIX: -11



CN-3508 -A SIDE-
SUFFIX: -11



CN-3508 -B SIDE-
SUFFIX: -11



FP-168 -A SIDE-
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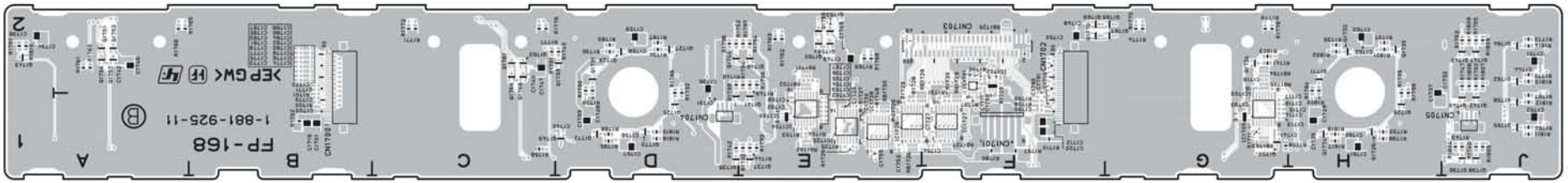

FP-168 -B SIDE-
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FP-168 (1-881-925-11)
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C1701	*B1	C1750	*F2	CN1705	*J1	D1767	E2	Q1731	*D2	R1701	*B1	R1759	*G1	R1806	*J2
C1702	*E1	C1751	*J2			D1768	E2	Q1732	*H2	R1702	*B1	R1760	*A2	R1807	*J2
C1703	*E1	C1752	*J1	D1725	D1	D1769	J2	Q1733	*D2	R1703	*E1	R1761	*A2	R1808	*J2
C1704	*E1	C1753	*E1	D1726	D2	D1770	J2	Q1734	*G2	R1704	*E1	R1762	*E2	R1809	*J2
C1705	*E1	C1754	*F1	D1727	H1	D1773	D1	Q1735	*D1	R1705	*F2	R1763	*E2	R1810	*A2
C1706	*E1	C1755	*E1	D1728	H1	D1774	G1	Q1736	*J1	R1706	*F2	R1764	*J1	R1811	*J1
C1707	*E1	C1756	*D1	D1729	D2	D1775	A2	Q1737	*E1	R1707	*F1	R1765	*A2	R1812	*J1
C1708	*E1	C1757	*D1	D1730	D2	D1776	E2	Q1738	*J1	R1708	*F1	R1766	*A2	R1813	*J2
C1709	*F2	C1758	*D2	D1731	H1	D1777	J1	Q1739	*D1	R1709	*F1	R1767	*J1	R1814	*J2
C1710	*F1	C1759	*D2	D1732	H2	D1778	A2	Q1740	*J1	R1710	*F1	R1768	*E2	R1815	*D1
C1711	*F2	C1760	*H1	D1733	D2	D1779	J1	Q1741	*E1	R1711	*G1	R1769	*E2	R1816	*D1
C1712	*F1	C1761	*H1	D1734	D2	D1780	E2	Q1742	*J1	R1725	*E1	R1770	*J2	R1817	*H1
C1713	*G1	C1762	*H2	D1735	H2	D1781	J2	Q1743	*A2	R1726	*E1	R1771	*C2	R1818	*H1
C1714	*G1	C1763	*H2	D1736	H2	D1782	C2	Q1744	*D2	R1727	*E1	R1772	*C2		
C1715	*G1	C1770	*B1	D1737	D2	D1783	J2	Q1745	*J2	R1728	*E1	R1773	*J2	RB1700	*E1
C1716	*G1	C1771	*B2	D1738	D2	D1784	G2	Q1746	*E2	R1729	*E1	R1774	*G2	RB1701	*E2
C1717	*G1	C1772	*B2	D1739	H2	D1785	C2	Q1747	*J2	R1730	*F1	R1775	*G2	RB1702	*E2
C1718	*G2	C1773	*B2	D1740	H2	D1786	G2	Q1749	*D1	R1731	*F1	R1776	*C2	RB1703	*G1
C1719	*B1	C1774	*B2	D1741	D2	D1787	H2	Q1750	*G1	R1732	*D2	R1777	*C2	RB1704	*G2
C1720	*F1	C1775	*B2	D1742	C2	D1788	H2	Q1751	*A2	R1733	*H1	R1778	*G2	RB1705	*G2
C1725	*E1	C1776	*B2	D1743	H2	D1789	D1	Q1752	*A2	R1734	*D2	R1779	*G2	RB1725	*F2
C1726	*E1	C1777	*B2	D1744	G2	D1790	D1	Q1753	*E2	R1735	*H2	R1780	*F1	RB1726	*E1
C1727	*F1	C1778	*B2	D1745	D1	D1791	D1	Q1754	*A2	R1736	*D2	R1784	*H2	RB1727	*F1
C1728	*D1	C1779	*B2	D1746	E1	D1792	D1	Q1755	*J1	R1737	*H2	R1785	*D1	RB1728	*E1
C1729	*H1	C1780	*B2	D1747	J1	D1793	H1	Q1756	*E2	R1738	*D2	R1786	*D2	RB1729	*F1
C1730	*E1	C1781	*B2	D1748	J1	D1794	H1	Q1757	*A2	R1739	*H2	R1787	*D2	RB1730	*E1
C1731	*D1	C1782	*B2	D1749	E1			Q1758	*J1	R1740	*D2	R1788	*D1		
C1732	*J2	C1783	*B2	D1750	E1	IC1700	*E1	Q1759	*E2	R1741	*G2	R1789	*D2	S1700	E1
C1733	*D1	C1784	*B2	D1751	J1	IC1701	*F2	Q1760	*E2	R1742	*D1	R1790	*D2	S1701	E2
C1734	*A2	C1785	*B2	D1752	J1	IC1702	*F2	Q1761	*C2	R1743	*J1	R1791	*C2	S1702	E2
C1735	*H1	C1786	*B2	D1753	D2	IC1703	*G1	Q1762	*J2	R1744	*E1	R1792	*E1	S1703	D2
C1736	*D2	C1787	*B2	D1754	E2	IC1704	*E1	Q1763	*C2	R1745	*J1	R1793	*E1	S1704	A2
C1737	*H2	C1788	*B2	D1755	J2	IC1705	*G1	Q1764	*J2	R1746	*D2	R1794	*E2	S1705	J1
C1738	*A2	C1789	*F1	D1756	J2	IC1725	*E1	Q1765	*G2	R1747	*J2	R1795	*E2	S1706	J2
C1740	*D1	C1790	*F1	D1757	E1	IC1726	*E1	Q1766	*C2	R1748	*E1	R1796	*D2	S1707	J2
C1741	*G1	C1791	*F1	D1758	E2	IC1727	*F1	Q1767	*G2	R1749	*E2	R1797	*E2	S1708	G2
C1742	*A2	C1792	*E1	D1759	J1	IC1728	*E1	Q1768	*C2	R1750	*J2	R1798	*H1		
C1743	*E2	C1793	*G1	D1760	J2			Q1769	*F2	R1751	*A2	R1799	*H2		
C1744	*J2			D1761	A2	Q1725	*D1	Q1770	*F2	R1752	*D2	R1800	*H2		
C1745	*C2	CN1700	*B2	D1762	A2	Q1726	*H1	Q1771	*H2	R1753	*J2	R1801	*H2		
C1746	*A2	CN1701	*F1	D1763	D2	Q1727	*D2	Q1772	*D1	R1754	*E2	R1802	*H2		
C1747	*C2	CN1702	*F2	D1764	E2	Q1728	*H1	Q1773	*D1	R1755	*J2	R1803	*G2		
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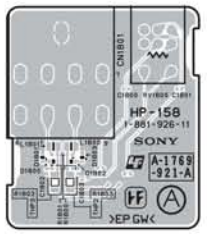
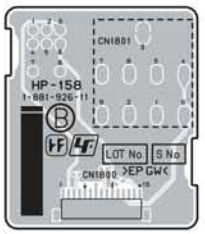
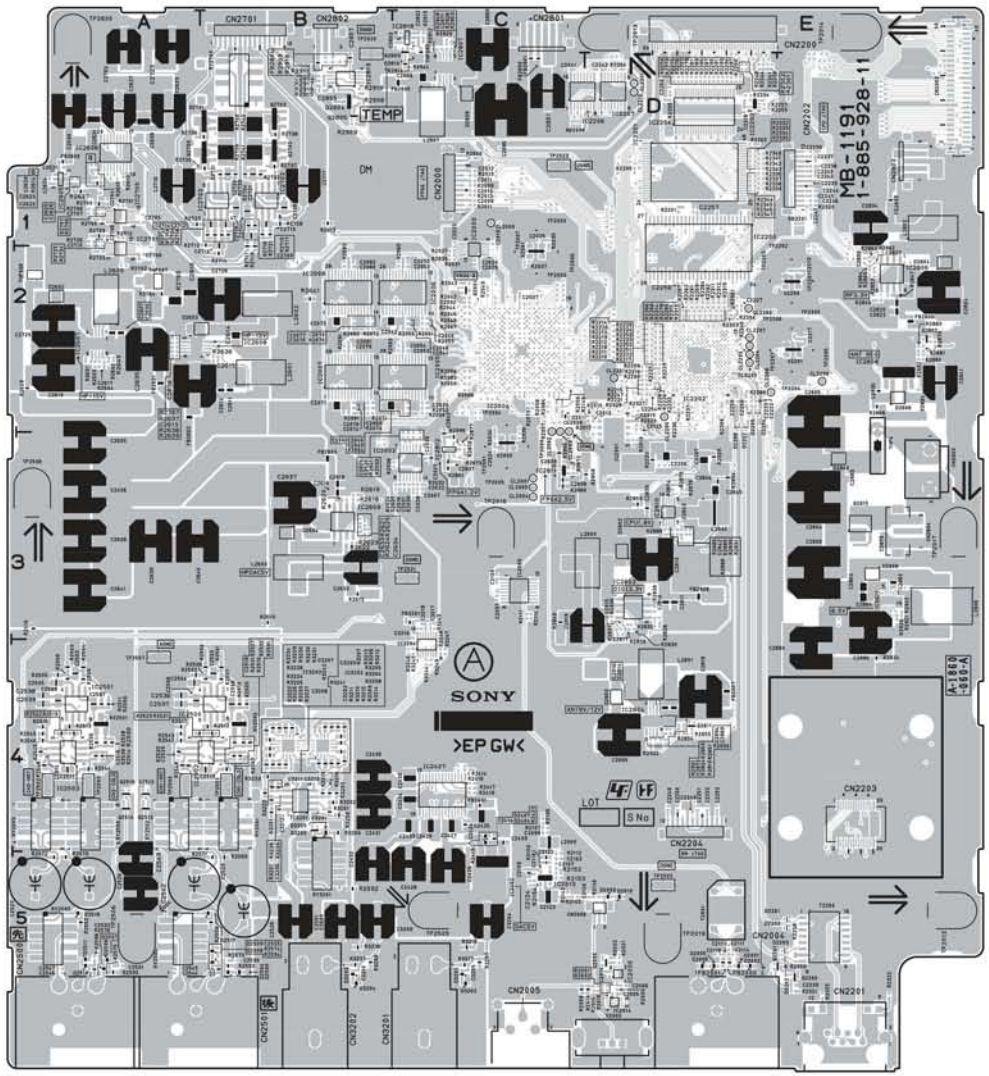


HP-158 -A SIDE-
SUFFIX: -11



HP-158 -B SIDE-
SUFFIX: -11

DWR-R02D



MB-1191 -A SIDE-
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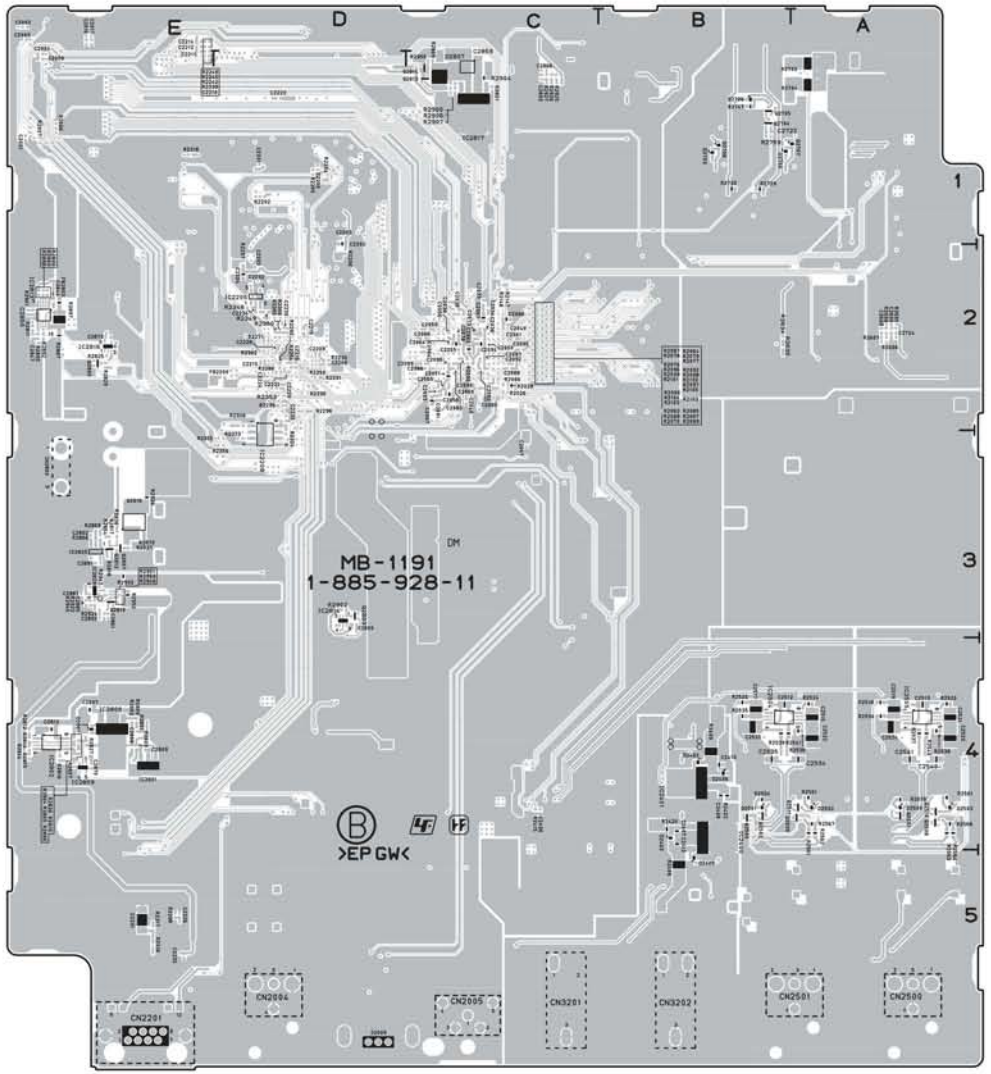

MB-1191 -B SIDE-
SUFFIX: -11

MB-1191 (1-885-928-11)
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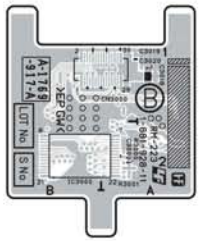
C2001	*E1	C2093	*C2	C2427	C4	C2638	A3	C2890	D4	D2507	A5	IC2801	*E4	R2020	D2	R2154	C5	R2299	D1
C2002	*E1	C2094	*C2	C2428	C5	C2639	A3	C2891	*E3	D2508	B5	IC2802	*E4	R2021	D5	R2200	*D1	R2300	D2
C2003	*E1	C2095	*C2	C2429	C4	C2640	A3	C2892	*E3	D2509	B5	IC2803	D3	R2022	D5	R2201	D1	R2301	D2
C2004	*E1	C2096	*C2	C2430	C4	C2641	A3	C2893	*C1	D2510	A5	IC2804	D4	R2024	C3	R2202	*D1	R2302	*D2
C2005	D5	C2097	C3	C2431	B4	C2703	A1	C2894	D4	D2511	A5	IC2806	E2	R2025	C3	R2203	D1	R2303	D2
C2006	D5	C2099	C4	C2432	B5	C2704	A1	C2895	C1	D2517	B5	IC2807	C1	R2026	*C2	R2204	*D1	R2304	D2
C2007	C3	C2100	C3	C2433	C4	C2705	A1	C3201	B4	D2518	A5	IC2808	E2	R2027	C2	R2205	D1	R2305	*D2
C2009	C1	C2102	C5	C2434	C4	C2706	A1	C3202	B4	D2602	A2	IC2809	*E4	R2028	*C2	R2206	*D2	R2306	*D2
C2010	C1	C2107	C5	C2435	B4	C2707	A1	C3203	B4	D2603	B2	IC2810	D3	R2030	C2	R2207	*D2	R2310	D2
C2011	C1	C2109	C5	C2436	*C4	C2708	A2	C3204	C5	D2604	B3	IC2811	C3	R2031	C2	R2208	D2	R2311	D2
C2012	C1	C2110	C5	C2500	B5	C2709	B1	C3205	C5	D2700	*B1	IC2812	C3	R2032	C3	R2209	D2	R2312	D2
C2013	D2	C2111	D5	C2501	B5	C2710	B1	C3206	B4	D2703	*B1	IC2813	*E2	R2033	C3	R2210	D2	R2313	D2
C2014	D5	C2113	D5	C2502	B4	C2711	B1	C3207	B4	D2706	*B1	IC2814	*D3	R2034	C3	R2211	D2	R2314	D2
C2015	D2	C2114	D5	C2503	A4	C2712	B1	C3208	B4	D2707	*A1	IC2816	*E2	R2035	C1	R2212	D2	R2315	D2
C2016	*E1	C2118	D5	C2504	A4	C2713	B1	C3209	B5	D2708	*B1	IC2817	*C1	R2036	C3	R2213	D2	R2316	*E5
C2017	*E1	C2120	D5	C2505	A4	C2714	B1	C3210	B5	D2800	E3	IC2818	C1	R2037	C2	R2214	D2	R2317	*E5
C2018	C3	C2122	C5	C2506	B4	C2715	A2	C3211	B4	D2801	*E4	IC2819	B1	R2038	C3	R2215	D2	R2318	*E1
C2019	C1	C2123	C5	C2507	A4	C2716	A1	C3212	B4	D2802	D3	IC2820	E3	R2039	C3	R2216	D2	R2320	E1
C2020	C3	C2124	C5	C2508	A4	C2717	B1	C3213	B4	D2803	D4	IC2825	*E3	R2041	C3	R2217	D2	R2321	E5
C2021	C3	C2125	D2	C2509	A4	C2718	B1	C3216	C3	D2804	E2	IC2829	*E3	R2042	C2	R2218	D2	R2322	E5
C2022	C3	C2200	*D1	C2510	B4	C2719	B1	C3217	C3	D2806	E2	IC3201	B4	R2043	C2	R2219	D2	R2323	*D3
C2023	C1	C2201	*D1	C2511	A4	C2720	B1	C3218	C3	D2807	*C1	IC3202	B4	R2044	C2	R2220	D2	R2324	*D3
C2024	C3	C2202	*D1	C2512	*B4	C2721	B1			D2808	E3	IC3203	B4	R2046	C2	R2221	D2	R2325	E5
C2025	C1	C2203	*D1	C2513	*A4	C2722	*B1	CL2000	C1	D2809	C1	IC3204	C4	R2047	C2	R2222	D2	R2326	*D2
C2026	C3	C2204	*D2	C2514	A4	C2723	A1	CL2001	C3	D2810	C1			R2048	C2	R2223	D2	R2327	D2
C2027	C3	C2205	*D2	C2515	*A4	C2724	*A2	CL2002	C2	D3201	C5	L2000	C4	R2049	C2	R2224	D2	R2328	D2
C2028	C3	C2206	D3	C2516	A4	C2725	A2	CL2003	C2	D3202	C5	L2600	A2	R2050	C2	R2225	D2	R2329	D3
C2029	C2	C2207	D3	C2517	*B4	C2726	B2	CL2004	C3	D3203	B5	L2601	B2	R2051	C2	R2226	D2	R2332	D1
C2030	C2	C2208	*D2	C2518	B4	C2800	*D3	CL2005	C3	D3204	B5	L2602	B2	R2052	C2	R2227	D2	R2333	D1
C2031	C3	C2209	*D2	C2519	*A4	C2802	*E3	CL2006	C2	D3205	B4	L2603	B3	R2053	C2	R2228	D2	R2334	D1
C2032	C2	C2210	*E1	C2520	A4	C2804	E3	CL2200	D2			L2800	D3	R2054	C2	R2229	D2	R2335	D1
C2033	*C2	C2211	*E1	C2521	*A4	C2805	E3	CL2201	D2	FB2000	D5	L2801	D4	R2055	C2	R2230	*D2	R2336	D1
C2034	*C2	C2212	*E1	C2522	*A4	C2806	E2	CL2202	D2	FB2001	D5	L2802	E1	R2056	C2	R2231	*D2	R2337	D1
C2035	*C2	C2213	E2	C2523	*A4	C2807	*E4	CL2203	D2	FB2200	*D2	L2804	D3	R2057	C2	R2232	D2	R2338	D1
C2036	*C2	C2214	*E1	C2524	*A4	C2808	*E4	CL2204	D2	FB2401	C4	L2806	E3	R2058	C2	R2233	D3	R2339	D1
C2037	C2	C2215	*D2	C2525	*B4	C2809	*E4	CL2205	D2	FB2600	A1	L2807	C1	R2059	C2	R2234	D1	R2340	D1
C2038	*C2	C2216	*D2	C2526	A5	C2810	D3	CL2206	E2	FB2601	A2			R2062	*C2	R2235	*D2	R2341	D1
C2039	C2	C2217	E2	C2527	A5	C2811	D3	CL2207	D2	FB2602	A2	Q2000	D5	R2063	C2	R2236	D2	R2342	D1
C2040	C2	C2218	D1	C2528	B5	C2812	*E4	CL2208	D2	FB2603	B3	Q2001	C2	R2064	*C2	R2237	D2	R2343	D1
C2041	B2	C2219	*D2	C2529	A5	C2813	D3	CL2210	D1	FB2800	C1	Q2200	E5	R2065	C2	R2238	D1	R2344	D1
C2042	B2	C2220	*D1	C2530	B5	C2814	D4	CL2211	D1	FB2801	C1	Q2201	E5	R2066	C2	R2239	*E1	R2345	D1
C2043	C2	C2221	*D2	C2531	A5	C2815	D3			FB2802	E1	Q2500	*B4	R2067	*C2	R2241	D1	R2346	D1
C2044	C2	C2222	D2	C2532	A5	C2816	D4	CN2000	C1	FB2803	*E2	Q2501	*A4	R2068	*C2	R2242	*E1	R2347	D1
C2045	C2	C2223	D2	C2533	B5	C2817	D3	CN2003	E1	FB2804	B1	Q2502	*B4	R2069	*C2	R2244	D1	R2348	*D2
C2046	C2	C2224	*D2	C2534	*A4	C2818	D4	CN2004	D5	FB2805	C1	Q2508	*A4	R2070	*C2	R2245	*E1	R2349	*D2
C2047	*C3	C2225	*E5	C2535	*B4	C2819	D3	CN2005	C5	FB2806	E2	Q2509	*A4	R2071	B2	R2246	D2	R2350	*D2
C2048	*C2	C2226	*E5	C2536	A4	C2820	E2	CN2006	D5	FB2807	D4	Q2510	*A4	R2072	B2	R2247	D2	R2351	D1
C2049	*C2	C2227	D2	C2537	A4	C2822	E2	CN2200	D1	FB2808	D3	Q2511	*A4	R2073	C2	R2248	D1	R2352	D1
C2050	*C2	C2228	*D2	C2538	A4	C2824	E2	CN2201	E5	FB3201	C3	Q2512	A4	R2074	B2	R2249	*E1	R2353	*D2
C2051	*C2	C2229	*D2	C2539	A4	C2827	E2	CN2202	E1			Q2513	A4	R2075	B2	R2250	*D2	R2354	D1
C2052	C2	C2230	*D2	C2540	*A4	C2830	E2	CN2203	E4	IC2000	D5	Q2514	A4	R2076	*C2	R2251	D2	R2355	*D3
C2053	C2	C2231	*E5	C2541	*A4	C2833	D3	CN2204	D4	IC2001	D2	Q2515	A4	R2077	*C2	R2252	D2	R2356	*D3
C2054	C2	C2232	*D2	C2542	A5	C2834	E1	CN2500	A5	IC2002	C3	Q2700	B1	R2078	*C2	R2253	D2	R2408	*B5
C2055	C2	C2233	E1	C2543	A5	C2835	E2	CN2501	A5	IC2003	C2	Q2701	B1	R2079	*C2	R2254	*D2	R2409	*B4
C2056	*C2	C2234	*D2	C2544	A5	C2837	C3	CN2701	B1	IC2004	C2	Q2702	B1	R2200	*C2	R2255	D1	R2410	A3
C2057	*C2	C2235	*D2	C2545	A5	C2838	C3	CN2800	E3	IC2005	C2	Q2703	B1	R2081	B2	R2257	D1	R2414	C4
C2058	*C2	C2236	E1	C2546	A5	C2839	C3	CN2801	C1	IC2006	C2	Q2704	*B1	R2082	B2	R2258	E5	R2415	*C4
C2059	*C2	C2237	E1	C2547	A5	C2840	C3	CN2802	B1	IC2007	B2	Q2705	*B1	R2083	C2	R2259	E5	R2416	C4
C2060	*C2	C2238	E1	C2605	A3	C2841	E2	CN2803	E1	IC2008	B2	Q2800	*E2	R2084	C2	R2261	D2	R2417	C4
C2061	*C2	C2239	E5	C2606	A2	C2842	D3	CN2804	E3	IC2009	C3	Q2802	E2	R2085	*C2	R2262	D2	R2418	C4
C2062	*C2	C2240	E1	C2607	A2	C2843	D3	CN3201	C5	IC2013	C5	Q2803	*D3	R2086	C2	R2265	D1	R2419	C4
C2063	*C2	C2241	C1	C2608	*A2	C2844	*E2	CN3202	B5	IC2014	D5	Q2804	B1	R2087	*C2	R2266	D2	R2420	*B4
C2064	*C2	C2242	D1	C2609	*A2	C2845	D3			IC2200	D2	Q2805	B1	R2090	*C2	R2267	D2	R2421	C4
C2065	*C2	C2243	E1	C2610	A2	C2846	D3	D2001	D5	IC2201	D1	Q2807	*E3	R2091	B2	R2268	D2	R2422	*B4
C2066	*C2	C2244	E1	C2611	B2	C2847	*E2	D2002	D5	IC2202	D2	Q2809	C1	R2092	*C2	R2269	D2	R2500	B4
C2067	*C2	C2245	E1	C2612	B2	C2850	*E2	D2005	D5	IC2203	D1	Q2810	*E3	R2093	B2	R2270	D1	R2501	B4
C2068	*C2	C2246	E1	C2613	A2	C2851	C1	D2006	D5	IC2204	D1	Q2811	D4	R2095	*C2	R2271	*D2	R2502	A4
C2069	B2	C2247	E1	C2614	B2	C2852	C1	D2009	D5	IC2205	*D2	Q2812	*E3	R2096	*C2	R2273	D1	R2503	A4
C2070	B2	C2248	D4	C2615	B2	C2853	C1	D2010	D5	IC2206	C1	Q2813	*C1	R2097	*C2	R2275	D1	R2504	A4
C2071	B2	C2249	D4	C2616	A2	C2854	B1	D2011	C2	IC2207	D1	Q2814	*C1	R2098	*C2	R2276	D1	R2505	A4
C2072	B2	C2250	D4	C2617	A2	C2855	B1	D2200	E5	IC2208	*D3	Q2815	E3	R2099	*C2	R2277	D1	R2506	B4
C2073	*C2	C2251	D4	C2618	B3	C2857	B1	D2201	E5	IC2400	*B4	Q2816	*E3	R2100	*C2	R2278	D2	R2507	B4
C2074	B2	C2252	D4	C2619	B3	C2859	*C1	D2202	E5	IC2401	*B4	Q3205	B4	R2101	*C2	R2279	D1	R2508	A4
C2075	B2	C2253	D4	C2620	A1	C2860	E3	D2203	E5	IC2402	C5			R2102	*C2	R2280	D2	R2509	A4
C2076	B2	C2254	D2	C2621	A1	C2861	*E3	D2204	D2	IC2407	C4	R2000	C1	R2103	*C2	R2281	D1	R2510	B4
C2077	B2	C2255	*C2	C2622	A1	C2863	E3	D2205	D2	IC2500	B4	R2001	D5	R2104	*C2	R2282	D2	R2511	A4
C2078	*C2	C2256	D2	C2623	A1	C2864	E3	D2206	D2	IC2501	A4	R2002	D5	R2105	*C2	R2283	D1	R2512	B4
C2079	B2	C2257	D1	C2624	A1	C2866	*C1	D2207	D2	IC2502	B4	R2003	D5	R2106	C4	R2284	D2	R2513	A4
C2080	B2	C2258	D2	C2625	A1	C2869	D4	D2402	*B4	IC2503	A4	R2006	*E1	R2107	C4	R2285	D1	R2514	A4
C2081	B2	C2259	D2	C2626	A1	C2870	*E4	D2403	*B4	IC2504	*B4	R2007	*E1	R2111	C3	R2286	*D2	R2515	A4
C2082	B2	C2260	D1	C2627	A1	C2871	C1	D2404	C4	IC2505	*A4	R2008	C5	R2112	C5	R2287	D1	R2516	B4
C2083	*C2	C2406	A3	C2628	A1	C2872	D4	D2405	*B5	IC2605	A1	R2009	C1	R2114	C3	R2288	D2	R2517	A4
C2084	*C2	C2407	*B4	C2629	A1	C2873	*E2	D2406	*B4	IC2606	A1	R2010	D5	R2142	C5	R2290	D1	R2518	*A4
C2085	*C2	C2408	*B4	C2630	A1	C2875	E3	D2407	C4	IC2607	A2	R2011	C1	R2145	C5	R2291	D1	R2519	A4
C2086	*C2	C2409	C4	C2631	A1	C2880	E4	D2500	*A4	IC2608	A2	R2012	C1	R2146	D5	R2292	*D2	R2520	*A4
C2087	*C2	C2412	*B4	C2632	B3	C2883	E3	D2501	*B4	IC2609	B3	R2013	C1	R2147	*C2	R2293	D1	R2521	B4
C2088	*C2	C2413	*B4	C2633	B3	C2885	*E3	D2502	*A4	IC2700	A1	R2014	D5	R2148	*C2	R2294	D1	R2522	A4
C2089	*C2	C2414	C4	C2634	B3	C2886	E3	D2503	*A4	IC2701	A2	R2015	D2	R2149	C2	R2295	*D2	R2523	A4
C2090	*C2	C2424	C4	C2635	A2	C2887	*E3	D2504	B5	IC2702	B1	R2016	D5	R2150	C5	R2296	*D2	R2524	*A4
C2091	*C2	C2425	C4	C2636	A2	C2888	C1	D2505	B5	IC2703	B1	R2017	D3	R2152	C5	R2297	D1	R2525	*B4

R2526	A4	R2706	A1	R2868	*E3	R3213	B4	TP2207	D2										
R2527	B4	R2707	A1	R2869	*E3	R3214	B4	TP2500	A4										
R2528	A4	R2708	A1	R2870	*E3	R3215	B4	TP2501	B4										
R2529	A4	R2709	A1	R2872	C3	R3216	C5	TP2502	A4										
R2530	A4	R2710	B2	R2873	C3	R3217	C5	TP2503	A4										
R2531	B4	R2711	B2	R2874	D3	R3218	B4	TP2505	C5										
R2532	B4	R2712	A1	R2875	D3	R3219	B4	TP2506	A5										
R2533	A4	R2713	B1	R2876	D3	R3221	B4	TP2507	A4										
R2534	*A4	R2714	B2	R2877	C3	R3222	B4	TP2508	A3										
R2535	*B4	R2715	B1	R2878	C3	R3223	B4	TP2600	A1										
R2536	*A4	R2716	B1	R2879	E2	R3224	B4												
R2537	*A4	R2717	B1	R2880	E2	R3225	B4	X2000	C3										
R2538	*A4	R2718	B1	R2881	E2	R3226	B4	X2001	C2										
R2539	*B4	R2719	B1	R2882	E2	R3227	B4	X2200	E2										
R2540	*A4	R2720	B1	R2883	E2	R3228	B4	X2201	E2										
R2541	*B4	R2721	B1	R2884	E2	R3229	B4												
R2542	A4	R2722	B1	R2885	D3	R3230	B4												
R2543	A4	R2723	A2	R2886	D3	R3231	B4												
R2544	A4	R2724	A1	R2887	*E2	R3232	B4												
R2545	A4	R2725	A1	R2888	D3	R3233	B4												
R2546	A4	R2726	A1	R2889	D3	R3234	B4												
R2547	B4	R2727	A1	R2890	D3	R3235	B4												
R2548	A4	R2728	B1	R2891	D3	R3236	B5												
R2549	A4	R2729	*B1	R2892	*E2	R3237	B5												
R2550	B5	R2730	*B1	R2893	*E2	R3238	B4												
R2551	*A4	R2731	B1	R2894	D3	R3239	B4												
R2552	A5	R2732	B1	R2895	C3	R3241	B4												
R2554	*B4	R2733	B1	R2896	C3	R3242	B4												
R2555	B4	R2734	B1	R2897	*E2	R3243	C3												
R2556	A4	R2735	B1	R2898	*E2	R3244	C4												
R2561	*A4	R2736	B1	R2899	*E2	R3245	C4												
R2562	*A4	R2737	B1	R2900	*E2	R3246	C4												
R2563	*A4	R2738	B1	R2901	*E2	R3247	C4												
R2564	*A4	R2739	B1	R2902	*D3	R3248	C4												
R2567	*A4	R2740	B1	R2903	B1	R3249	C4												
R2568	*A4	R2741	B1	R2904	*C1	R3250	B4												
R2569	B5	R2742	B1	R2905	*C1	R3251	B4												
R2570	A5	R2747	*B1	R2906	*C1	R3256	B4												
R2571	B5	R2759	*B1	R2907	*C1	R3257	C5												
R2572	A5	R2760	A2	R2908	B1	R3258	B5												
R2573	B5	R2764	A2	R2909	B1														
R2574	B5	R2767	A2	R2911	B1	RB2200	C1												
R2575	A5	R2800	*E4	R2912	C1	RB2201	E1												
R2576	A5	R2801	*E4	R2913	C1														
R2578	*A4	R2802	*E4	R2914	C1	RV2500	B4												
R2581	*A4	R2803	*E4	R2915	B1	RV2501	A4												
R2590	A4	R2804	*E4	R2916	B1														
R2591	B4	R2805	*E4	R2917	B1	RY2500	A4												
R2592	B5	R2806	*E4	R2918	B1	RY2501	B4												
R2593	B5	R2807	*E4	R2919	B1	RY2502	A4												
R2594	B5	R2809	*C1	R2920	E3	RY2503	A4												
R2595	A5	R2810	D4	R2921	E3	RY2504	A5												
R2596	A5	R2811	*E2	R2922	E3	RY2505	A5												
R2601	A2	R2812	*E4	R2923	*E3	RY2700	B1												
R2602	A2	R2813	*E4	R2924	*E3	RY3201	B5												
R2603	A2	R2814	*E4	R2925	*C1														
R2604	A2	R2815	*E4	R2926	*C1	S2000	D5												
R2605	*A2	R2816	*E4	R2927	*C1														
R2606	*A2	R2817	*E3	R2928	C1	T2001	D5												
R2607	*A2	R2818	*E3	R2929	C1	T2200	E5												
R2608	*A2	R2819	*E4	R2930	D4														
R2609	A2	R2821	*C1	R2931	D4	THP4	E3												
R2610	B3	R2824	D4	R2932	D4	THP005	C1												
R2612	A1	R2825	*E2	R2933	*E3	THP006	A2												
R2613	B3	R2826	*E4	R2934	E4	THP007	A2												
R2614	A1	R2827	*E4	R2937	*E3														
R2615	A1	R2828	D3	R2938	*E3	TP2000	C3												
R2617	B1	R2829	*E2	R2939	*E3	TP2001	C3												
R2618	B3	R2830	D3	R2944	C1	TP2002	C1												
R2619	B3	R2832	D3	R2945	*E3	TP2003	C2												
R2620	B3	R2836	D3	R2946	*E3	TP2004	C2												
R2621	B3	R2837	D3	R2947	*E3	TP2005	C3												
R2622	B3	R2838	D3	R2948	C1	TP2006	C2												
R2623	B3	R2839	D3	R2950	*E3	TP2007	C2												
R2624	B3	R2845	E2	R2951	*E3	TP2012	E5												
R2625	B3	R2847	E2	R2952	*E3	TP2013	D1												
R2627	A1	R2849	C3	R2953	C1	TP2014	E1												
R2634	*B2	R2850	D4	R2954	*E3	TP2016	C3												
R2635	*B2	R2851	D4	R2955	*C1	TP2017	E3												
R2636	B2	R2853	E2	R3201	B4	TP2019	D5												
R2637	A2	R2854	D4	R3202	B4	TP2020	B1												
R2638	A2	R2855	D4	R3203	B4	TP2021	C3												
R2639	A2	R2858	D3	R3204	B4	TP2022	D5												
R2641	B2	R2859	D3	R3205	B4	TP2023	C1												
R2645	A2	R2860	C3	R3206	B4	TP2200	E2												
R2700	A1	R2861	C3	R3207	B4	TP2201	E2												
R2701	A1	R2862	E2	R3208	B4	TP2202	E2												
R2702	A2	R2863	E2	R3209	B4	TP2203	D2												
R2703	*A1	R2864	E2	R3210	B4	TP2204	E2												
R2704	*A1	R2865	E2	R3211	B4	TP2205	E2												
R2705	A1	R2866	E2	R3212	B4	TP2206	E2												

DWR-R02D

RM-223 -A SIDE-
SUFFIX: -11



RM-223 -B SIDE-
SUFFIX: -11

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RM-223 (1-881-928-11)
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*:B SIDE

C3000  *A2
C3001   B2
C3002   B2
C3003   B1
C3004   B1
C3005   A1
C3006   A1
C3007   A2
C3008   A2
C3009   A2
C3010   A2
C3011   A2
C3012   A2
C3013   A2
C3014   A2
C3015   A1
C3016   A1
C3017   A1
C3018  *A1
C3019  *A1
C3020  *A1
C3021   A1
C3022   A1
C3023   A1

CN3000 *A1
CN3001  A1

D3000   B1
D3001   B1
D3002   B1
D3003   B1

FL3000  A1

IC3000 *B2
IC3001  B2
IC3002  B1
IC3003  A1
IC3004  A1

L3000   A1
L3001   A1
L3002   A1

R3000  *A2
R3001  *A2
R3002   B1
R3003   B1
R3004   B1
R3005   A1
R3006   A1
R3007   A2
R3008   A1
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R3012   A1
R3013   A1
R3014   B1

X3000   A2
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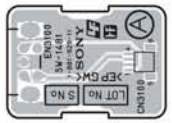
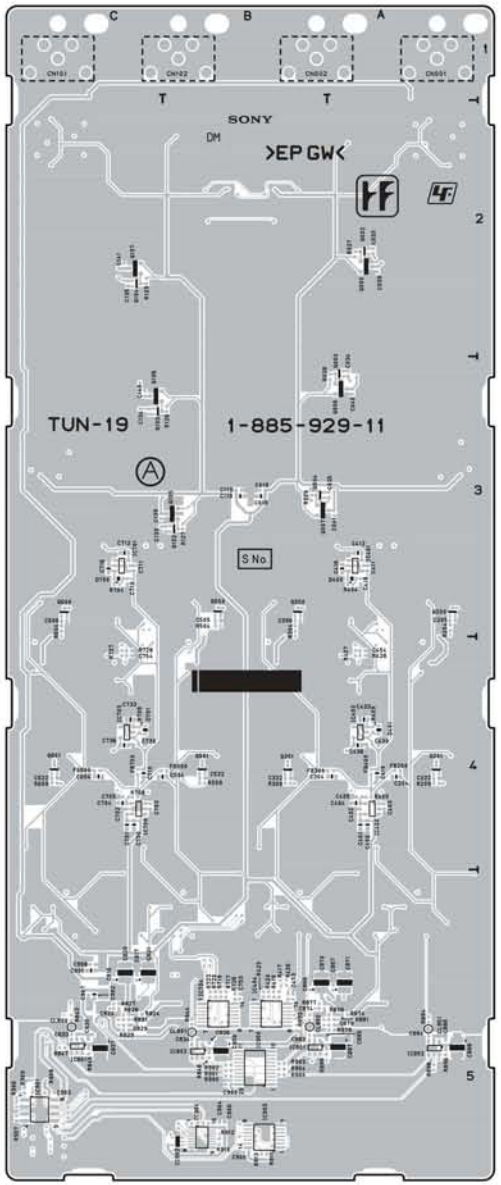


SW-1481 -A SIDE-
SUFFIX: -11

SW-1481 -B SIDE-
SUFFIX: -11



TUN-19 -A SIDE-
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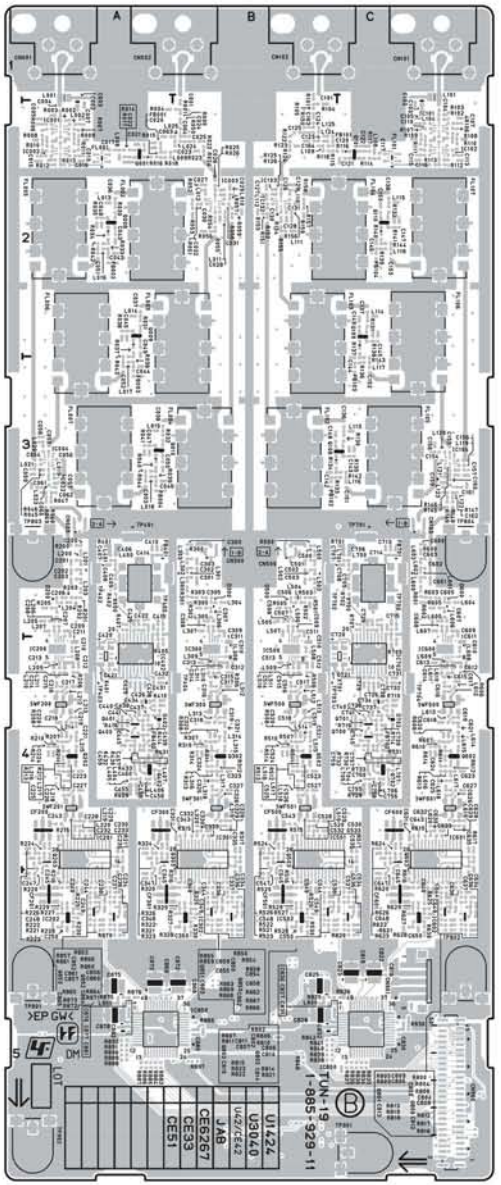

TUN-19 -B SIDE-
SUFFIX: -11

TUN-19 (1-885-929-11)
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*:B SIDE

C001	*B1	C128	*B2	C302	*B3	C441	*A4	C626	*C4	C811	*B5	CN001	*A1	IC852	A5	L313	*B4	Q202	*A4	R107	*C2	R311	*B4	R613	*C4	R846	B5	X400	*A3
C002	*A2	C129	*B2	C303	*B3	C442	*A4	C627	*C4	C812	*C5	CN002	*B1	IC900	B5	L314	*B4	Q203	*A4	R108	*C2	R312	*B4	R614	*C4	R847	C5	X401	*A4
C003	*A2	C130	*B2	C304	A4	C443	*A4	C628	*C4	C813	*C5	CN003	*A3	IC901	C5	L315	*B4	Q300	B3	R109	*C2	R313	*B4	R615	*C4	R848	*B5	X700	*C3
C004	*A2	C131	*B2	C305	*B3	C444	*A4	C629	*C4	C814	*C5	CN101	*C1	IC902	B5	L316	*B4	Q301	B4	R110	*C2	R314	*B4	R616	*C5	R850	*B5	X701	*C4
C005	*A2	C132	*B2	C306	B3	C445	*A4	C630	*C4	C815	*B5	CN102	*B1	IC903	B5	L317	*B4	Q302	*B4	R111	*C2	R315	*B4	R617	*C4	R851	*B5		
C006	*A2	C133	B3	C307	*B3	C453	B5	C631	*C4	C816	C5	CN103	*C3	IC904	B5	L318	*B4	Q303	*A4	R112	*C2	R316	*B5	R619	*C4	R852	*A5		
C007	*A2	C134	C3	C308	*B3	C454	A4	C632	*C4	C817	C5	CN300	*B3			L319	*B4	Q400	*A4	R113	*C2	R317	*B4	R620	*C5	R853	*A5		
C008	*A2	C135	C2	C309	*B3	C455	*A4	C633	*C4	C818	*C5	CN500	*B3	L001	*A1	L320	*B4	Q401	*A4	R114	*C2	R319	*A4	R621	*C4	R854	*B5		
C009	*A2	C136	*C3	C310	*B4	C456	*A4	C634	*C4	C819	*C5	CN900	*C5	L002	*A2	L400	*A3	Q402	*A4	R115	*B2	R320	*A5	R622	*C4	R855	*B5		
C010	*A2	C137	*C2	C311	*B3	C457	*A4	C635	*C4	C820	C5	CN901	*C5	L003	*A2	L401	*A3	Q500	B3	R116	*C2	R321	*A4	R623	*C4	R856	*A5		
C011	*A2	C138	*C2	C312	*B4	C458	*A4	C636	*C4	C821	C5			L004	*A2	L402	*A4	Q501	B4	R117	*C2	R322	*A4	R624	*C4	R857	*A5		
C012	*A2	C139	C3	C313	*B4	C459	*A4	C637	*C5	C822	*C5	D200	*A3	L005	*A2	L403	*A4	Q502	*B4	R118	*B2	R323	*A4	R625	*C5	R858	*B5		
C013	*A2	C140	C3	C314	*B4	C460	*A4	C638	*C5	C823	*C5	D300	*B3	L006	*A2	L404	*A4	Q503	*B4	R122	*B2	R324	*A4	R626	*C4	R859	*B5		
C014	*A2	C141	C2	C315	*B4	C500	*B3	C639	*C5	C824	C5	D400	A3	L007	*A2	L405	*A4	Q600	C3	R123	*B2	R325	*B5	R627	*C5	R860	*A5		
C015	*A2	C142	*B3	C316	*B4	C501	*B3	C640	*C5	C825	*B5	D401	A4	L008	*A2	L406	*A4	Q601	C4	R124	*B2	R326	*A4	R628	*C5	R861	*A5		
C016	*A2	C143	*C3	C317	*B4	C502	*B3	C641	*C5	C826	*B5	D402	*A4	L009	*A2	L407	*A4	Q602	*C4	R125	*B2	R327	*B5	R629	*C5	R862	*B5		
C017	*A2	C144	*C3	C318	*B4	C503	*B3	C642	*C5	C827	*B5	D500	*B3	L010	*B2	L500	*B3	Q603	*C4	R126	*B2	R328	*B5	R630	*C5	R863	*B5		
C018	B3	C145	*C2	C319	*B4	C504	C4	C643	*C4	C828	*B5	D600	*C3	L011	*B2	L501	*B3	Q700	*C4	R127	B3	R329	*B5	R700	C4	R864	*A5		
C019	B3	C146	*C2	C320	*B4	C505	B3	C644	*C5	C829	C5	D700	C3	L012	*B2	L502	*B3	Q701	*C4	R128	B3	R330	*B5	R701	*C3	R865	*A5		
C020	*A2	C147	*C2	C321	*B4	C506	*B3	C645	*C5	C830	*C5	D701	C4	L013	*A2	L503	*B3	Q702	*C4	R129	C2	R400	A4	R702	*C3	R866	*B5		
C021	*A2	C148	*B3	C322	B4	C507	*B3	C646	*C4	C831	*B5	D702	*C4	L014	*A2	L504	*B3	Q800	*C5	R130	*C3	R401	*A3	R703	*C3	R867	*B5		
C022	*A2	C149	*C2	C323	*B4	C508	*B3	C647	*C5	C832	*B5			L015	*A3	L505	*B3	Q801	*C5	R131	*C2	R402	*A3	R704	C3	R868	*B5		
C023	*B2	C150	*C2	C324	*B4	C509	*B3	C648	*C4	C833	C5	FB001	*A2	L016	*A2	L506	*B3	Q802	*C5	R132	*C2	R403	*A3	R705	*C4	R869	*B5		
C024	*B2	C151	*C3	C325	*B4	C510	*B4	C649	*C5	C834	B5	FB002	*A2	L017	*A3	L507	*B3	Q803	*B5	R133	*B3	R404	A3	R706	*C3	R870	*A5		
C025	*B2	C152	*C3	C326	*B4	C511	*B3	C650	*C5	C835	C5	FB003	*A3	L018	*A3	L508	*B4	Q850	*B5	R134	*B3	R405	*A4	R707	*C3	R871	*A5		
C026	*B2	C153	*C2	C327	*B4	C512	*B4	C651	*C5	C836	B5	FB004	*A3	L019	*A3	L509	*B4	Q851	*B5	R135	*C3	R406	*A3	R708	*C4	R872	*A5		
C027	*B2	C154	*C3	C328	*B4	C513	*B4	C700	C4	C837	C5	FB101	*B2	L020	*A3	L510	*B4	Q852	*A5	R136	*C3	R407	*A3	R709	C4	R873	*A5		
C028	*B2	C155	*C3	C329	*B4	C514	*B4	C701	C4	C838	B5	FB102	*B3	L021	*A3	L511	*B4	Q853	*A5	R137	*C2	R408	*A4	R710	*C4	R874	A5		
C029	*B2	C156	*C3	C330	*B4	C515	*B4	C702	C4	C850	*B5	FB103	*C3	L022	*A3	L512	*B4			R138	*C2	R409	A4	R711	*C4	R875	*A5		
C030	*B2	C157	*C3	C331	*B4	C516	*B4	C703	C4	C851	*B5	FB104	*C2	L023	*A3	L513	*B4	R001	*B2	R139	*C2	R410	*A4	R712	*C4	R876	*A5		
C031	*B2	C158	*C3	C332	*B4	C517	*B4	C704	C4	C852	*A5	FB200	A4	L024	*B2	L514	*B4	R002	*A2	R140	*C2	R411	*A4	R713	*C4	R877	B5		
C032	*B2	C159	*C3	C333	*B4	C518	*B4	C705	C4	C853	*A5	FB300	A4	L025	*B2	L515	*B4	R003	*A2	R141	*C2	R412	*A4	R714	*C4	R878	A5		
C033	A2	C160	*C3	C334	*B4	C519	*B4	C706	*C3	C854	*B5	FB400	A4	L101	*C1	L516	*B4	R004	*B2	R142	*C3	R413	*A4	R715	*C4	R879	A5		
C034	A3	C161	*C3	C335	*B4	C520	*B4	C707	*C3	C855	*B5	FB401	*A3	L102	*C2	L517	*B4	R005	*B2	R143	*C3	R414	*A4	R716	*C4	R880	*B5		
C035	A3	C162	*C3	C336	*B4	C521	*B4	C708	*C3	C856	*A5	FB402	*A4	L103	*C2	L518	*B4	R006	*A2	R144	*C2	R415	*A4	R717	B5	R881	A5		
C036	*A2	C163	*B2	C337	*B5	C522	B4	C709	*C3	C857	*A5	FB500	B4	L104	*C2	L519	*B4	R007	*A2	R145	*C3	R416	*A4	R719	B5	R883	*A5		
C037	*A2	C164	*B2	C338	*B5	C523	*B4	C710	C4	C858	*B5	FB600	C4	L105	*C2	L520	*B4	R008	*A2	R146	*C3	R417	B5	R720	B5	R884	*A5		
C038	*A3	C200	*A3	C339	*B5	C524	*B4	C711	C3	C859	*B5	FB700	C4	L106	*C2	L600	*C3	R009	*A2	R147	*C3	R419	B5	R723	B5	R885	*A5		
C039	A2	C201	*A3	C340	*B5	C525	*B4	C712	C3	C860	*A5	FB701	*C3	L107	*C2	L601	*C3	R010	*A2	R148	*C3	R420	B5	R726	B5	R886	*A5		
C040	A3	C202	*A3	C341	*B5	C526	*B4	C713	*C3	C861	*A5	FB702	*C4	L108	*C2	L602	*C3	R011	*A2	R149	*C3	R423	B5	R727	C4	R887	*A5		
C041	A3	C203	*A3	C342	*B5	C527	*B4	C714	*C3	C862	*B5			L109	*B2	L603	*C3	R012	*A2	R150	*B2	R426	B5	R728	C4	R888	*A5		
C042	*A2	C204	A4	C343	*B4	C528	*B4	C715	*C3	C863	*B5	FL001	*A2	L110	*B2	L604	*C3	R013	*A2	R151	*B2	R427	A4	R729	*C4	R889	*A5		
C043	*A2	C205	A3	C344	*B5	C529	*B4	C716	C3	C864	*A5	FL002	*A2	L111	*B2	L605	*C3	R014	*A2	R152	*B2	R428	A4	R730	*C4	R890	*A5		
C044	*A3	C206	*A3	C345	*A5	C530	*B4	C717	*C4	C865	*A5	FL003	*B2	L112	*B2	L606	*C3	R015	*A2	R153	*B2	R429	*A4	R731	*C4	R891	*A5		
C045	*A2	C207	*A3	C346	*A4	C531	*B4	C718	*C3	C866	B5	FL004	*B3	L113	*C3	L607	*C3	R016	*A2	R154	*B2	R430	*A4	R732	*C4	R892	*A5		
C046	*A3	C208	*A3	C347	*A5	C532	*B4	C719	C3	C867	A5	FL005	*A2	L114	*C2	L608	*C4	R017	*A2	R155	*B2	R431	*A4	R733	*C4	R893	B5		
C047	*A3	C209	*A3	C348	*A4	C533	*B4	C720	*C4	C868	*B5	FL006	*A2	L115	*C2	L609	*C4	R018	*A2	R156	*B2	R432	*A4	R800	*C5	R894	A5		
C048	*A2	C210	*A4	C349	*B5	C534	*C4	C721	*C4	C869	*A5	FL007	*A3	L116	*C3	L610	*C4	R022	*B2	R157	*B2	R433	*A4	R801	*C5	R895	B5		
C049	*A2	C211	*A3	C350	*B5	C535	*C4	C722	*C3	C870	B5	FL101	*C2	L117	*C3	L611	*C4	R023	*B2	R158	*B2	R500	*B3	R802	*C5	R896	A5		
C050	*A3	C212	*A4	C351	*B5	C536	*C4	C723	*C3	C871	A5	FL102	*B3	L118	*C2	L612	*C4	R024	*B2	R159	*B2	R501	*B3	R803	*B5	R897	*B5		
C051	*A2	C213	*A4	C400	A4	C537	*C5	C724	*C3	C872	*B5	FL103	*B2	L119	*C3	L613	*C4	R025	*B2	R200	*A3	R502	*B3	R804	*C5	R898	A5		
C052	*A3	C214	*A4	C401	A4	C538	*C5	C725	*C3	C873	*A5	FL104	*C2	L120	*C3	L614	*C4	R026	*B2	R201	*A3	R503	*B3	R805	*C5	R900	B5		
C053	*A3	C215	*A4	C402	A4	C539	*B5	C726	*C4	C874	B5	FL105	*C3	L121	*C3	L615	*C4	R027	A2	R202	*A3	R504	B3	R806	*C5	R901	B5		
C054	*A3	C216	*A4	C403	A4	C540	*B5	C727	*C4	C875	*A5	FL106	*C2	L122	*C3	L616	*C4	R028	A3	R203	*A3	R505	*B3	R807	*B5	R902	B5		
C055	*A3	C217	*A4	C404	A4	C541	*B5	C728	*C4	C876	*A5	FL107	*C2	L123	*C3	L617	*C4	R029	B3	R204	A3	R506	*B4	R808	*C5	R903	B5		
C056	*A3	C218	*A4	C405	A4	C542	*B5	C729	*C4	C877	*A5			L124	*B2	L618	*C4	R030	*A2	R205	*A3	R507	*B4	R809	*C5	R904	B5		
C057	*A3	C219	*A4	C406	*A3	C543	*B4	C730	C4	C878	*A5	IC001	*A2	L125	*B2	L619	*C4	R031	*A2	R206	*A4	R508	*B4	R810	*C5	R905	B5		
C058	*A3	C220	*A4	C407	*A3	C544	*B5	C731	*C4	C879	A5	IC002	*A2	L200	*A3	L620	*C4	R032	*A3	R207	*A4	R509	B4	R811	*B5	R906	C5		
C059	*A3	C221	*A4	C408	*A3	C545	*B5	C732	*C4	C880	*B5	IC003	*B2	L201	*A3	L700	*C3	R033	*A2	R208	*A4	R510	*B4	R812	*C5	R907	C5		
C060	*A3	C222	A4	C409	*A3	C546	*B4	C733	C4	C881	*A5	IC004	*A3	L202	*A3	L701	*C3	R034	*A2	R209	A4	R511	*B4	R813	*C5	R908	C5		
C061	*A3	C223	*A4	C410	A4	C547	*B5	C734	*C4	C882	*A5	IC101	*C2	L203	*A3	L702	*C4	R035	*A2	R210	*A4	R512	*B4	R814	*C5	R909	C5		
C062	*A3	C224	*A4	C411	A3	C548	*B4	C735	*C4	C883	B5	IC102	*C2	L204	*A3	L703	*C4	R036	*A3	R211	*A4	R513	*B4	R815	*B5	R910	B5		
C063	*A2	C225	*A4	C412	A3	C549	*B5	C736	C4	C884	A5	IC103	*B2	L205	*A3	L704	*C4	R037	*A2	R212	*A4	R514	*B4	R816	*C5	R911	B5		
C064	*B2	C226	*A4	C413	*A3	C550	*B5	C737	*C4	C885	B5	IC104	*C3	L206	*A3	L705	*C4	R038	*A2	R213	*A4	R515	*B4	R817	*C5	R912	B5		
C101	*B1	C227	*A4	C414	*A3	C551	*B5	C738	*C4	C886	A5	IC200	*A4	L207	*A3	L706	*C4	R039	*A3	R214	*A4	R516	*B5	R818	*C5	R913	B5		
C102	*C1	C228	*A4	C415	*A3	C600	*C3	C739	*C4	C887	A5	IC201	*A4	L208	*A4	L707	*C4	R040	*A3	R215	*A4	R517	*C4	R819	*C5				
C103	*C2	C229	*A4	C416	A3	C601	*C3	C740	*C4	C888	A5	IC202	*A5	L209	*A4	L800	*B5	R041	*A3	R216	*A5	R519	*B4	R820	*C5	SWF200	*A4		
C104	*C2	C230	*A4	C417	*A4	C602	*C3	C741	*C4	C900	B5	IC300	*B4	L210	*A4	L850	*A5	R042	*A2	R217	*A4	R520	*B5	R821	*C5	SWF201	*A4		
C105	*C2	C231	*A4	C418	*A3	C603	*C3	C742	*C4	C901	C5	IC301	*B4	L211	*A4			R043	*A3	R219	*A4	R521	*B4	R822	*B5	SWF300	*B4		
C106	*C2	C232	*A4	C419	A3	C604	C4	C743	*C4	C902	C5	IC302	*B5	L212	*A4	Q001	*A2	R044	*A3	R220	*A5	R522	*B4	R823	*B5	SWF301	*B4		
C107	*C2	C233	*A4	C420	*A4	C605	*C3	C744	*C4	C903	C5	IC400	A4	L213	*A4	Q002	A2	R045	*A3	R221	*A4	R523	*B4	R824	C5	SWF500	*B4		
C108	*C2	C234	*A4	C421	*A4	C606	C3	C745	*C4	C904	B5	IC401	A3	L214	*A4	Q003	A3	R046	*A3	R222	*A4	R524	*B4	R825	*B5	SWF501	*B4		
C109	*C2	C235	*A4	C422	*A3	C607	*C3	C753	B5	C905	B5	IC402	*A4	L215	*A4	Q004	B3	R047	*A3	R223	*A4	R525	*B5	R826	*C5	SWF600	*C4		
C110	*C2	C236	*A4	C423	*A3	C608	*C3	C754	C4	C906	B5	IC403	A4	L216	*A4	Q005	A2	R048	*A3	R224	*A4	R526	*B4	R827	C5	SWF601	*C4		
C111	*C2	C237	*A5	C424	*A3	C609	*C3	C755	*C4	C907	C5	IC404	B5	L217	*A4	Q006	A3	R049	*A3	R225	*A5	R527	*B5	R828	C5				
C112	*C2	C238	*A5	C425	*A3	C610	*C4	C756	*C4	C908	C5	IC500	*B4	L218	*A4	Q007	B3	R050	*B2	R226	*A4	R528	*B5	R829	C5	TP400	*A3		
C113	*C2	C239	*A5	C426	*A4	C611	*C3	C757	*C4			IC501	*B4	L219	*A4	Q008	*A2	R051	*B2	R227	*A5	R529	*B5	R830	*C5	TP401	*A3		
C114	*C2	C240	*A5	C427	*A4	C612	*C4	C758	*C4	CF200	*A4	IC502	*B5	L220	*A4	Q009	*A2	R052	*B2	R228	*A5	R530	*B5	R831	C5	TP402	*A3		
C115	*C2	C241	*A5	C428	*A4	C613	*C4	C759	*C4	CF201	*A5	IC600	*C4	L300	*B3	Q010	*A3	R053	*B2	R229	*A5	R600	*C3	R833	*C5	TP403	*A4		
C116	*C2	C242	*A5	C429	*A4	C614	*C4	C760	*C4	CF300	*A4	IC601	*C4	L301	*B3	Q101	*C2	R054	*B2	R230	*A5	R601	*C3	R834	*C5	TP404	*B4		
C117	*C2	C243	*A4	C430	A4	C615	*C4	C800	*C5	CF301	*A5	IC602	*C5	L302	*B3	Q102	B3	R055	*B2	R300	*B3	R602	*C3	R835	*C5	TP700	*C3		
C118	B3	C244	*A5	C431	*A4	C616	*C4	C801	*C5	CF500	*B4	IC700	C4	L303	*B3	Q103	C3	R056	*B2	R301	*B3	R603	*C3	R836	*C5	TP701	*C3		
C119	B3	C245	*A5	C432	*A4	C617	*C4	C802	*C5	CF501	*B5	IC701	C3	L304	*B3	Q104	C2	R057	*B2	R302	*B3	R604	C3	R837	*C5	TP702	*B3		
C120	*B2	C246	*A4	C433	A4	C618	*C4	C803	*B5	CF600	*C4	IC702	*C4	L305	*B3	Q105	B3	R058	*B2	R303	*B3	R605	*C3	R838	*B5	TP703	*B4		
C121	*C2	C247	*A5	C434	*A4	C619	*C4	C804	*C5	CF601	*C5	IC703	C4	L306	*B3	Q106	C3	R059	*B2	R304	B3	R606	*C4	R839	*B5	TP704	*C4		
C122	*C2	C248	*A4	C435	*A4	C620	*C4	C805	*C5			IC704	B5	L307	*B3	Q107	C2	R101	*B2	R305	*B3	R607	*C4	R840	*B5	TP801	*A5		
C123	*B2	C249	*A5	C436	A4	C621	*C4	C806	*C5	CL800	C5	IC800	*C5	L308	*B4	Q108	*C3	R102	*C2	R306	*B4	R608	*C4	R841	*B5	TP802	*C5		
C124	*B2	C250	*A5	C437	*A4	C622	C4	C807	*B5	CL801	B5	IC801	C5	L309	*B4	Q109	*C2	R103	*C2	R307	*B4	R609	C4	R842	*B5	TP803	*A3		
C125	*B2	C251	*A5	C438	*A4	C623	*C4	C808	*C5	CL850	B5	IC802	B5	L310	*B4	Q110	*C2	R104	*B2	R308	*B4	R610	*C4	R843	C5	TP804	*C3		
C126	*B2	C300	*B3	C439	*A4	C624	*C4	C809	*C5	CL851	A5	IC850	*A5	L311	*B4	Q200	A3	R105	*B2	R309	B4	R611	*C4	R844	B5	TP901	*C5		
C127	*B2	C301	*B3	C440	*A4	C625	*C4	C810	*C5			IC851	B5	L312	*B4	Q201	A4	R106	*C2	R310	*B4	R612	*C4	R845	C5	TP902	*A5		

SAFETY CHECK-OUT

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

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

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 3.5 mA. Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers’ instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The “limit” indication is 5.25 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 20 V AC range are suitable. (See Fig. A)

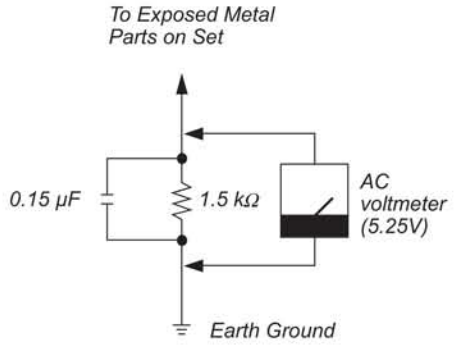

Fig A. Using an AC voltmeter to check AC leakage.

DWR-R02D (CE)
DWR-R02D (UC) E
9-968-945-01

Sony Corporation

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