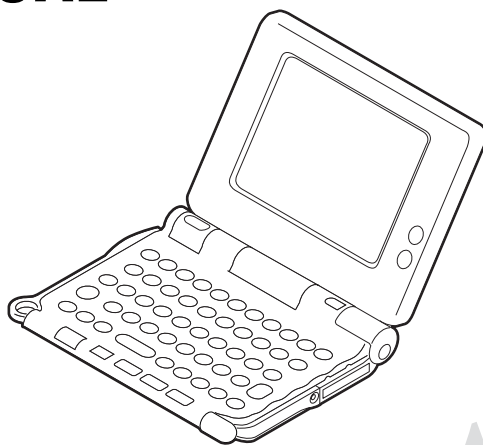


# PEG-UX50/UX40

## SERVICE MANUAL

Ver 2-2003I

Revision History



PEG-UX50

### For American Area

US/Canadian Model  
PEG-UX50/U  
PEG-UX40/U

Mexican Model  
PEG-UX50/M

### For European Area

AEP Model  
PEG-UX50/E

### For Asian/Oceania Area

Singapore Model  
PEG-UX50/G

Hong Kong Model  
PEG-UX50/H

CLiÉ

History of the changes is shown as the "Revision History" at the end of this data.

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PERSONAL ENTERTAINMENT  
ORGANIZER

 Unleaded Solder is Used

9-874-649-32

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Caution Markings for Lithium/Ion Battery - The following or similar texts shall be provided on battery pack of equipment or in both the operating and the service instructions.

CAUTION: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.

CAUTION: The battery pack used in this device may present a fire or chemical burn hazard if mistreated. Do not disassemble, heat above 100°C (212°F) or incinerate.

Dispose of used battery promptly.

Keep away from children.



## Service and Inspection Precautions

### 1. Obey precautionary markings and instructions

Labels and stamps on the cabinet, chassis, and components identify areas requiring special precautions. Be sure to observe these precautions, as well as all precautions listed in the operating manual and other associated documents.

### 2. Use designated parts only

The set's components possess important safety characteristics, such as noncombustibility and the ability to tolerate large voltages. Be sure that replacement parts possess the same safety characteristics as the originals. Also remember that the  $\Delta$  mark, which appears in circuit diagrams and parts lists, denotes components that have particularly important safety functions; be extra sure to use only the designated components.

### 3. Always follow the original design when mounting parts and routing wires

The original layout includes various safety features, such as inclusion of insulating materials (tubes and tape) and the mounting of parts above the printer board. In addition, internal wiring has been routed and clamped so as to keep it away from hot or high-voltage parts. When mounting parts or routing wires, therefore, be sure to duplicate the original layout.

### 4. Inspect after completing service

After servicing, inspect to make sure that all screws, components, and wiring have been returned to their original condition. Also check the area around the repair location to ensure that repair work has caused no damage, and confirm safety.

### 5. When replacing chip components...

Never reuse components. Also remember that the negative side of tantalum capacitors is easily damaged by heat.

### 6. When handling flexible print boards...

- The temperature of the soldering-iron tip should be about 270C.
- Do not apply the tip more than three times to the same pattern.
- Handle patterns with care; never apply force.

# SECTION 1 TEST MODE CHECK

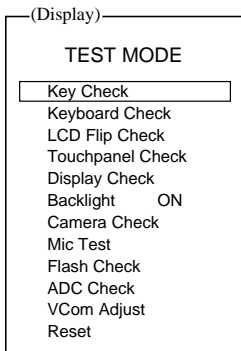
## 1-1. STARTING THE TEST MODE

**Note: Initial setting must be already finished.**

1. Press the RESET button while pressing the JOG dial, and then release the RESET button.  
(The JOG dial should be pressed continuously.)
2. Check that the “Palm Powered” logo is displayed. Here, a beep will sound.



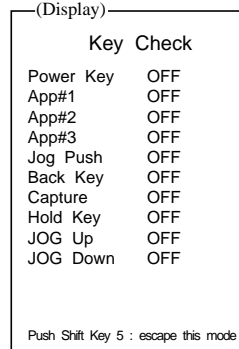
3. While the “Palm Powered” logo is displayed, release the JOG dial and press the Power switch twice. Further press the JOG dial continuously, and a larger beep will sound and the application mode will start up, accompanied with the display of [TEST MODE] check screen as shown below.  
(Perform initial setting, if the initial setup screen appears.)



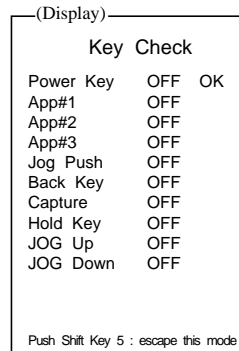
## 1-2. EXECUTING THE TEST MODE

### 1-2-1. Key Check

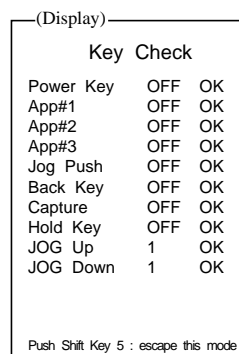
1. Using the JOG dial, move the cursor to the [Key Check] position.
2. Press the JOG dial once, and the following check screen will appear.



3. Slide the Power switch, and if “OK” is displayed, the Power key is normal.

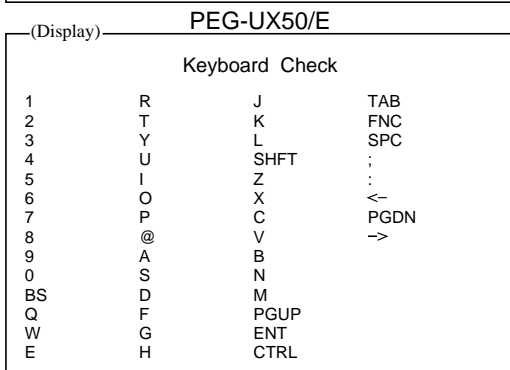
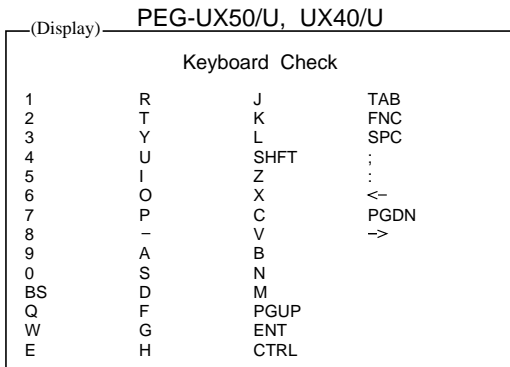


4. Check other keys in the same manner as step 3.
5. If all keys are judged normal, “OK” will be displayed to all items, and then the [TEST MODE] screen will come back automatically.



### 1-2-2. Keyboard Check

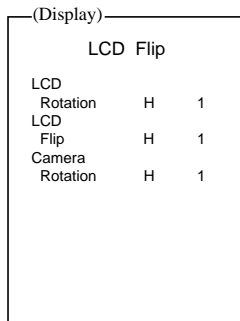
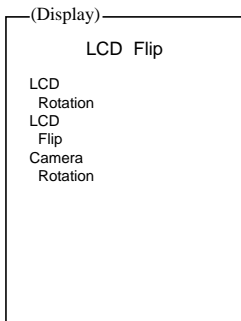
- Using the JOG dial, move the cursor to the [Keyboard Check] position.
- Press the JOG dial once, and the following check screen will appear. Key Board LED turns on.



- If each key is judged normal, "OK" will be displayed to each key name.
- If "OK" is displayed to all keys, the [TEST MODE] screen will come back automatically.

### 1-2-3. LCD Flip Check

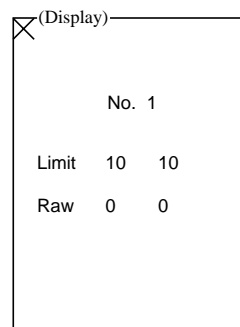
- Using the JOG dial, move the cursor to the [LCD Flip Check] position.
- Press the JOG dial once, and the following check screen will appear. Also, in such a case, each LED will be lit as follows.  
 Power LED : Orange and green blink alternately.  
 REC LED : Red turn on.  
 MS LED : Orange turn on.  
 Bluetooth LED : Blue blinks.  
 Wireless LAN LED : Green turn on. .... (UX50)



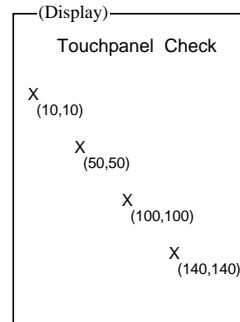
- Rotate the LCD clockwise by a half turn and return it to original position. If "LCD Rotation H 1" is displayed, the LCD rotation detection is normal.
- Open and close the LCD, and if "LCD Flip H 1" is displayed, the LCD flip detection is normal.
- Rotate the camera and return it to original position. If "Camera Rotation H 1" is displayed, the camera rotation detection is normal.
- Press the Back button to return to the [TEST MODE] screen.

### 1-2-4. Touchpanel Check

- Using the JOG dial, move the cursor to the [Touchpanel Check] position.
- Press the JOG dial once, and the following check screen will appear.



- Tap the upper left corner indicated with a "X" mark of the LCD screen shown above, and the screen will change over to the next screen.
- Perform the same operation on the No.2 (lower right), No.3 (upper right), No.4 (center), and No.5 (lower left) screens respectively, and the tap check screen as shown below will appear.



**Note: If the adjustment in step 3 and 4 is disordered, an error will occur in the tap position check.**

- Press the Back button to return to the [TEST MODE] screen.

### 1-2-5. Display Check

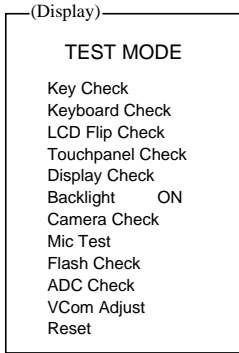
- Making of image data.
  - Format the "Memory Stick" with the CLIE.
  - Using the PC, select the following files from the "Writing tool soft" and copy them to the "Palm" folder in the "Memory Stick" formatted in step 1).
    - Writing tool soft\_UX50\* (or \_UX40U) \ Sample \
      - sample1.bmp
      - sample2.bmp

- Insert the "Memory Stick" used in step 2) into the "Memory Stick" connector of the CLIE.

- Using the JOG dial, move the cursor to the [Display Check] position.
- Press the JOG dial once, and the [Display Check] screen will appear.
- Each time the JOG dial is rotated, the check screen will change. (If the JOG dial is rotated 11 times, the initial screen will come back.)
- Press the Back button to return to the [TEST MODE] screen.

### 1-2-6. Backlight Check

- Using the JOG dial, move the cursor to the [Backlight ON] position.
- Press the JOG dial once, and the backlight will change [ON → Dark] where the backlight brightness becomes dark.



- Press the JOG dial once more, and the backlight will change [Dark → OFF] where the backlight turns off.
- Press the JOG dial further more, and the backlight will change [OFF → ON] where the backlight turns on.

### 1-2-7. Camera Check

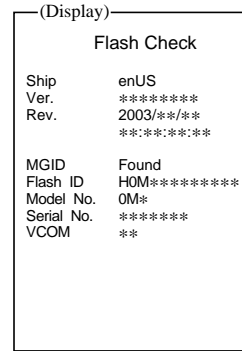
- Using the JOG dial, move the cursor to the [Camera Check] position.
- Press the JOG dial once, and the [Camera Check] screen will appear.  
→ Check that a picture is displayed.
- Rotate the camera.  
→ Check that the top and bottom of the screen are correct.
- Press the App#1 key.  
→ The zoom changes over.
- Press the App#2 key.  
→ The effect changes over.
- Press the App#3 key.  
→ The white balance changes over.
- Press the Capture button.  
→ The capture operation is executed.
- Press the JOG dial.  
→ Check that there is no abnormality in the screen display after the Capture button was pressed.  
→ The screen changes over if the JOG dial is pressed repeatedly.
- Press the Back button.  
→ Return to the [TEST MODE] screen.

### 1-2-8. Mic Test

- Connect the headphone to the set.
- Using the JOG dial, move the cursor to the [Mic Test] position.
- Press the JOG dial once, and the [Mic Test] screen will appear.
- Check that you can hear sounds from the headphone.
- Press the JOG dial once, and the microphone sensitivity changes over.
- Press the Back button to return to the [TEST MODE] screen.

### 1-2-9. Flash Check

- Using the JOG dial, move the cursor to the [Flash Check] position.
- Press the JOG dial once, and the [Flash Check] screen will appear.

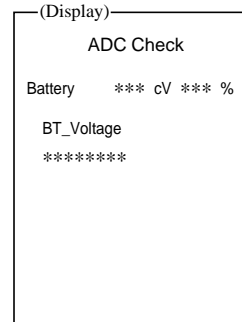


**Note: If Flash ID has already been written to the Flash ROM, that value is displayed.**

- Press the Back button to return to the [TEST MODE] screen.

### 1-2-10. ADC Check

- Using the JOG dial, move the cursor to the [ADC Check] position.
- Press the JOG dial once, and current state check screen will appear.

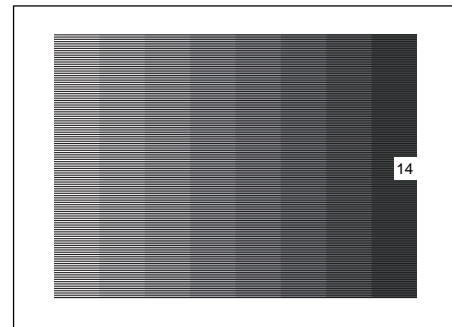


Battery : \*\*\* cV \*\*\* % ..... Battery residual capacity indication

- Press the Back button to return to the [TEST MODE] screen.

### 1-2-11. LCD VCom Adjustment

- Using the JOG dial, move the cursor to the [VCom Adjust] position.
- Press the JOG dial once, and the adjustment screen will appear.



- When “flicker” has appeared on the screen, adjust to the most suitable “flicker” rotating the JOG dial.

Note: The most suitable adjustment hints.

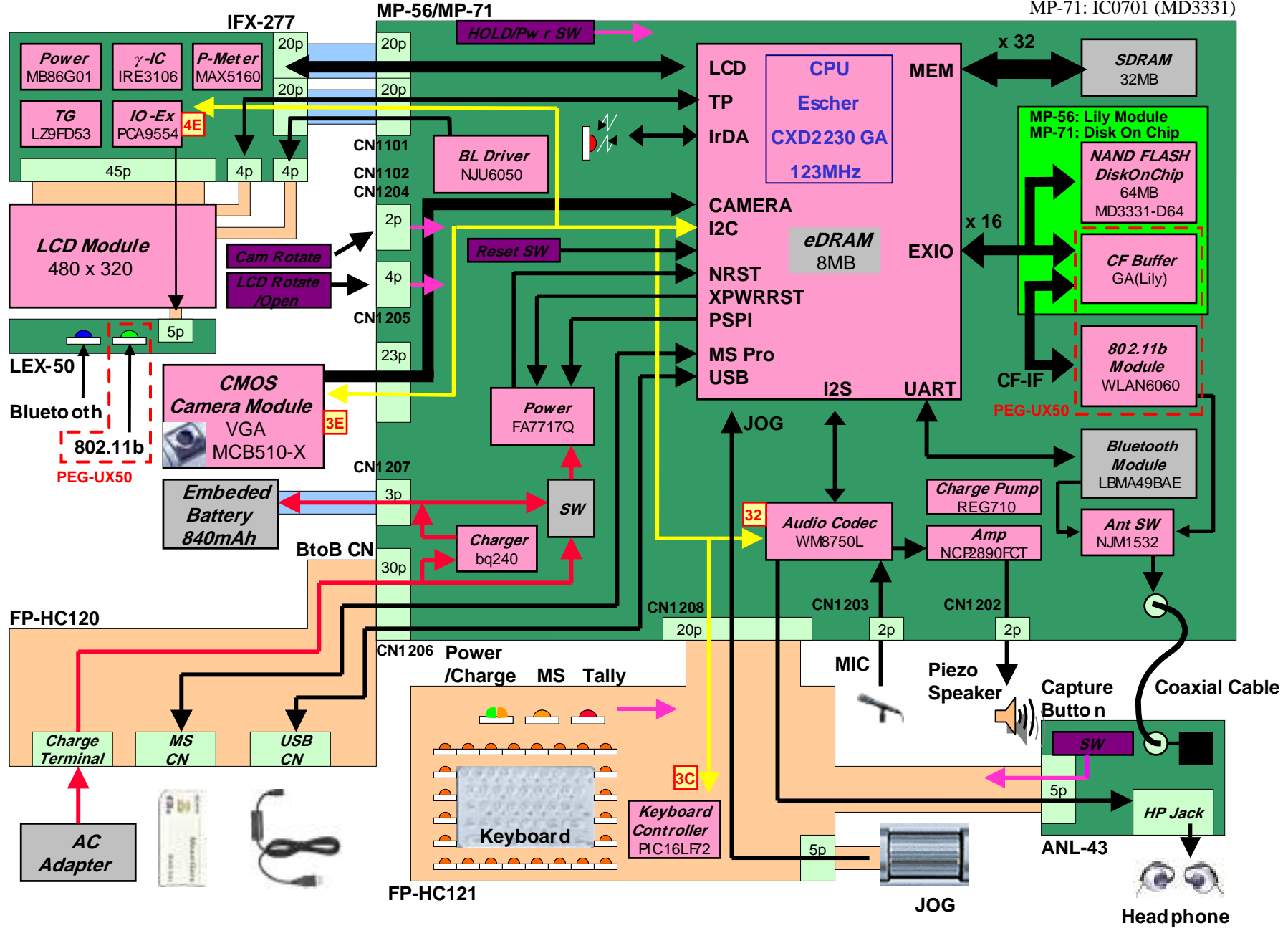
- “flicker” does not appear to the display.
  - Brightness of contrast is the most suitable value.
- Press the Back button to return to the [TEST MODE] screen, after adjustment value was decided.

### 1-2-12. Quitting the Test Mode

To quit the [TEST MODE], move the cursor to the [Reset] by using the JOG dial and press the JOG dial.

2-1. OVERALL BLOCK DIAGRAM

MP-56: CP0701 (ML251)  
MP-71: IC0701 (MD3331)



SECTION 2  
BLOCK DIAGRAMS

PEG-UX50/UX40

2-1 E

Confidential

## SECTION 3

# SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

### THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.

(In addition to this, the necessary note is printed in each block.)

#### For schematic diagram:

- Caution when replacing chip parts.  
New parts must be attached after removal of chip.  
Be careful not to heat the minus side of tantalum capacitor, because it is damaged by the heat.
- All resistors are in ohms,  $\frac{1}{4} W$  (Chip resistors :  $\frac{1}{10} W$ ) unless otherwise specified.  
k $\Omega$  : 1000 $\Omega$ , M $\Omega$  : 1000k $\Omega$ .
- All capacitors are in  $\mu F$  unless otherwise noted. pF :  $\mu\mu F$  50V or less are not indicated except for electrolytics and tantalums.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- The parts currently used by the model may differ.  
Refer to electrical parts list for a difference of parts.

#### Note:

The components identified by mark  $\triangle$  or dotted line with mark  $\triangle$  are critical for safety.  
Replace only with part number specified.

#### Note:

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

When indicating parts by reference number, please include the board name.

#### 【回路図ノート】


- チップ部品交換時の注意  
取り外した部品は再使用せず、未使用の部品をご使用ください。  
タンタルコンデンサのマイナス側は熱に弱いため注意してください。
- 抵抗で指示のないものは  $1/4W$ 。(チップ抵抗は  $1/10W$ 。)  
単位はすべて $\Omega$ 。  
k $\Omega$  = 1000 $\Omega$ , M $\Omega$  = 1000k $\Omega$
- ケミコン、タンタルを除くコンデンサで、耐圧50V以下のものはその耐圧を省略。単位はすべて $\mu F$  (pはpF)。
- 可変抵抗と半固定抵抗で、B特性の表示を省略。
- 機種により使用している部品が異なる場合があります。  
部品の相違は電気部品表を参照して下さい。

$\triangle$ 印の部品、または $\triangle$ 印付きの点線で囲まれた部品は、安全性を維持するために重要な部品です。  
従って交換時は、必ず指定の部品を使用して下さい。

#### — お願い —

図面番号で部品の指定をするときは基板名又はブロックを併せて指定して下さい。

#### For printed wiring boards:

-  : Pattern from the side which enables seeing. (The other layers' patterns are not indicated.)
- Through hole is omitted.
- There are few cases that the part printed on diagram isn't mounted in this model.


#### <Unleaded Solder>

Boards requiring use of unleaded solder are printed with the 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.)  
Please use unleaded solder, when you repair.



**LF : LEAD FREE MARK**

#### 【プリント図ノート】

-  は見ている面のパターン。  
(他のパターンについては、表示されていません)
- スルーホールは省略。
- プリント図には、本機で使用していない部品が記載されている場合があります。

#### <無鉛半田について>

無鉛半田を使用している基板には、無鉛 (Lead Free) を意味するレッドフリーマークがプリントされています。  
(注意: 基板サイズによっては、無鉛半田を使用しているもレッドフリーマークがプリントされていないものがあります)

修理の時は無鉛半田を使用してください。

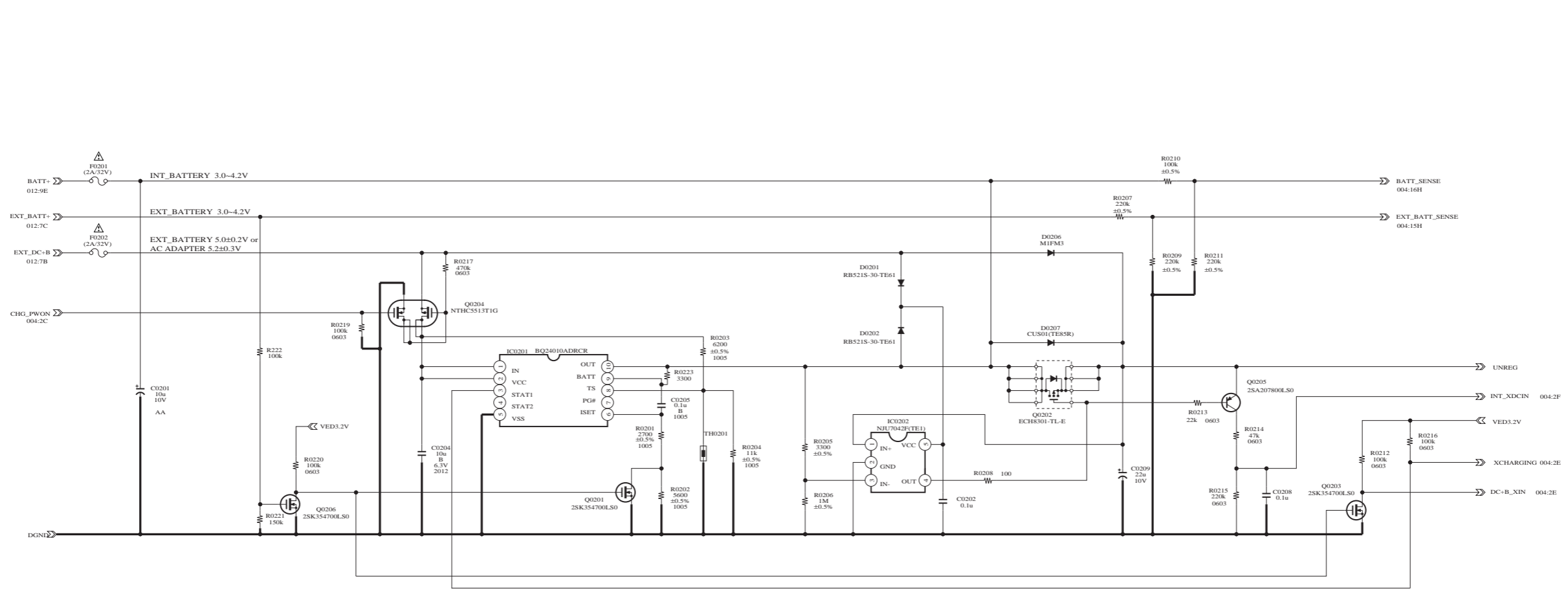


**LF**: レッドフリーマーク

• NOTE :      
 Location  
 Schematic Diagram Sheet Number  
 XX=Do Not Install

SONY

MP-56 (1/10)/MP-71 (1/9)



EXT_BATT+	DC+B	INT_XDCIN	XCHARGING	CHGLED
X	X	HI	NOT CARE	OFF
X	O	LO	CHECK	ON/OFF
O	X	LO	CHECK	ON/OFF
O	O	LO	CHECK	ON/OFF

002.sht

Ref.: 0201 ~

UNIT: mm	TOLERANCE:	USED ON:	RANK:
ANGLE:			FAMILY:
SCALE:		ORIGINAL MODEL: PEG-UX50	
		MATERIAL(COLOR):	FINISH(COLOR):
DESCRIPTION:			
(B) Charge			
SIGN.			
REVISION			
HISTORY X COUNT	SUPPL. REFL.	IC% NO. DATE	
DRAWN BY	PLANNED BY	CHECKED BY	APPROVED BY
			MODEL
			FART NO.
			TENTATIVE
			PART NO.
			SHEET

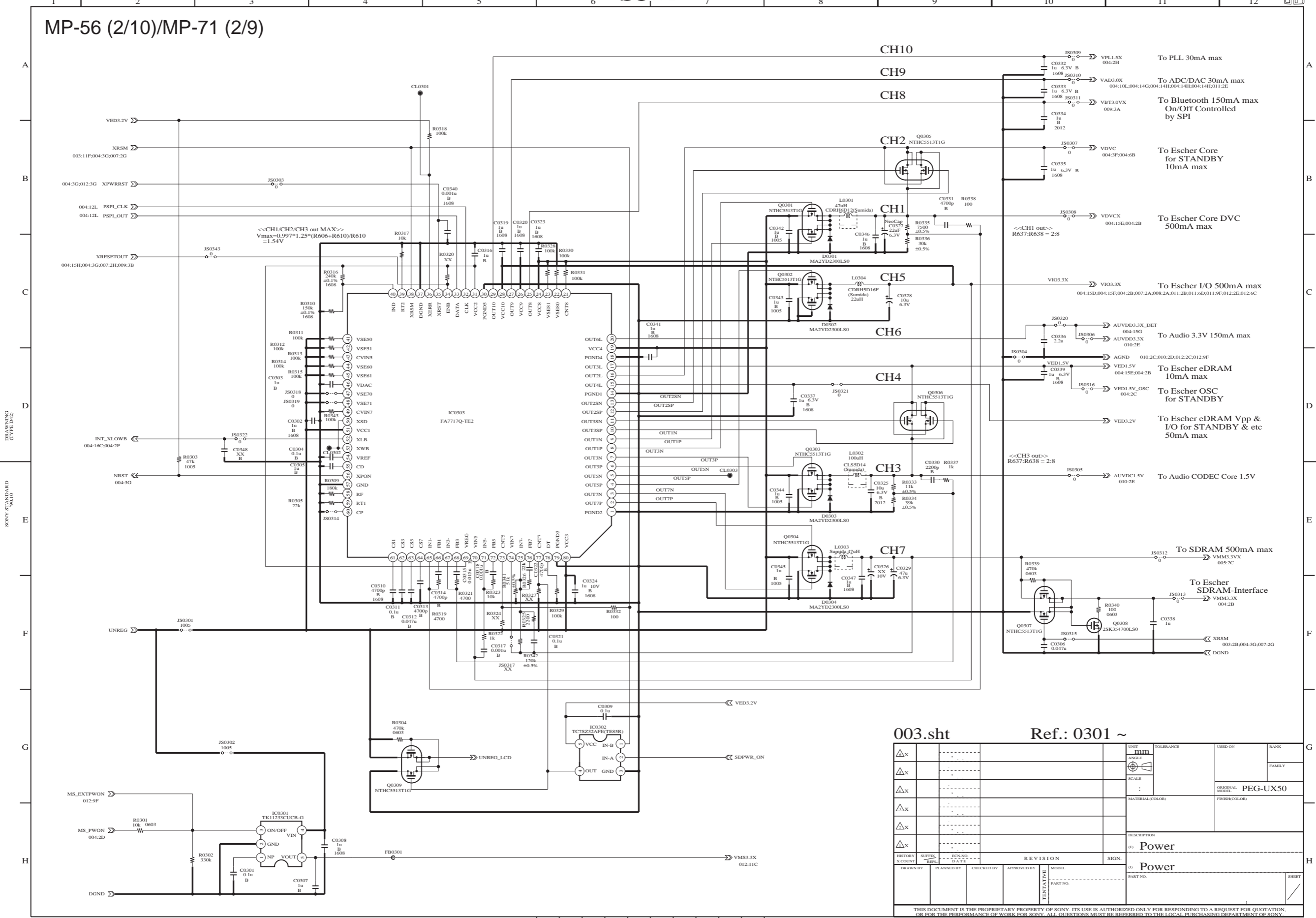
THIS DOCUMENT IS THE PROPRIETARY PROPERTY OF SONY. ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION, OR FOR THE PERFORMANCE OF WORK FOR SONY. ALL QUESTIONS MUST BE REFERRED TO THE LOCAL PURCHASING DEPARTMENT OF SONY.



• NOTE :    Location  
 Schematic Diagram Sheet Number  
 XX=Do Not Install

SONY

MP-56 (2/10)/MP-71 (2/9)



DRAWING STANDARD (TYPE D2) SONY STANDARD '90.110

003.sht		Ref.: 0301 ~	
UNIT	mm	TOLERANCE	USED ON
ANGLE	100		
SCALE		ORIGINAL MODEL	PEG-UX50
		FINISH COLOR	
DESCRIPTION			
(D) Power			
(I) Power			
REVISION		SIGN.	
DRAWN BY	PLANNED BY	CHECKED BY	APPROVED BY
MODEL	FART NO.	TENTATIVE	
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NOTE: Location Schematic Diagram Sheet Number XX=Do Not Install

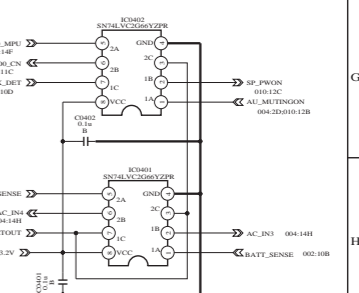
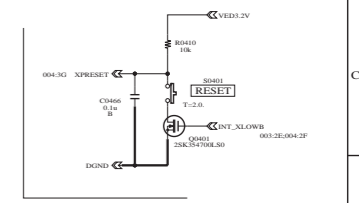
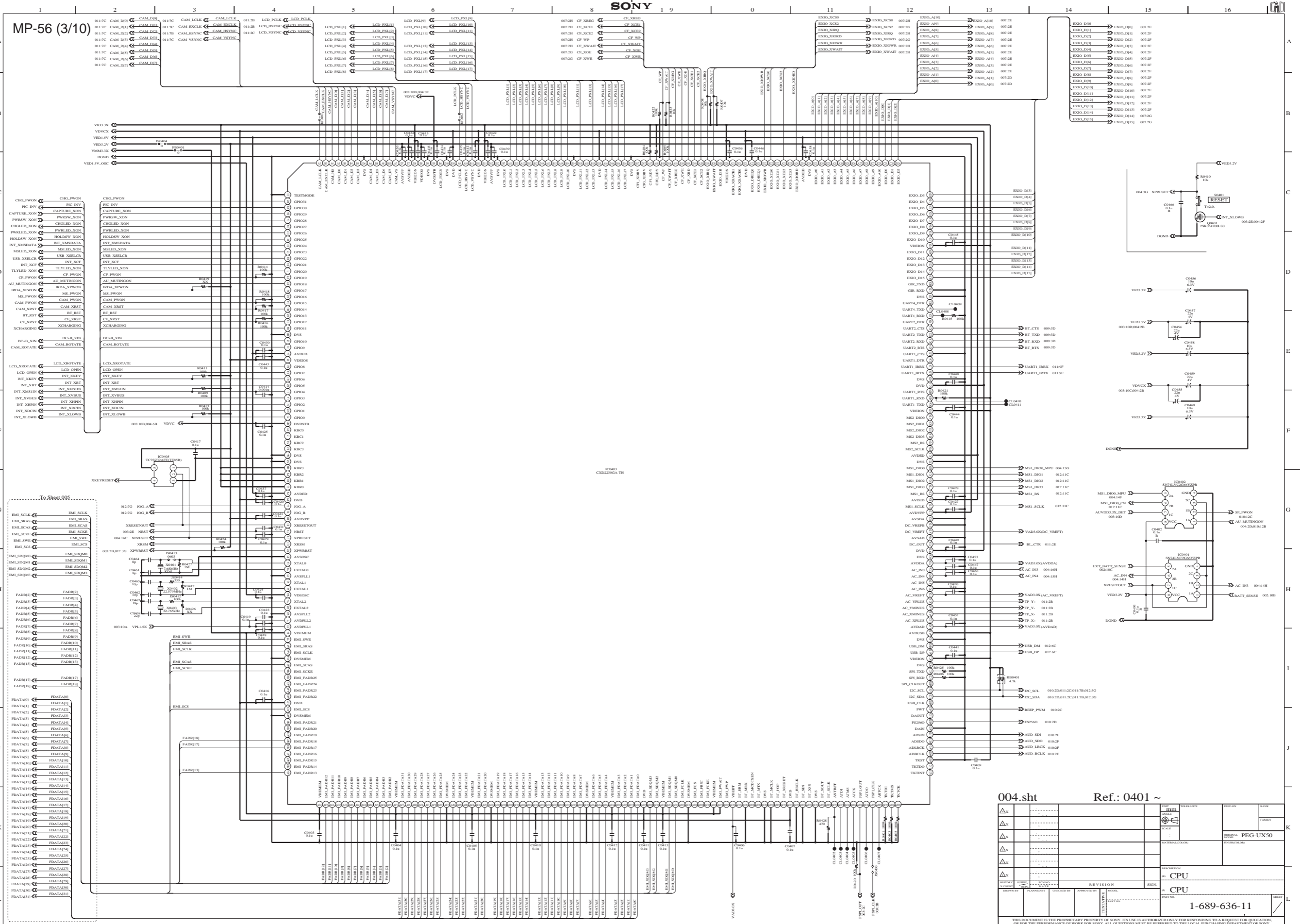


Table with 4 columns: Part No., Description, Revision, and Date. Includes a revision history table and a title block for '004.sht' with 'Ref.: 0401 ~' and 'CPU'.

NOTE: [ ] [ ] [ ] Location Schematic Diagram Sheet Number XX=Do Not Install

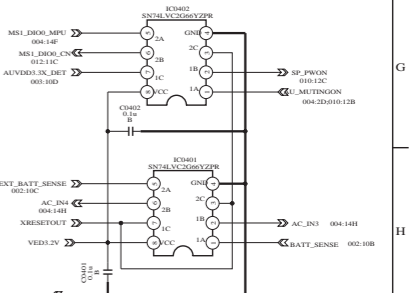
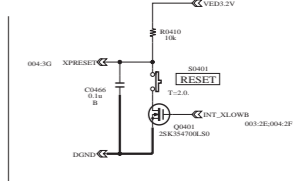
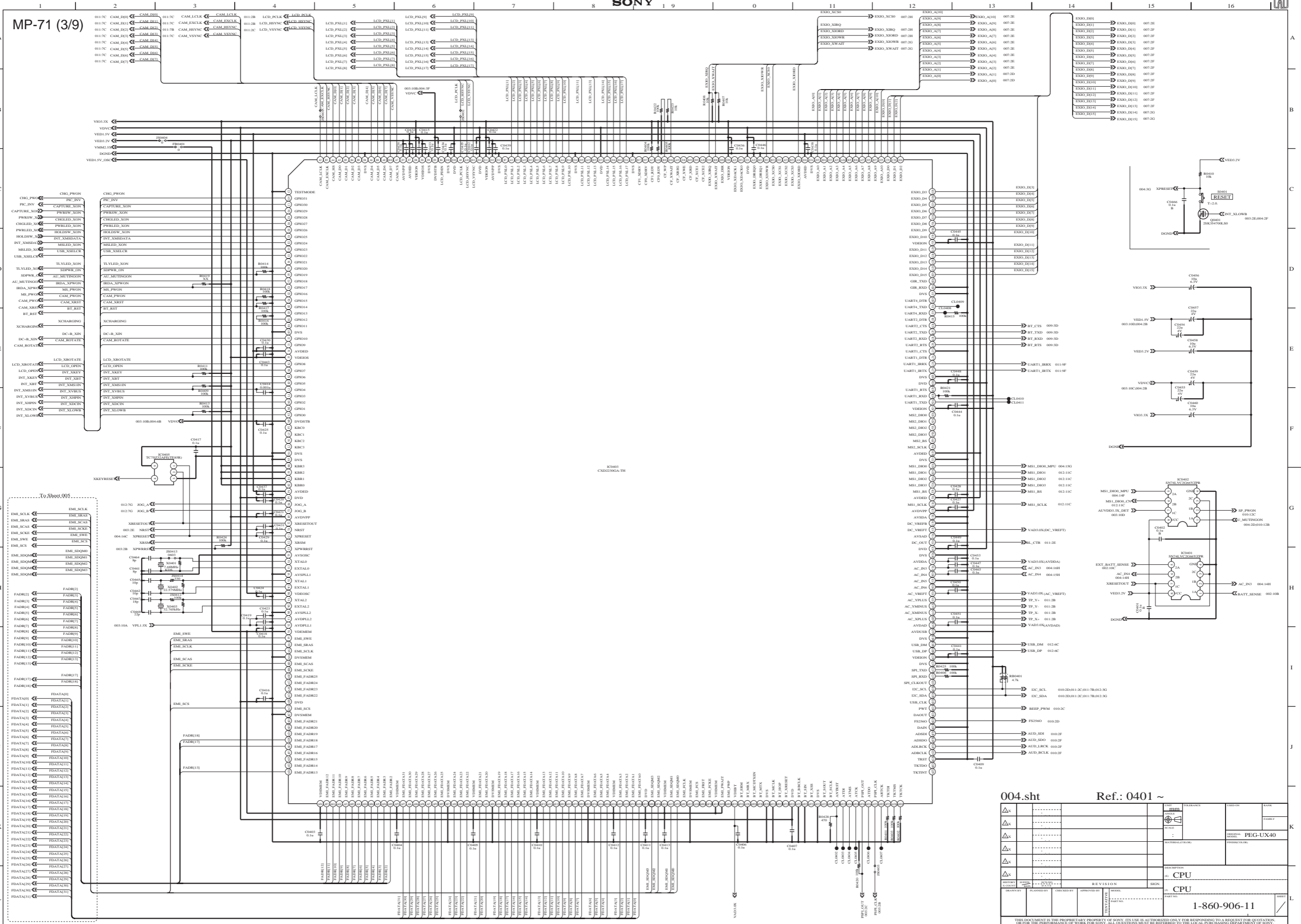


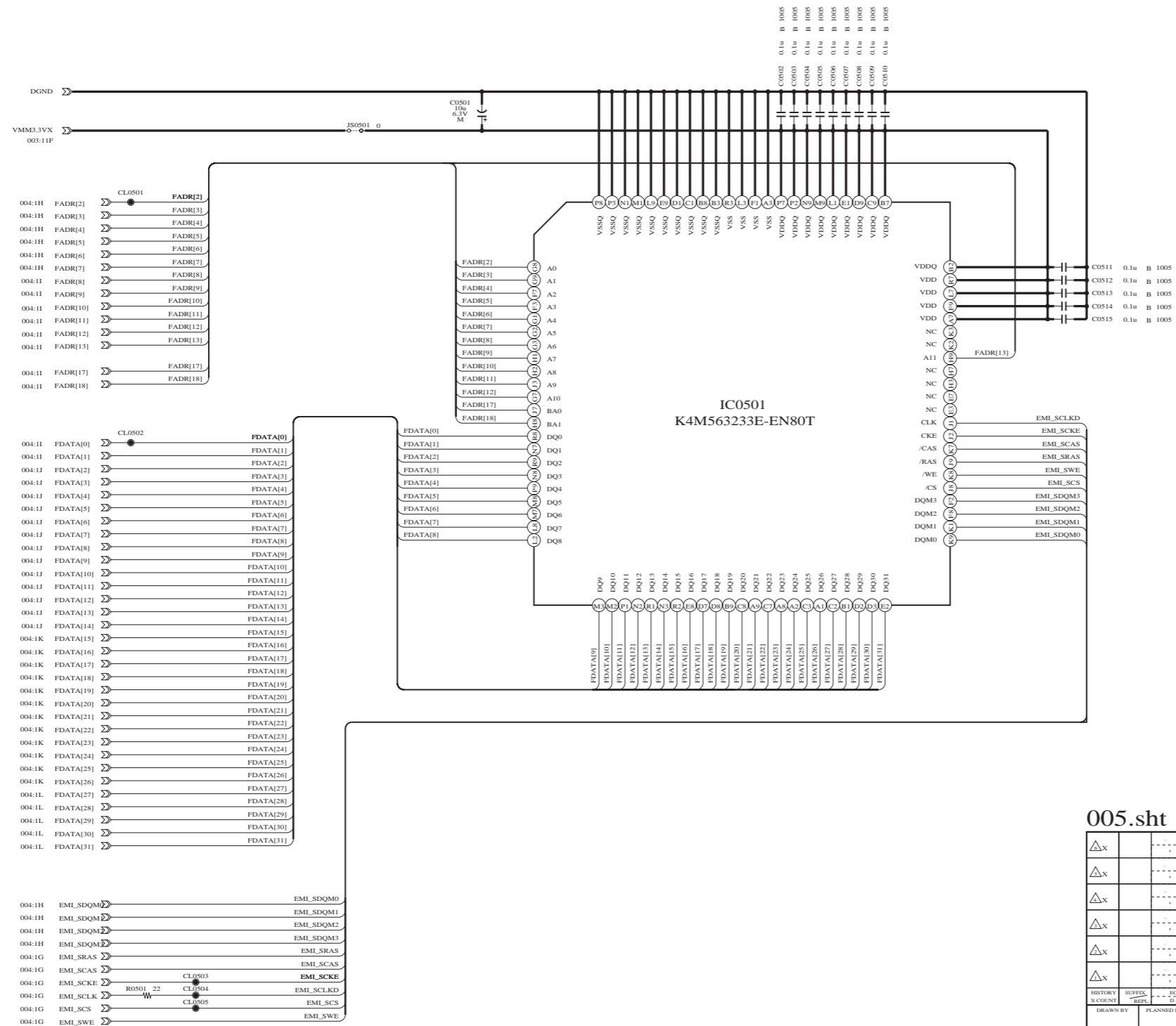
Table with 4 columns: Part No., Description, Revision, and Date. Includes revision history for CPU and a contact number 1-860-906-11.

• NOTE :    Location  
 Schematic Diagram Sheet Number  
 XX=Do Not Install

SONY

MP-56 (4/10)/MP-71 (4/9)

DRAWING STANDARD (TYPE D32) '90.1.0

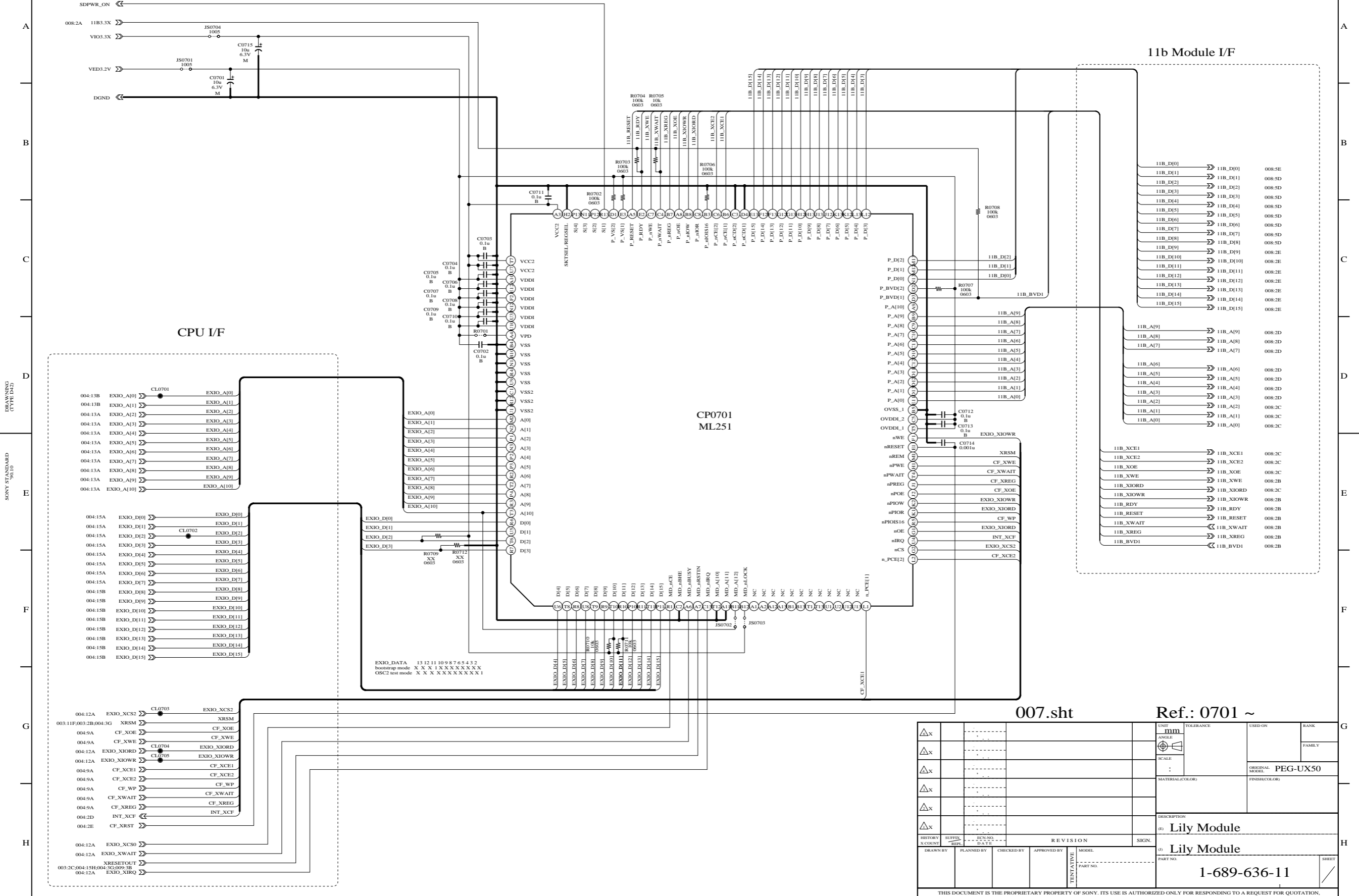


005.sht		Ref.: 0501 ~	
UNIT: mm	TOLERANCE:	USED ON:	RANK:
ANGLE:			FAMILY:
SCALE:		ORIGINAL MODEL:	PEG-UX50
MATERIAL(COLOR):		FINISH(COLOR):	
DESCRIPTION			
(D) SDRAM			
(D) SDRAM			
HISTORY X COUNT	SUPPL. REVISION	REV. NO. DATE	REVISION SIGN.
DRAWN BY	PLANNED BY	CHECKED BY	APPROVED BY
MODEL		PART NO.	
TENTATIVE		PART NO.	
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NOTE: [ ] Location  
[ ] Schematic Diagram Sheet Number  
XX=Do Not Install

SONY

MP-56 (5/10)



DRAWING STANDARD (TYPE D2)  
SONY STANDARD '90.1.10

Ref.: 0701 ~

007.sht

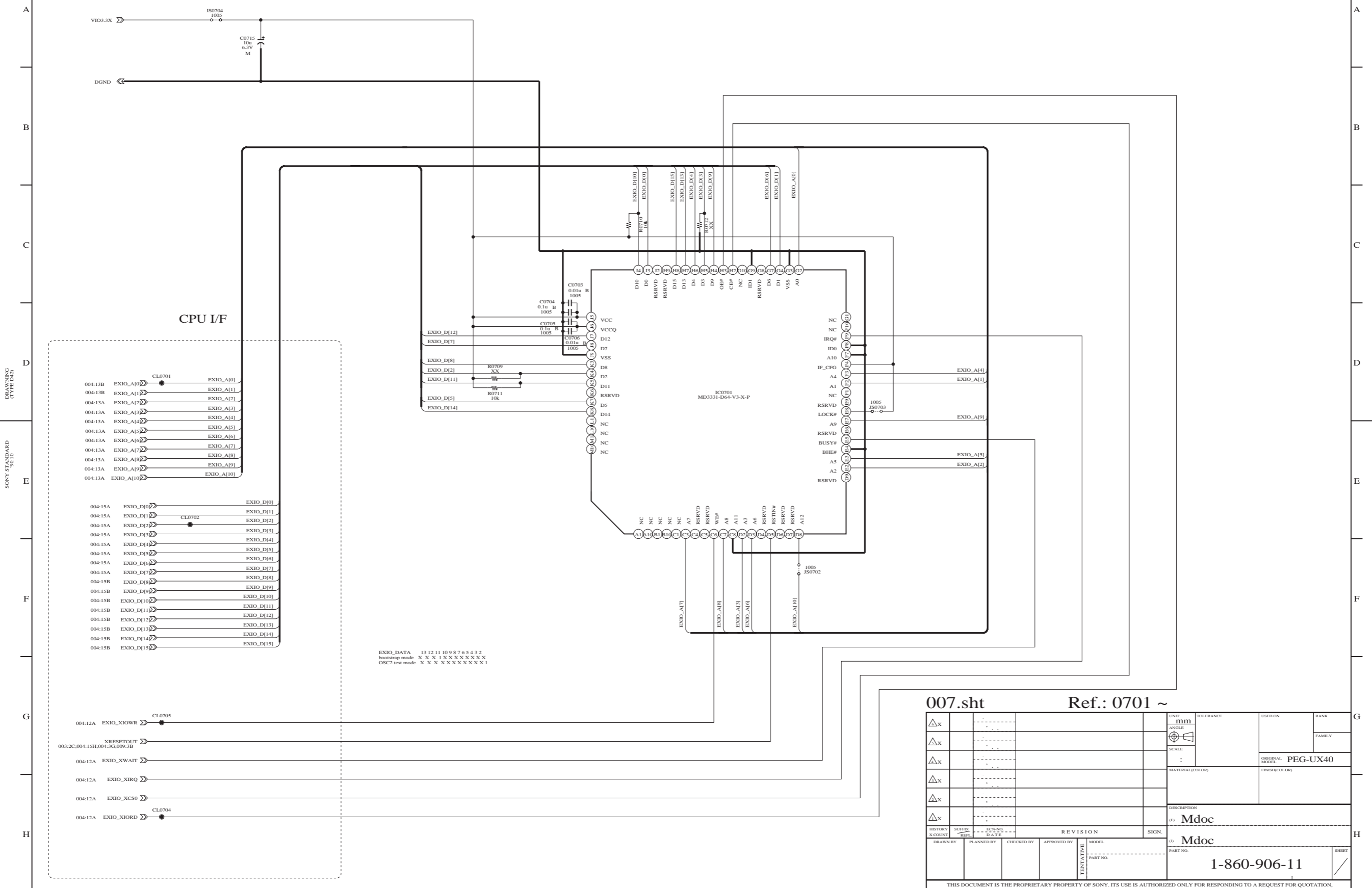
△x		UNIT: mm	TOLERANCE	USED ON	RANK
△x		ANGLE			FAMILY
△x		SCALE		ORIGINAL MODEL	PEG-UX50
△x		MATERIAL(COLOR)		FINISH(COLOR)	
△x		DESCRIPTION			
(D) Lily Module					
(D) Lily Module					
1-689-636-11					
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NOTE: [ ] [ ] [ ] Location  
Schematic Diagram Sheet Number  
XX=Do Not Install

SONY

CAD

MP-71 (5/9)



EXIO\_DATA 11 12 11 10 9 8 7 6 5 4 3 2  
bootup mode X X X 1 X X X X X X X X  
OSC2 test mode X X X X X X X X X X 1

007.sht Ref.: 0701 ~

△x				UNIT: mm	TOLERANCE:	USED ON:	RANK:
△x				ANGLE:			FAMILY:
△x				SCALE:		ORIGINAL MODEL: PEG-UX40	
△x				MATERIAL(COLOR):		FINISH(COLOR):	
△x				DESCRIPTION: Mdoc			
△x				ID: Mdoc			
HISTORY X COUNT		SUPPL. REEL	REV. NO. D.A.T.	REVISION		SIGN.	
DRAWN BY	PLANNED BY	CHECKED BY	APPROVED BY	MODEL	PART NO. 1-860-906-11		
TENTATIVE				SHEET			

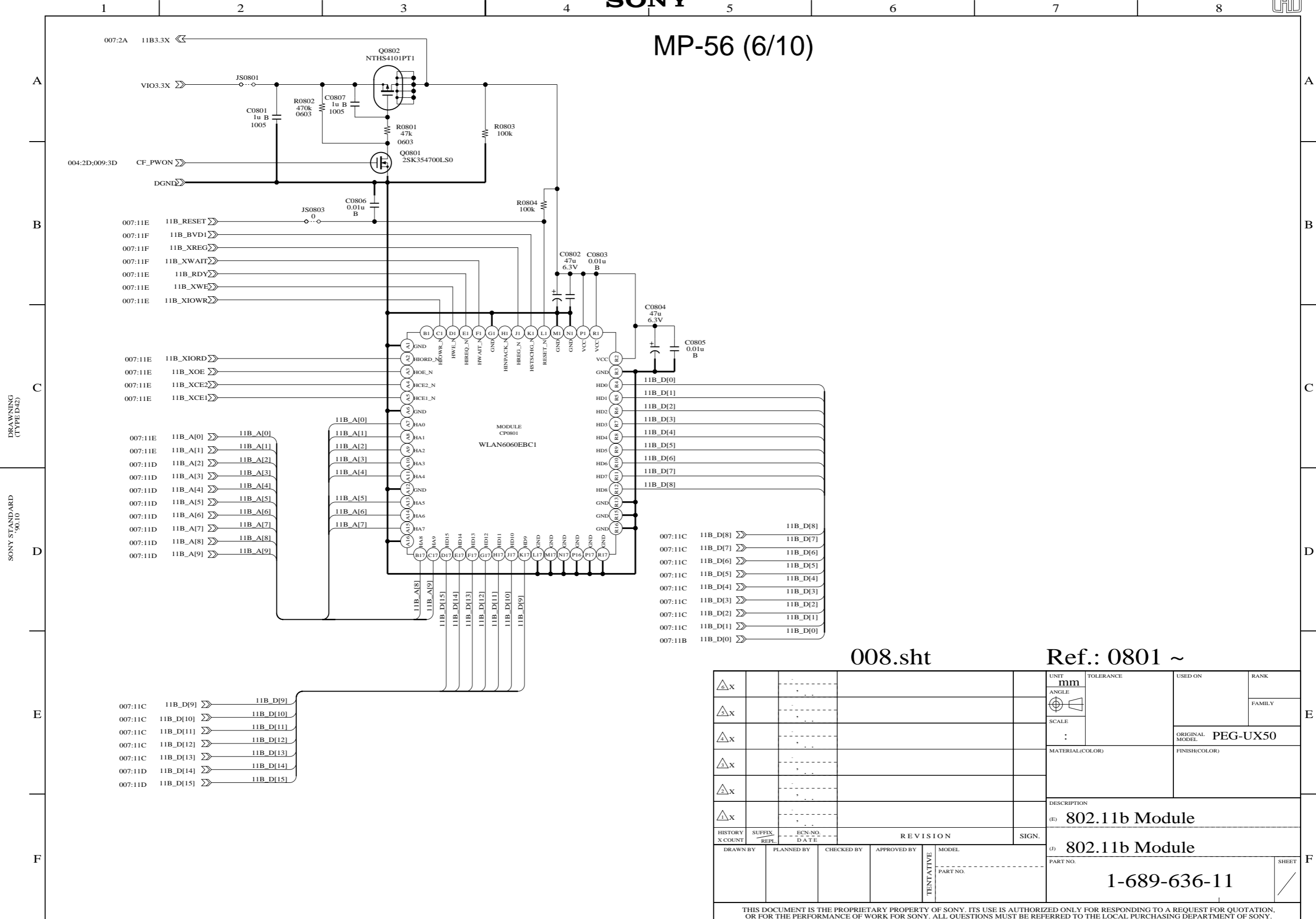
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NOTE: [ ] [ ] [ ] Location  
Schematic Diagram Sheet Number  
XX=Do Not Install

SONY

CAD

MP-56 (6/10)



DRAWING STANDARD (TYPED42)  
SONY STANDARD 90.10

008.sht

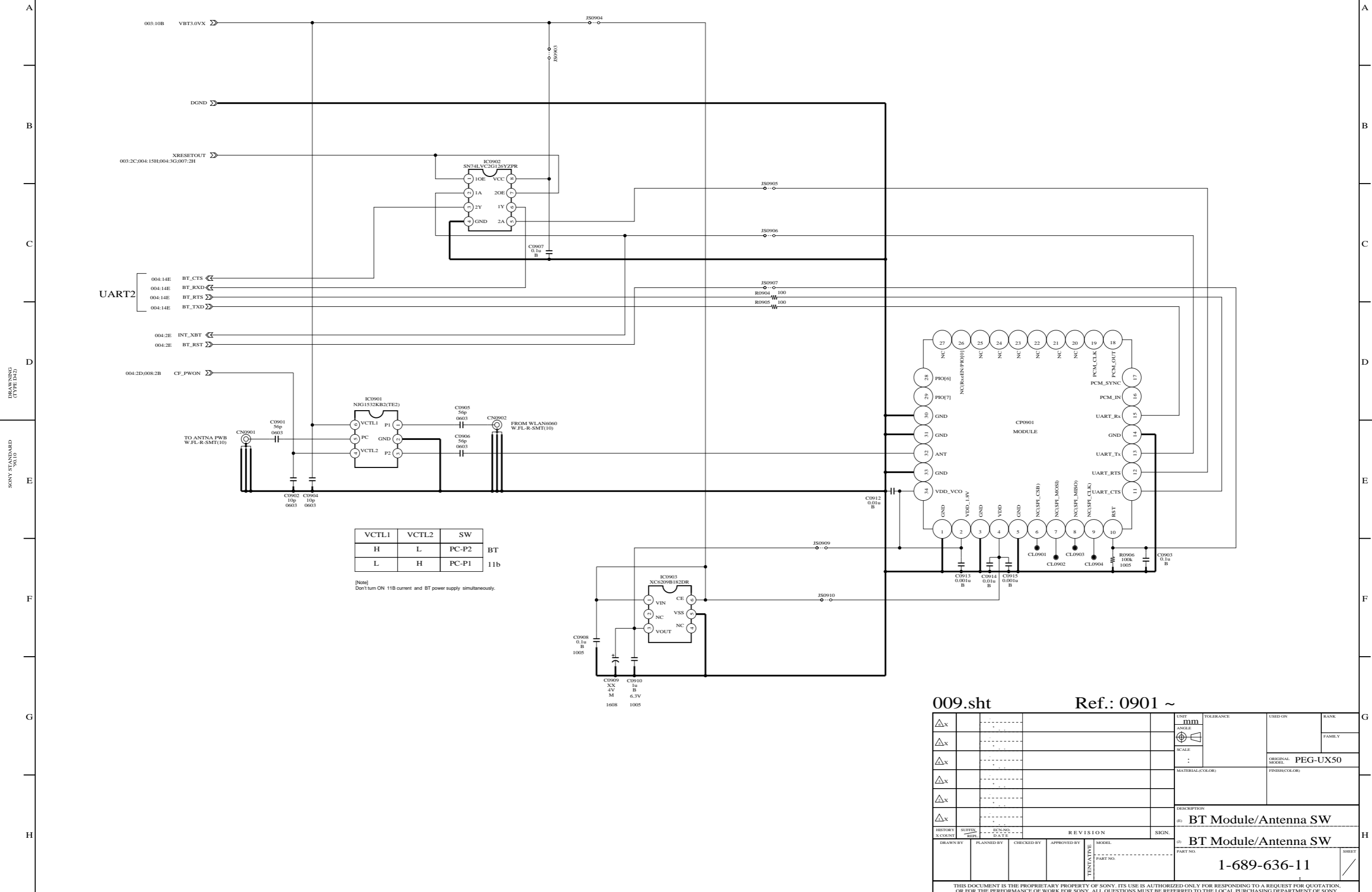
Ref.: 0801 ~

△X				UNIT mm	TOLERANCE	USED ON	RANK
△X				ANGLE			FAMILY
△X				SCALE		ORIGINAL MODEL	PEG-UX50
△X					MATERIAL(COLOR)	FINISH(COLOR)	
△X					DESCRIPTION (E) 802.11b Module		
△X					(J) 802.11b Module		
HISTORY X COUNT	SUFFIX REPL.	ECN-NO.	DATE	REVISION		SIGN.	
DRAWN BY	PLANNED BY	CHECKED BY	APPROVED BY	MODEL	PART NO.		SHEET
					1-689-636-11		
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• NOTE :   
 Location  
 Schematic Diagram Sheet Number  
 XX=Do Not Install

SONY

MP-56 (7/10)



VCTL1	VCTL2	SW	
H	L	PC-P2	BT
L	H	PC-P1	11b

[Note]  
 Don't turn ON 11b current and BT power supply simultaneously.

009.sht Ref.: 0901 ~

UNIT	mm	TOLERANCE	USED ON	RANK
ANGLE				FAMILY
SCALE	:		ORIGINAL MODEL	PEG-UX50
			MATERIAL(COLOR)	FINISH(COLOR)
DESCRIPTION				
(D) BT Module/Antenna SW				
(D) BT Module/Antenna SW				
1-689-636-11				
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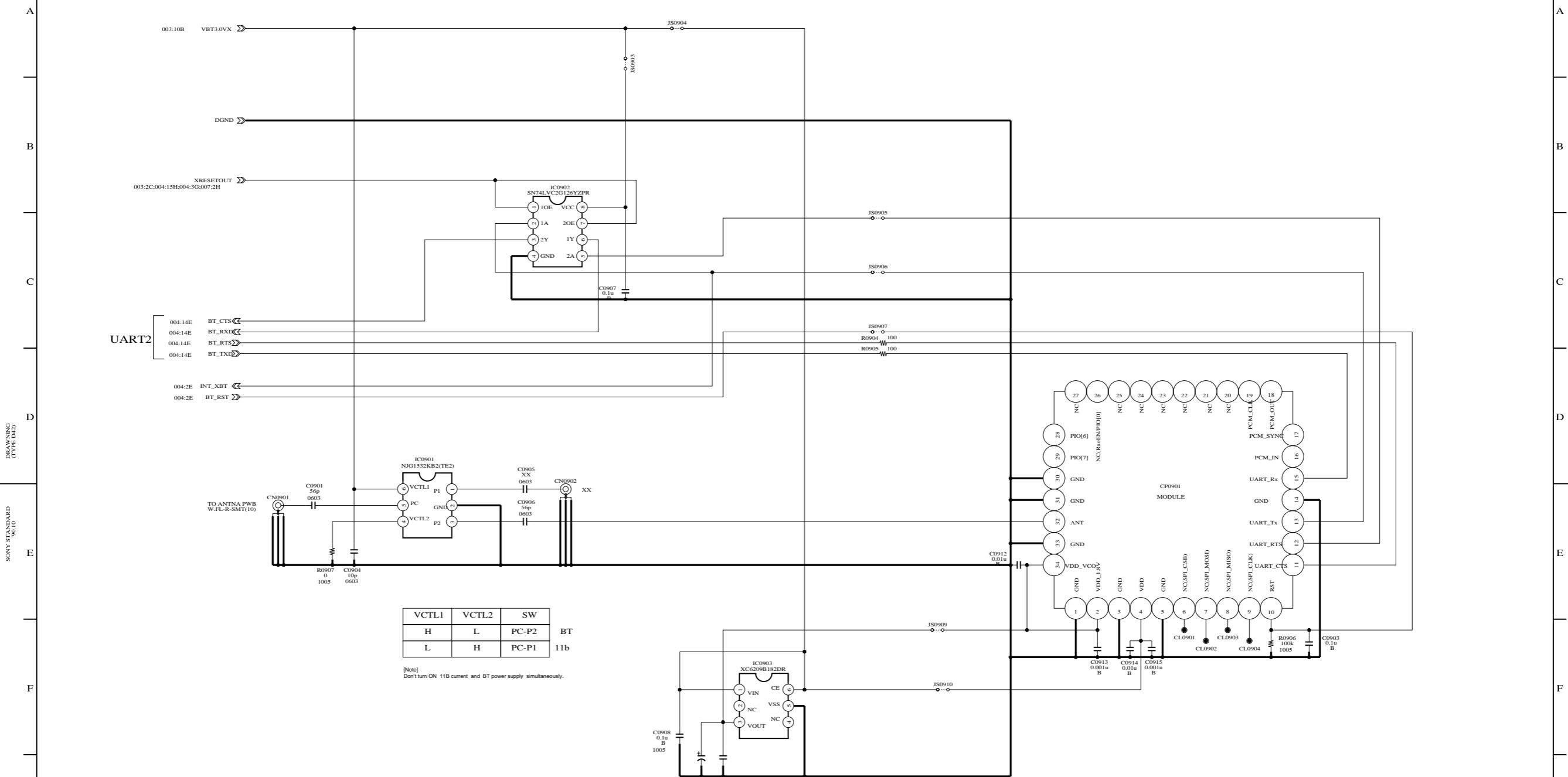


• NOTE : □□□□ Location  
 Schematic Diagram Sheet Number  
 XX=Do Not Install

SONY

CAD

MP-71 (6/9)



DRAWING STANDARD (TYPE D12)  
 SONY STANDARD '90.110

009.sht

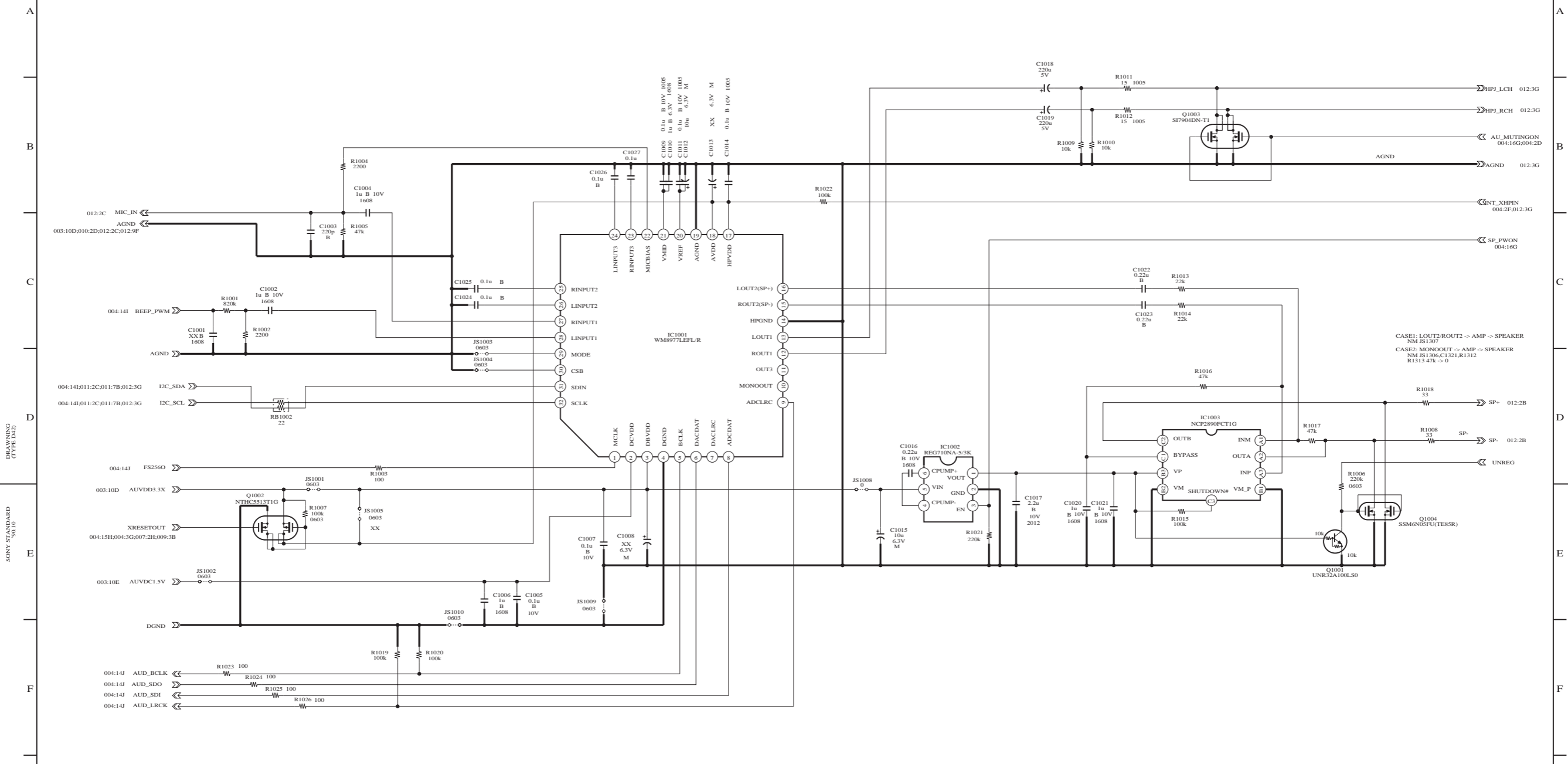
Ref.: 0901 ~

UNIT: mm	TOLERANCE:	USED ON:	RANK:
ANGLE:			FAMILY:
SCALE:		ORIGINAL MODEL: PEG-UX40	
MATERIAL(COLOR):		FINISH(COLOR):	
DESCRIPTION: (D) BT Module/Antenna SW			
(D) BT Module/Antenna SW 1-860-906-11			
HISTORY X COUNT	SUPPL. REFL.	ICN. NO. D.A.T.T.	REVISION
DRAWN BY	PLANNED BY	CHECKED BY	APPROVED BY
MODEL:		SIGN.	
TENTATIVE PART NO.		PART NO.	
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• NOTE :    Location  
 Schematic Diagram Sheet Number  
 XX=Do Not Install

SONY

MP-56 (8/10)/MP-71 (7/9)



DRAWING STANDARD (TYPE D2)  
SONY STANDARD '90.1.10

010.sht

Ref.: 1001 ~

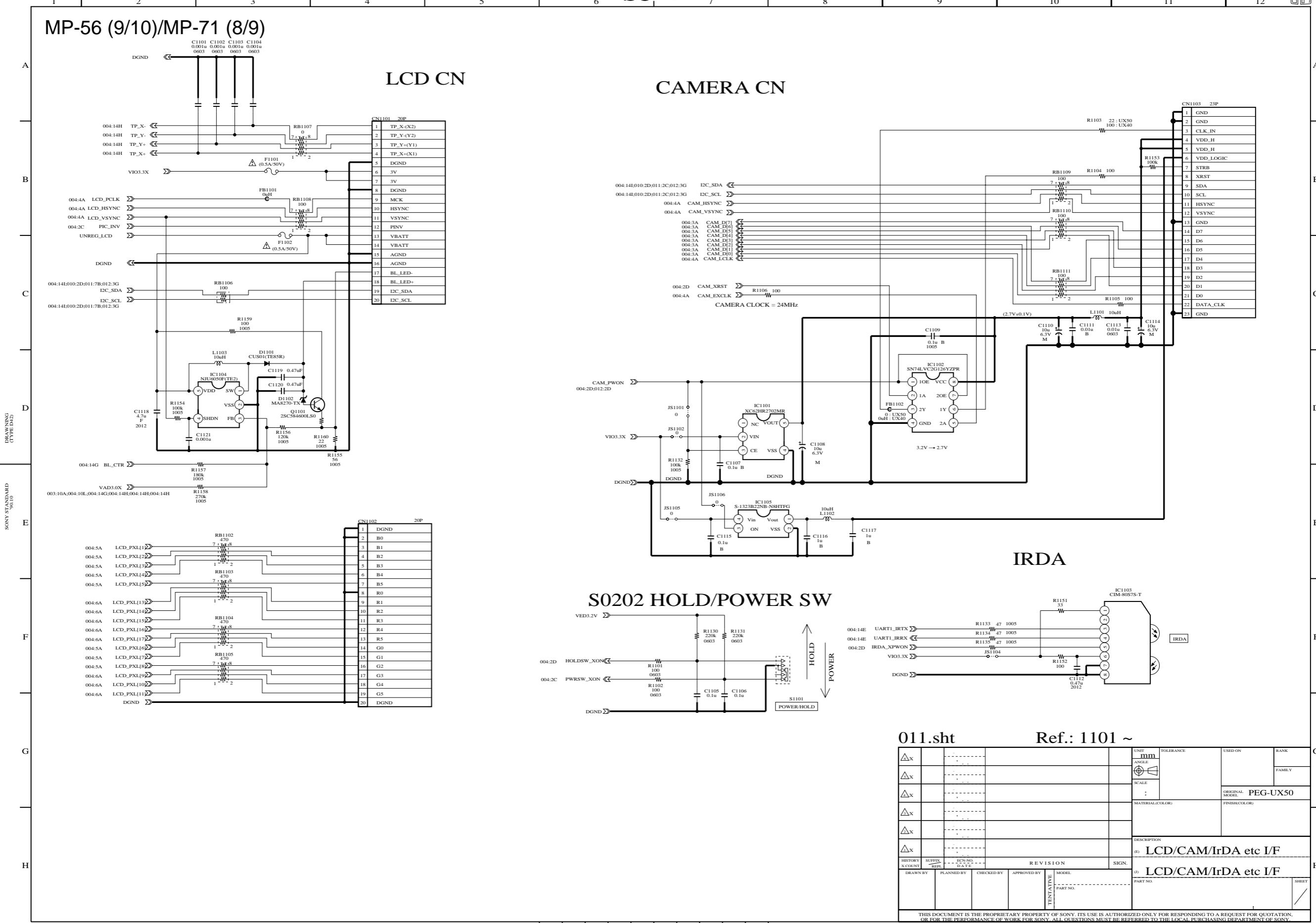
△x				UNIT: mm	TOLERANCE:	USED ON:	RANK:
△x				ANGLE:			FAMILY:
△x				SCALE:		ORIGINAL MODEL: PEG-UX50	
△x				MATERIAL(COLOR):		FINISH(COLOR):	
△x				DESCRIPTION: Audio			
△x				DESCRIPTION: Audio			
HISTORY X COUNT	SUPPL. REFL.	ICN. NO. DATE	REVISION	SIGN.			
DRAWN BY	PLANNED BY	CHECKED BY	APPROVED BY	MODEL	PART NO.		
			TENTATIVE		SHEET		

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• NOTE :      
 Location  
 Schematic Diagram Sheet Number  
 XX=Do Not Install

SONY

MP-56 (9/10)/MP-71 (8/9)



011.sht Ref.: 1101 ~

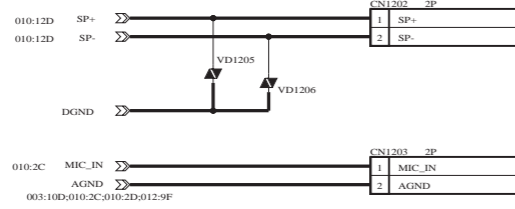
△x		UNIT	mm	TOLERANCE	USED ON	RANK
△x		ANGLE				FAMILY
△x		SCALE			ORIGINAL MODEL	PEG-UX50
△x		MATERIAL(COLOR)			FINISH(COLOR)	
△x		DESCRIPTION	(D) LCD/CAM/IrDA etc I/F			
△x		HISTORY	(D) LCD/CAM/IrDA etc I/F			
		DRAWN BY	PLANNED BY	CHECKED BY	APPROVED BY	MODEL
		TENTATIVE				FART NO.
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• NOTE :      
 Location  
 Schematic Diagram Sheet Number  
 XX=Do Not Install

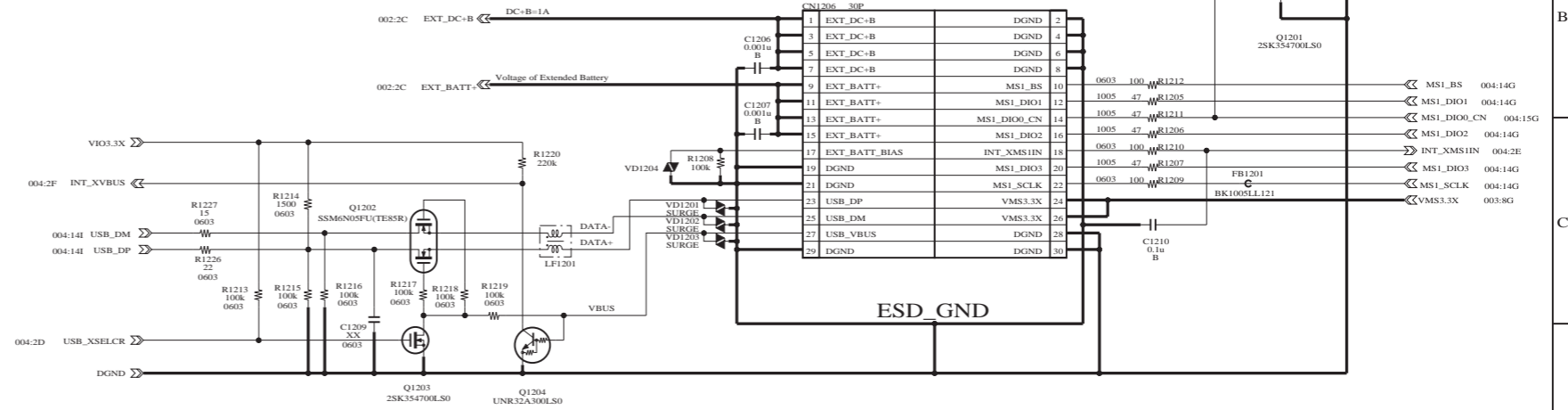
SONY

MP-56 (10/10)/MP-71 (9/9)

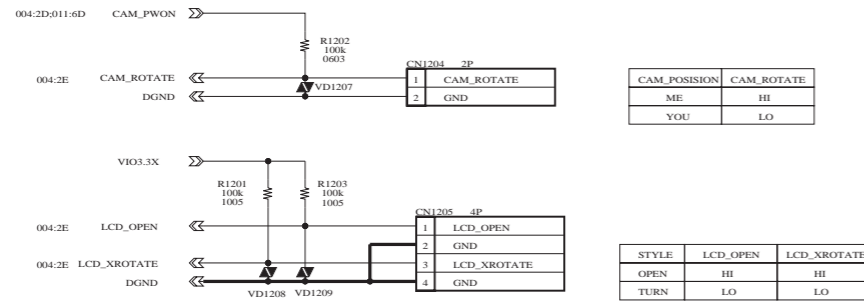
Speaker/MIC CN



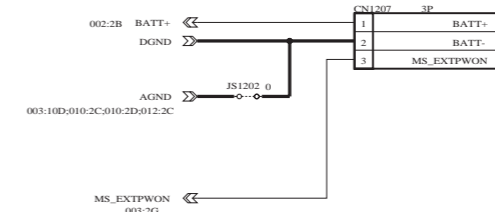
Power/MS/USB-IF CN



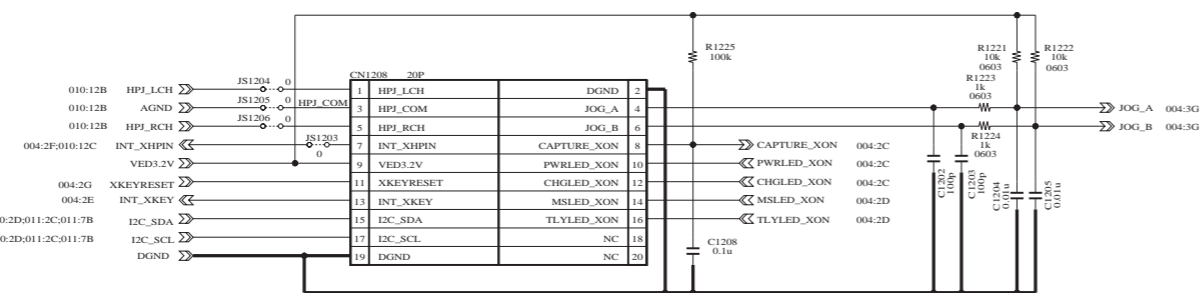
LCD FLIP/CAM ROTATE CN



BATTERY\_CN



Keyboard CN



012.sht

Ref.: 1201 ~

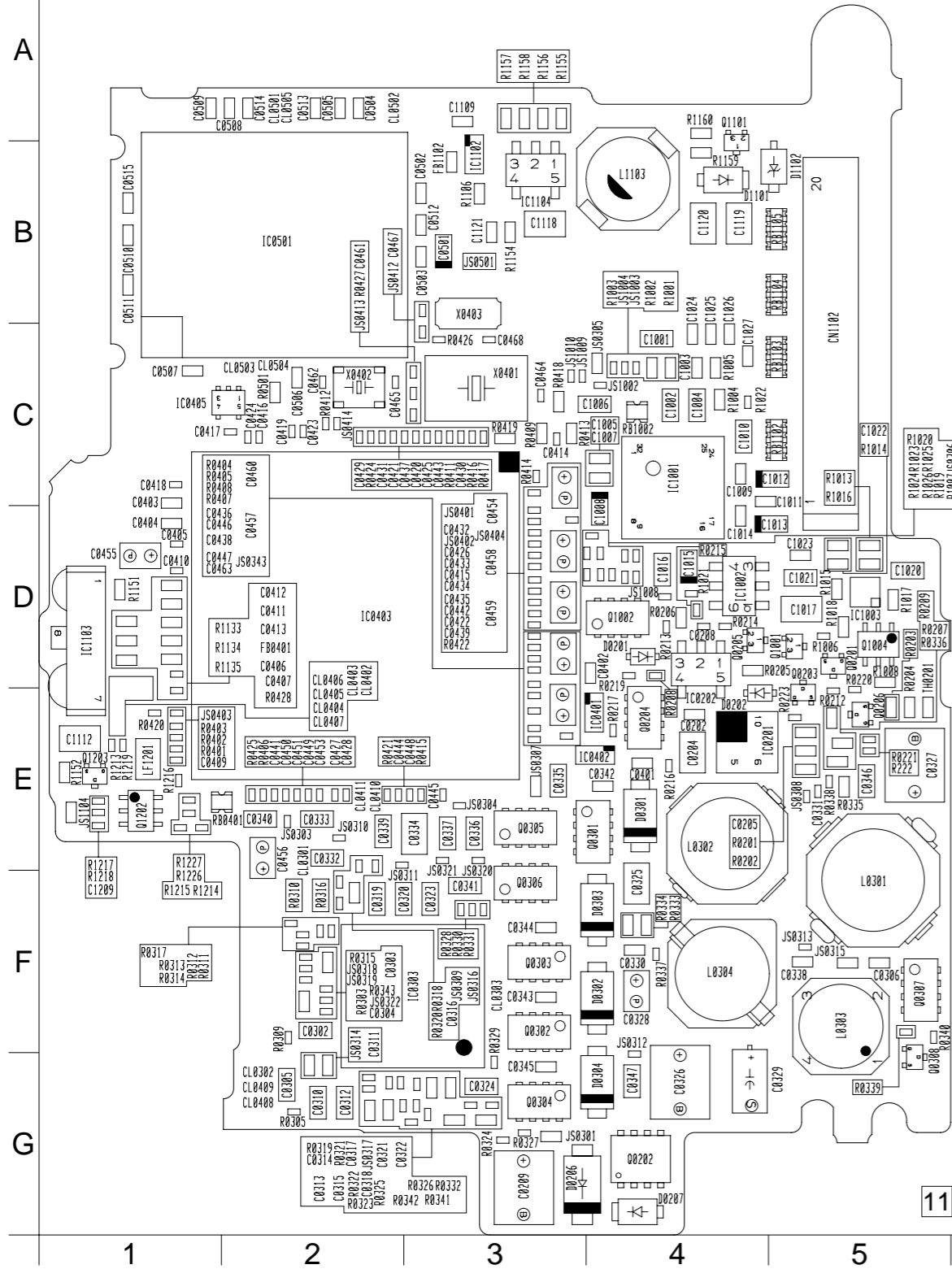
UNIT	TOLERANCE	USED ON	RANK
ANGLE			FAMILY
SCALE		ORIGINAL MODEL	PEG-UX50
		MATERIAL(COLOR)	FINISH(COLOR)
DESCRIPTION			
(D) SP/MIC/Key etc I/F			
SIGN.			
(D) SP/MIC/Key etc I/F			
PART NO.			
SHEET			

HISTORY	X COUNT	SUPPL.	REVISE	REV. NO.	DATE	REVISION	SIGN.

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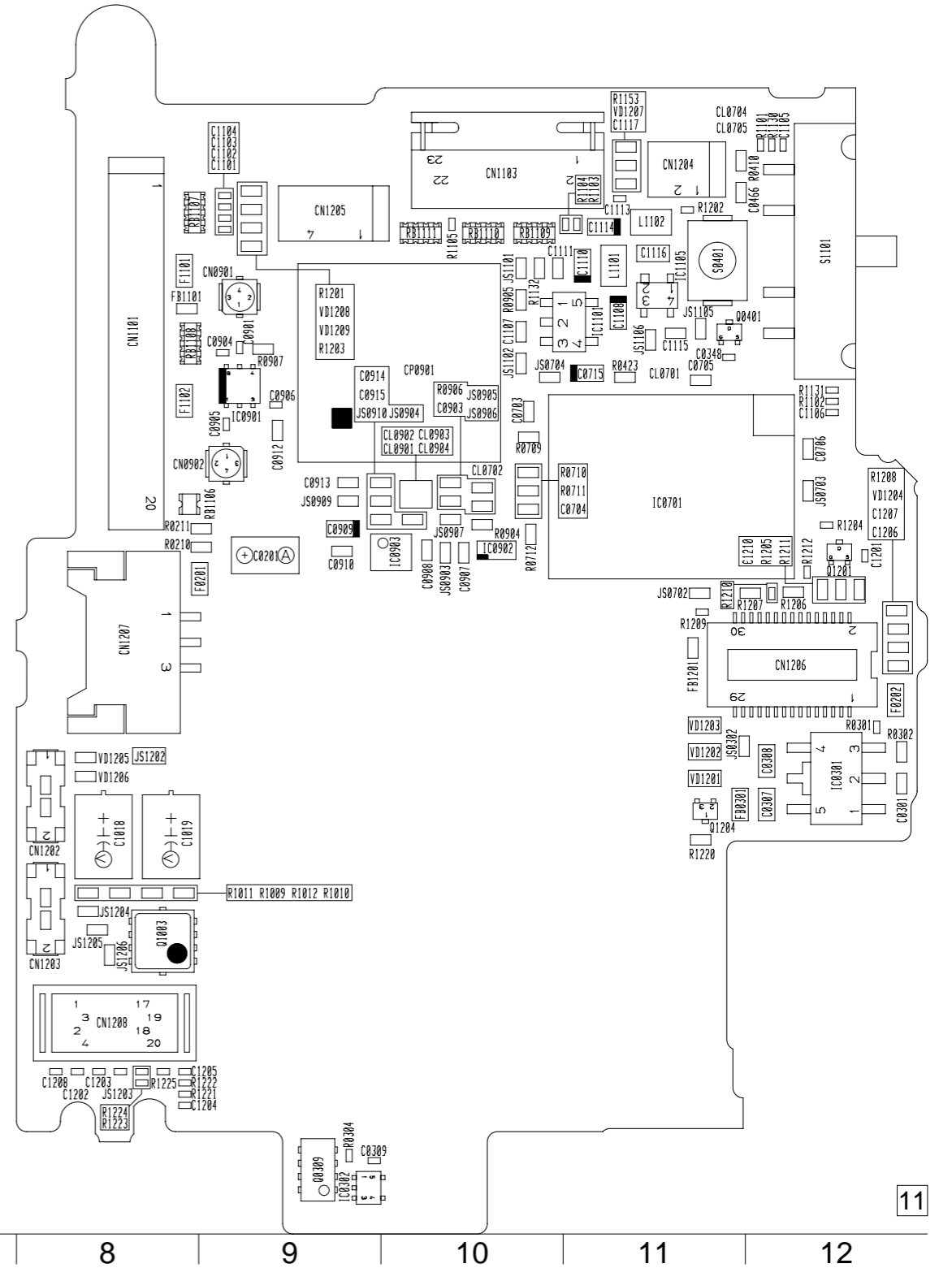
MP-71 BOARD (SIDE A)



MP-71 Board

- CN0901 B-9
- CN1101 C-8
- CN1102 C-5
- CN1103 B-10
- CN1202 E-8
- CN1203 F-8
- CN1204 B-11
- CN1205 B-9
- CN1206 D-12
- CN1207 D-8
- CN1208 F-8
- DO201 D-4
- DO202 E-4
- DO206 G-3
- DO207 G-4
- DO301 F-4
- DO302 F-4
- DO303 F-4
- DO304 G-4
- D1101 B-4
- D1102 B-5
- IC0201 E-4
- IC0202 D-4
- IC0301 F-12
- IC0302 G-9
- IC0303 F-3
- IC0401 F-4
- IC0402 E-4
- IC0403 D-2
- IC0405 C-2
- IC0501 B-2
- IC0701 D-11
- IC0901 C-9
- IC0902 D-10
- IC0903 D-10
- IC1001 C-4
- IC1002 D-4
- IC1003 D-5
- IC1101 B-11
- IC1102 B-3
- IC1103 D-1
- IC1104 B-3
- IC1105 B-11
- Q0201 D-5
- Q0202 G-4
- Q0203 E-5
- Q0204 F-4
- Q0205 D-4
- Q0206 E-5
- Q0301 F-4
- Q0302 F-3
- Q0303 F-3
- Q0304 G-3
- Q0305 F-3
- Q0306 F-3
- Q0307 F-5
- Q0308 G-5
- Q0309 G-9
- Q0401 C-11
- Q1001 D-5
- Q1002 D-4
- Q1003 F-8
- Q1004 D-5
- Q1101 A-4
- Q1201 D-12
- Q1202 E-1
- Q1203 E-1
- Q1204 E-11

MP-71 BOARD (SIDE B)



## SECTION 4 DATA WRITING

**Note: A writing method of Magic Gate ID is not mentioned in this manual because of the license reason.**

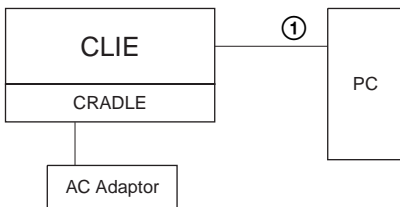
### 4-1. WRITING THE FLASH ID SERIAL NUMBER CHECK AND REWRITING

**Equipment used:**

- PC (Windows 2000 installed)
- Writing tool soft\_UX50U : J-2507-581-\*
- Writing tool soft\_UX50E : J-2507-582-\*
- Writing tool soft\_UX40U : J-2507-586-\*
- USB cable (E45SERIES “Mini-B”)
- Memory Stick (MS) : More than 4MByte
- AC power adapter : PEGA-AC10
- Charger cradle : PEGA-JC40

#### 4-1-1. Connection

① USB cable



1. Connect the CLIE and the PC with the “USB cable”.
2. Connect the “Charger cradle” to the CLIE.
3. Connect the AC adapter.

#### 4-1-2. Preparation

1. Use the PC which “Palm desk Top” for PEG-UX50 or PEG-UX40 is not installed in.
2. Copy the “Writing tool soft\_UX50\* (or \_UX40U) \FlashIDUSB\CLIE\IDTool.prc” to the “Palm\Launcher” folder in the “Memory Stick”.
3. Install the USB drivers under the “Writing tool soft\_UX50\* (or \_UX40U)\FlashIDUSB \Driver” in the PC.

#### 4-1-3. Serial Number Check

1. Turn on the Power switch of CLIE if connection is completed.
2. Start the following “Writing tool soft” on the PC.

• Writing tool soft\_UX50\* (or \_UX40U)\FlashIDUSB\  
FlashIDUSB.exe

3. Insert the “Memory Stick” into the CLIE. Tap the “ID Tool” icon on the “Launcher screen”.
4. Current model ID number and serial number are displayed in the READ text box of Flash ID dialog on the PC. However, if the Flash ID has not been written yet, “There doesn’t exist ID” will be displayed.

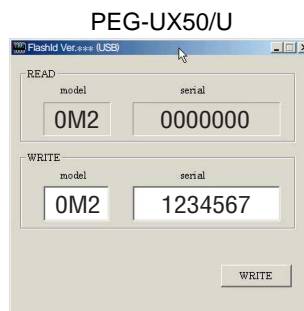
#### 4-1-4. Serial Number Rewriting (Successively, perform the following)

1. Fill in the Write text box as follows.
  - 1) For the Model, enter the model ID number.

Model name	Model ID number
PEG-UX50/U	0M2
PEG-UX50/G	0M3
PEG-UX50/H	0M4
PEG-UX50/E	0M5
PEG-UX50/M	0M6
PEG-UX40/U	0Q2

- 2) For the Serial, enter the serial number indicated on the rear side of the set. (7 digits)

**\*Input example**



2. When the [Write] becomes active on the Flash ID dialog, click it and check for the display of “Write completion”.

## 4-2. WRITING THE BIG ROM DATA

### Equipment used:

- Writingtool\_MemoryStick (WritingMS) : J-2507-492-\*
- PC (MS connector built in)
- Writing tool soft\_UX50U : J-2507-581-\*
- Writing tool soft\_UX50E : J-2507-582-\*
- Writing tool soft\_UX40U : J-2507-586-\*
- AC power adapter : PEGA-AC10
- Charger cradle : PEGA-JC40

1. Format the “WritingMS” with the CLIE.
2. Using the PC, take out the following file from the “Writing tool soft” and extract it the ZIP format, and then copy all of the extracted files and folders to the top directory of the “Writing MS” formatted in step 1.

- UX50U\WideBin\ysx112\_enUS.zip ..... (UX50/G, H, M, U)
- UX50E\WideBin\ysx113\_EFG.zip ..... (UX50/E)
- UX40U\WideBin\ysx122\_enUS.zip ..... (UX40/U)

3. Insert the “WritingMS” used in step 2 into the “Memory Stick” connector of the CLIE.
4. Press the RESET button while pressing the Capture button and Power key simultaneously.  
(When releasing the buttons, release the RESET button first.)
5. The ROM data writing screen will appear, and the data writing will start.

**Note:** In writing the data, the Charger cradle must be used to stabilize the power supply.

#### PEG-UX50/\*

```
#####
## PalmOS Writing Utility ##
## for MassProduction ##
#####

*** Init SDRAM ***
end of Init SDRAM
.....
PalmOS: ysx11*_*_*_*_*_.widebin

*** Write PalmOS
100%
end of WritePalmOS(4.2869sec)
.....
```

#### PEG-UX40/U

```
#####
## PalmOS Writing Utility ##
## for MassProduction ##
#####

*** Init SDRAM ***
end of Init SDRAM
.....
PalmOS: ysx122_enUS.widebin

*** Write PalmOS
100%
end of WritePalmOS(4.2869sec)
.....
```

6. When the data writing finished and “OK!” is displayed, perform the soft reset.

## 4-3. LCD VCOM ADJUSTMENT

**Note:** Execute this adjustment with the case that ROM or LCD was replaced by all means.

1. Select the “VCom Adjust” from [TEST MODE] screen with procedure in “1-1. STARTING THE TEST MODE”.
2. Adjust to the most suitable “flicker” with procedure in “1-2-11. LCD VCom Adjustment”.
3. Quit the Test Mode with procedure in “1-2-12. Quitting the Test Mode”.

## 4-4. CONFIRMING THE RESULT OF ADJUSTMENT AND REPAIR

1. Execute “TEST MODE CHECK” and “OPERATION CHECK”.

## 4-5. HOW TO CHANGE OF MODEL ID WHEN REFURBISHING

**Execute section 4-5 only when refurbishing the machine (USA).**

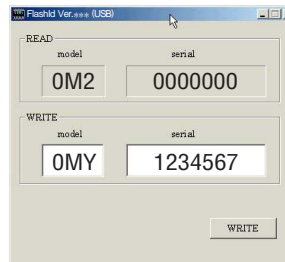
### 4-5-1. Checking the Present Model ID and How to Change It

Model name	Model ID number	After the first refurbishing	After the second refurbishing
PEG-UX50/U	0M2	0MY	0MW
PEG-UX40/U	0Q2	0QT	0QS

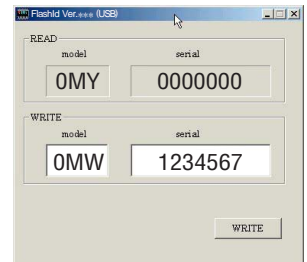
1. Check the Model ID from suffix number.
2. Refer to Section 4-1 for the procedure of checking and writing the Model ID.  
Flash ID dialog appears on the PC as shown below.

#### \*Input example (PEG-UX50/U)

After the first Refurbishing  
“0M2”→“0MY”



After the second Refurbishing  
“0MY”→“0MW”



3. When the machine requires the third refurbishing, abandon the set.

### 4-5-2. Handling the Serial No. Label

1. It is not necessary to change the serial number label.

### 4-5-3. Checking the Flash ID

1. Check “Flash ID” and “Serial No.” with the procedure in “1-2-9. Flash Check”.

#### \*Input example (PEG-UX50/U)

- “Flash ID H0MY\*\*\*\*\*”  
(0MY: Model ID Number)
- “Serial No.” is the same as the number you have input.



# SECTION 5 ELECTRICAL PARTS LIST

MP-56/MP-71

**NOTE:**

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked “\*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- RESISTORS  
All resistors are in ohms.
- CAPACITORS  
uF:  $\mu$ F
- COILS  
uH:  $\mu$ H

**【使用上の注意】**

- ここに記載されている部品は、補修用部品であるため、回路図及びセットに付いている部品と異なる場合があります。
- \*印の部品は常時在庫しておりません。
- 抵抗の単位 $\Omega$ は省略してあります。
- コンデンサの単位でuFは $\mu$ Fを示します。
- インダクタの単位で、uHは $\mu$ Hを示します。

$\Delta$ 印の部品、または $\Delta$ 印付きの点線で囲まれた部品は、安全性を維持するために重要な部品です。従って交換時は、必ず指定の部品を使用して下さい。

The components identified by mark $\Delta$ or dotted line with mark $\Delta$ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque $\Delta$ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.
--	---

**Notice: When you replaced [MP COMPLETE PWB], writing of [Flash ID] is necessary.**  
**注意：MP基板を交換した時は、「Flash ID」の書き込みが必要です。**

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
	A-8068-123-A	COMPLETE PWB (S), MP-56 (B)	(UX50J)	C0324	1-165-908-11	CERAMIC CHIP 1uF 10%	10V
	A-8068-287-A	COMPLETE PWB (S), MP-56 (A)	(UX50G, H, M, U)	C0325	1-137-710-11	CERAMIC CHIP 10uF 20%	6.3V
	A-8068-385-A	MP-71 (A) COMPL (S)	(UX40U)	C0327	1-100-715-91	TANTAL. CHIP 22uF	6.3V
	A-6071-559-A	COMPLETE PWB (S), MP-56 (E)	(UX50E)	C0328	1-100-442-91	TANTAL. CHIP 10uF 20%	6.3V
	< CAPACITOR >			C0329	1-137-858-11	TANTAL. CHIP 47uF 20%	6.3V
				C0330	1-164-939-11	CERAMIC CHIP 0.0022uF 10%	50V
C0201	1-137-704-91	TANTAL. CHIP 10uF 20%	10V	C0331	1-128-630-91	CERAMIC CHIP 0.0047uF 10%	6.3V
C0202	1-125-777-11	CERAMIC CHIP 0.1uF 10%	10V	C0332	1-125-837-91	CERAMIC CHIP 1uF 10%	6.3V
C0204	1-137-710-11	CERAMIC CHIP 10uF 20%	6.3V	C0333	1-125-837-91	CERAMIC CHIP 1uF 10%	6.3V
C0205	1-125-777-11	CERAMIC CHIP 0.1uF 10%	10V	C0334	1-127-573-11	CERAMIC CHIP 1uF 10%	16V
C0208	1-100-504-91	CERAMIC CHIP 0.1uF 20%	6.3V	C0335	1-125-837-91	CERAMIC CHIP 1uF 10%	6.3V
C0209	1-128-694-11	TANTAL. CHIP 22uF 20%	10V	C0336	1-165-884-91	CERAMIC CHIP 2.2uF 10%	6.3V
C0301	1-125-777-11	CERAMIC CHIP 0.1uF 10%	10V	C0337	1-125-837-91	CERAMIC CHIP 1uF 10%	6.3V
C0302	1-165-908-11	CERAMIC CHIP 1uF 10%	10V	C0338	1-100-506-91	CERAMIC CHIP 1uF 20%	6.3V
C0303	1-100-506-91	CERAMIC CHIP 1uF 20%	6.3V	C0339	1-125-837-91	CERAMIC CHIP 1uF 10%	6.3V
C0304	1-100-504-91	CERAMIC CHIP 0.1uF 20%	6.3V	C0340	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V
C0305	1-165-908-11	CERAMIC CHIP 1uF 10%	10V	C0341	1-165-908-11	CERAMIC CHIP 1uF 10%	10V
C0306	1-119-923-11	CERAMIC CHIP 0.047uF 10%	10V	C0342	1-100-506-91	CERAMIC CHIP 1uF 20%	6.3V
C0307	1-165-908-11	CERAMIC CHIP 1uF 10%	10V	C0343	1-100-506-91	CERAMIC CHIP 1uF 20%	6.3V
C0308	1-165-908-11	CERAMIC CHIP 1uF 10%	10V	C0344	1-100-506-91	CERAMIC CHIP 1uF 20%	6.3V
C0309	1-100-504-91	CERAMIC CHIP 0.1uF 20%	6.3V	C0345	1-100-506-91	CERAMIC CHIP 1uF 20%	6.3V
C0310	1-162-968-11	CERAMIC CHIP 0.0047uF 10%	50V	C0346	1-125-837-91	CERAMIC CHIP 1uF 10%	6.3V
C0311	1-125-777-11	CERAMIC CHIP 0.1uF 10%	10V	C0347	1-125-837-91	CERAMIC CHIP 1uF 10%	6.3V
C0312	1-165-176-11	CERAMIC CHIP 0.047uF 10%	16V	C0401	1-125-777-11	CERAMIC CHIP 0.1uF 10%	10V
C0313	1-164-941-11	CERAMIC CHIP 0.0047uF 10%	16V	C0402	1-125-777-11	CERAMIC CHIP 0.1uF 10%	10V
C0314	1-128-630-91	CERAMIC CHIP 0.0047uF 10%	6.3V	C0403	1-125-777-11	CERAMIC CHIP 0.1uF 10%	10V
C0315	1-127-988-81	CERAMIC CHIP 15000PF 10%	16V	C0404	1-125-777-11	CERAMIC CHIP 0.1uF 10%	10V
C0316	1-100-506-91	CERAMIC CHIP 1uF 20%	6.3V	C0405	1-100-504-91	CERAMIC CHIP 0.1uF 20%	6.3V
C0317	1-128-627-91	CERAMIC CHIP 0.001uF 10%	16V	C0406	1-125-777-11	CERAMIC CHIP 0.1uF 10%	10V
C0318	1-128-627-91	CERAMIC CHIP 0.001uF 10%	16V	C0407	1-100-504-91	CERAMIC CHIP 0.1uF 20%	6.3V
C0319	1-165-908-11	CERAMIC CHIP 1uF 10%	10V	C0409	1-100-504-91	CERAMIC CHIP 0.1uF 20%	6.3V
C0320	1-165-908-11	CERAMIC CHIP 1uF 10%	10V	C0410	1-100-504-91	CERAMIC CHIP 0.1uF 20%	6.3V
C0321	1-125-777-11	CERAMIC CHIP 0.1uF 10%	10V	C0411	1-125-777-11	CERAMIC CHIP 0.1uF 10%	10V
C0322	1-164-941-11	CERAMIC CHIP 0.0047uF 10%	16V	C0412	1-125-777-11	CERAMIC CHIP 0.1uF 10%	10V
C0323	1-165-908-11	CERAMIC CHIP 1uF 10%	10V	C0413	1-125-777-11	CERAMIC CHIP 0.1uF 10%	10V

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
C0414	1-128-627-91	CERAMIC CHIP	0.001uF 10% 16V	C0505	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V
C0415	1-100-504-91	CERAMIC CHIP	0.1uF 20% 6.3V	C0506	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V
C0416	1-100-504-91	CERAMIC CHIP	0.1uF 20% 6.3V	C0507	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V
C0417	1-100-504-91	CERAMIC CHIP	0.1uF 20% 6.3V	C0508	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V
C0418	1-100-504-91	CERAMIC CHIP	0.1uF 20% 6.3V	C0509	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V
C0419	1-100-504-91	CERAMIC CHIP	0.1uF 20% 6.3V	C0510	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V
C0420	1-100-504-91	CERAMIC CHIP	0.1uF 20% 6.3V	C0511	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V
C0421	1-100-504-91	CERAMIC CHIP	0.1uF 20% 6.3V	C0512	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V
C0422	1-100-504-91	CERAMIC CHIP	0.1uF 20% 6.3V	C0513	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V
C0423	1-100-504-91	CERAMIC CHIP	0.1uF 20% 6.3V	C0514	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V
C0424	1-100-504-91	CERAMIC CHIP	0.1uF 20% 6.3V	C0515	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V
C0425	1-100-504-91	CERAMIC CHIP	0.1uF 20% 6.3V	C0701	1-137-700-11	TANTAL. CHIP	10uF 20% 6.3V (UX50)
C0426	1-100-504-91	CERAMIC CHIP	0.1uF 20% 6.3V	C0702	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V (UX50)
C0427	1-100-504-91	CERAMIC CHIP	0.1uF 20% 6.3V	C0703	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V (UX50)
C0428	1-100-504-91	CERAMIC CHIP	0.1uF 20% 6.3V	C0703	1-164-943-11	CERAMIC CHIP	0.01uF 10% 16V (UX40)
C0429	1-100-504-91	CERAMIC CHIP	0.1uF 20% 6.3V	C0704	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V
C0430	1-100-504-91	CERAMIC CHIP	0.1uF 20% 6.3V	C0705	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V
C0431	1-100-504-91	CERAMIC CHIP	0.1uF 20% 6.3V	C0706	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V (UX50)
C0432	1-100-504-91	CERAMIC CHIP	0.1uF 20% 6.3V	C0706	1-164-943-11	CERAMIC CHIP	0.01uF 10% 16V (UX40)
C0433	1-100-504-91	CERAMIC CHIP	0.1uF 20% 6.3V	C0707	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V (UX50)
C0434	1-100-504-91	CERAMIC CHIP	0.1uF 20% 6.3V	C0708	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V (UX50)
C0435	1-100-504-91	CERAMIC CHIP	0.1uF 20% 6.3V	C0709	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V (UX50)
C0436	1-100-504-91	CERAMIC CHIP	0.1uF 20% 6.3V	C0710	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V (UX50)
C0437	1-100-504-91	CERAMIC CHIP	0.1uF 20% 6.3V	C0711	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V (UX50)
C0438	1-100-504-91	CERAMIC CHIP	0.1uF 20% 6.3V	C0712	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V (UX50)
C0439	1-100-504-91	CERAMIC CHIP	0.1uF 20% 6.3V	C0713	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V (UX50)
C0441	1-100-504-91	CERAMIC CHIP	0.1uF 20% 6.3V	C0714	1-128-627-91	CERAMIC CHIP	0.001uF 10% 16V (UX50)
C0442	1-100-504-91	CERAMIC CHIP	0.1uF 20% 6.3V	C0715	1-137-700-11	TANTAL. CHIP	10uF 20% 6.3V
C0443	1-100-504-91	CERAMIC CHIP	0.1uF 20% 6.3V	C0801	1-100-506-91	CERAMIC CHIP	1uF 20% 6.3V (UX50)
C0444	1-100-504-91	CERAMIC CHIP	0.1uF 20% 6.3V	C0802	1-137-858-11	TANTAL. CHIP	47uF 20% 6.3V (UX50)
C0445	1-100-504-91	CERAMIC CHIP	0.1uF 20% 6.3V	C0803	1-164-943-11	CERAMIC CHIP	0.01uF 10% 16V (UX50)
C0446	1-100-504-91	CERAMIC CHIP	0.1uF 20% 6.3V	C0804	1-137-858-11	TANTAL. CHIP	47uF 20% 6.3V (UX50)
C0447	1-100-504-91	CERAMIC CHIP	0.1uF 20% 6.3V	C0805	1-164-943-11	CERAMIC CHIP	0.01uF 10% 16V (UX50)
C0448	1-100-504-91	CERAMIC CHIP	0.1uF 20% 6.3V	C0806	1-164-943-11	CERAMIC CHIP	0.01uF 10% 16V (UX50)
C0449	1-100-504-91	CERAMIC CHIP	0.1uF 20% 6.3V	C0807	1-100-506-91	CERAMIC CHIP	1uF 20% 6.3V (UX50)
C0450	1-100-504-91	CERAMIC CHIP	0.1uF 20% 6.3V	C0901	1-128-614-11	CERAMIC CHIP	56PF 5% 25V
C0451	1-100-504-91	CERAMIC CHIP	0.1uF 20% 6.3V	C0902	1-128-604-91	CERAMIC CHIP	10PF 0.5PF 25V (UX50)
C0453	1-100-504-91	CERAMIC CHIP	0.1uF 20% 6.3V	C0903	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V
C0454	1-127-895-91	TANTAL. CHIP	22uF 20% 4V	C0904	1-128-604-91	CERAMIC CHIP	10PF 0.5PF 25V
C0455	1-127-895-91	TANTAL. CHIP	22uF 20% 4V				
C0456	1-117-919-11	TANTAL. CHIP	10uF 20% 6.3V				
C0457	1-127-895-91	TANTAL. CHIP	22uF 20% 4V				
C0458	1-117-919-11	TANTAL. CHIP	10uF 20% 6.3V				
C0459	1-127-895-91	TANTAL. CHIP	22uF 20% 4V				
C0460	1-117-919-11	TANTAL. CHIP	10uF 20% 6.3V				
C0461	1-127-998-91	CERAMIC CHIP	8PF 0.5PF 25V				
C0462	1-128-604-91	CERAMIC CHIP	10PF 0.5PF 25V				
C0463	1-100-504-91	CERAMIC CHIP	0.1uF 20% 6.3V				
C0464	1-127-998-91	CERAMIC CHIP	8PF 0.5PF 25V				
C0465	1-128-604-91	CERAMIC CHIP	10PF 0.5PF 25V				
C0466	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V				
C0467	1-128-607-11	CERAMIC CHIP	18PF 5% 25V				
C0468	1-128-608-91	CERAMIC CHIP	22PF 5% 25V				
C0501	1-137-700-11	TANTAL. CHIP	10uF 20% 6.3V				
C0502	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V				
C0503	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V				
C0504	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V				

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
C0905	1-128-614-11	CERAMIC CHIP	56PF 5% 25V (UX50)	C1204	1-128-632-91	CERAMIC CHIP	0.01uF 10% 6.3V
C0906	1-128-614-11	CERAMIC CHIP	56PF 5% 25V	C1205	1-128-632-91	CERAMIC CHIP	0.01uF 10% 6.3V
C0907	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V	C1206	1-164-937-11	CERAMIC CHIP	0.001uF 10% 50V
C0908	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V	C1207	1-164-937-11	CERAMIC CHIP	0.001uF 10% 50V
C0910	1-100-506-91	CERAMIC CHIP	1uF 20% 6.3V	C1208	1-100-504-91	CERAMIC CHIP	0.1uF 20% 6.3V
C0912	1-164-943-11	CERAMIC CHIP	0.01uF 10% 16V	C1210	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V
C0913	1-164-937-11	CERAMIC CHIP	0.001uF 10% 50V	< CONNECTOR >			
C0914	1-164-943-11	CERAMIC CHIP	0.01uF 10% 16V	CN0901	1-815-715-21	CONNECTOR, COAXIAL	
C0915	1-164-937-11	CERAMIC CHIP	0.001uF 10% 50V	CN0902	1-815-715-21	CONNECTOR, COAXIAL	(UX50)
C1002	1-165-908-11	CERAMIC CHIP	1uF 10% 10V	CN1101	1-794-997-21	PIN, CONNECTOR 20P	
C1003	1-164-933-11	CERAMIC CHIP	220PF 10% 50V	CN1102	1-794-997-41	PIN, CONNECTOR 20P	
C1004	1-165-908-11	CERAMIC CHIP	1uF 10% 10V	CN1103	1-816-595-41	CONNECTOR, FPC (ZIF) 23P	
C1005	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V	CN1202	1-817-770-11	CONNECTOR (RECEPTACLE) 2P	
C1006	1-125-837-91	CERAMIC CHIP	1uF 10% 6.3V	CN1203	1-817-770-21	CONNECTOR (RECEPTACLE) 2P	
C1007	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V	CN1204	1-794-375-21	PIN, CONNECTOR 2P	
C1009	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V	CN1205	1-794-376-21	PIN, CONNECTOR 4P	
C1010	1-125-837-91	CERAMIC CHIP	1uF 10% 6.3V	CN1206	1-817-820-11	CONNECTOR, BOARD TO BOARD 30P	
C1011	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V	CN1207	1-793-913-21	PIN, CONNECTOR (WITH PWB) 3P	
C1012	1-137-700-11	TANTAL. CHIP	10uF 20% 6.3V	CN1208	1-817-818-11	CONNECTOR, BOARD TO BOARD 20P	
C1014	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V	< COMPOSITION CIRCUIT BLOCK >			
C1015	1-137-700-11	TANTAL. CHIP	10uF 20% 6.3V	CP0701	1-805-411-11	MODULE ML251	(UX50)
C1016	1-115-467-11	CERAMIC CHIP	0.22uF 10% 10V	< DIODE >			
C1017	1-125-889-91	CERAMIC CHIP	2.2uF 10% 10V	D0201	8-719-071-34	DIODE RB521S-30-TE61	
C1018	1-100-610-91	TANTAL. CHIP	220uF 5V	D0202	8-719-071-34	DIODE RB521S-30-TE61	
C1019	1-100-610-91	TANTAL. CHIP	220uF 5V	D0206	8-719-081-67	DIODE M1FM3	
C1020	1-165-908-11	CERAMIC CHIP	1uF 10% 10V	D0207	6-500-238-01	DIODE CUS01 (TE85R)	
C1021	1-165-908-11	CERAMIC CHIP	1uF 10% 10V	D0301	8-719-085-43	DIODE MA2YD2300LS0	
C1022	1-165-887-91	CERAMIC CHIP	0.22uF 10% 6.3V	D0302	8-719-085-43	DIODE MA2YD2300LS0	
C1023	1-165-887-91	CERAMIC CHIP	0.22uF 10% 6.3V	D0303	8-719-085-43	DIODE MA2YD2300LS0	
C1024	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V	D0304	8-719-085-43	DIODE MA2YD2300LS0	
C1025	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V	D1101	6-500-238-01	DIODE CUS01 (TE85R)	
C1026	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V	D1102	8-719-018-07	DIODE MA8270-TX	
C1027	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V	< FUSE >			
C1101	1-128-627-91	CERAMIC CHIP	0.001uF 10% 16V	△ F0201	1-576-415-21	FUSE (2A/32V)	
C1102	1-128-627-91	CERAMIC CHIP	0.001uF 10% 16V	△ F0202	1-576-415-21	FUSE (2A/32V)	
C1103	1-128-627-91	CERAMIC CHIP	0.001uF 10% 16V	△ F1101	1-576-646-11	FUSE (0.5A/50V)	
C1104	1-128-627-91	CERAMIC CHIP	0.001uF 10% 16V	△ F1102	1-576-646-11	FUSE (0.5A/50V)	
C1105	1-100-504-91	CERAMIC CHIP	0.1uF 20% 6.3V	< FERRITE BEAD >			
C1106	1-100-504-91	CERAMIC CHIP	0.1uF 20% 6.3V	FB0301	1-414-864-11	FERRITE 0UH	
C1107	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V	FB0401	1-218-990-11	SHORT CHIP 0	
C1108	1-137-700-11	TANTAL. CHIP	10uF 20% 6.3V	FB1101	1-469-580-11	FERRITE 0UH	
C1109	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V	FB1102	1-218-990-11	SHORT CHIP 0	(UX50)
C1110	1-137-700-11	TANTAL. CHIP	10uF 20% 6.3V	FB1102	1-469-580-11	FERRITE 0UH	(UX40)
C1111	1-164-943-11	CERAMIC CHIP	0.01uF 10% 16V	FB1201	1-469-580-11	FERRITE 0UH	
C1112	1-107-823-11	CERAMIC CHIP	0.47uF 10% 16V	< IC >			
C1113	1-128-632-91	CERAMIC CHIP	0.01uF 10% 6.3V	IC0201	6-704-354-01	IC BQ24010ADRCR	
C1114	1-137-700-11	TANTAL. CHIP	10uF 20% 6.3V	IC0202	6-703-858-01	IC NJU7042F (TE1)	
C1115	1-125-777-11	CERAMIC CHIP	0.1uF 10% 10V	IC0301	6-702-316-11	IC TK11233CUCB-G	
C1116	1-125-837-91	CERAMIC CHIP	1uF 10% 6.3V	IC0302	8-759-825-65	IC TC7SZ32AFE (TE85R)	
C1117	1-100-506-91	CERAMIC CHIP	1uF 20% 6.3V	IC0303	6-600-257-01	IC FA7717Q-TE2	
C1118	1-117-720-11	CERAMIC CHIP	4.7uF 10V				
C1119	1-100-565-91	CERAMIC CHIP	0.47uF 10% 35V				
C1120	1-100-565-91	CERAMIC CHIP	0.47uF 10% 35V				
C1121	1-164-937-11	CERAMIC CHIP	0.001uF 10% 50V				
C1201	1-100-504-91	CERAMIC CHIP	0.1uF 20% 6.3V				
C1202	1-128-617-91	CERAMIC CHIP	100PF 5% 25V				
C1203	1-128-617-91	CERAMIC CHIP	100PF 5% 25V				

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
IC0401	6-704-927-01	IC SN74LVC2G66YZPR		JS0907	1-218-990-11	SHORT CHIP	0
IC0402	6-704-927-01	IC SN74LVC2G66YZPR		JS0909	1-218-990-11	SHORT CHIP	0
IC0403	8-752-424-76	IC CXD2230GA-TH		JS0910	1-218-990-11	SHORT CHIP	0
IC0405	8-759-825-65	IC TC7SZ32AFE (TE85R)		JS1001	1-694-535-91	SHORT CHIP	0
IC0501	6-704-944-01	IC K4M563233E-EN80T		JS1002	1-694-535-91	SHORT CHIP	0
IC0901	6-704-932-01	IC NJG1532KB2 (TE2)		JS1003	1-694-535-91	SHORT CHIP	0
IC0902	6-704-928-01	IC SN74LVC2G126YZPR		JS1004	1-694-535-91	SHORT CHIP	0
IC0903	6-703-534-01	IC XC6209B182DR		JS1008	1-694-535-91	SHORT CHIP	0
IC1001	6-704-907-01	IC WM8977LEFL/R		JS1010	1-694-535-91	SHORT CHIP	0
IC1002	6-704-906-01	IC REG710NA-5/3K		JS1101	1-218-990-11	SHORT CHIP	0
IC1003	6-704-727-01	IC NCP2890FCT1G		JS1102	1-218-990-11	SHORT CHIP	0
IC1101	6-703-174-01	IC XC62HR2702MR		JS1104	1-218-990-11	SHORT CHIP	0
IC1102	6-704-928-01	IC SN74LVC2G126YZPR		JS1105	1-218-990-11	SHORT CHIP	0
IC1103	6-704-244-01	IC CIM-80S7S-T		JS1106	1-218-990-11	SHORT CHIP	0
IC1104	6-704-789-01	IC NJU6050F (TE2)		JS1202	1-216-864-11	SHORT CHIP	0
IC1105	6-704-726-01	IC S-1323B22NB-N8HTFG		JS1203	1-694-535-91	SHORT CHIP	0
		< JUMPER >		JS1204	1-218-990-11	SHORT CHIP	0
JS0301	1-218-990-11	SHORT CHIP	0	JS1205	1-218-990-11	SHORT CHIP	0
JS0302	1-218-990-11	SHORT CHIP	0	JS1206	1-218-990-11	SHORT CHIP	0
JS0303	1-694-535-91	SHORT CHIP	0			< COIL >	
JS0304	1-694-535-91	SHORT CHIP	0	L0301	1-400-482-11	INDUCTOR	0uH
JS0305	1-218-990-11	SHORT CHIP	0	L0302	1-400-483-11	INDUCTOR	0uH
JS0306	1-694-535-91	SHORT CHIP	0	L0303	1-400-347-21	INDUCTOR	0uH
JS0307	1-218-990-11	SHORT CHIP	0	L0304	1-400-481-11	INDUCTOR	0uH
JS0308	1-694-535-91	SHORT CHIP	0	L1101	1-469-757-21	INDUCTOR	10uH
JS0309	1-694-535-91	SHORT CHIP	0	L1102	1-469-757-21	INDUCTOR	10uH
JS0310	1-694-535-91	SHORT CHIP	0	L1103	1-400-396-21	INDUCTOR	10uH
JS0311	1-694-535-91	SHORT CHIP	0			< LINE FILTER >	
JS0312	1-694-535-91	SHORT CHIP	0	LF1201	1-456-249-21	INDUCTOR	0uH
JS0313	1-694-535-91	SHORT CHIP	0			< TRANSISTOR >	
JS0314	1-218-990-11	SHORT CHIP	0	Q0201	6-550-379-01	TRANSISTOR	2SK354700LS0
JS0315	1-218-990-11	SHORT CHIP	0	Q0202	6-550-378-01	TRANSISTOR	ECH8301-TL-E
JS0316	1-694-535-91	SHORT CHIP	0	Q0203	6-550-379-01	TRANSISTOR	2SK354700LS0
JS0318	1-694-535-91	SHORT CHIP	0	Q0204	6-550-671-01	TRANSISTOR	NTHC5513T1G
JS0319	1-694-535-91	SHORT CHIP	0	Q0205	6-550-226-01	TRANSISTOR	2SA207800LS0
JS0320	1-694-535-91	SHORT CHIP	0	Q0206	6-550-379-01	TRANSISTOR	2SK354700LS0
JS0321	1-694-535-91	SHORT CHIP	0	Q0301	6-550-671-01	TRANSISTOR	NTHC5513T1G
JS0322	1-694-535-91	SHORT CHIP	0	Q0302	6-550-671-01	TRANSISTOR	NTHC5513T1G
JS0343	1-694-535-91	SHORT CHIP	0	Q0303	6-550-671-01	TRANSISTOR	NTHC5513T1G
JS0401	1-694-535-91	SHORT CHIP	0	Q0304	6-550-671-01	TRANSISTOR	NTHC5513T1G
JS0402	1-694-535-91	SHORT CHIP	0	Q0305	6-550-671-01	TRANSISTOR	NTHC5513T1G
JS0403	1-694-535-91	SHORT CHIP	0	Q0306	6-550-671-01	TRANSISTOR	NTHC5513T1G
JS0404	1-694-535-91	SHORT CHIP	0	Q0307	6-550-671-01	TRANSISTOR	NTHC5513T1G
JS0412	1-240-718-91	METAL CHIP	100K 5% 1/20W	Q0308	6-550-379-01	TRANSISTOR	2SK354700LS0
JS0413	1-694-535-91	SHORT CHIP	0	Q0309	6-550-671-01	TRANSISTOR	NTHC5513T1G
JS0414	1-240-689-91	METAL CHIP	330 5% 1/20W	Q0401	6-550-379-01	TRANSISTOR	2SK354700LS0
JS0501	1-216-864-11	SHORT CHIP	0	Q0801	6-550-379-01	TRANSISTOR	2SK354700LS0 (UX50)
JS0701	1-218-990-11	SHORT CHIP	0 (UX50)	Q0802	6-550-670-01	TRANSISTOR	NTHS4101PT1 (UX50)
JS0702	1-218-990-11	SHORT CHIP	0	Q1001	6-550-233-01	TRANSISTOR	UNR32A100LS0
JS0703	1-218-990-11	SHORT CHIP	0	Q1002	6-550-671-01	TRANSISTOR	NTHC5513T1G
JS0704	1-218-990-11	SHORT CHIP	0	Q1003	6-550-387-01	TRANSISTOR	SI7904DN-T1
JS0801	1-218-990-11	SHORT CHIP	0 (UX50)	Q1004	8-729-056-84	TRANSISTOR	SSM6N05FU (TE85R)
JS0803	1-218-990-11	SHORT CHIP	0 (UX50)	Q1101	6-550-227-01	TRANSISTOR	2SC584600LS0
JS0903	1-218-990-11	SHORT CHIP	0	Q1201	6-550-379-01	TRANSISTOR	2SK354700LS0
JS0904	1-218-990-11	SHORT CHIP	0				
JS0905	1-218-990-11	SHORT CHIP	0				
JS0906	1-218-990-11	SHORT CHIP	0				

Ref. No.	Part No.	Description	Remarks			Ref. No.	Part No.	Description	Remarks		
Q1202	8-729-056-84	TRANSISTOR	SSM6N05FU (TE85R)			R0337	1-240-695-91	METAL CHIP	1K	5%	1/20W
Q1203	6-550-379-01	TRANSISTOR	2SK354700LS0			R0338	1-240-683-91	METAL CHIP	100	5%	1/20W
Q1204	6-550-234-01	TRANSISTOR	UNR32A300LS0			R0339	1-240-726-91	METAL CHIP	470K	5%	1/20W
		< RESISTOR >				R0340	1-240-683-91	METAL CHIP	100	5%	1/20W
R222	1-240-718-91	METAL CHIP	100K	5%	1/20W	R0341	1-208-928-11	METAL CHIP	51K	0.5%	1/16W
R0201	1-208-897-81	METAL CHIP	2.7K	0.5%	1/16W	R0342	1-208-937-81	METAL CHIP	120K	0.5%	1/16W
R0202	1-208-905-81	METAL CHIP	5.6K	0.5%	1/16W	R0343	1-240-718-91	METAL CHIP	100K	5%	1/20W
R0203	1-208-906-81	METAL CHIP	6.2K	0.5%	1/16W	R0401	1-240-718-91	METAL CHIP	100K	5%	1/20W
R0204	1-208-912-11	METAL CHIP	11K	0.5%	1/16W	R0402	1-240-718-91	METAL CHIP	100K	5%	1/20W
R0205	1-208-899-81	METAL CHIP	3.3K	0.5%	1/16W	R0403	1-240-718-91	METAL CHIP	100K	5%	1/20W
R0206	1-208-959-81	METAL CHIP	1M	0.5%	1/16W	R0404	1-240-718-91	METAL CHIP	100K	5%	1/20W
R0207	1-208-943-11	METAL CHIP	220K	0.5%	1/16W	R0405	1-240-718-91	METAL CHIP	100K	5%	1/20W
R0208	1-240-683-91	METAL CHIP	100	5%	1/20W	R0406	1-240-718-91	METAL CHIP	100K	5%	1/20W
R0209	1-208-943-11	METAL CHIP	220K	0.5%	1/16W	R0407	1-240-707-91	METAL CHIP	10K	5%	1/20W
R0210	1-208-935-11	METAL CHIP	100K	0.5%	1/16W	R0408	1-240-707-91	METAL CHIP	10K	5%	1/20W
R0211	1-208-943-11	METAL CHIP	220K	0.5%	1/16W	R0409	1-218-977-11	RES-CHIP	100K	5%	1/16W
R0212	1-240-718-91	METAL CHIP	100K	5%	1/20W	R0410	1-218-965-11	RES-CHIP	10K	5%	1/16W
R0213	1-240-711-91	METAL CHIP	22K	5%	1/20W	R0411	1-240-718-91	METAL CHIP	100K	5%	1/20W
R0214	1-240-714-91	METAL CHIP	47K	5%	1/20W	R0412	1-240-729-91	METAL CHIP	1M	5%	1/20W
R0215	1-240-722-91	METAL CHIP	220K	5%	1/20W	R0413	1-218-977-11	RES-CHIP	100K	5%	1/16W
R0216	1-240-718-91	METAL CHIP	100K	5%	1/20W	R0414	1-240-718-91	METAL CHIP	100K	5%	1/20W
R0217	1-240-726-91	METAL CHIP	470K	5%	1/20W	R0415	1-240-718-91	METAL CHIP	100K	5%	1/20W
R0219	1-240-718-91	METAL CHIP	100K	5%	1/20W	R0416	1-240-718-91	METAL CHIP	100K	5%	1/20W
R0220	1-240-718-91	METAL CHIP	100K	5%	1/20W	R0417	1-240-718-91	METAL CHIP	100K	5%	1/20W
R0221	1-240-720-91	METAL CHIP	150K	5%	1/20W	R0418	1-218-977-11	RES-CHIP	100K	5%	1/16W
R0223	1-240-701-91	METAL CHIP	3.3K	5%	1/20W	R0420	1-240-718-91	METAL CHIP	100K	5%	1/20W
R0301	1-240-707-91	METAL CHIP	10K	5%	1/20W	R0421	1-240-718-91	METAL CHIP	100K	5%	1/20W
R0302	1-218-983-11	RES-CHIP	330K	5%	1/16W	R0422	1-240-718-91	METAL CHIP	100K	5%	1/20W
R0303	1-218-973-11	RES-CHIP	47K	5%	1/16W	R0423	1-218-965-11	RES-CHIP	10K	5%	1/16W
R0304	1-240-726-91	METAL CHIP	470K	5%	1/20W	R0424	1-240-718-91	METAL CHIP	100K	5%	1/20W
R0305	1-240-711-91	METAL CHIP	22K	5%	1/20W	R0425	1-240-718-91	METAL CHIP	100K	5%	1/20W
R0309	1-240-721-91	METAL CHIP	180K	5%	1/20W	R0427	1-240-729-91	METAL CHIP	1M	5%	1/20W
R0310	1-245-602-91	METAL CHIP	150K	0.1%	1/10W	R0428	1-240-691-91	METAL CHIP	470	5%	1/20W
R0311	1-240-718-91	METAL CHIP	100K	5%	1/20W	R0501	1-218-933-11	RES-CHIP	22	5%	1/16W
R0312	1-240-718-91	METAL CHIP	100K	5%	1/20W	R0701	1-218-990-11	SHORT CHIP	0		(UX50)
R0313	1-240-718-91	METAL CHIP	100K	5%	1/20W	R0702	1-240-718-91	METAL CHIP	100K	5%	1/20W
R0314	1-240-718-91	METAL CHIP	100K	5%	1/20W						(UX50)
R0315	1-240-718-91	METAL CHIP	100K	5%	1/20W	R0703	1-240-718-91	METAL CHIP	100K	5%	1/20W
R0316	1-245-598-91	METAL CHIP	240K	0.1%	1/10W						(UX50)
R0317	1-240-707-91	METAL CHIP	10K	5%	1/20W	R0704	1-240-718-91	METAL CHIP	100K	5%	1/20W
R0318	1-240-718-91	METAL CHIP	100K	5%	1/20W						(UX50)
R0319	1-240-703-91	METAL CHIP	4.7K	5%	1/20W	R0705	1-240-707-91	METAL CHIP	10K	5%	1/20W
R0321	1-240-703-91	METAL CHIP	4.7K	5%	1/20W						(UX50)
R0322	1-240-695-91	METAL CHIP	1K	5%	1/20W	R0706	1-240-718-91	METAL CHIP	100K	5%	1/20W
R0323	1-240-707-91	METAL CHIP	10K	5%	1/20W						(UX50)
R0325	1-240-699-91	METAL CHIP	2.2K	5%	1/20W	R0707	1-240-718-91	METAL CHIP	100K	5%	1/20W
R0326	1-240-711-91	METAL CHIP	22K	5%	1/20W						(UX50)
R0328	1-240-718-91	METAL CHIP	100K	5%	1/20W	R0708	1-240-718-91	METAL CHIP	100K	5%	1/20W
R0329	1-240-718-91	METAL CHIP	100K	5%	1/20W						(UX50)
R0330	1-240-718-91	METAL CHIP	100K	5%	1/20W	R0710	1-218-965-11	RES-CHIP	10K	5%	1/16W
R0331	1-240-718-91	METAL CHIP	100K	5%	1/20W						(UX40)
R0332	1-240-683-91	METAL CHIP	100	5%	1/20W	R0711	1-240-707-91	METAL CHIP	10K	5%	1/20W
R0333	1-208-912-11	METAL CHIP	11K	0.5%	1/16W						(UX50)
R0334	1-208-925-81	METAL CHIP	39K	0.5%	1/16W	R0711	1-218-965-11	RES-CHIP	10K	5%	1/16W
R0335	1-208-908-11	METAL CHIP	7.5K	0.5%	1/16W						(UX40)
R0336	1-208-922-11	METAL CHIP	30K	0.5%	1/16W	R0801	1-240-714-91	METAL CHIP	47K	5%	1/20W
											(UX50)

Ref. No.	Part No.	Description	Quantity	Tolerance	Power	Remarks	Ref. No.	Part No.	Description	Quantity	Tolerance	Power	Remarks
R0802	1-240-726-91	METAL CHIP	470K	5%	1/20W	(UX50)	R1158	1-218-982-11	RES-CHIP	270K	5%	1/16W	
							R1159	1-218-941-81	RES-CHIP	100	5%	1/16W	
							R1160	1-218-933-11	RES-CHIP	22	5%	1/16W	
R0803	1-218-977-11	RES-CHIP	100K	5%	1/16W	(UX50)	R1201	1-218-977-11	RES-CHIP	100K	5%	1/16W	
R0804	1-218-977-11	RES-CHIP	100K	5%	1/16W	(UX50)	R1202	1-240-718-91	METAL CHIP	100K	5%	1/20W	
R0904	1-218-941-81	RES-CHIP	100	5%	1/16W		R1203	1-218-977-11	RES-CHIP	100K	5%	1/16W	
R0905	1-218-941-81	RES-CHIP	100	5%	1/16W		R1204	1-240-707-91	METAL CHIP	10K	5%	1/20W	
R0906	1-218-977-11	RES-CHIP	100K	5%	1/16W		R1205	1-218-937-11	RES-CHIP	47	5%	1/16W	
R0907	1-218-990-11	SHORT CHIP	0			(UX40)	R1206	1-218-937-11	RES-CHIP	47	5%	1/16W	
R1001	1-218-988-11	RES-CHIP	820K	5%	1/16W		R1207	1-218-937-11	RES-CHIP	47	5%	1/16W	
R1002	1-218-957-11	RES-CHIP	2.2K	5%	1/16W		R1208	1-218-977-11	RES-CHIP	100K	5%	1/16W	
R1003	1-240-683-91	METAL CHIP	100	5%	1/20W		R1209	1-240-683-91	METAL CHIP	100	5%	1/20W	
R1004	1-218-957-11	RES-CHIP	2.2K	5%	1/16W		R1210	1-240-683-91	METAL CHIP	100	5%	1/20W	
R1005	1-218-973-11	RES-CHIP	47K	5%	1/16W		R1211	1-218-937-11	RES-CHIP	47	5%	1/16W	
R1006	1-240-722-91	METAL CHIP	220K	5%	1/20W		R1212	1-240-683-91	METAL CHIP	100	5%	1/20W	
R1007	1-240-718-91	METAL CHIP	100K	5%	1/20W		R1213	1-240-718-91	METAL CHIP	100K	5%	1/20W	
R1008	1-218-935-11	RES-CHIP	33	5%	1/16W		R1214	1-240-697-91	METAL CHIP	1.5K	5%	1/20W	
R1009	1-218-965-11	RES-CHIP	10K	5%	1/16W		R1215	1-240-718-91	METAL CHIP	100K	5%	1/20W	
R1010	1-218-965-11	RES-CHIP	10K	5%	1/16W		R1216	1-240-718-91	METAL CHIP	100K	5%	1/20W	
R1011	1-218-931-11	RES-CHIP	15	5%	1/16W		R1217	1-240-718-91	METAL CHIP	100K	5%	1/20W	
R1012	1-218-931-11	RES-CHIP	15	5%	1/16W		R1218	1-240-718-91	METAL CHIP	100K	5%	1/20W	
R1013	1-218-969-11	RES-CHIP	22K	5%	1/16W		R1219	1-240-718-91	METAL CHIP	100K	5%	1/20W	
R1014	1-218-969-11	RES-CHIP	22K	5%	1/16W		R1220	1-218-981-11	RES-CHIP	220K	5%	1/16W	
R1015	1-218-977-11	RES-CHIP	100K	5%	1/16W		R1221	1-240-707-91	METAL CHIP	10K	5%	1/20W	
R1016	1-218-973-11	RES-CHIP	47K	5%	1/16W		R1222	1-240-707-91	METAL CHIP	10K	5%	1/20W	
R1017	1-218-973-11	RES-CHIP	47K	5%	1/16W		R1223	1-240-695-91	METAL CHIP	1K	5%	1/20W	
R1018	1-218-935-11	RES-CHIP	33	5%	1/16W		R1224	1-240-695-91	METAL CHIP	1K	5%	1/20W	
R1019	1-240-718-91	METAL CHIP	100K	5%	1/20W		R1225	1-240-718-91	METAL CHIP	100K	5%	1/20W	
R1020	1-240-718-91	METAL CHIP	100K	5%	1/20W		R1226	1-240-676-91	METAL CHIP	22	5%	1/20W	
R1021	1-240-722-91	METAL CHIP	220K	5%	1/20W		R1227	1-240-674-91	METAL CHIP	15	5%	1/20W	
R1022	1-240-718-91	METAL CHIP	100K	5%	1/20W		< COMPOSITION CIRCUIT BLOCK >						
R1023	1-240-683-91	METAL CHIP	100	5%	1/20W		RB0401	1-239-694-81	RESISTOR, NETWORK 4.7K				
R1024	1-240-683-91	METAL CHIP	100	5%	1/20W		RB1002	1-239-666-81	RESISTOR, NETWORK 22				
R1025	1-240-683-91	METAL CHIP	100	5%	1/20W		RB1102	1-233-959-21	RES, NETWORK (CHIP TYPE) 470				
R1026	1-240-683-91	METAL CHIP	100	5%	1/20W		RB1103	1-233-959-21	RES, NETWORK (CHIP TYPE) 470				
R1101	1-240-683-91	METAL CHIP	100	5%	1/20W		RB1104	1-233-959-21	RES, NETWORK (CHIP TYPE) 470				
R1102	1-240-683-91	METAL CHIP	100	5%	1/20W		RB1105	1-233-959-21	RES, NETWORK (CHIP TYPE) 470				
R1103	1-240-676-91	METAL CHIP	22	5%	1/20W	(UX50)	RB1106	1-239-674-81	RESISTOR, NETWORK 100				
R1103	1-240-683-91	METAL CHIP	100	5%	1/20W	(UX40)	RB1107	1-233-981-21	RES, NETWORK (CHIP TYPE) 0				
R1104	1-240-683-91	METAL CHIP	100	5%	1/20W		RB1108	1-233-955-11	RES, NETWORK (CHIP TYPE) 100				
R1105	1-240-683-91	METAL CHIP	100	5%	1/20W		RB1109	1-233-955-11	RES, NETWORK (CHIP TYPE) 100				
R1106	1-218-941-81	RES-CHIP	100	5%	1/16W		RB1110	1-233-955-11	RES, NETWORK (CHIP TYPE) 100				
R1130	1-240-722-91	METAL CHIP	220K	5%	1/20W		RB1111	1-233-955-11	RES, NETWORK (CHIP TYPE) 100				
R1131	1-240-722-91	METAL CHIP	220K	5%	1/20W		< SWITCH >						
R1132	1-218-977-11	RES-CHIP	100K	5%	1/16W		S0401	1-786-390-21	SWITCH, TACTILE (RESET)				
R1133	1-218-937-11	RES-CHIP	47	5%	1/16W		S1101	1-762-651-21	SWITCH, SLIDE (POWER/HOLD)				
R1134	1-218-937-11	RES-CHIP	47	5%	1/16W		< THERMISTOR >						
R1135	1-218-937-11	RES-CHIP	47	5%	1/16W		TH0201	1-805-282-11	THERMISTOR 103KT1005T-1P				
R1151	1-218-935-11	RES-CHIP	33	5%	1/16W		< VARISTOR >						
R1152	1-218-941-81	RES-CHIP	100	5%	1/16W		VD1201	1-805-043-11	ABSORBER, CHIP SURGE				
R1153	1-218-977-11	RES-CHIP	100K	5%	1/16W		VD1202	1-805-043-11	ABSORBER, CHIP SURGE				
R1154	1-218-977-11	RES-CHIP	100K	5%	1/16W		VD1203	1-805-043-11	ABSORBER, CHIP SURGE				
R1155	1-218-938-11	RES-CHIP	56	5%	1/16W		VD1204	1-804-155-21	VARISTOR (SMD)				
R1156	1-218-978-11	RES-CHIP	120K	5%	1/16W								
R1157	1-218-980-11	RES-CHIP	180K	5%	1/16W								

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remarks</u>
VD1205	1-803-742-21	VARISTOR, CHIP	
VD1206	1-803-742-21	VARISTOR, CHIP	
VD1207	1-804-155-21	VARISTOR (SMD)	
VD1208	1-804-155-21	VARISTOR (SMD)	
VD1209	1-804-155-21	VARISTOR (SMD)	
< VIBRATOR >			
X0401	1-813-101-11	VIBRATOR, CRYSTAL (7.68MHz)	
X0402	1-795-392-21	VIBRATOR, CERAMIC (22.579MHz)	
X0403	1-795-602-11	VIBRATOR, CRYSTAL (32.768kHz)	

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# Revision History

Suffix	Ver.	Date	Contents
-31	Ver. 1	2003.08.26	First Edition
-32	Ver. 2	2003.09.24	Addition of "PEG-UX50/E, UX50/G, UX50/M" models.
<Remarks>			



# PRINTING THE ELECTRONIC DOCUMENT

The PDF of this service manual is not designed to be printed from cover to cover. The pages vary in size, and must therefore be printed in sections based on page dimensions.

## NON-SCHEMATIC PAGES

Data that does NOT INCLUDE schematic diagrams are formatted to 8.5 x 11 inches and can be printed on standard letter-size and/or A4-sized paper.

## SCHEMATIC DIAGRAMS

The schematic diagram pages are provided in two ways, full size and tiled. The full-sized schematic diagrams are formatted on paper sizes between 8.5" x 11" and 18" x 30" depending upon each individual diagram size. Those diagrams that are LARGER than 11" x 17" in full-size mode have been tiled for your convenience and can be printed on standard 11" x 17" (tabloid-size) paper, and reassembled.

### TO PRINT FULL SIZE SCHEMATIC DIAGRAMS

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If you have access to a large paper plotter or printer capable of outputting the full-sized diagrams, output as follows:


- 1) Note the page size(s) of the schematics you want to output as indicated in the middle window at the bottom of the viewing screen.
- 2) Go to the File menu and select Print Set-up. Choose the printer name and driver for your large format printer. Confirm that the printer settings are set to output the indicated page size or larger.
- 3) Close the Print Set Up screen and return to the File menu. Select "Print..." Input the page number of the schematic(s) you want to print in the print range window. Choose OK.

### TO PRINT TILED VERSION OF SCHEMATICS

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Schematic pages that are larger than 11" x 17" full-size are provided in a 11" x 17" printable tiled format near the end of the document. These can be printed to tabloid-sized paper and assembled to full-size for easy viewing.



If you have access to a printer capable of outputting the tabloid size (11" x 17") paper, then output the tiled version of the diagram as follows:

- 1) Note the page number(s) of the schematics you want to output as indicated in the middle window at the bottom of the viewing screen.
- 2) Go to the File menu and select Print Set-up. Choose the printer name and driver for your printer. Confirm that the plotter settings are set to output 11" x 17", or tabloid size paper in landscape (  ) mode.
- 3) Close the Print Set Up screen and return to the File menu. Select "Print..." Input the page number of the schematic(s) you want to print in the print range window. Choose OK.

### TO PRINT SPECIFIC SECTIONS OF A SCHEMATIC

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To print just a particular section of a PDF, rather than a full page, access the Graphics Select tool in the Acrobat Reader tool bar.

- 1) To view the Graphics Select Tool, press and HOLD the mouse button over the Text Select Tool which looks like: . This tool will expand to reveal to additional tools. Choose the Graphics Select tool by placing the cursor over the button on of the far right that looks like: .
- 2) After selecting the Graphics Select Tool, place your cursor in the document window and the cursor will change to a plus (+) symbol. Click and drag the cursor over the area you want to print. When you release the mouse button, a marquee (or dotted lined box) will be displayed outlining the area you selected.
- 3) With the marquee in place, go to the file menu and select the "Print..." option. When the print window appears, choose the option under the section called "Print Range" which says "Selected Graphic".

Select OK and the output will print only the area that you outlined with the marquee. 