



MICRO COMPONENT AUDIO SYSTEM

Model Name : MM-DA25

Model Code : MM-DA25Q/XER

SERVICE Manual

MICRO COMPONENT AUDIO SYSTEM



MM-DA25

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Refer to the service manual in the GSPN (see the rear cover) for the more information.

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2. Product Specification

2-1 Product Feature

- On top of the Sound Quality, Portable Device Connection, and Stylish Design, Samsung create its own specialty by adding distinguishing feature.



MM-X7

- **Stylish Design**
Matching with MP3P
Compact & Stylish concept
- **Sound Quality**
No Distortion & New Volume Curve
- **MP3P Docking**
Docking with portable Device



MM-A25/A24/DA25





Target	Focusing on Powerful Sound
Customer Needs	Who prefers Good Design & Alarm Function
Design	Compact & Stylish Concept
User Benefits	- Easy Alarm Setting - USB Host
Region	Europe, CIS, Korea
Key Features	- RMS 20W/CH - Alarm & Morning Call - MP3-CD Playback - USB Host Play
Variation	MP3

2-2 Specifications

■ Basic Specification

GENERAL	Power source	50 W
	Weight	2.5 Kg
	Dimensions (W x H x D)	170 x 212 x 293 mm
	Operating Temperature Range	+5°C ~ +35°C
	Operating Humidity Range	10% ~ 75%
FM TUNER	Usable Sensitivity	3 dB
	S/N Ratio	60 dB
	Distortion	1.0 %
MW TUNER	Usable Sensitivity	56 dB
	S/N Ratio	40 dB
	Distortion	2 %
VIDEO OUTPUT	Composite Video	1.0 Vp-p (75Ω load)
	Component Video	Y: 1.0 Vp-p (75Ω load) Pr: 0.7 Vp-p (75Ω load) Pb: 0.7 Vp-p (75Ω load)
AMPLIFIER	Speaker output	50W/CH
	Frequency range	20Hz ~ 20kHz
	S/N Ratio	75 dB
	Channel separation	50 dB
	Input sensitivity	(AUX) 500mV
SPEAKER	Impedance	4Ω x 2
	Frequency range	20 Hz - 20 KHz (± 1 dB)
	Output sound pressure level	84dB/W/M
	Rated input	50 W
	Maximum input	100 W
	Dimensions (W x H x D)	170 x 212 x 293 mm
	Weights	2.5 Kg




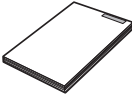

2-3 Specifications Analysis

Model Name	MM-A24	MM-A25	MM-DA25	MM-X8
Photo				
OUTPUT POWER	20 x 2	50 x 2	50 x 2	40 x 2
FRONT DISPLY	VFD	VFD	VFD	VFD
SLEEP	○	○	○	○
DIMMER	○	○	○	○
CD/CD-R/CD-RW	○	○	○	○
MP3	○	○	○	○
USB HOST	○	○	○	○
CD RIPPING	X	X	X	○
EQ/DSP	X	X	X	9 MODE
AUDIO IN	X	X	○	○
HEAD JACK/MIC	○	○	○	○
AM	X	X	X	○
FM	○	○	○	○
RDS	○	○	○	○ (ONLY EUROPE)
RESET MEMORY	20	20	20	30
REMOTE KEY	34 Key	34 Key	38 Key	38 Key
UNIVERSAL	X	X	○	○
DUAL VOLTAGE	X	X	○	○
SPK IMPEDANCE	4W	4W	4W	4W

※ ○: application, X: non-application

2-4 Accessories

2-4-1 Supplied Accessories

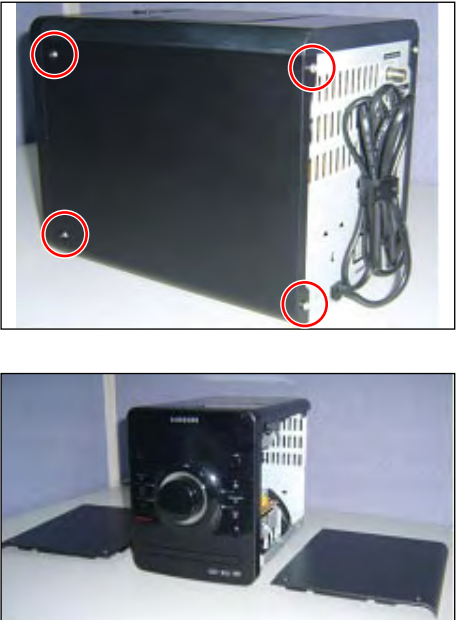
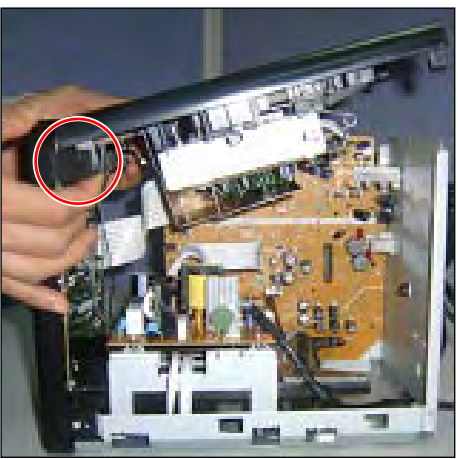
Accessories	Item	Item code	Remark
	Remote Control	AH59-01960B	Samsung Service Center
	FM Antenna	AH39-00320C	
	Video Cable	AH39-40001V	
	User's Manual	AH68-02050P	
	Cloth Clean	AH81-02286C	

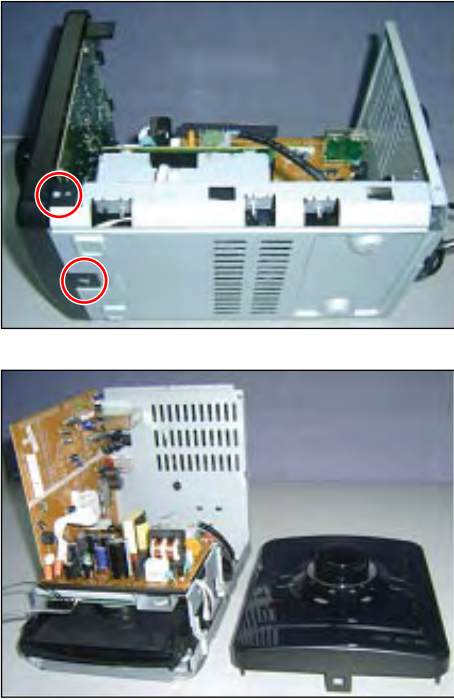
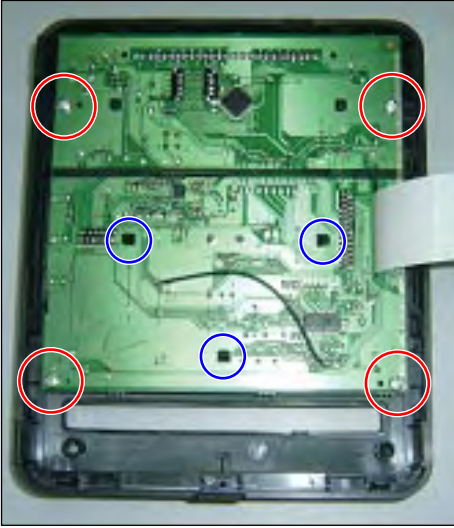
3. Disassembly & Reassembly

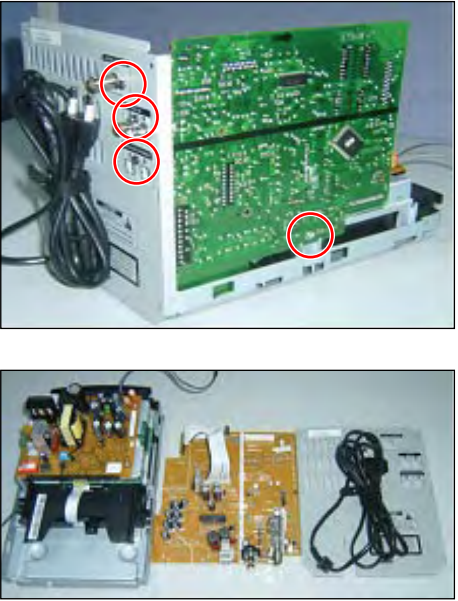
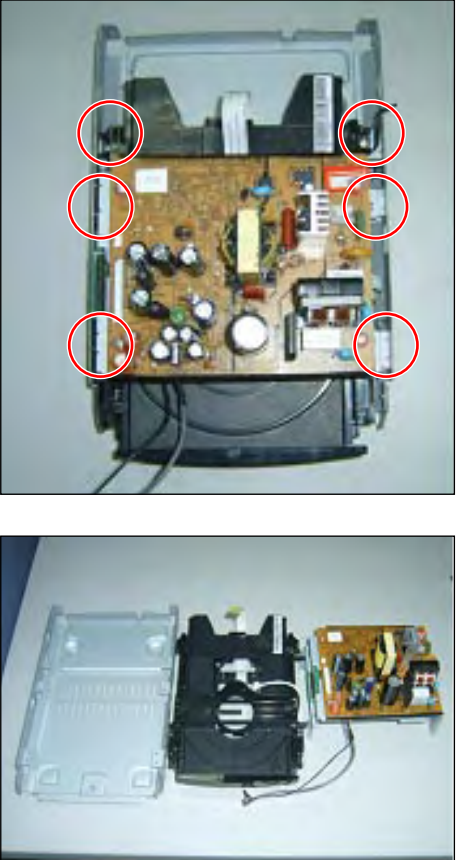
3-1 Overall Disassembly & Reassembly



- Be careful to follow the disassembly sequence described in the manual. Otherwise, the product may be damaged.
- Be sure to carefully read and understand the safety instructions before performing any work as the IC chips on the PCB are vulnerable to static electricity.
- Assemble in the reverse order of disassembly.

No.	Part Name	Description	Description Photo
1	CABINET-SIDE	1) Unfasten 8 screws on the CABINET-SIDE-L\R. : 3X10mm,black <div style="border: 1px solid black; padding: 5px; width: fit-content;"> ⚠ Be careful not to make any scratches as you remove it. </div>	
2	CABINET-TOP	1) Turn over the hook of CABINET-TOP.	

No.	Part Name	Description	Description Photo
3	CABINET-FRONT	1) Turn over the hook of CABINET-BOTTOM and separate ASSY-FRONT.	
4	FRONT-PCB	1) Unfasten 4 screws and turn over the hook of FRONT-PCB. : 3X10mm,white	

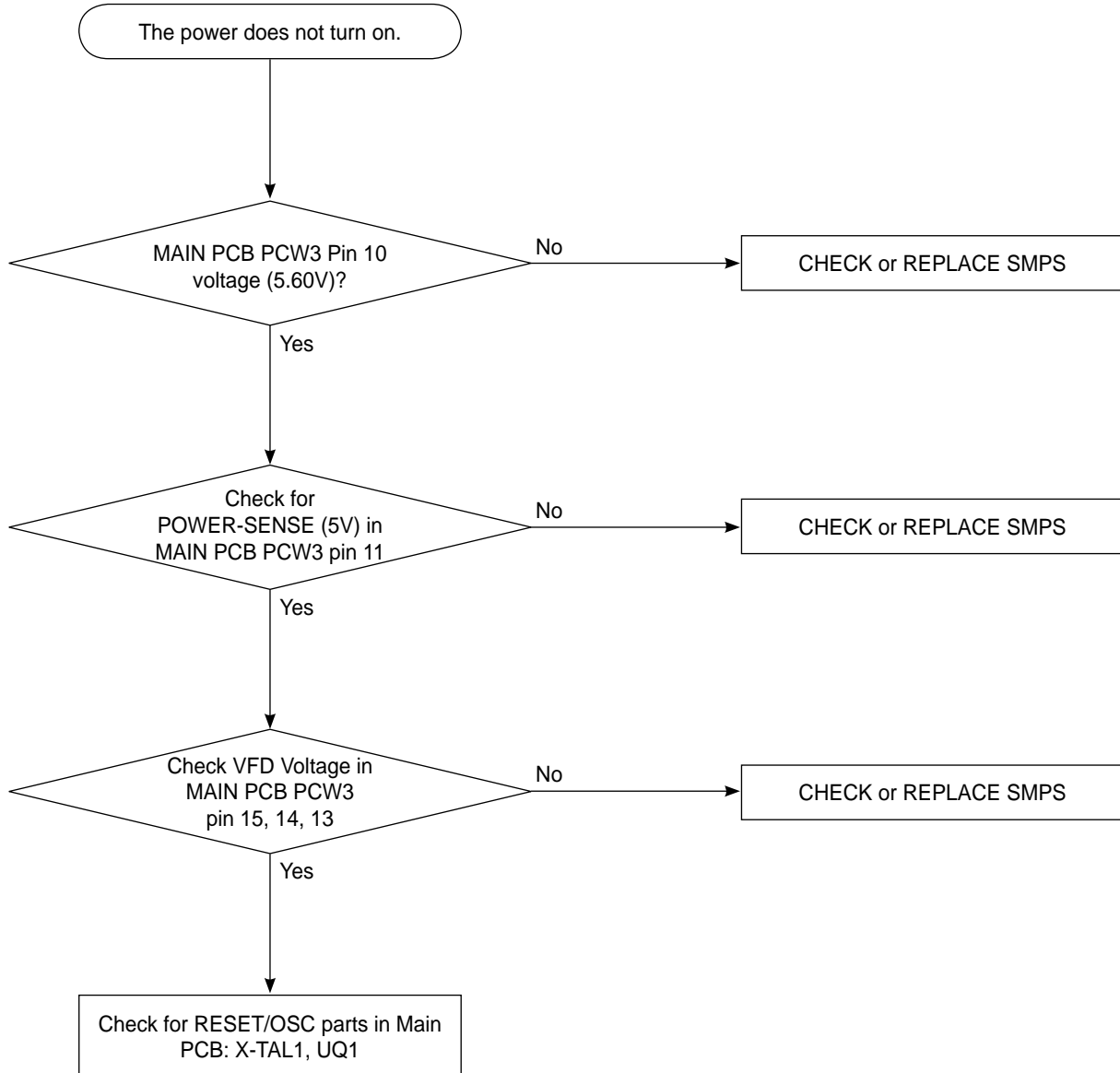
No.	Part Name	Description	Description Photo
5	CABINET-REAR & MAIN-PCB	1) Unfasten 3 screws on the CABINET-REAR and the one on the MAIN-PCB. : 3X10mm,white	
6	SMPS & DECK	1) Unfasten 6 screws on the SMPS and DECK. : 3X10mm,white	

4. Troubleshooting

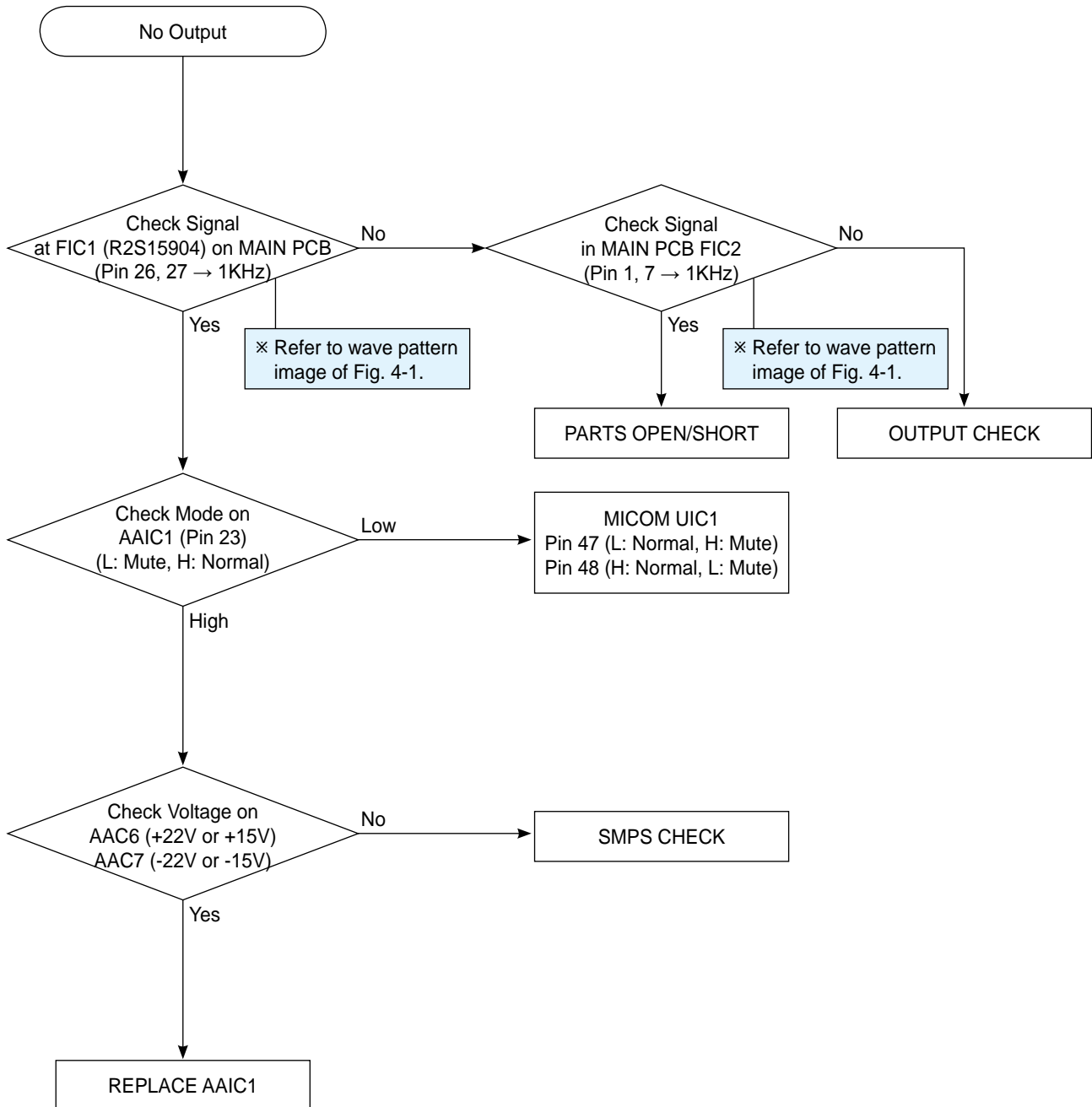
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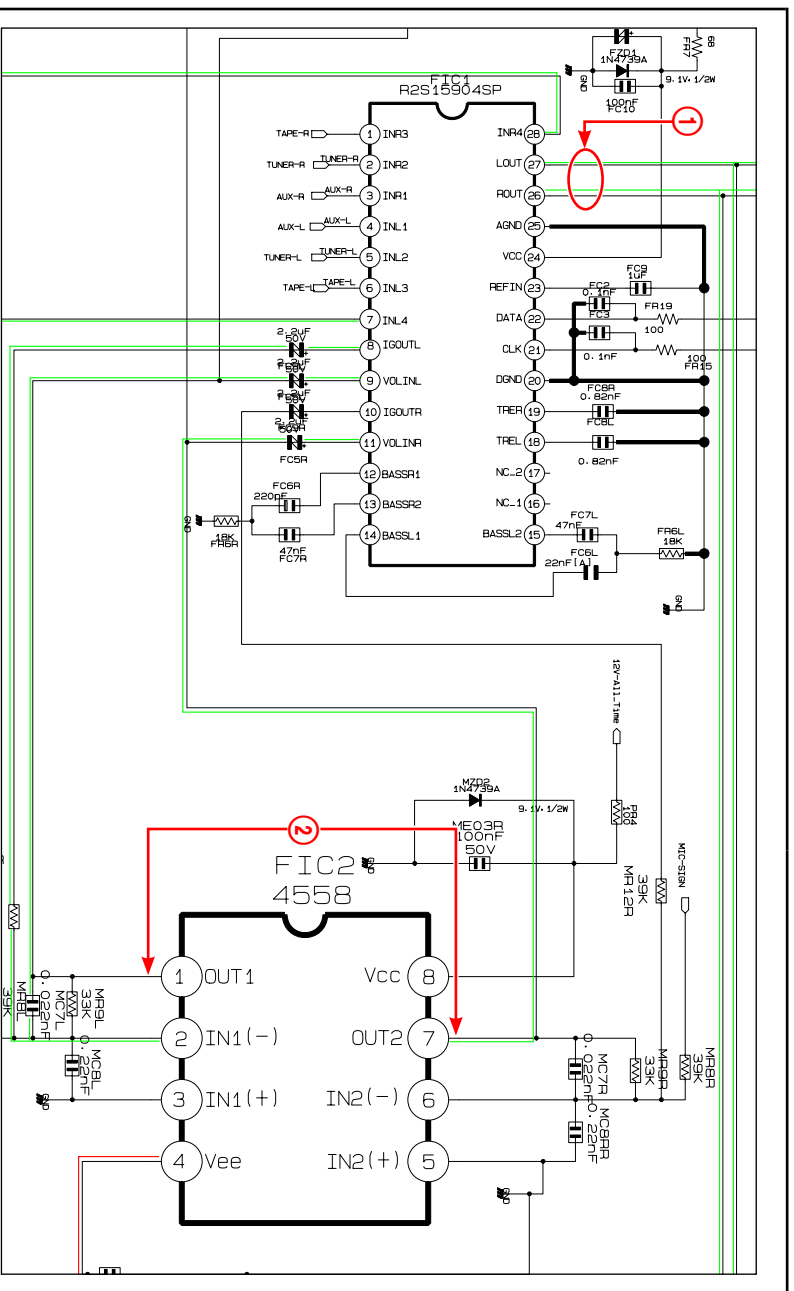
4-1 Checkpoints by Error Mode

4-1-1 No Power

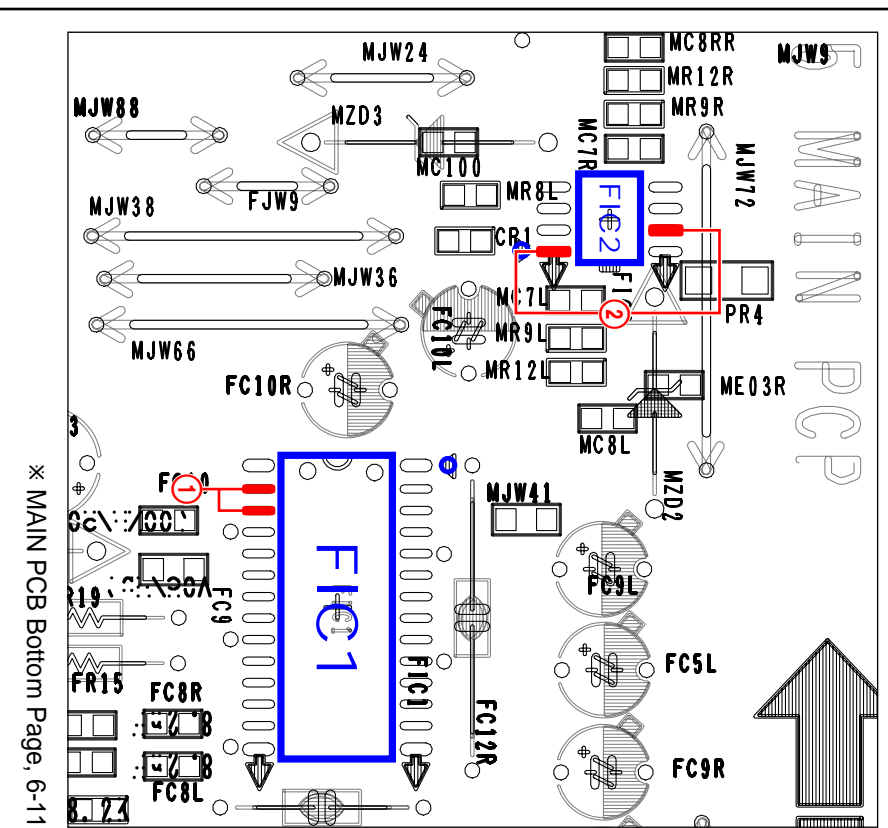


4-1-2 No Output

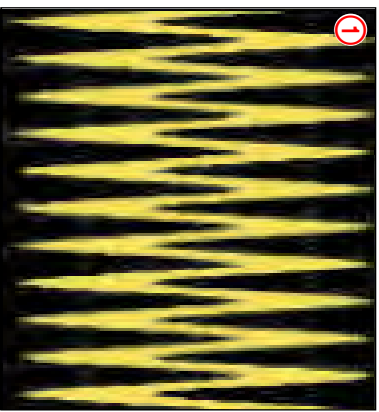




※ MAIN-1 Page: 7-3

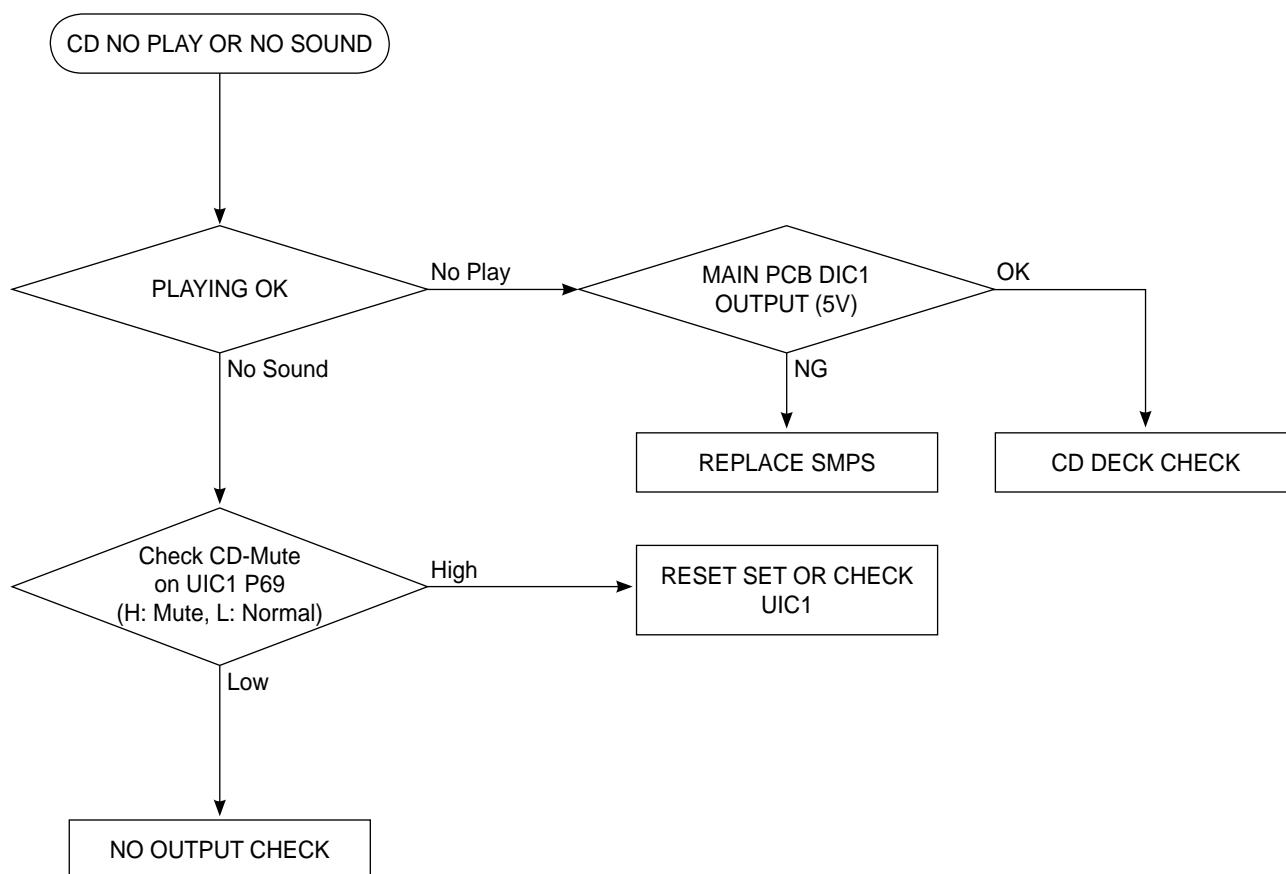


※ MAIN PCB Bottom Page: 6-11

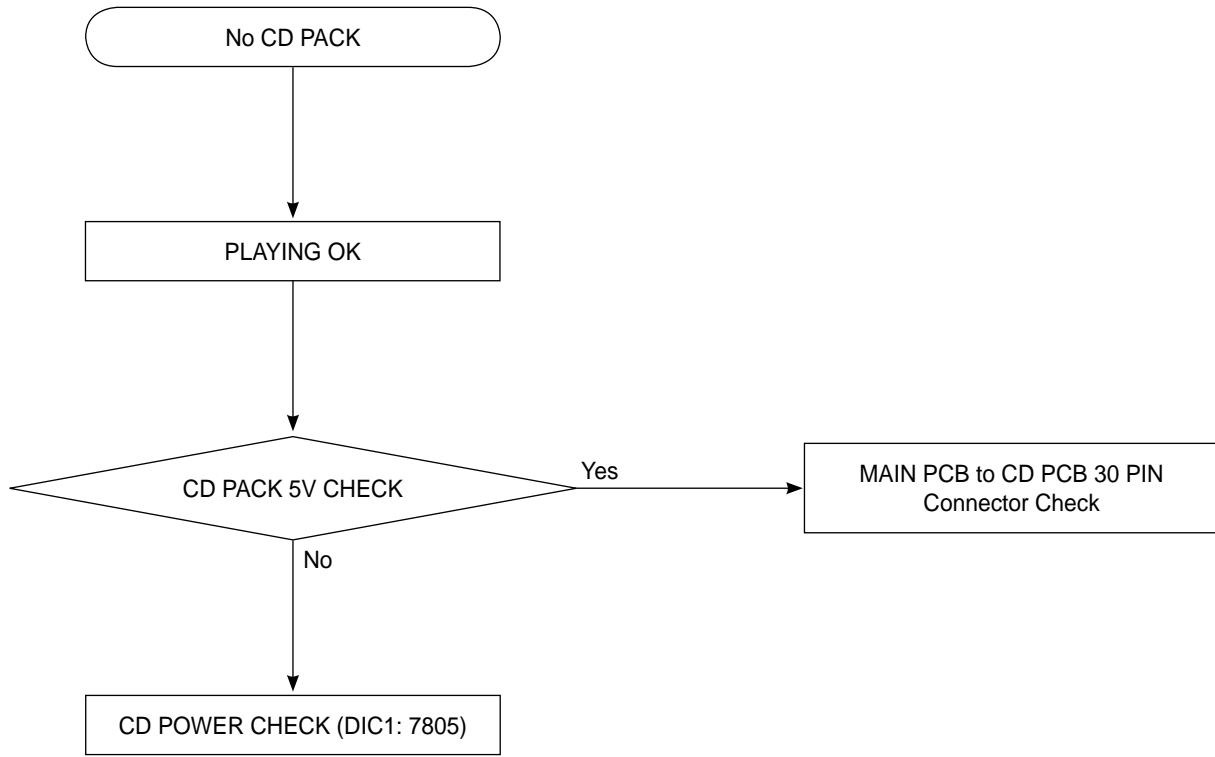


<Fig. 4-1>

4-1-3 CD NO PLAY OR NO SOUND



4-1-4 CD PACK



4-2 Measures to be taken when the Protection Circuit operates

4-2-1 Operation of Power Block Protection Circuit

Protection Circuit operates when power problem occurs in the SMPS.

	Part Location	Pin No.	Protection Circuit Operation		Remark
			Open	Short	
SMPS	CN3	+8V (1)	X	X	
		+5V (3,4)	X	X	
		+5.6V (11)	X	X	
	CN2	PVDD (about 11V) (1~2)	X	X	
		-12V (7)	X	X	
		+12V (9)	X	X	

<Table 4-1>

4-2-2 Power Protection

The Power Protection Circuit operates in the following cases.

1. When over-current is generated in the amplifier IC (over-output or short-circuits in the output block.)
2. When the temperature of the amplifier IC exceeds 160°C.
3. When no power is supplied to the Gate Driver.

4-3 DVD flash Initialization & Update

■ Micom Initialize

In STANDBY mode, push the 'STOP' button on front panel 5second.

■ Micom update (Only flash type Micom IC)

There is hole for update Micom at the bottom of case.

Required computer, ROM writer (SANYO), USB cable, Update file.

■ MPEG Version Check

1. Insert CD.
2. Open DISC. (Don't pull off disc now)
3. Push button in remote '8', '9', '5' sequentially.
4. MPEG Version will be on the VFD.

■ Micom Version Check

1. Turn off SET.
2. Push the FF button on the front panel 5 second.
3. MPEG Version will be on the VFD.

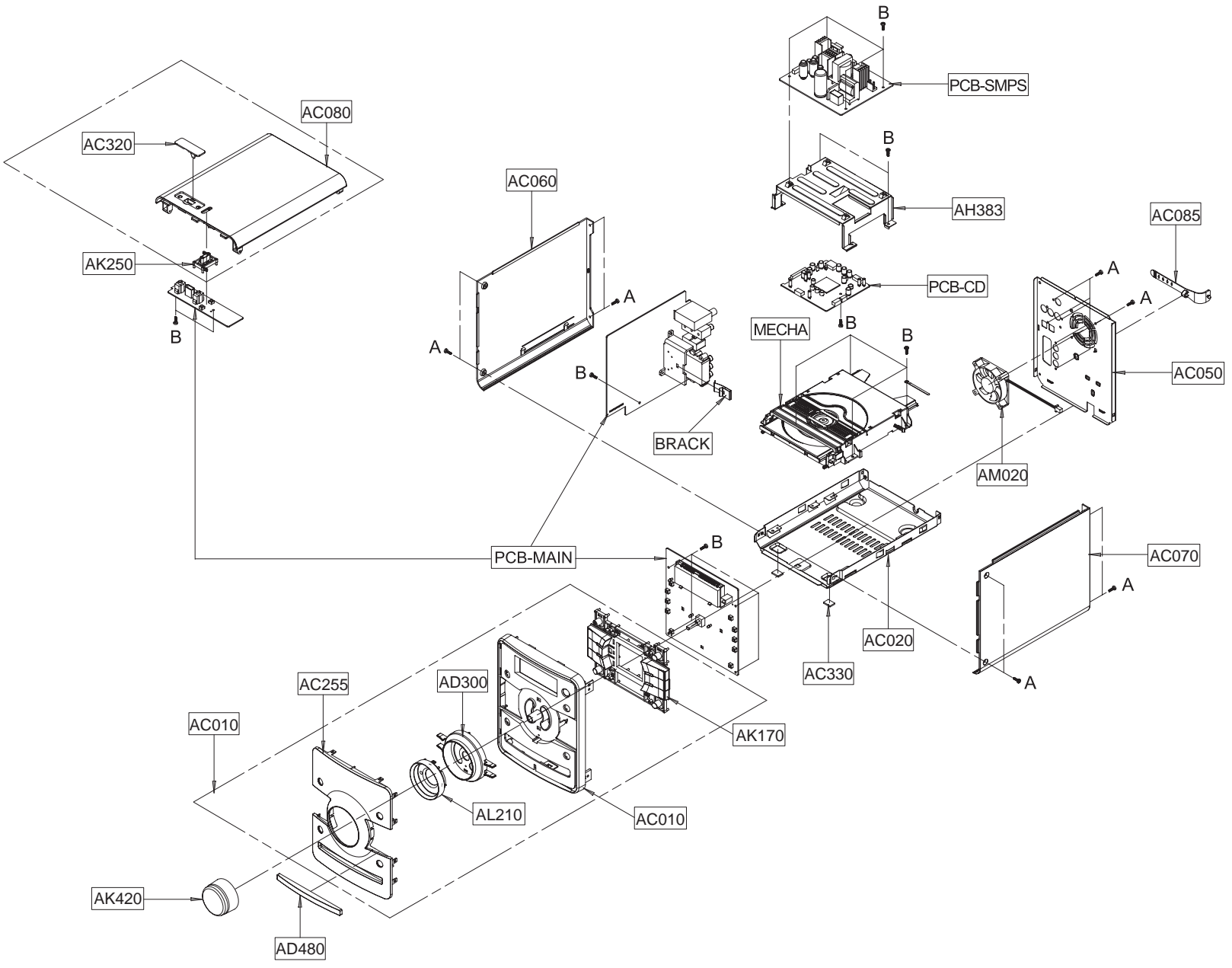
■ MPEG Flash Update

1. Save update ROM file to USB drive.
2. Function change to USB mode. Then plug in USB drive.
3. 'UPDATING' message will be on the VFD and SET will turn off and turn on.

5. Exploded View & Part List

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5-1 Exploded View



■ Part List

Loc. No.	Part No.	Description;Specification	Q'ty	SNA	Remark
AC010	AH64-04510B	CABINET FRONT;MM-DA25,HIPS,T2.5,W170,L23	1	SNA	
AC010	AH97-02630C	ASSY CABINET-FRONT;MM-DA25,-,-,-	1	SA	
AC020	AH64-04519A	CABINET-BOTTOM;MM-DA25,SECC T0.8,T164,W2	1	SNA	
AC050	AH64-04520C	CABINET-REAR;MM-DA25,SECC T0.8,T7.8,W164	1	SNA	
AC060	AH64-04512B	CABINET-SIDE L;MM-DA25,HIPS,T15,W195,L23	1	SA	
AC070	AH64-04513B	CABINET-SIDE R;MM-DA25,HIPS,T15,W195,L23	1	SA	
AC080	AH64-04546B	CABINET-TOP 2;MM-DA25,HIPS,T37.5,W170,L2	1	SA	
AC085	6502-001048	CABLE CLAMP;DACW130,-,T1.0,PE,BLK	1	SA	
AC255	AH63-01566G	COVER-FRONT;MM-DA25,ABS+PMMA,T29,W163,L2	1	SA	
AC320	AH63-01568B	COVER-USB;MM-DA25,ABS+TPU,T16.4,W26,L50,	1	SA	
AC330	AH69-20031A	CUSHION-FOOT;-,-,-,BLK,-,T2.0,-,-,MQ570A	2	SNA	
AD300	AH64-04516B	DECORATION-RING;MM-DA25,ABS,T21.8,W79,L1	1	SA	
AD480	AH64-04515B	DOOR-CD;MM-DA25,ABS,-,9,W9.2,L131.6,BL	1	SA	
AH383	AH61-02556A	HOLDER-SMPS;MM-DA25,SECC,T0.8,W149,L100,	1	SA	
AK170	AH64-04517D	KNOB-FUNCTION;MM-DA25,ABS,22.7,113.6,165	1	SA	
AK250	AH64-04547B	KNOB-MIC;MM-DA25,ABS,T21.8,W79,L116.2,-	1	SA	
AK420	AH64-04518A	KNOB-VOLUME;MM-DA25,ABS,T50.7,W50.7,L31.	1	SA	
AL210	AH67-00497A	LENS-VOLUME;MM-DA25,PMMA,-,60.4*60.4*20.	1	SA	
AM020	AH31-00029E	MOTOR FAN;C161NK10B0110,MX-GT88,0.15A,-,	1	SA	
BRACK	AH61-02549A	BRACKET-PCB;MM-DA25,SECC 1.0T,T1.0,W20,L	1	SA	
MECHA	AH97-01831A	ASSY DECK-DVD;SDM-D1FL,CMS-S75RBL,BASIC-	1	SA	
PCB-CD	AH92-02822A	ASSY PCB-MPEG;- ,MM-DA20,ES8390 4 LAYER,-	1	SA	
PCB-MAIN	AH92-02817M	ASSY PCB-MAIN;MM-DA25,SCART, DVD.	1	SA	
PCB-SMPS	AH44-00186A	SMPS;MM-DA25,HECK DA25000-F,AC/DC,	1	SA	
A	6003-000275	SCREW-TAPTITE;BH,+,-,B,M3,L10,ZPC(BLK),S	16	SA	
B	6003-001464	SCREW-TAPTITE;BH,+ ,B,M3,L10,ZPC(WHT)	20	SNA	

Loc. No.	Part No.	Description;Specification	Q'ty	SNA	Remark	Loc. No.	Part No.	Description;Specification	Q'ty	SNA	Remark
FC1L	2203-001607	C-CER,CHIP:0.22nF,5%,50V,NP0,1608	1	SA		FJW9	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA	
FC1R	2203-001607	C-CER,CHIP:0.22nF,5%,50V,NP0,1608	1	SA		FR1	2007-000121	R-CHIP:820ohm,5%,1/10W,TP,1608	1	SA	
FC2	2203-000236	C-CER,CHIP:0.1nF,5%,50V,COG,1608	1	SA		FR100	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608	1	SA	
FC22	2401-000651	C-AL:2.2uF,20%,50V,GP,TP,4x7,5	1	SA		FR101	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608	1	SA	
FC23	2401-000651	C-AL:2.2uF,20%,50V,GP,TP,4x7,5	1	SA		FR102	2007-000078	R-CHIP:1Kohm,5%,1/10W,TP,1608	1	SA	
FC2L	2401-000651	C-AL:2.2uF,20%,50V,GP,TP,4x7,5	1	SA		FR103	2007-000078	R-CHIP:1Kohm,5%,1/10W,TP,1608	1	SA	
FC2R	2401-000651	C-AL:2.2uF,20%,50V,GP,TP,4x7,5	1	SA		FR104	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608	1	SA	
FC3	2203-000236	C-CER,CHIP:0.1nF,5%,50V,COG,1608	1	SA		FR105	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608	1	SA	
FC5	2203-000257	C-CER,CHIP:10nF,10%,50V,X7R,TP,1608	1	SA		FR15	2001-000281	R-CARBON:100ohm,5%,1/8W,AA,TP,1.8x3	1	SA	
FC5L	2401-000651	C-AL:2.2uF,20%,50V,GP,TP,4x7,5	1	SA		FR16	2007-000074	R-CHIP:100ohm,5%,1/10W,TP,1608	1	SA	
FC5R	2401-000651	C-AL:2.2uF,20%,50V,GP,TP,4x7,5	1	SA		FR19	2001-000281	R-CARBON:100ohm,5%,1/8W,AA,TP,1.8x3	1	SA	
FC6L	2202-002055	C-CERAMIC,MLC-AXIAL:47nF,+80-20%,50	1	SA		FR1L	2007-001179	R-CHIP:8.2Kohm,5%,1/10W,TP,1608	1	SA	
FC6R	2203-001140	C-CER,CHIP:68nF,10%,16V,X7R,1608	1	SA		FR1R	2007-001179	R-CHIP:8.2Kohm,5%,1/10W,TP,1608	1	SA	
FC7L	2203-001140	C-CER,CHIP:68nF,10%,16V,X7R,1608	1	SA		FR2	2007-000078	R-CHIP:1Kohm,5%,1/10W,TP,1608	1	SA	
FC7R	2203-001140	C-CER,CHIP:68nF,10%,16V,X7R,1608	1	SA		FR2L	2007-000097	R-CHIP:47Kohm,5%,1/10W,TP,1608	1	SA	
FC8L	2203-001222	C-CER,CHIP:0.82nF,10%,50V,X7R,1608	1	SA		FR2R	2007-000097	R-CHIP:47Kohm,5%,1/10W,TP,1608	1	SA	
FC8R	2203-001222	C-CER,CHIP:0.82nF,10%,50V,X7R,1608	1	SA		FR3	2007-000122	R-CHIP:1.2Kohm,5%,1/10W,TP,1608	1	SA	
FC9	2203-005171	C-CER,CHIP:1000nF,10%,16V,X7R,2012	1	SA		FR32	2007-000118	R-CHIP:390ohm,5%,1/10W,TP,1608	1	SA	
FC9L	2401-000651	C-AL:2.2uF,20%,50V,GP,TP,4x7,5	1	SA		FR4	2007-000123	R-CHIP:1.5Kohm,5%,1/10W,TP,1608	1	SA	
FC9R	2401-000651	C-AL:2.2uF,20%,50V,GP,TP,4x7,5	1	SA		FR5	2007-000079	R-CHIP:1.8Kohm,5%,1/10W,TP,1608	1	SA	
FCW1	3708-000249	CONNECTOR-FPC/FFC/PIC;27P,1.25mm,ST	1	SA		FR6	2007-000124	R-CHIP:2.2Kohm,5%,1/10W,TP,1608	1	SA	
FCW10	3711-006758	HEADER-BOARD TO BOARD;NOWALL,30P,2R	1	SA		FR6L	2007-000091	R-CHIP:12Kohm,5%,1/10W,TP,1608	1	SA	
FD1	0401-001090	DIODE-SWITCHING;1SS355,80V,100MA,SO	1	SA		FR6R	2007-000091	R-CHIP:12Kohm,5%,1/10W,TP,1608	1	SA	
FEC1	2202-000173	C-CERAMIC,MLC-AXIAL:1nF,10%,50V,Y5P	1	SA		FR7	2001-000117	R-CARBON(S);68ohm,5%,1/2W,AA,TP,2.4	1	SA	
FEC2	2202-000173	C-CERAMIC,MLC-AXIAL:1nF,10%,50V,Y5P	1	SA		FR8	2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608	1	SA	
FEC3	2202-000173	C-CERAMIC,MLC-AXIAL:1nF,10%,50V,Y5P	1	SA		FR85	2007-000074	R-CHIP:100ohm,5%,1/10W,TP,1608	1	SA	
FEC4	2202-000173	C-CERAMIC,MLC-AXIAL:1nF,10%,50V,Y5P	1	SA		FR87	2007-000082	R-CHIP:3.3Kohm,5%,1/10W,TP,1608	1	SA	
FIC1	1204-002518	IC-VOLUME/TONE CONT.;R2S15904SP,SOP	1	SA		FR9	2007-000087	R-CHIP:6.8Kohm,5%,1/10W,TP,1608	1	SA	
FIC2	1201-000461	IC-OP AMP;4558,SOP,8P,150MIL,DUAL,2	1	SA		FZD1	0403-000145	DIODE-ZENER;1N4739A,5%,1000MW,DO-41	1	SA	
FJW1	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		H/SINK	AH62-00185A	HEAT SINK-MAIN-MM-DA25,AL SHEET T3,	1	SA	
FJW10	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		HC1	2203-000440	C-CER,CHIP:1nF,10%,50V,X7R,1608	1	SA	
FJW11	2007-000033	R-CHIP:0ohm,5%,1/4W,TP,3216	1	SA		HC10L	2203-001596	C-CER,CHIP:2200nF,+80-20%,50V,Y5V,2	1	SA	
FJW12	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		HC10R	2203-001596	C-CER,CHIP:2200nF,+80-20%,50V,Y5V,2	1	SA	
FJW14	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		HC13L	2203-000125	C-CER,CHIP:1.2nF,10%,50V,X7R,TP,160	1	SA	
FJW15	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		HC13R	2203-000125	C-CER,CHIP:1.2nF,10%,50V,X7R,TP,160	1	SA	
FJW16	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		HC14	2203-001596	C-CER,CHIP:2200nF,+80-20%,50V,Y5V,2	1	SA	
FJW17	2007-000033	R-CHIP:0ohm,5%,1/4W,TP,3216	1	SA		HC15	2203-001596	C-CER,CHIP:2200nF,+80-20%,50V,Y5V,2	1	SA	
FJW18	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		HC16	2401-001102	C-AL:330uF,20%,16V,GP,TP,8x11.5mm,5	1	SA	
FJW19	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		HC1L	2203-001596	C-CER,CHIP:2200nF,+80-20%,50V,Y5V,2	1	SA	
FJW2	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		HC1R	2203-001596	C-CER,CHIP:2200nF,+80-20%,50V,Y5V,2	1	SA	
FJW20	2007-000033	R-CHIP:0ohm,5%,1/4W,TP,3216	1	SA		HC2L	2203-000531	C-CER,CHIP:2.7nF,10%,50V,X7R,1608	1	SA	
FJW3	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		HC2R	2203-000531	C-CER,CHIP:2.7nF,10%,50V,X7R,1608	1	SA	
FJW44	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		HC3L	2203-001607	C-CER,CHIP:0.22nF,5%,50V,NP0,1608	1	SA	
FJW45	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		HC3R	2203-001607	C-CER,CHIP:0.22nF,5%,50V,NP0,1608	1	SA	
FJW46	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		HC81	2401-000042	C-AL:100uF,20%,16V,GP,TP,6.3x7,5	1	SA	
FJW47	2001-001096	R-CARBON(S);2.2ohm,5%,1/2W,AA,TP,2.	1	SA		HC8L	2203-000440	C-CER,CHIP:1nF,10%,50V,X7R,1608	1	SA	
FJW48	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		HC8R	2203-000440	C-CER,CHIP:1nF,10%,50V,X7R,1608	1	SA	
FJW49	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		HD1	0401-000005	DIODE-SWITCHING;1N4148,75V,150mA,DO	1	SA	
FJW5	2007-000033	R-CHIP:0ohm,5%,1/4W,TP,3216	1	SA		HD10	0401-000005	DIODE-SWITCHING;1N4148,75V,150mA,DO	1	SA	
FJW50	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		HD2	0401-001090	DIODE-SWITCHING;1SS355,80V,100MA,SO	1	SA	
FJW56	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		HD3	0401-001090	DIODE-SWITCHING;1SS355,80V,100MA,SO	1	SA	
FJW7_	2007-000033	R-CHIP:0ohm,5%,1/4W,TP,3216	1	SA		HIC2	1201-001285	IC-OP AMP;4556,SOP,8P,150MIL,+/-18V	1	SA	
FJW8	2007-000033	R-CHIP:0ohm,5%,1/4W,TP,3216	1	SA		HL1L	2701-000179	INDUCTOR-AXIAL:33UH,10%,4298	1	SA	
FJW84	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		HL1R	2701-000179	INDUCTOR-AXIAL:33UH,10%,4298	1	SA	
FJW85	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		HP-JACK	3722-001588	JACK-PHONE;7P,3.6PI,AG,BLK,-	1	SA	
FJW89	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		HQ1L	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW	1	SA	

Exploded View & Part List

Loc. No.	Part No.	Description;Specification	Q'ty	SNA	Remark	Loc. No.	Part No.	Description;Specification	Q'ty	SNA	Remark
HQ1R	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW	1	SA		KD13	0401-000005	DIODE-SWITCHING;1N4148,75V,150mA,DO	1	SA	
HQ2	0504-000156	TR-DIGITAL;KSR2103,PNP,200MW,22K/22	1	SA		LED1	0601-001490	LED;INVERTER,BLUE,3MM,465-477NM	1	SA	
HR0	2003-000009	R-METAL OXIDE(S);220ohm,5%,1W,AA,TP	1	SA		LED2	0601-001490	LED;INVERTER,BLUE,3MM,465-477NM	1	SA	
HR1	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3	1	SA		LED3	0601-001490	LED;INVERTER,BLUE,3MM,465-477NM	1	SA	
HR100L	2007-000134	R-CHIP;33Kohm,5%,1/10W,TP,1608	1	SA		LR1	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA	
HR100R	2007-000134	R-CHIP;33Kohm,5%,1/10W,TP,1608	1	SA		LR2	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA	
HR11	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA		LR3	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA	
HR13	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		MC1	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
HR13L	2007-000129	R-CHIP;27Kohm,5%,1/10W,TP,1608	1	SA		MC10	2203-000332	C-CER,CHIP;0.012nF,5%,50V,COG,1608	1	SA	
HR13R	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	1	SA		MC100	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
HR14	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		MC11	2203-005171	C-CER,CHIP;1000nF,10%,16V,X7R,2012	1	SA	
HR18	2001-000062	R-CARBON;470ohm,5%,1/4W,AA,TP,2.4x6	1	SA		MC12	2401-001931	C-AL;220nF,20%,50V,-TP,4x7mm,5	1	SA	
HR2L	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	SA		MC13	2401-000042	C-AL;100uF,20%,16V,GP,TP,6.3x7.5	1	SA	
HR2R	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	SA		MC14	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
HR30L	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		MC15	2401-001931	C-AL;220nF,20%,50V,-TP,4x7mm,5	1	SA	
HR30R	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		MC16	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7.5	1	SA	
HR3L	2007-000124	R-CHIP;2.2Kohm,5%,1/10W,TP,1608	1	SA		MC17	2203-001086	C-CER,CHIP;0.0050nF,0.25pF,50V,NP0,	1	SA	
HR3R	2001-000449	R-CARBON;2.2Kohm,5%,1/8W,AA,TP,1.8x	1	SA		MC18	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
HR5L	2007-000086	R-CHIP;5.6Kohm,5%,1/10W,TP,1608	1	SA		MC19	2401-000042	C-AL;100uF,20%,16V,GP,TP,6.3x7.5	1	SA	
HR5R	2007-000086	R-CHIP;5.6Kohm,5%,1/10W,TP,1608	1	SA		MC20	2401-001508	C-AL;47uF,20%,16V,GP,TP,6.3x5.5	1	SA	
HR6L	2007-000134	R-CHIP;33Kohm,5%,1/10W,TP,1608	1	SA		MC20	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
HR6R	2007-000134	R-CHIP;33Kohm,5%,1/10W,TP,1608	1	SA		MC21	2203-001596	C-CER,CHIP;2200nF,+80-20%,50V,Y5V,2	1	SA	
HR82L	2007-000086	R-CHIP;5.6Kohm,5%,1/10W,TP,1608	1	SA		MC22L	2203-001596	C-CER,CHIP;2200nF,+80-20%,50V,Y5V,2	1	SA	
HR82R	2007-000086	R-CHIP;5.6Kohm,5%,1/10W,TP,1608	1	SA		MC22R	2203-001596	C-CER,CHIP;2200nF,+80-20%,50V,Y5V,2	1	SA	
HR8L	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	SA		MC24	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
HR8R	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	SA		MC25	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	SA	
HR9	2001-000062	R-CARBON;470ohm,5%,1/4W,AA,TP,2.4x6	1	SA		MC26	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	SA	
HZD1	0403-000149	DIODE-ZENER;1N4742A,5%,1000MW,DO-41	1	SA		MC27	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,TP,160	1	SA	
JW11	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MC28	2203-001596	C-CER,CHIP;2200nF,+80-20%,50V,Y5V,2	1	SA	
JW2	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MC29	2203-001596	C-CER,CHIP;2200nF,+80-20%,50V,Y5V,2	1	SA	
JW20	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MC3	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,TP,160	1	SA	
JW21	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MC4	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	SA	
JW3	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MC5	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	SA	
JW32	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MC6	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	SA	
JW35	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MC7	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
JW36	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MC7L	2203-000626	C-CER,CHIP;0.022nF,5%,50V,COG,1608	1	SA	
JW38	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MC7R	2203-000626	C-CER,CHIP;0.022nF,5%,50V,COG,1608	1	SA	
JW39	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MC8	2401-001508	C-AL;47uF,20%,16V,GP,TP,6.3x5.5	1	SA	
JW4	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MC80	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
JW41	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MC8L	2203-001607	C-CER,CHIP;0.22nF,5%,50V,NP0,1608	1	SA	
JW42	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MC8R	2203-001596	C-CER,CHIP;2200nF,+80-20%,50V,Y5V,2	1	SA	
JW43_	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	1	SA		MC8RR	2203-001607	C-CER,CHIP;0.22nF,5%,50V,NP0,1608	1	SA	
JW47	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MC9	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
JW48	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MCON11	3708-001265	CONNECTOR-FPC/FFC/PIC;12P;1.25MM,ST	1	SA	
JW49_	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MCW1	3708-000249	CONNECTOR-FPC/FFC/PIC;27P;1.25mm,ST	1	SA	
JW54	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		ME03R	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA	
JW6	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MC1	1204-002878	IC-VOLUME/TONE CONT.;LC75105V,SSOP,	1	SA	
JW61	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MIC-JACK3722-001588	JACK-PHONE;7P,3.6PI,AG,BLK,-	1	SA		
JW65	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MJW1	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA	
JW67	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MJW10	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA	
JW79	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MJW11	2001-000016	R-CARBON(S);1ohm,5%,1/2W,AA,TP,2.4x	1	SA	
JW8	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MJW12	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA	
JW80	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MJW13	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA	
JW81	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MJW15	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA	
JW82	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MJW16	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA	
JW83	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MJW17	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA	
JW86	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MJW18	0401-000005	DIODE-SWITCHING;1N4148,75V,150mA,DO	1	SA	
JW9	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MJW19	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA	
						MJW2	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA	

Loc. No.	Part No.	Description;Specification	Q'ty	SNA	Remark	Loc. No.	Part No.	Description;Specification	Q'ty	SNA	Remark
MJW20	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MJW87	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA	
MJW21	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MJW88	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA	
MJW22	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MJW89	2007-000033	R-CHIP:0ohm,5%,1/4W,TP,3216	1	SA	
MJW23	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MJW9	2007-000033	R-CHIP:0ohm,5%,1/4W,TP,3216	1	SA	
MJW24	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MJW90	2007-000033	R-CHIP:0ohm,5%,1/4W,TP,3216	1	SA	
MJW25	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MJW92	2007-000033	R-CHIP:0ohm,5%,1/4W,TP,3216	1	SA	
MJW26	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MJW95	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA	
MJW28	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MJW96	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA	
MJW29	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MJW97	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA	
MJW3	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MONO WIRE	AH39-50001D	WIRE HARNESS;,1007#24,200MM,RED	1	SA	
MJW30	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MQ1	0504-000128	TR-DIGITAL;-;NPN,200MW,22K/22K,SOT-	1	SA	
MJW31	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MR1	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3	1	SA	
MJW31_	2007-000033	R-CHIP:0ohm,5%,1/4W,TP,3216	1	SA		MR10R	2007-000094	R-CHIP:22Kohm,5%,1/10W,TP,1608	1	SA	
MJW32	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MR11	2001-000281	R-CARBON:100ohm,5%,1/8W,AA,TP,1.8x3	1	SA	
MJW33	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MR12L	2007-000614	R-CHIP:24Kohm,1%,1/10W,TP,1608	1	SA	
MJW33_	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MR12R	2007-000614	R-CHIP:24Kohm,1%,1/10W,TP,1608	1	SA	
MJW34	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MR14	2007-000129	R-CHIP:27Kohm,5%,1/10W,TP,1608	1	SA	
MJW36	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MR2	2001-000281	R-CARBON:100ohm,5%,1/8W,AA,TP,1.8x3	1	SA	
MJW37	2007-000033	R-CHIP:0ohm,5%,1/4W,TP,3216	1	SA		MR3	2007-000134	R-CHIP:33Kohm,5%,1/10W,TP,1608	1	SA	
MJW38	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MR5	2007-000106	R-CHIP:220Kohm,5%,1/10W,TP,1608	1	SA	
MJW39	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MR6	2001-000027	R-CARBON:100ohm,5%,1/4W,AA,TP,2.4x6	1	SA	
MJW4	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MR7	2007-001179	R-CHIP:8.2Kohm,5%,1/10W,TP,1608	1	SA	
MJW41	2007-000070	R-CHIP:0ohm,5%,1/10W,TP,1608	1	SA		MR7R	2001-000027	R-CARBON:100ohm,5%,1/4W,AA,TP,2.4x6	1	SA	
MJW42	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MR8L	2007-000614	R-CHIP:24Kohm,1%,1/10W,TP,1608	1	SA	
MJW43	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MR8R	2007-000614	R-CHIP:24Kohm,1%,1/10W,TP,1608	1	SA	
MJW44	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MR91	2007-000091	R-CHIP:12Kohm,5%,1/10W,TP,1608	1	SA	
MJW48	2007-000033	R-CHIP:0ohm,5%,1/4W,TP,3216	1	SA		MR92	2001-000702	R-CARBON;39Kohm,5%,1/8W,AA,TP,1.8x3	1	SA	
MJW49	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MR9L	2007-000129	R-CHIP:27Kohm,5%,1/10W,TP,1608	1	SA	
MJW5	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MR9R	2007-000129	R-CHIP:27Kohm,5%,1/10W,TP,1608	1	SA	
MJW50	2007-000033	R-CHIP:0ohm,5%,1/4W,TP,3216	1	SA		MZD1	0403-000145	DIODE-ZENER:1N4739A,5%,1000MW,DO-41	1	SA	
MJW51	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MZD2	0403-000145	DIODE-ZENER:1N4739A,5%,1000MW,DO-41	1	SA	
MJW52	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		MZD3	0403-000145	DIODE-ZENER:1N4739A,5%,1000MW,DO-41	1	SA	
MJW53	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		PCB-MAIN	AH41-01109B	PCB-MAIN;MM-DA25,KH,1,0,1.6T,-,-,1,	1	SNA	
MJW55	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		PCW1	3711-002807	HEADER-BOARD TO CABLE;BOX,6P,1R,2mm	1	SA	
MJW56	2007-000033	R-CHIP:0ohm,5%,1/4W,TP,3216	1	SA		PCW3	3711-006142	HEADER-BOARD TO CABLE;BOX,15P,1R,2m	1	SA	
MJW57	2007-000033	R-CHIP:0ohm,5%,1/4W,TP,3216	1	SA		PD2	2001-000855	R-CARBON:560ohm,5%,1/4W,AA,TP,2.4x6	1	SA	
MJW58	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		PR1	2001-001070	R-CARBON(S);120ohm,5%,1/2W,AA,TP,2.	1	SA	
MJW59	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		PR2	2007-000094	R-CHIP:22Kohm,5%,1/10W,TP,1608	1	SA	
MJW6	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		PR3	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608	1	SA	
MJW60	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		PR4	2007-000293	R-CHIP:100ohm,5%,1/4W,TP,3216	1	SA	
MJW62	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		PR5	2007-000120	R-CHIP:680ohm,5%,1/10W,TP,1608	1	SA	
MJW63	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		PZD1	0403-000139	DIODE-ZENER:1N4734A,5%,1000mW,DO-41	1	SA	
MJW64	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		PZD2	0403-000355	DIODE-ZENER:UZ5.1BSB,5-5,2V,500MW,D	1	SA	
MJW65	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		REM-EYE	0609-001189	MODULE REMOCON;HORIZONTAL,16.4MM,TR	1	SA	
MJW66	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		SCC1L	2202-002037	C-CERAMIC,MLC-AXIAL:100nF,+80-20%,5	1	SA	
MJW67	2007-000033	R-CHIP:0ohm,5%,1/4W,TP,3216	1	SA		SCC1R	2202-002037	C-CERAMIC,MLC-AXIAL:100nF,+80-20%,5	1	SA	
MJW7	2007-000033	R-CHIP:0ohm,5%,1/4W,TP,3216	1	SA		SCR1L	2001-000734	R-CARBON:4.7Kohm,5%,1/8W,AA,TP,1.8x	1	SA	
MJW70	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		SCR1R	2001-000734	R-CARBON:4.7Kohm,5%,1/8W,AA,TP,1.8x	1	SA	
MJW71	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		SCREW	6003-001464	SCREW-TAPTITE;BH,+;B,M3,L10,ZPC(WHT)	2	SNA	
MJW72	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		SCW1	3708-000303	CONNECTOR-FPC/FPC/PIC;6P,1.25MM,STR	1	SA	
MJW80	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		SCW1A	3708-000303	CONNECTOR-FPC/FPC/PIC;6P,1.25MM,STR	1	SA	
MJW81	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		SW1	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SP	1	SA	
MJW82	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		SW10	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SP	1	SA	
MJW83	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		SW11	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SP	1	SA	
MJW83_	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		SW12	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SP	1	SA	
MJW84	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		SW2	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SP	1	SA	
MJW85	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		SW3	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SP	1	SA	
MJW86	3811-001868	WIRE-NO SHEATH CU;SnCuFe,-,52mm,-,-	1	SA		SW4	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SP	1	SA	

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Loc. No.	Part No.	Description;Specification	Q'ty	SNA	Remark	Loc. No.	Part No.	Description;Specification	Q'ty	SNA	Remark
SW5	3404-000165	SWITCH-TACT:12V,50mA,160gf,6x6mm,SP	1	SA		UR1	2001-000522	R-CARBON:22Kohm,5%,1/8W,AA,TP,1.8x3	1	SA	
SW6	3404-000165	SWITCH-TACT:12V,50mA,160gf,6x6mm,SP	1	SA		UR10	2007-000102	R-CHIP:100Kohm,5%,1/10W,TP,1608	1	SA	
SW7	3404-000165	SWITCH-TACT:12V,50mA,160gf,6x6mm,SP	1	SA		UR100	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608	1	SA	
SW8	3404-000165	SWITCH-TACT:12V,50mA,160gf,6x6mm,SP	1	SA		UR111	2001-000290	R-CARBON:10Kohm,5%,1/8W,AA,TP,1.8x3	1	SA	
SW9	3404-000165	SWITCH-TACT:12V,50mA,160gf,6x6mm,SP	1	SA		UR15	2001-000837	R-CARBON:51Kohm,5%,1/8W,AA,TP,1.8x3	1	SA	
TC1	2401-000480	C-AL:10uF,20%,50V,GP,TP,5x11,5	1	SA		UR2	2007-000102	R-CHIP:100Kohm,5%,1/10W,TP,1608	1	SA	
TC20	2203-005249	C-CER,CHIP:100nF,10%,50V,X7R,1608	1	SA		UR27	2007-000305	R-CHIP:10Mohm,5%,1/10W,TP,1608	1	SA	
TC8	2203-000440	C-CER,CHIP:1nF,10%,50V,X7R,1608	1	SA		UR28	2007-001026	R-CHIP:560Kohm,5%,1/10W,TP,1608	1	SA	
TC9	2203-000440	C-CER,CHIP:1nF,10%,50V,X7R,1608	1	SA		UR3	2007-000102	R-CHIP:100Kohm,5%,1/10W,TP,1608	1	SA	
TCON13	AH40-00140A	TUNER-MODULE;KST-MW004FV1-S55,MAX-D	1	SA		UR30	2007-000109	R-CHIP:1Mohm,5%,1/10W,TP,1608	1	SA	
TR10	2007-000130	R-CHIP:39Kohm,5%,1/10W,TP,1608	1	SA		UR300	2007-000102	R-CHIP:100Kohm,5%,1/10W,TP,1608	1	SA	
TR100	0402-000127	DIODE-RECTIFIER:1N4002,100V,1A,DO-4	1	SA		UR301	2007-000097	R-CHIP:47Kohm,5%,1/10W,TP,1608	1	SA	
TR100A	2001-000028	R-CARBON(S):100ohm,5%,1/2W,AA,TP,2.	1	SA		UR31	2007-000402	R-CHIP:150ohm,5%,1/10W,TP,1608	1	SA	
TR100B	2007-000598	R-CHIP:22ohm,5%,1/4W,TP,3216	1	SA		UR33	2001-000449	R-CARBON:2.2Kohm,5%,1/8W,AA,TP,1.8x3	1	SA	
TR11	2007-000458	R-CHIP:18Kohm,5%,1/10W,TP,1608	1	SA		UR34	2007-000106	R-CHIP:220Kohm,5%,1/10W,TP,1608	1	SA	
TR12	2007-000130	R-CHIP:39Kohm,5%,1/10W,TP,1608	1	SA		UR36	2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608	1	SA	
TR2	2001-000281	R-CARBON:100ohm,5%,1/8W,AA,TP,1.8x3	1	SA		UR38	2001-000281	R-CARBON:100ohm,5%,1/8W,AA,TP,1.8x3	1	SA	
TR5	2007-000078	R-CHIP:1Kohm,5%,1/10W,TP,1608	1	SA		UR45	2001-000281	R-CARBON:100ohm,5%,1/8W,AA,TP,1.8x3	1	SA	
TR6	2001-000429	R-CARBON:1Kohm,5%,1/8W,AA,TP,1.8x3.	1	SA		UR47	2001-000281	R-CARBON:100ohm,5%,1/8W,AA,TP,1.8x3	1	SA	
TR9	2007-000458	R-CHIP:18Kohm,5%,1/10W,TP,1608	1	SA		UR48	2007-000402	R-CHIP:150ohm,5%,1/10W,TP,1608	1	SA	
TR91	2007-000124	R-CHIP:2.2Kohm,5%,1/10W,TP,1608	1	SA		UR59	2007-000074	R-CHIP:100ohm,5%,1/10W,TP,1608	1	SA	
TR92	2007-000082	R-CHIP:3.3Kohm,5%,1/10W,TP,1608	1	SA		UR61	2007-000074	R-CHIP:100ohm,5%,1/10W,TP,1608	1	SA	
TZD1	0403-000525	DIODE-ZENER:1N4733A,5%,1000MW,DO-41	1	SA		UR62	2007-000074	R-CHIP:100ohm,5%,1/10W,TP,1608	1	SA	
UC10	2203-000257	C-CER,CHIP:10nF,10%,50V,X7R,TP,1608	1	SA		UR63	2007-000074	R-CHIP:100ohm,5%,1/10W,TP,1608	1	SA	
UC11	2203-000626	C-CER,CHIP:0.022nF,5%,50V,COG,1608	1	SA		UR800	2001-000290	R-CARBON:10Kohm,5%,1/8W,AA,TP,1.8x3	1	SA	
UC12	2203-000626	C-CER,CHIP:0.022nF,5%,50V,COG,1608	1	SA		UR801	2001-000522	R-CARBON:22Kohm,5%,1/8W,AA,TP,1.8x3	1	SA	
UC13	2401-000027	C-AL:4.7uF,20%,50V,GP,TP,5x11,5	1	SA		UR9	2007-000102	R-CHIP:100Kohm,5%,1/10W,TP,1608	1	SA	
UC14	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,160	1	SA		VC1	2401-001092	C-AL:330uF,20%,10V,GP,-,8x11.5,2.5mm	1	SA	
UC15	2401-000759	C-AL:220nF,20%,50V,GP,TP,5x11mm,5mm	1	SA		VC19	2203-001652	C-CER,CHIP:470nF,+80-20%,16V,Y5V,16	1	SA	
UC16	2401-000042	C-AL:100uF,20%,16V,GP,TP,6.3x7,5	1	SA		VC2	2401-001092	C-AL:330uF,20%,10V,GP,-,8x11.5,2.5mm	1	SA	
UC17	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,160	1	SA		VC21	2203-005249	C-CER,CHIP:100nF,10%,50V,X7R,1608	1	SA	
UC18	2203-000062	C-CER,CHIP:47nF,+80-20%,50V,Y5V,160	1	SA		VC22	2203-005249	C-CER,CHIP:100nF,10%,50V,X7R,1608	1	SA	
UC2	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,160	1	SA		VC28	2203-005249	C-CER,CHIP:100nF,10%,50V,X7R,1608	1	SA	
UC20	2401-003010	C-AL:1000uF,20%,6.3V,GP,TP,8x11.5mm	1	SA		VC29	2401-001092	C-AL:330uF,20%,10V,GP,-,8x11.5,2.5mm	1	SA	
UC22	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,160	1	SA		VC3	2401-001092	C-AL:330uF,20%,10V,GP,-,8x11.5,2.5mm	1	SA	
UC24	2401-000042	C-AL:100uF,20%,16V,GP,TP,6.3x7,5	1	SA		VC4	2401-001092	C-AL:330uF,20%,10V,GP,-,8x11.5,2.5mm	1	SA	
UC25	2401-000487	C-AL:10uF,20%,50V,GP,TP,6.3x5mm,5	1	SA		VC5	2401-001092	C-AL:330uF,20%,10V,GP,-,8x11.5,2.5mm	1	SA	
UC4	2203-001607	C-CER,CHIP:0.22nF,5%,50V,NP0,1608	1	SA		VC6	2401-001092	C-AL:330uF,20%,10V,GP,-,8x11.5,2.5mm	1	SA	
UC41	2203-005249	C-CER,CHIP:100nF,10%,50V,X7R,1608	1	SA		VC7	2401-001092	C-AL:330uF,20%,10V,GP,-,8x11.5,2.5mm	1	SA	
UC50	2202-002037	C-CERAMIC,MLC-AXIAL:100nF,+80-20%,5	1	SA		VFD	AH07-00231A	VF DISPLAY-DA25:30-1101N,MM-DA25/A2	1	SA	
UC51	2401-000487	C-AL:10uF,20%,50V,GP,TP,6.3x5mm,5	1	SA		VFD-HOLD	AH61-02548A	HOLDER-VFD:MM-DA25,ABS,T2.5,W40,L80	1	SA	
UC54	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,160	1	SA		VFR1	2001-000019	R-CARBON(S):10ohm,5%,1/2W,AA,TP,2.4	1	SA	
UC56	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,160	1	SA		VJ1	AH37-00005A	JACK-RCA:1P,S-440B,YELLOW,-,SHIELD	1	SA	
UC84	2202-002037	C-CERAMIC,MLC-AXIAL:100nF,+80-20%,5	1	SA		VJ4	3722-002283	JACK-SCART:21P+3P,-,SN,BLK,-	1	SA	
UD1	0401-001090	DIODE-SWITCHING:1SS355,80V,100MA,SO	1	SA		VL13	3301-001495	BEAD-SMD:120ohm,2012,2500mA,TP,115o	1	SA	
UD100	0401-001090	DIODE-SWITCHING:1SS355,80V,100MA,SO	1	SA		VL3	2703-000275	INDUCTOR-SMD:33UH,10%,2012	1	SA	
UD101	0401-000005	DIODE-SWITCHING:1N4148,75V,150mA,DO	1	SA		VL4	2703-000275	INDUCTOR-SMD:33UH,10%,2012	1	SA	
UD2	0401-001090	DIODE-SWITCHING:1SS355,80V,100MA,SO	1	SA		VQ10	0504-000152	TR-DIGITAL:KSR2101,P,PNP,200mW,4.7K/4	1	SA	
UD20	0404-000156	DIODE-SCHOTTKY:RB441Q,40V,350MA,DO-	1	SA		VQ11	0501-002184	TR-SMALL SIGNAL:KTD1304,NPN,200mW,S	1	SA	
UD3	0401-000005	DIODE-SWITCHING:1N4148,75V,150mA,DO	1	SA		VQ12	0501-002184	TR-SMALL SIGNAL:KTD1304,NPN,200mW,S	1	SA	
UD5	0401-000005	DIODE-SWITCHING:1N4148,75V,150mA,DO	1	SA		VQ13	0504-000128	TR-DIGITAL:-,NPN,200MW,22K/22K,SOT-	1	SA	
UD7	0401-000005	DIODE-SWITCHING:1N4148,75V,150mA,DO	1	SA		VQ14	0501-002184	TR-SMALL SIGNAL:KTD1304,NPN,200mW,S	1	SA	
UD9	0401-001090	DIODE-SWITCHING:1SS355,80V,100MA,SO	1	SA		VQ15	0504-000128	TR-DIGITAL:-,NPN,200MW,22K/22K,SOT-	1	SA	
UIC1	AH11-00257A	IC MASK ROM-DA25;-MM-DA25##MASK IC	1	SA		VQ7	0501-000341	TR-SMALL SIGNAL:KSC1623-L,NPN,200mW	1	SA	
UIC2	1003-002129	IC-VFD:PT6315A,LQFP,44P,10x10mm,-,-	1	SA		VR1	2007-0001164	R-CHIP:75ohm,1%,1/10W,TP,1608	1	SA	
UJ11	3708-001265	CONNECTOR-FPC/FPC/PIC:1P,1.25MM,ST	1	SA		VR2	2007-0001164	R-CHIP:75ohm,1%,1/10W,TP,1608	1	SA	
UJ2	3711-000967	HEADER-BOARD TO CABLE:BOX,4P,1R,2mm	1	SA		VR23	2001-000429	R-CARBON:1Kohm,5%,1/8W,AA,TP,1.8x3.	1	SA	
UJ22	3722-002313	JACK-USB:4P/1C,AU30U,BLK,STRAIGHT,A	1	SA		VR24	2007-000078	R-CHIP:1Kohm,5%,1/10W,TP,1608	1	SA	
UQ1	0501-000341	TR-SMALL SIGNAL:KSC1623-L,NPN,200mW	1	SA							

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Loc. No.	Part No.	Description;Specification	Q'ty	SNA	Remark	Loc. No.	Part No.	Description;Specification	Q'ty	SNA	Remark
CTB3	3301-001069	BEAD-SMD;120ohm,1.6x0.8x0.8mm,200mA	1	SA		MC127	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
CTB4	3301-001069	BEAD-SMD;120ohm,1.6x0.8x0.8mm,200mA	1	SA		MC128	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
CTB5	3301-001069	BEAD-SMD;120ohm,1.6x0.8x0.8mm,200mA	1	SA		MC129	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
CTB6	3301-001069	BEAD-SMD;120ohm,1.6x0.8x0.8mm,200mA	1	SA		MC13	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
CTC4	2203-000477	C-CER,CHIP:1000NF,+80-20%,16V,Y5V,T	1	SA		MC130	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
CTCN4	3708-002342	CONNECTOR-FPC/FFC/PIC;6P,1mm,SMD-A,	1	SA		MC131	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
CTR12	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	SA		MC132	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
CTR13	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA		MC133	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
DIC3	1201-001842	IC-OP AMP;TL3472CD,SO,TP,8P,-,DUAL,	1	SA		MC134	2203-000280	C-CER,CHIP;0.01nF,0.5pF,50V,COG,160	1	SA	
EL1	3301-001069	BEAD-SMD;120ohm,1.6x0.8x0.8mm,200mA	1	SA		MC135	2203-000280	C-CER,CHIP;0.01nF,0.5pF,50V,COG,160	1	SA	
EL10	3301-001069	BEAD-SMD;120ohm,1.6x0.8x0.8mm,200mA	1	SA		MC137	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
EL12	3301-001069	BEAD-SMD;120ohm,1.6x0.8x0.8mm,200mA	1	SA		MC14	2402-001096	C-AL,SMD;220UF,20%,16V,GP,TP,6.6x6.6	1	SA	
EL13	3301-001069	BEAD-SMD;120ohm,1.6x0.8x0.8mm,200mA	1	SA		MC2	2203-005819	C-CER,CHIP;1000nF,+80-20%,16V,Y5V,-	1	SA	
EL14	3301-001069	BEAD-SMD;120ohm,1.6x0.8x0.8mm,200mA	1	SA		MC3	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
EL15	3301-001069	BEAD-SMD;120ohm,1.6x0.8x0.8mm,200mA	1	SA		MC4	2203-005819	C-CER,CHIP;1000nF,+80-20%,16V,Y5V,-	1	SA	
EL16	3301-001069	BEAD-SMD;120ohm,1.6x0.8x0.8mm,200mA	1	SA		MC43	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
EL2	3301-001069	BEAD-SMD;120ohm,1.6x0.8x0.8mm,200mA	1	SA		MC44	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
EL3	3301-001069	BEAD-SMD;120ohm,1.6x0.8x0.8mm,200mA	1	SA		MC53	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
EL4	3301-001069	BEAD-SMD;120ohm,1.6x0.8x0.8mm,200mA	1	SA		MC58	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
EL5	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		MC59	2402-001049	C-AL,SMD;10uF,20%,16V,GP,TP,3.3x3.3	1	SA	
EL6	3301-001069	BEAD-SMD;120ohm,1.6x0.8x0.8mm,200mA	1	SA		MC6	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
EL7	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		MC62	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
EL8	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		MC63	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
EL9	3301-001069	BEAD-SMD;120ohm,1.6x0.8x0.8mm,200mA	1	SA		MC64	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
IC1	0801-002683	IC-CMOS LOGIC;74HCT245,TRANSCEIVER,	1	SA		MC65	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
IC2	1103-001333	IC-EEPROM;24C08A,1Kx8Bit,SOP,8P,5x4	1	SA		MC66	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
IC3	1002-001294	IC-D/A CONVERTER;PCM1742KE,24BIT,TS	1	SA		MC67	2203-005819	C-CER,CHIP;1000nF,+80-20%,16V,Y5V,-	1	SA	
IC4	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,1	1	SA		MC68	2402-001198	C-AL,SMD;330UF,20%,6.3V,GP,TP,6.6x6.6	1	SA	
MC1	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA		MC69	2402-001198	C-AL,SMD;330UF,20%,6.3V,GP,TP,6.6x6.6	1	SA	
MC10	2203-005819	C-CER,CHIP:1000nF,+80-20%,16V,Y5V,-	1	SA		MC7	2203-005819	C-CER,CHIP;1000nF,+80-20%,16V,Y5V,-	1	SA	
MC100	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,160	1	SA		MC70	2203-000236	C-CER,CHIP;0.1nF,5%,50V,COG,1608	1	SA	
MC101	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,160	1	SA		MC73	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
MC102	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,160	1	SA		MC74	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
MC103	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,160	1	SA		MC75	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
MC104	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,160	1	SA		MC77	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
MC105	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,160	1	SA		MC8	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
MC106	2203-001086	C-CER,CHIP:0.0050nF,0.25pF,50V,NP0,	1	SA		MC9	2402-001096	C-AL,SMD;220UF,20%,16V,GP,TP,6.6x6.6	1	SA	
MC107	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,160	1	SA		MCN1A	3710-002223	SOCKET-BOARD TO CABLE;30P,2R,2mm,SM	1	SA	
MC108	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,160	1	SA		MD1	0401-001090	DIODE-SWITCHING;1SS355,80V,100MA,SO	1	SA	
MC109	2203-000681	C-CER,CHIP:0.027nF,5%,50V,COG,1608	1	SA		MIC1	1204-002867	IC-PAL/NTSC DECODER;ES8390SCC,LQFP,	1	SA	
MC11	2203-000257	C-CER,CHIP:10nF,10%,50V,X7R,TP,1608	1	SA		MIC10	0801-002391	IC-CMOS LOGIC;74LCX00,NAND GATE,TSS	1	SA	
MC110	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,160	1	SA		MIC2	1105-001573	IC-DRAM;K4S281632,-,128Mbit,8Mx16Bi	1	SA	
MC111	2203-000646	C-CER,CHIP:0.024nF,5%,50V,COG,TP,16	1	SA		MIC3	1107-001600	IC-NOR FLASH;MX25L1605A,16Mbit,2Mx8	1	SA	
MC112	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,160	1	SA		ML1	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,115o	1	SA	
MC113	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,160	1	SA		ML10	3301-001069	BEAD-SMD;120ohm,1.6x0.8x0.8mm,200mA	1	SA	
MC114	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,160	1	SA		ML11	3301-001069	BEAD-SMD;120ohm,1.6x0.8x0.8mm,200mA	1	SA	
MC115	2203-000062	C-CER,CHIP;47nF,+80-20%,50V,Y5V,160	1	SA		ML12	2901-001302	FILTER-EMI SMD;20V,0.3A,0pF,2.0x1.2	1	SA	
MC116	2402-001049	C-AL,SMD;10uF,20%,16V,GP,TP,3.3x3.3	1	SA		ML13	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,115o	1	SA	
MC117	2402-001049	C-AL,SMD;10uF,20%,16V,GP,TP,3.3x3.3	1	SA		ML14	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,115o	1	SA	
MC118	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,160	1	SA		ML15	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,115o	1	SA	
MC119	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,160	1	SA		ML16	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,115o	1	SA	
MC12	2203-000257	C-CER,CHIP:10nF,10%,50V,X7R,TP,1608	1	SA		ML18	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,115o	1	SA	
MC120	2402-000167	C-AL,SMD;100uF,20%,10V,-,-,6.6x6.6x	1	SA		ML2	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,115o	1	SA	
MC121	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,160	1	SA		ML4	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,115o	1	SA	
MC122	2402-000167	C-AL,SMD;100uF,20%,10V,-,-,6.6x6.6x	1	SA		ML6	3301-001069	BEAD-SMD;120ohm,1.6x0.8x0.8mm,200mA	1	SA	
MC123	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,160	1	SA		ML7	3301-001069	BEAD-SMD;120ohm,1.6x0.8x0.8mm,200mA	1	SA	
MC124	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,160	1	SA		ML8	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,115o	1	SA	
MC126	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,160	1	SA		ML9	3301-001069	BEAD-SMD;120ohm,1.6x0.8x0.8mm,200mA	1	SA	

Loc. No.	Part No.	Description;Specification	Q'ty	SNA	Remark	Loc. No.	Part No.	Description;Specification	Q'ty	SNA	Remark
MR06	2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608	1	SA		PL18	3301-001495	BEAD-SMD:120ohm,2012,2500mA,TP,115o	1	SA	
MR07	2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608	1	SA		PL19	3301-001495	BEAD-SMD:120ohm,2012,2500mA,TP,115o	1	SA	
MR10	2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608	1	SA		PL20	3301-001495	BEAD-SMD:120ohm,2012,2500mA,TP,115o	1	SA	
MR110	2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608	1	SA		PL4	3301-001495	BEAD-SMD:120ohm,2012,2500mA,TP,115o	1	SA	
MR111	2007-000309	R-CHIP:10ohm,5%,1/10W,TP,1608	1	SA		Q1	0504-000128	TR-DIGITAL:-,NPN,200MW,22K/22K,SOT-	1	SA	
MR112	2007-000309	R-CHIP:10ohm,5%,1/10W,TP,1608	1	SA		Q2	0504-000128	TR-DIGITAL:-,NPN,200MW,22K/22K,SOT-	1	SA	
MR113	2007-000309	R-CHIP:10ohm,5%,1/10W,TP,1608	1	SA		Q3	0504-000128	TR-DIGITAL:-,NPN,200MW,22K/22K,SOT-	1	SA	
MR114	2007-000309	R-CHIP:10ohm,5%,1/10W,TP,1608	1	SA		Q4	0501-000632	TR-SMALL SIGNAL:2SB1197K,PNP,200mW,	1	SA	
MR115	2007-000309	R-CHIP:10ohm,5%,1/10W,TP,1608	1	SA		Q5	0501-000632	TR-SMALL SIGNAL:2SB1197K,PNP,200mW,	1	SA	
MR13	2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608	1	SA		RB01	3301-001495	BEAD-SMD:120ohm,2012,2500mA,TP,115o	1	SA	
MR14	2007-000113	R-CHIP:33ohm,5%,1/10W,TP,1608	1	SA		RC01	2203-000236	C-CER,CHIP:0.1nF,5%,50V,COG,1608	1	SA	
MR166	2007-000119	R-CHIP:560ohm,5%,1/10W,TP,1608	1	SA		RC02	2203-000257	C-CER,CHIP:10nF,10%,50V,X7R,TP,1608	1	SA	
MR168	2007-000074	R-CHIP:100ohm,5%,1/10W,TP,1608	1	SA		RC03	2402-000136	C-AL,SMD:22uF,20%,16V,GP,TP,5.3x5.3	1	SA	
MR17	2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608	1	SA		RC04	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,160	1	SA	
MR18	2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608	1	SA		RC05	2402-000136	C-AL,SMD:22uF,20%,16V,GP,TP,5.3x5.3	1	SA	
MR21	2007-000113	R-CHIP:33ohm,5%,1/10W,TP,1608	1	SA		RC07	2203-001126	C-CER,CHIP:0.68nF,10%,50V,X7R,1608	1	SA	
MR22	2007-000102	R-CHIP:100Kohm,5%,1/10W,TP,1608	1	SA		RC08	2203-001652	C-CER,CHIP:470nF,+80-20%,16V,Y5V,16	1	SA	
MR23	2007-000113	R-CHIP:33ohm,5%,1/10W,TP,1608	1	SA		RC09	2203-000257	C-CER,CHIP:10nF,10%,50V,X7R,TP,1608	1	SA	
MR24	2007-000113	R-CHIP:33ohm,5%,1/10W,TP,1608	1	SA		RC1	2203-000257	C-CER,CHIP:10nF,10%,50V,X7R,TP,1608	1	SA	
MR25	2007-000113	R-CHIP:33ohm,5%,1/10W,TP,1608	1	SA		RC10	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,160	1	SA	
MR26	2007-000113	R-CHIP:33ohm,5%,1/10W,TP,1608	1	SA		RC101	2203-000189	C-CER,CHIP:100nF,+80-20%,25V,Y5V,16	1	SA	
MR28	2007-000113	R-CHIP:33ohm,5%,1/10W,TP,1608	1	SA		RC102	2402-000009	C-AL,SMD:47uF,20%,6.3V,GP,TP,5.3x5.3	1	SA	
MR30	2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608	1	SA		RC11	2203-001652	C-CER,CHIP:470nF,+80-20%,16V,Y5V,16	1	SA	
MR31	2007-000097	R-CHIP:47Kohm,5%,1/10W,TP,1608	1	SA		RC12	2203-000257	C-CER,CHIP:10nF,10%,50V,X7R,TP,1608	1	SA	
MR32	2007-000097	R-CHIP:47Kohm,5%,1/10W,TP,1608	1	SA		RC13	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,160	1	SA	
MR33	2007-000133	R-CHIP:330Kohm,5%,1/10W,TP,1608	1	SA		RC14	2203-001126	C-CER,CHIP:0.68nF,10%,50V,X7R,1608	1	SA	
MR34	2007-000118	R-CHIP:390ohm,5%,1/10W,TP,1608	1	SA		RC16	2402-001096	C-AL,SMD:220UF,20%,16V,GP,TP,6.6X6.6	1	SA	
MR35	2007-000070	R-CHIP:0ohm,5%,1/10W,TP,1608	1	SA		RC17	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,160	1	SA	
MR36	2007-000113	R-CHIP:33ohm,5%,1/10W,TP,1608	1	SA		RC18	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,160	1	SA	
MR40	2007-000113	R-CHIP:33ohm,5%,1/10W,TP,1608	1	SA		RC19	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,160	1	SA	
MR41	2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608	1	SA		RC20	2203-000189	C-CER,CHIP:100nF,+80-20%,25V,Y5V,16	1	SA	
MR42	2007-000113	R-CHIP:33ohm,5%,1/10W,TP,1608	1	SA		RC21	2203-005819	C-CER,CHIP:1000nF,+80-20%,16V,Y5V,-	1	SA	
MR43	2007-000113	R-CHIP:33ohm,5%,1/10W,TP,1608	1	SA		RC21A	2203-000257	C-CER,CHIP:10nF,10%,50V,X7R,TP,1608	1	SA	
MR44	2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608	1	SA		RC22	2203-000189	C-CER,CHIP:100nF,+80-20%,25V,Y5V,16	1	SA	
MR46	2007-000113	R-CHIP:33ohm,5%,1/10W,TP,1608	1	SA		RC23	2203-000440	C-CER,CHIP:1nF,10%,50V,X7R,1608	1	SA	
MR47	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608	1	SA		RC24	2203-000440	C-CER,CHIP:1nF,10%,50V,X7R,1608	1	SA	
MR48	2007-000081	R-CHIP:2.7Kohm,5%,1/10W,TP,1608	1	SA		RC25	2402-001009	C-AL,SMD:100uF,20%,6.3V,GP,TP,5.3x5.3	1	SA	
MR49	2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608	1	SA		RC26	2402-001009	C-AL,SMD:100uF,20%,6.3V,GP,TP,5.3x5.3	1	SA	
MR50	2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608	1	SA		RC31	2203-000440	C-CER,CHIP:1nF,10%,50V,X7R,1608	1	SA	
MR51	2007-000078	R-CHIP:1Kohm,5%,1/10W,TP,1608	1	SA		RC32	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,160	1	SA	
MR59	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608	1	SA		RC33	2203-000236	C-CER,CHIP:0.1nF,5%,50V,COG,1608	1	SA	
MR62	2007-000092	R-CHIP:15Kohm,5%,1/10W,TP,1608	1	SA		RC34	2203-000280	C-CER,CHIP:0.01nF,0.5pF,50V,COG,160	1	SA	
MR63	2007-000092	R-CHIP:15Kohm,5%,1/10W,TP,1608	1	SA		RC35	2402-001198	C-AL,SMD:330UF,20%,6.3V,GP,TP,6.6X6.6	1	SA	
MR65	2007-000074	R-CHIP:100ohm,5%,1/10W,TP,1608	1	SA		RC36	2203-002398	C-CER,CHIP:22nF,10%,50V,X7R,1608	1	SA	
MR66	2007-000074	R-CHIP:100ohm,5%,1/10W,TP,1608	1	SA		RC37	2402-000136	C-AL,SMD:22uF,20%,16V,GP,TP,5.3x5.3	1	SA	
MR69	2007-000074	R-CHIP:100ohm,5%,1/10W,TP,1608	1	SA		RC4	2203-005819	C-CER,CHIP:1000nF,+80-20%,16V,Y5V,-	1	SA	
MR70	2007-000074	R-CHIP:100ohm,5%,1/10W,TP,1608	1	SA		RC41	2203-005065	C-CER,CHIP:1000nF,+80-20%,10V,Y5V,1	1	SA	
MR71	2007-000078	R-CHIP:1Kohm,5%,1/10W,TP,1608	1	SA		RC56	2203-000888	C-CER,CHIP:4.7nF,10%,50V,X7R,TP,160	1	SA	
MR72	2007-000078	R-CHIP:1Kohm,5%,1/10W,TP,1608	1	SA		RC57	2203-000440	C-CER,CHIP:1nF,10%,50V,X7R,1608	1	SA	
MR73	2007-000081	R-CHIP:2.7Kohm,5%,1/10W,TP,1608	1	SA		RC58	2203-000257	C-CER,CHIP:10nF,10%,50V,X7R,TP,1608	1	SA	
MR74	2007-000081	R-CHIP:2.7Kohm,5%,1/10W,TP,1608	1	SA		RC60	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,160	1	SA	
MR75	2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608	1	SA		RC61	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,160	1	SA	
MR76	2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608	1	SA		RC70	2203-005015	C-CER,CHIP:150nF,+80-20%,16V,Y5V,16	1	SA	
PCB	AH41-01056B	PCB;MM-DA20,EPOXY,4.0,0,1.6T,197*1	0.5	SNA		RC71	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,160	1	SA	
PCN1A	3711-005644	CONNECTOR-HEADER:BOX,8P,1R,2mm,SMD-	1	SA		RC72	2203-005148	C-CER,CHIP:100nF,10%,16V,X7R,TP,160	1	SA	
PL11	3301-001495	BEAD-SMD:120ohm,2012,2500mA,TP,115o	1	SA		RC9	2402-001096	C-AL,SMD:220UF,20%,16V,GP,TP,6.6X6.6	1	SA	
PL15	3301-001495	BEAD-SMD:120ohm,2012,2500mA,TP,115o	1	SA		RD2	0407-000116	DIODE-ARRAY;KDS181, DAP202K,80V,100	1	SA	
PL16	2007-000029	R-CHIP:0ohm,5%,1/8W,TP,2012	1	SA		REG1	1203-001255	IC-POSI.FIXED REG.:7805,D-PAK,3P,-	1	SA	
PL17	3301-001495	BEAD-SMD:120ohm,2012,2500mA,TP,115o	1	SA							

Exploded View & Part List

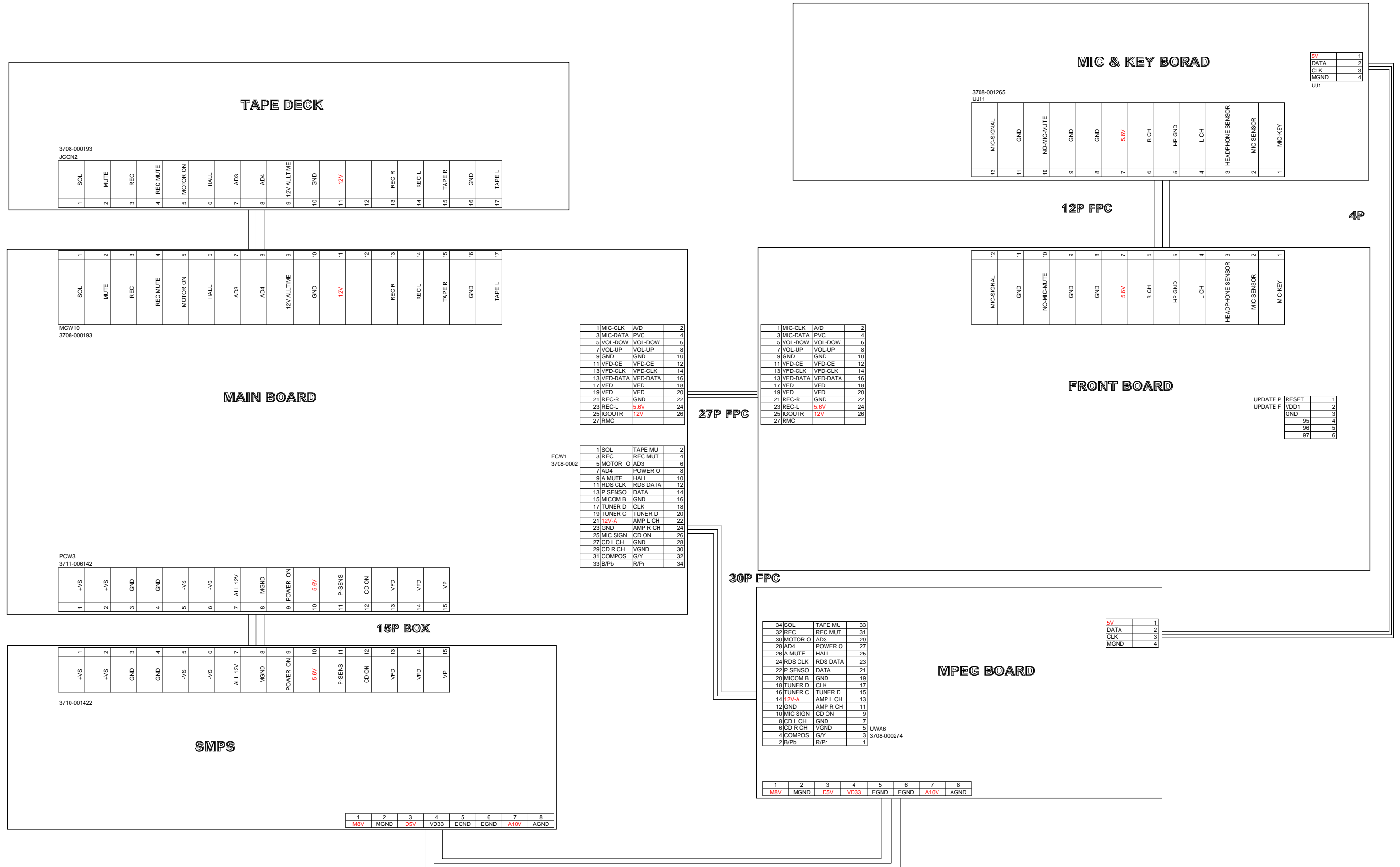
Loc. No.	Part No.	Description;Specification	Q'ty	SNA	Remark	Loc. No.	Part No.	Description;Specification	Q'ty	SNA	Remark
REG2	1203-002935	IC-POSI.ADJUST REG.;AIC1117ACE,TO-2	1	SA		RR67	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	SA	
RL1	3301-001069	BEAD-SMD;120ohm,1.6x0.8x0.8mm,200mA	1	SA		RR67A	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	SA	
RL10	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,1150	1	SA		RR68	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	SA	
RL11	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,1150	1	SA		RR68A	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	SA	
RL12	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,1150	1	SA		RR93	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	SA	
RL13	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,1150	1	SA		RR94	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	SA	
RL14	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,1150	1	SA		RR97	2007-000098	R-CHIP;56Kohm,5%,1/10W,TP,1608	1	SA	
RL2	3301-001069	BEAD-SMD;120ohm,1.6x0.8x0.8mm,200mA	1	SA		RR98	2007-000130	R-CHIP;39Kohm,5%,1/10W,TP,1608	1	SA	
RL3	2703-000185	INDUCTOR-SMD;3.3uH,10%,2012	1	SA		RR99	2007-000098	R-CHIP;56Kohm,5%,1/10W,TP,1608	1	SA	
RL4	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,1150	1	SA		UCN1	3711-005306	HEADER-BOARD TO CABLE;BOX,4P,1R,2MM	1	SA	
RL5	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,1150	1	SA		VC01	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
RL6	3301-001069	BEAD-SMD;120ohm,1.6x0.8x0.8mm,200mA	1	SA		VC02	2402-000167	C-AL,SMD;100uF,20%,10V,-,6.6x6.6x	1	SA	
RL7	3301-001069	BEAD-SMD;120ohm,1.6x0.8x0.8mm,200mA	1	SA		VC03	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
RL8	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,1150	1	SA		VC04	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
RL9	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,1150	1	SA		VC13	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,160	1	SA	
RR07	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA		VC16	2203-006348	C-CER,CHIP;1000nF,10%,25V,X5R,TP,16	1	SA	
RR10	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		VC17	2203-006348	C-CER,CHIP;1000nF,10%,25V,X5R,TP,16	1	SA	
RR100	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA		VC18	2203-006348	C-CER,CHIP;1000nF,10%,25V,X5R,TP,16	1	SA	
RR101	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	SA		VC19	2402-001049	C-AL,SMD;10uF,20%,16V,GP,TP,3.3x3.3	1	SA	
RR114	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA		VCN1	3711-005160	HEADER-BOARD TO CABLE;BOX,6P,1R,2mm	1	SA	
RR124	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	1	SA		VIC1	1204-001978	IC-VIDEO PROCESS;LA73054,-,36P,-,SS	1	SA	
RR13	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	1	SA		VL01	3301-001495	BEAD-SMD;120ohm,2012,2500mA,TP,1150	1	SA	
RR14	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	1	SA		VL02	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	1	SA	
RR15	2007-000087	R-CHIP;6.8Kohm,5%,1/10W,TP,1608	1	SA		VR01	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
RR23	2007-000124	R-CHIP;2.2Kohm,5%,1/10W,TP,1608	1	SA		VR05	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	SA	
RR24	2007-000458	R-CHIP;18Kohm,5%,1/10W,TP,1608	1	SA		VR06	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	SA	
RR26	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA		VR07	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	SA	
RR27	2007-000109	R-CHIP;1Mohm,5%,1/10W,TP,1608	1	SA		VR08	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	SA	
RR28	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	1	SA		VR09	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	SA	
RR29	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		VR10	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	SA	
RR30	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		VR11	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	SA	
RR33	2007-000120	R-CHIP;680ohm,5%,1/10W,TP,1608	1	SA		VR12	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	SA	
RR34	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA		VR21	2007-000125	R-CHIP;3.9Kohm,5%,1/10W,TP,1608	1	SA	
RR35	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		VR23	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
RR36	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		X1	2801-004284	CRYSTAL-SMD;27MHZ,10PPM,28-AAN,20PF	1	SA	
RR37	2007-000122	R-CHIP;1.2Kohm,5%,1/10W,TP,1608	1	SA		AH39-00994A	WIRE HARNESS;MM-DA25,UL1007#24TA,-,	1	SA		
RR38	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA		AH39-00996A	WIRE HARNESS;MM-DA25,-,4P,-,A	1	SA		
RR39	2007-000122	R-CHIP;1.2Kohm,5%,1/10W,TP,1608	1	SA		AH39-01006A	WIRE HARNESS;MM-DA25,UL1007#24TA,-,	1	SA		
RR40	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA		AH44-00186A	SMPS;MM-DA25,HECK DA25000-F,AC/DC,	1	SA		
RR41	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		AH97-01831A	ASSY DECK-DVD;SDM-D1FL,CMS-S75RBL,B	1	SA		
RR42	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA		AH99-10012L	ASSY AUTO INSERT-PCB-MPEG,-,MM-DA20	1	SNA		
RR43	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA		AH97-02632A	ASSY CABINET-BOTTOM;MM-DA25,-,MM-DA	1	SA		
RR44	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	SA		6003-001464	SCREW-TAPTITE;BH,+B,M3,L10,ZPC(WHT)	11	SNA		
RR54	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		AH61-02556A	HOLDER-SMPS;MM-DA25,SECC,T0.8,W149,	1	SA		
RR55	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		AH64-04519A	CABINET-BOTTOM;MM-DA25,SECC T0.8,T1	1	SNA		
RR56	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		AH65-30010A	CLAMP-WIRE;-,-,-,-,-,-,-,-	1	SNA		
RR57	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA		AH69-20031A	CUSHION-FOOT;-,-,-,BLK,-,T2.0,-,-,M	2	SNA		
RR58	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		AH97-02862M	ASSY MACHINERY-ACCESSORY;XAX,MM-DA2	1	SNA		
RR59	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA		6801-001634	CARD-REGISTRATION;Russia,XER,NWT,Ru	1	SNA		
RR60	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA		6801-001669	CARD-WARRANTY;RUSS,XER,RUS,SNOWWHIT	1	SNA		
RR61	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA		6902-000385	BAG PE;LDPE,T0.03,W250,L350,TRP,8,1	1	SA		
RR62	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		AH39-00320C	CBF COAXIAL CABLE;MAX-L68,110REC,-,	1	SA		
RR63	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	SA		AH39-40001V	CABLE-AUDIO CABLE;-,-,1P-1P,3000mm,	1	SA		
RR64	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	SA		AH68-02050P	MANUAL USERS;MM-DA25,XAA,ENG,-,MOJO	1	SA		
RR65	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA		AH68-50254B	LABEL-SERIAL;ART PAPER,T0.1,L10,W45	1.05	SNA		
RR65A	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA		AH81-02286C	A/S-EYEGLASS CLOTH;HT-TXQ120,POLY-B	1	SNA		
RR66	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA							
RR66A	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA							

Loc. No.	Part No.	Description;Specification	Q'ty	SNA	Remark	Loc. No.	Part No.	Description;Specification	Q'ty	SNA	Remark
	AH97-02879H	ASSY MACHINERY-MAIN OTHER;SIM,MM-DA	1		SNA						
	3809-001325	CABLE-FLAT;30V,80C,120MM,6P,1.25MM,	1		SA						
	3809-001377	FPC CABLE-FLAT;30V,80C,150MM,27P,1.	1		SA						
	3809-001972	CABLE-FLAT;30V,80,120mm,12P,1.25mm,	1		SA						
	AH63-01301A	SHEET-SET;HT-Q40,-,-,-,-,-,-,-	1		SNA						
	AH65-30010A	CLAMP-WIRE;-,-,-,-,-,-,-,-	1		SNA						
	AH68-00371A	LABEL-BAR CODE;DVD-611/XAA,-,MOJO20	1.05		SNA						
	AH68-01929G	LABEL RATING;HT-A100,XTL,SLIVER PET	1.05		SNA						
	AH68-01984A	MANUAL-CLEANING;HT-X200,-,-,-,ART P	1		SNA						
	AH68-02085C	LABEL-POP;MM-DA25,EUR,RAINBOW SHEET	1		SA						
	AH39-00257A	CBF-POWER CORD;Z-88,-,CP2,250V,2.5A	1		SA						
	AH59-01960B	REMOCON-ASSY;MM-DA25 REMOCON,NO TA	1		SA						
	AH69-02149A	MASTER CARTON;MM-DA25,PAPER,T7,W451	1		SA						

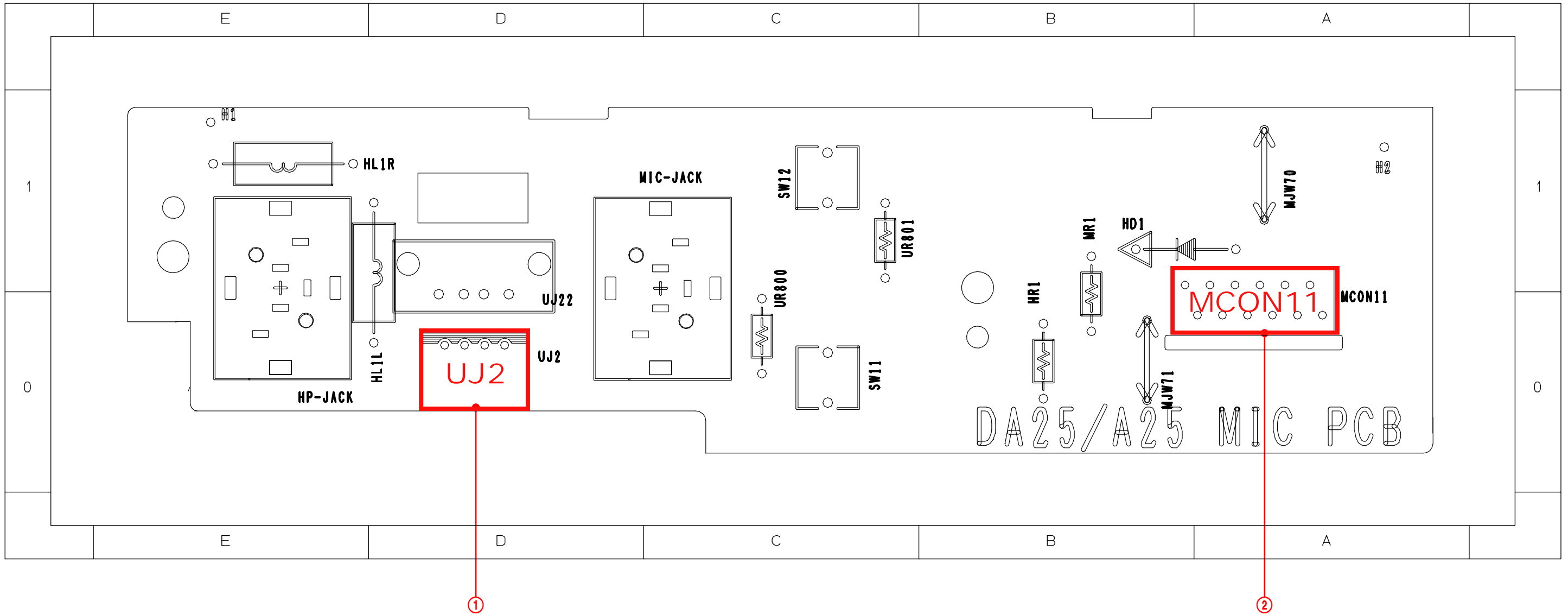
6. PCB Diagram

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6-1 Wiring Diagram



6-2 MIC PCB Top



6-2-1 Pin Connection

① UJ2

USB Signal Connector

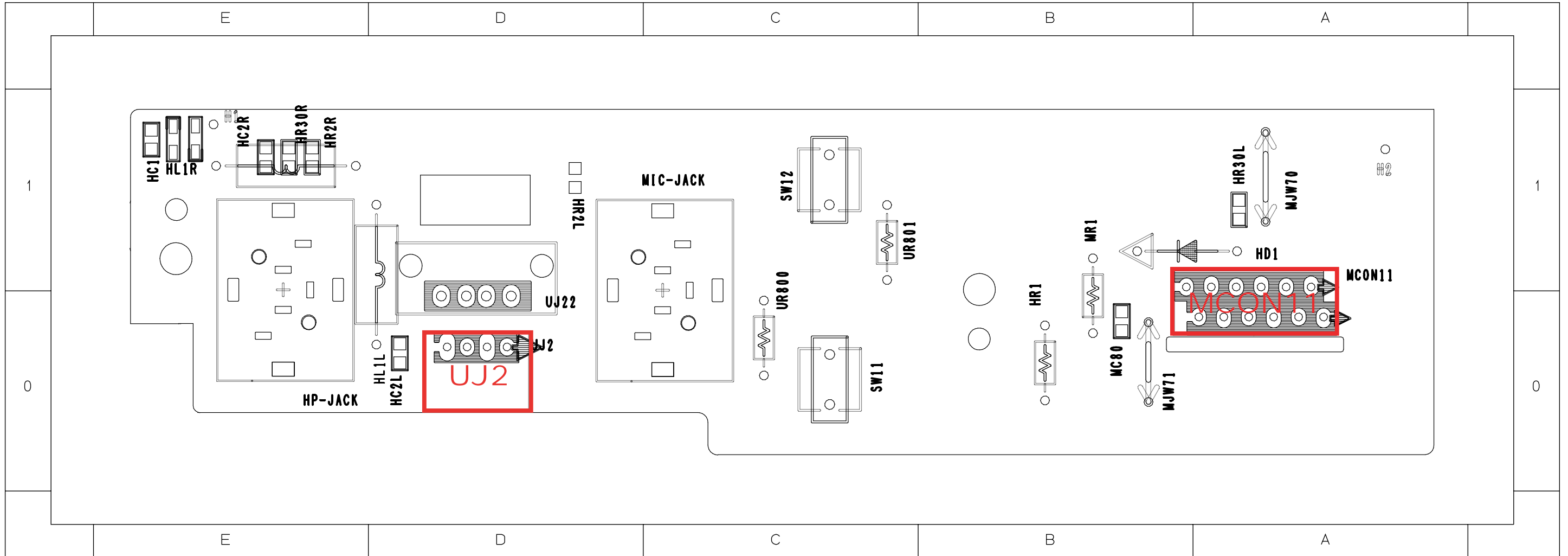
Pin No.	Signal
1	+5V
2	USB_D-
3	USB_D+
4	GND

② MCON11

MIC/HP Signal Connector

Pin No.	Signal
1	MIC-KEY
2	MIC-SENS
3	HP_SENS
4	HP_LCH
5	GND
6	HP_RCH
7	5.6V
8	GND
9	GND
10	NC-GND
11	GND
12	MIC-SIGNAL

6-3 MIC PCB Bottom



6-4-1 Pin Connection

① MCW1

Signal Connector

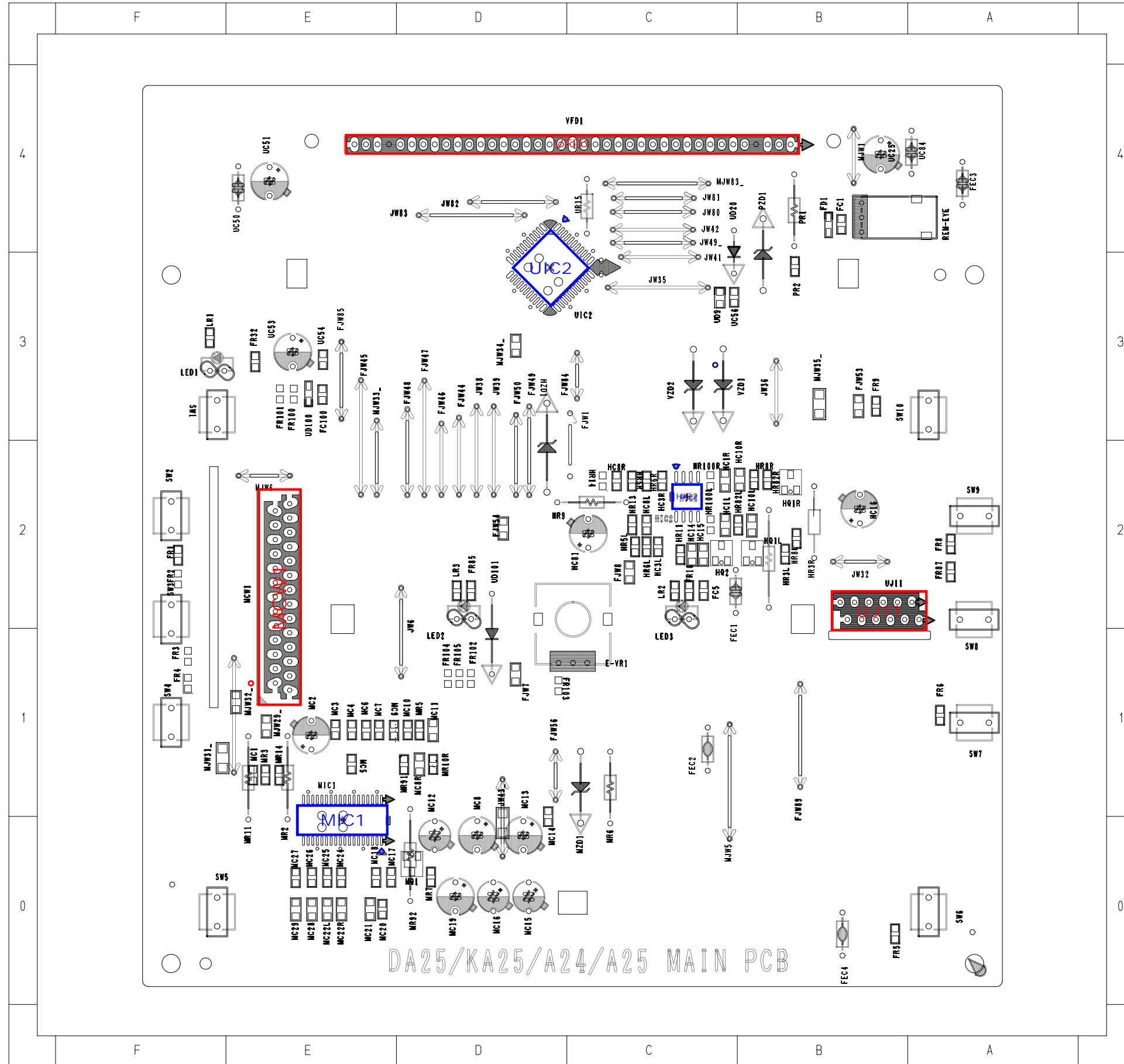
Pin No.	Signal
1	RMC
2	AD
3	MIC-SIG
4	GND
5	GND
6	GND
7	GND
8	MIC-SENS
9	HP-SENS
10	FUNCTION_L
11	GND
12	FUNCTION_R
13	-12V
14	12V
15	5.6V
16	GND
17	-VP
18	+VFD
19	-VFD
20	VFD_DATA
21	VFD_CLK
22	VFD_CE
23	GND
24	VOL_UP
25	VOL_DOWN
26	MIC_DATA
27	MIC_CLK

② UJ11

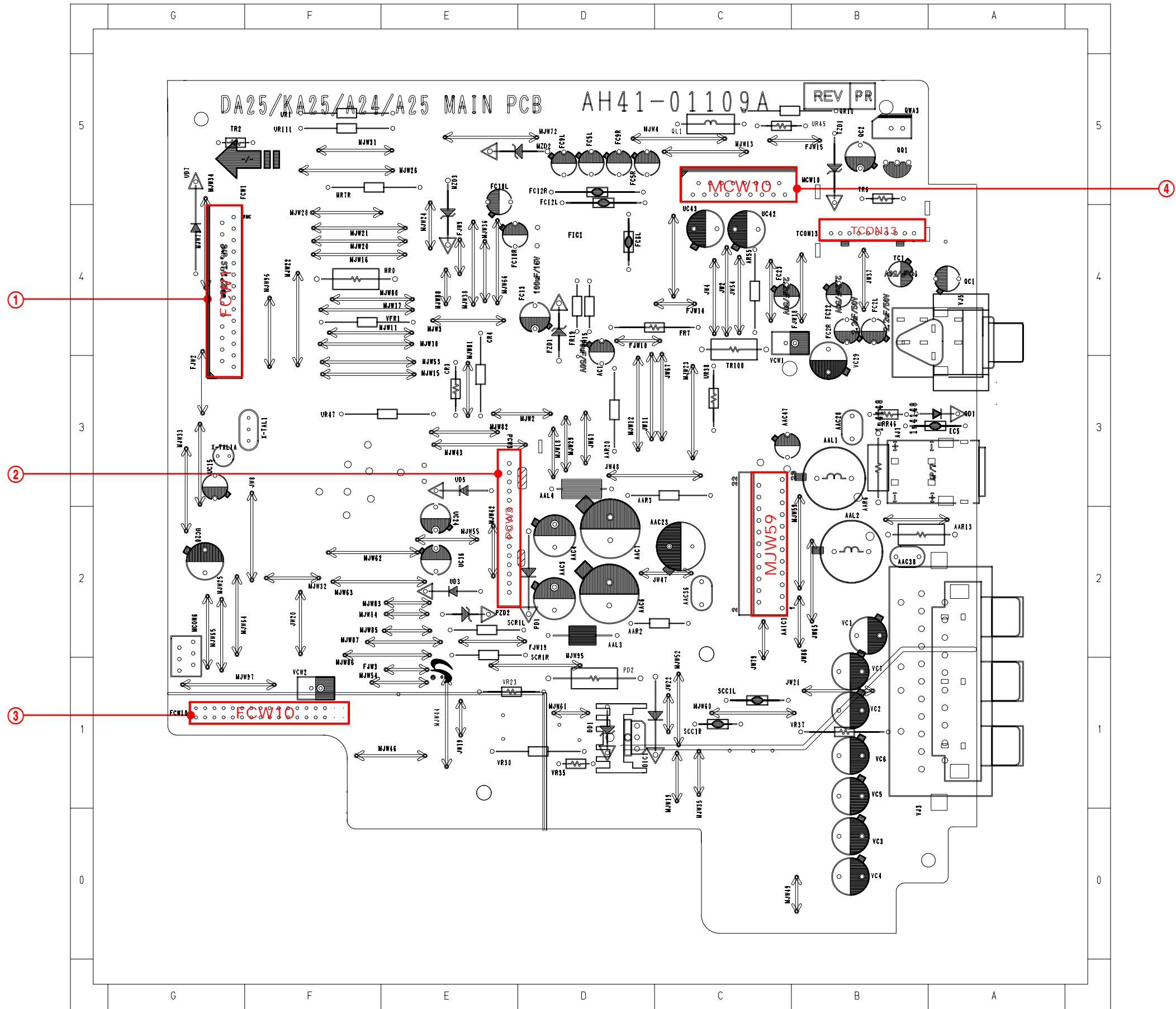
MIC/HP Signal Connector

Pin No.	Signal
1	MIC-KEY
2	MIC-SENS
3	HP_SENS
4	HP_LCH
5	GND
6	HP_RCH
7	5.6V
8	GND
9	GND
10	NC-GND
11	GND
12	MIC-SIGNAL

6-5 FRONT PCB Bottom



6-6 MAIN PCB Top



6-6-1 Pin Connection① FCW1
Signal Connector

Pin No.	Signal
1	RMC
2	AD
3	MIC-SIG
4	GND
5	GND
6	GND
7	GND
8	MIC-SENS
9	HP-SENS
10	FUNCTION_L
11	GND
12	FUNCTION_R
13	-12V
14	12V
15	5.6V
16	GND
17	-VP
18	+VFD
19	-VFD
20	VFD_DATA
21	VFD_CLK
22	VFD_CE
23	GND
24	VOL_UP
25	VOL_DOWN
26	MIC_DATA
27	MIC_CLK

② PCW3
POWER LINE Connector

Pin No.	Signal
1	+AMP
2	+AMP
3	GND
4	GND
5	-AMP
6	+AMP
7	+12V
8	GND
9	P.ON
10	5.6V
11	P/S
12	PC2
13	-VFD
14	+VFD
15	-VP

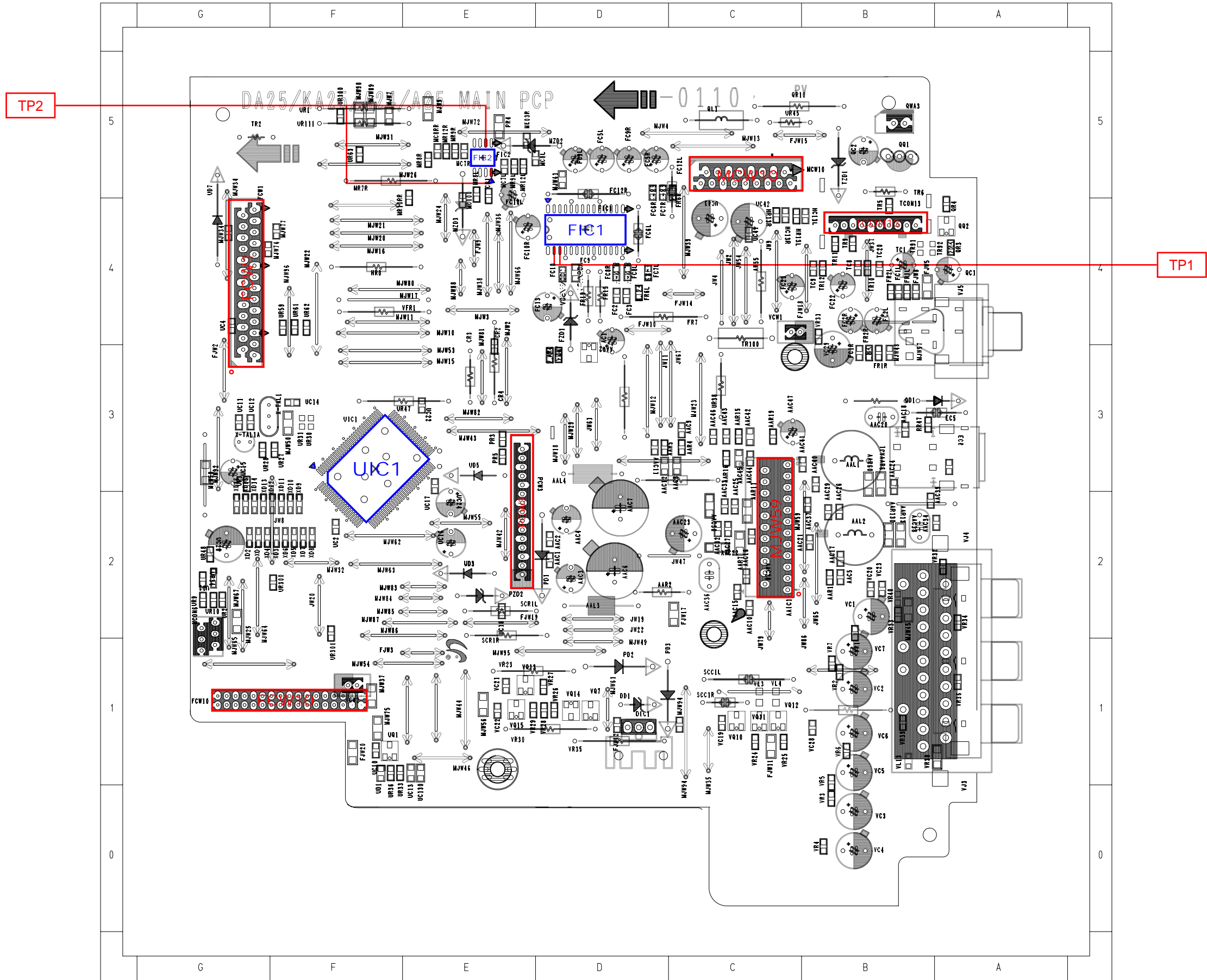
③ FCW10
CD/DVD Signal Connector

Pin No.	Signal
1	RESERVE/U_STB
2	U_RST/U-ACK
3	U_DIN/P-MRST
4	U_DO/I2CDATA
5	U_CANCEL/U_RXD
6	U-IN/DAC
7	U-MUTE/I2CCLK
8	DSP-CE/NC
9	CD-RST/
10	CD-MUTE
11	CLOSE-SW
12	OPEN-SW
13	CD-CLOSE
14	CD-OPEN
15	DSP-CLK
16	DSP-DIN
17	DSP-DO
18	GND
19	CD-RST
20	GND
21	CD-L
22	GND
23	D5V
24	MGND
25	GND
26	VIDEO_Y
27	VIDEO_PB
28	VIDEO_PR
29	CVBS1
30	GND

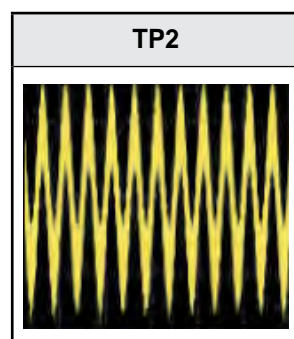
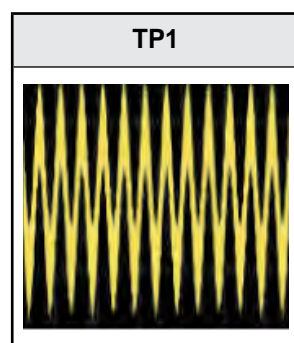
④ MCW10
Tape Signal Connector

Pin No.	Signal
1	L_CH
2	GND
3	R_CH
4	REC_L
5	REC_R
6	NC
7	12V
8	GND-M
9	M12V
10	HALF
11	RECF/R
12	HALL
13	MOTOR ON
14	REC_MUTE
15	REC_ON
16	TAPE_MUTE
17	SOL

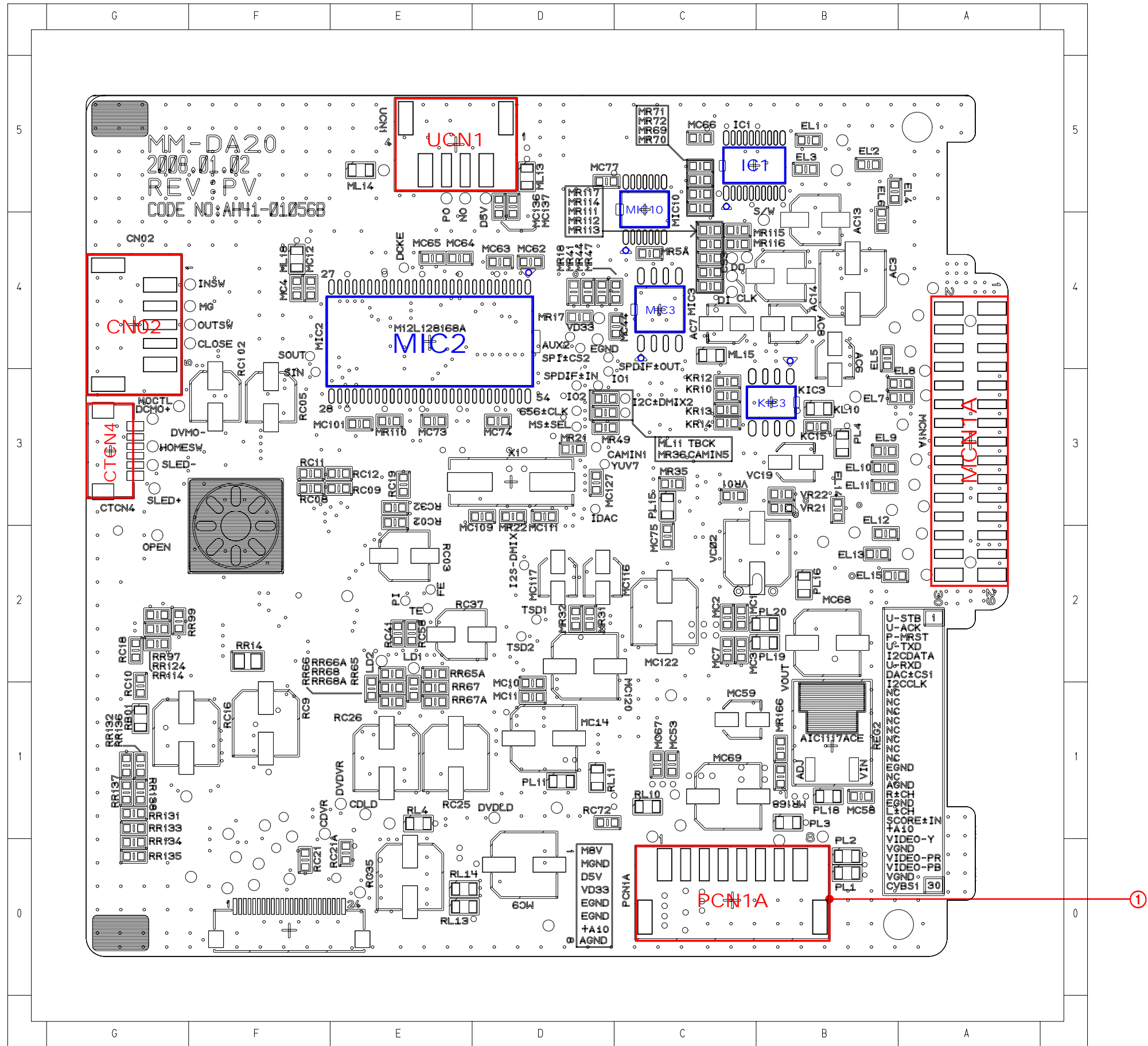
6-7 MAIN PCB Bottom



6-7-1 Test Point Wave Form



6-8 MPEG PCB Top



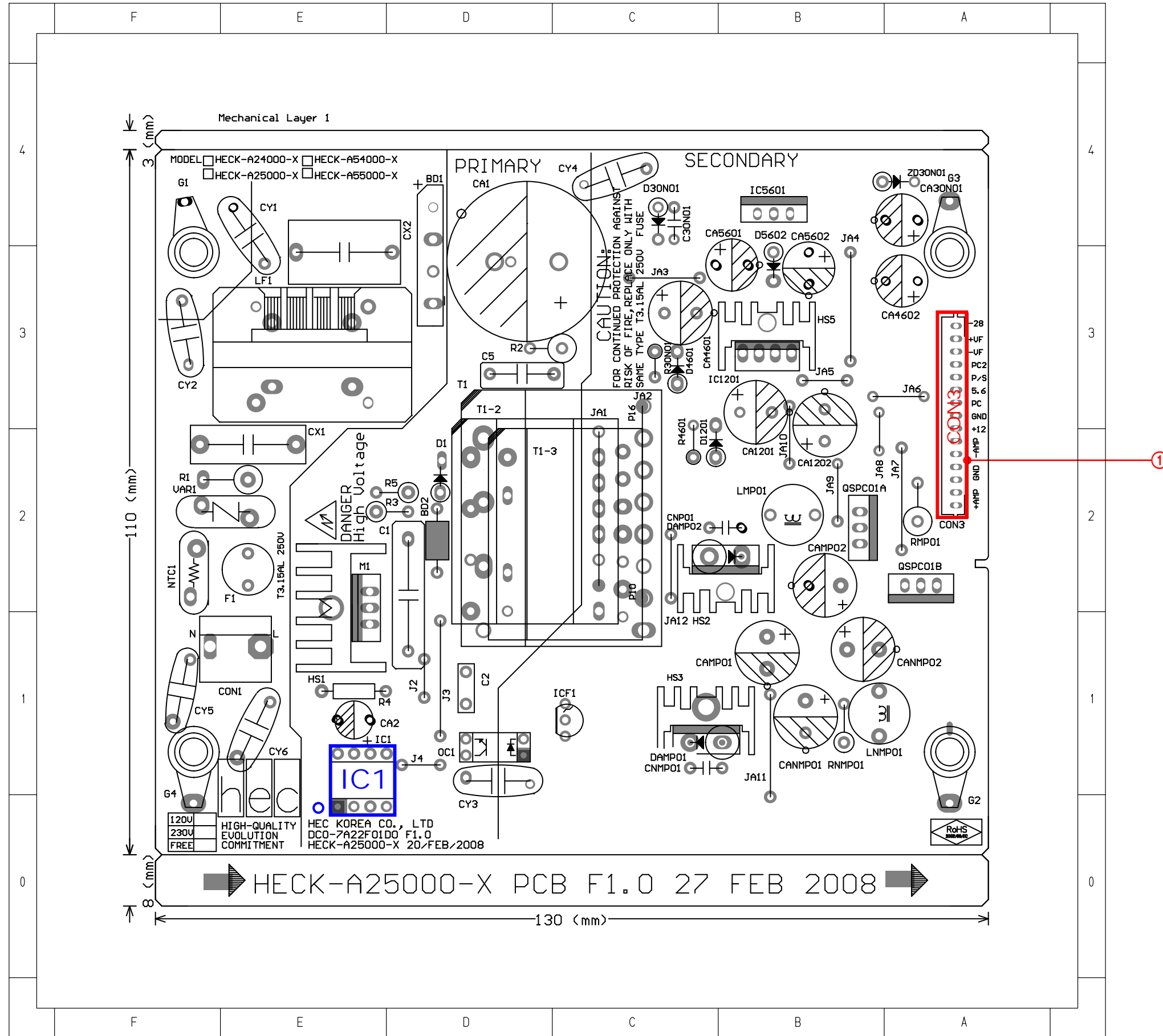
6-8-1 Pin Connection

① PCN1A

DVD POWER LINE Connector (DA25)

Pin No.	Signal
1	M8V
2	GND
3	D5V
4	D3.3V
5	DGND
6	DGND
7	A10V
8	GND

6-10 SMPS PCB Top

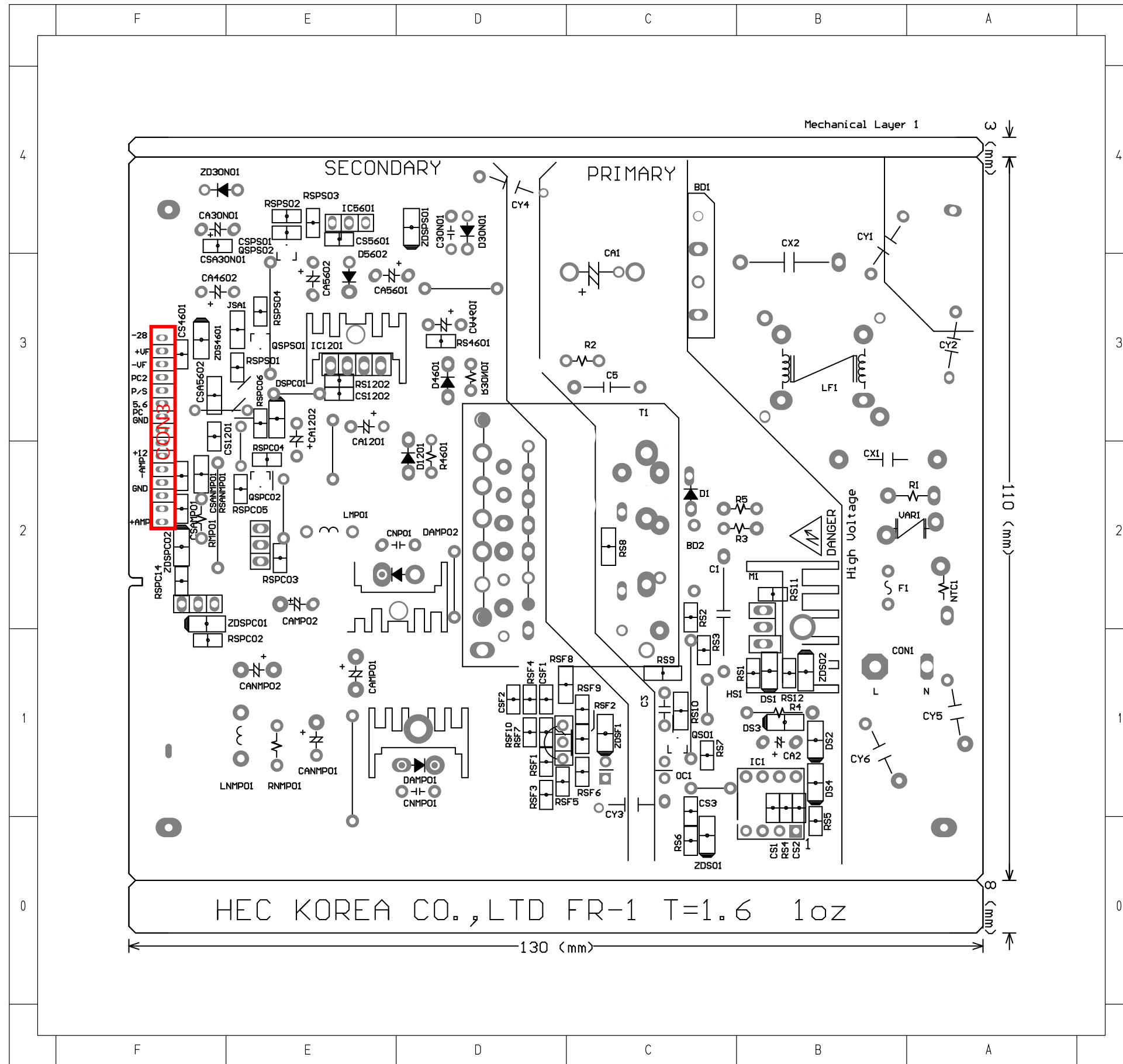


6-10-1 Pin Connection

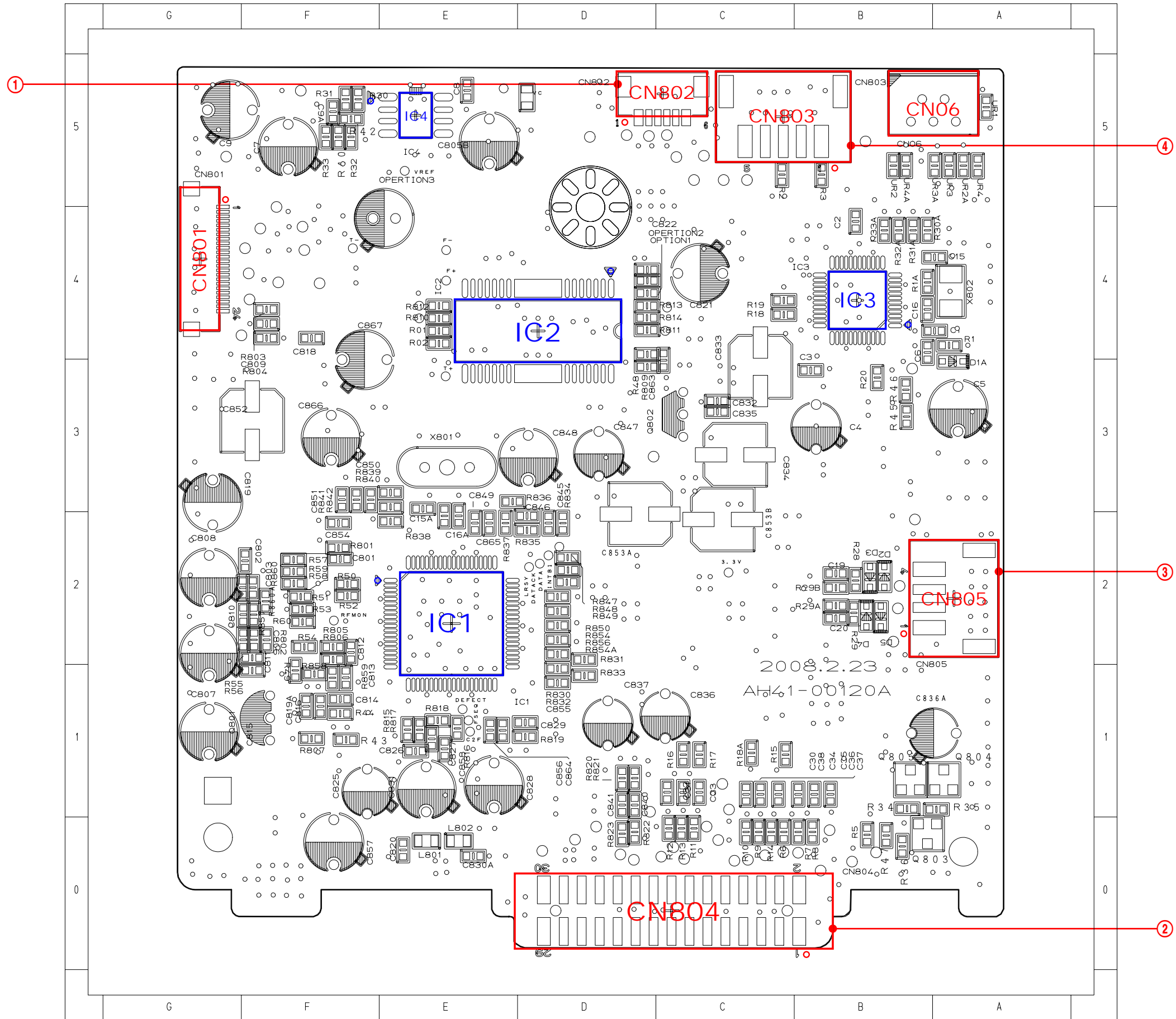
① CON3
POWER LINE Connector

Pin No.	Signal
1	+AMP
2	+AMP
3	GND
4	GND
5	-AMP
6	+AMP
7	+12V
8	GND
9	P.ON
10	5.6V
11	P/S
12	PC2
13	-VFD
14	+VFD
15	-VP

6-11 SMPS PCB Bottom



6-12 CD PCB Top



6-12-1 Pin Connection

① CN802

MECHA Control Connector

Pin No.	Signal
1	SP+
2	SP-
3	LMT
4	GND
5	SL-
6	SL+

② CN804

CD Signal Connector

Pin No.	Signal
1	RESERVE
2	U_RST
3	U_DIN
4	U_DO
5	U_CANCEL
6	U-IN
7	U-MUTE
8	DSP-CE
9	CD-RST
10	CD-MUTE
11	CLOSE-SW
12	OPEN-SW
13	CD-CLOSE
14	CD-OPEN
15	DSP-CLK
16	DSP-DIN
17	DSP-DO
18	GND
19	CD-RST
20	GND
21	CD-L
22	GND
23	D5V
24	MGND
25	GND
26	VIDEO_Y
27	VIDEO_PB
28	VIDEO_PR
29	CVBS1
30	GND

③ CN805

USB Signal Connector

Pin No.	Signal
1	+5V
2	USB_D-
3	USB_D+
4	GND

④ CN803

MECHA Control Connector

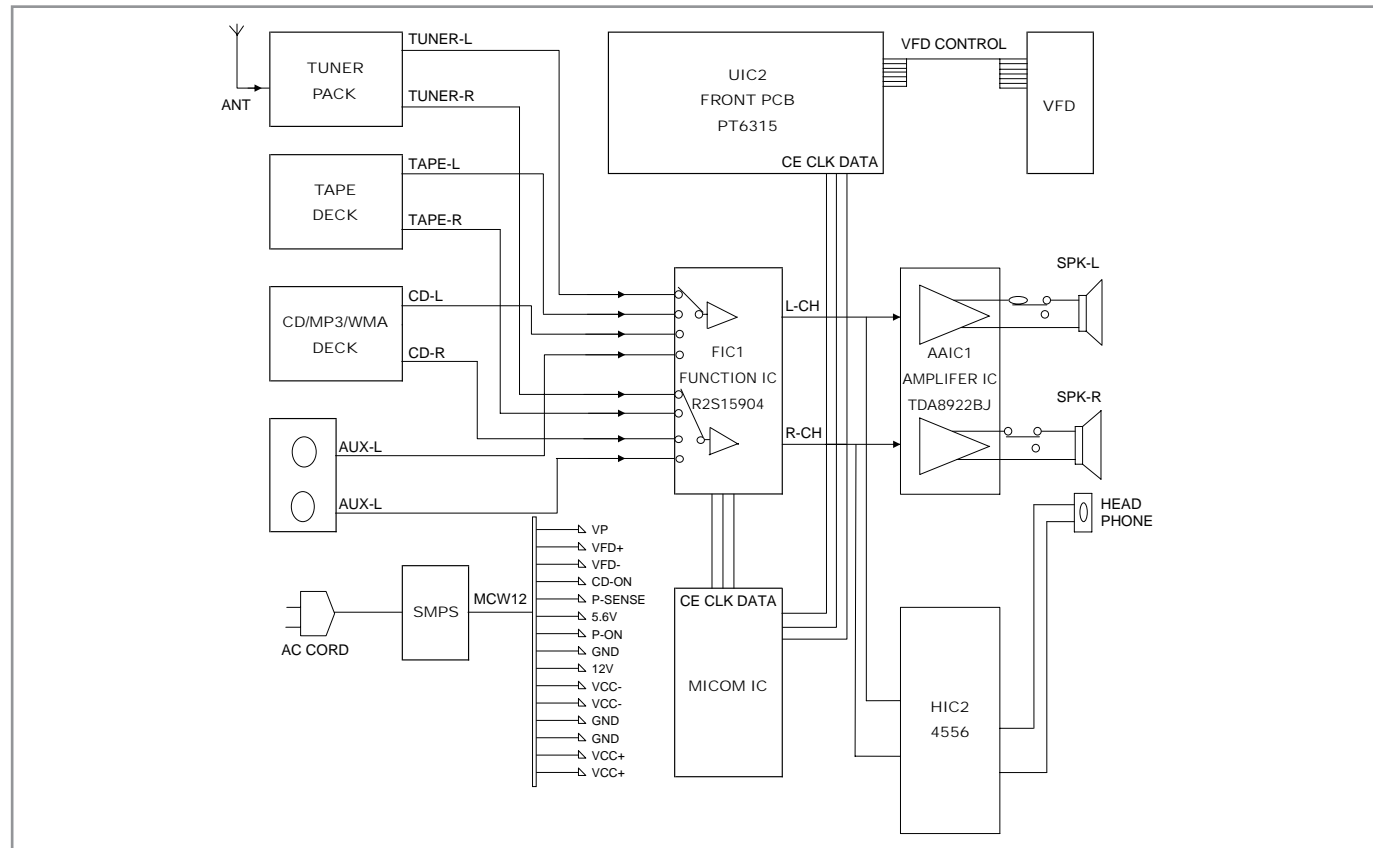
Pin No.	Signal
1	INSW
2	GND
3	OUT-SW
4	CLOSE
5	OPEN

7. Schematic Diagram

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7-8 1 DISC CD	7-9

7-1 Overall Block Diagram

■ A24/A25 Block Diagram



- Main System MICOM control Function IC (R2S15904), Tuner pack, Tape deck IC (HA12237F), CD/DVD DECK. It gets all information from R2S15904. They have a communication among them with the HOST ↔ SLAVE interface. And Main System MICOM gets the information from User's remote control. So whenever it gets the information, it displays it on the VFD.

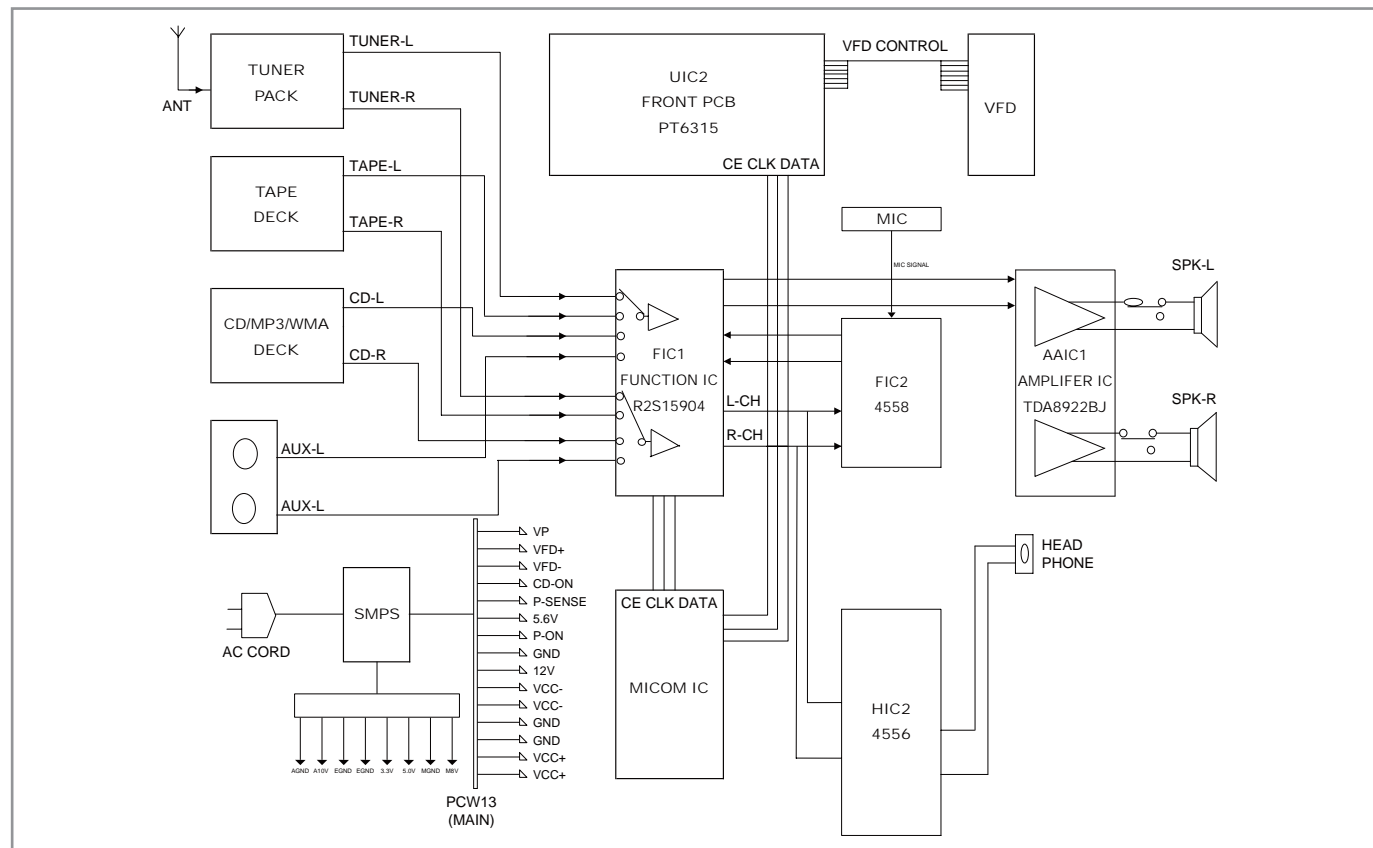
- PCW3 on MAIN PCB gets power from SMPS;

- PCN1A on DVD PCB gets power from SMPS;

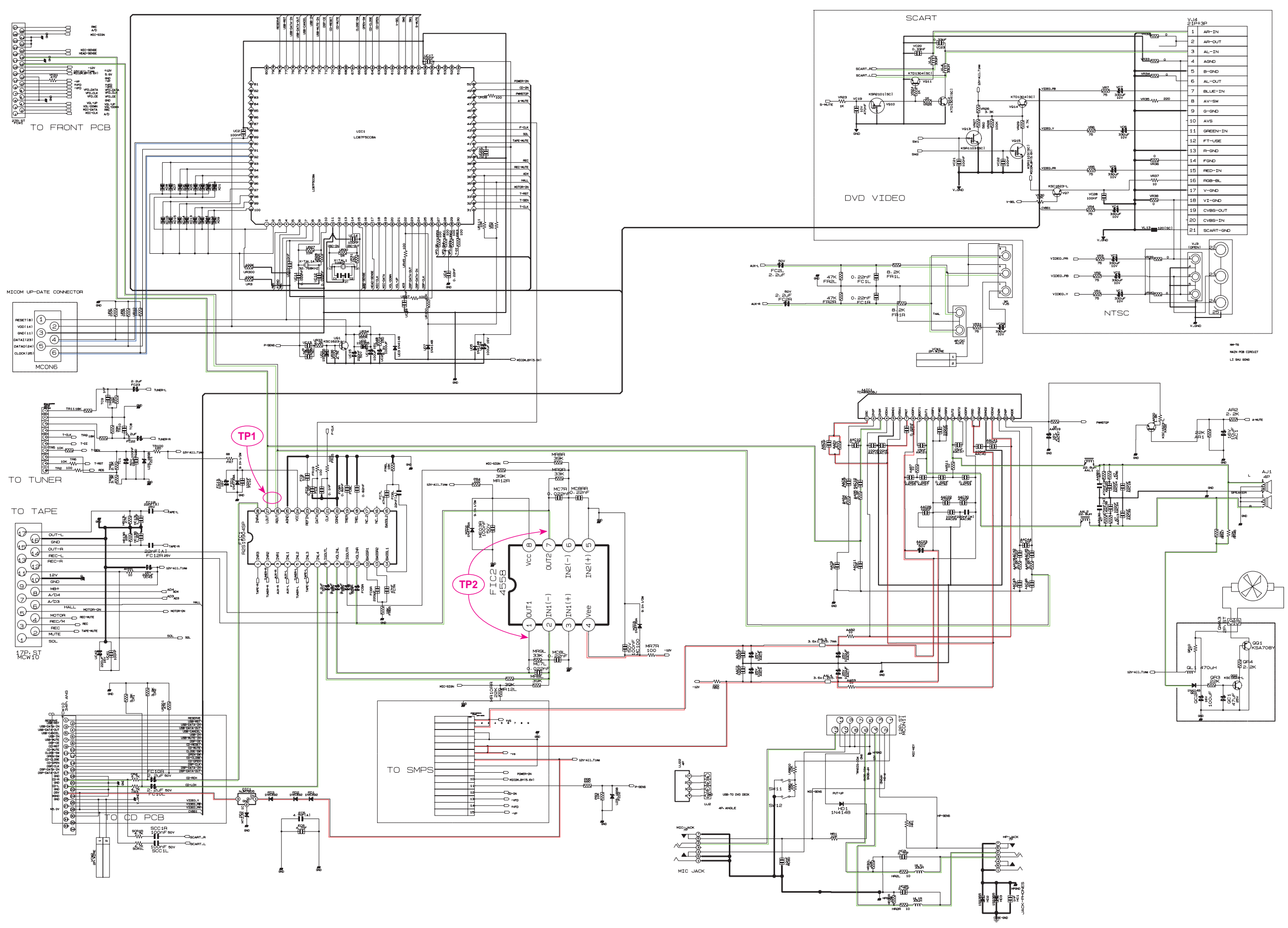
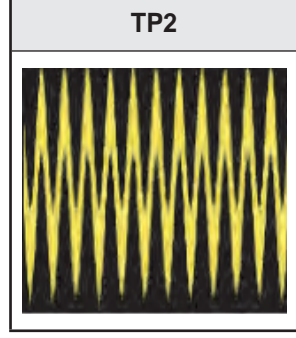
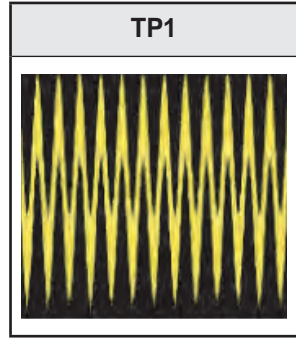
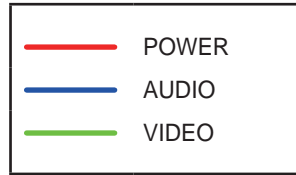
- The CD Deck, Tape Deck, AUX Jack and Tuner Pack GND are each connected to Function IC (R2s15904). Then GND after processing. The Data will be sent to AMP IC VCC+ (AAIC1).

- Headphone IC (4556) gets signal from Function and output it to H/P JACK.

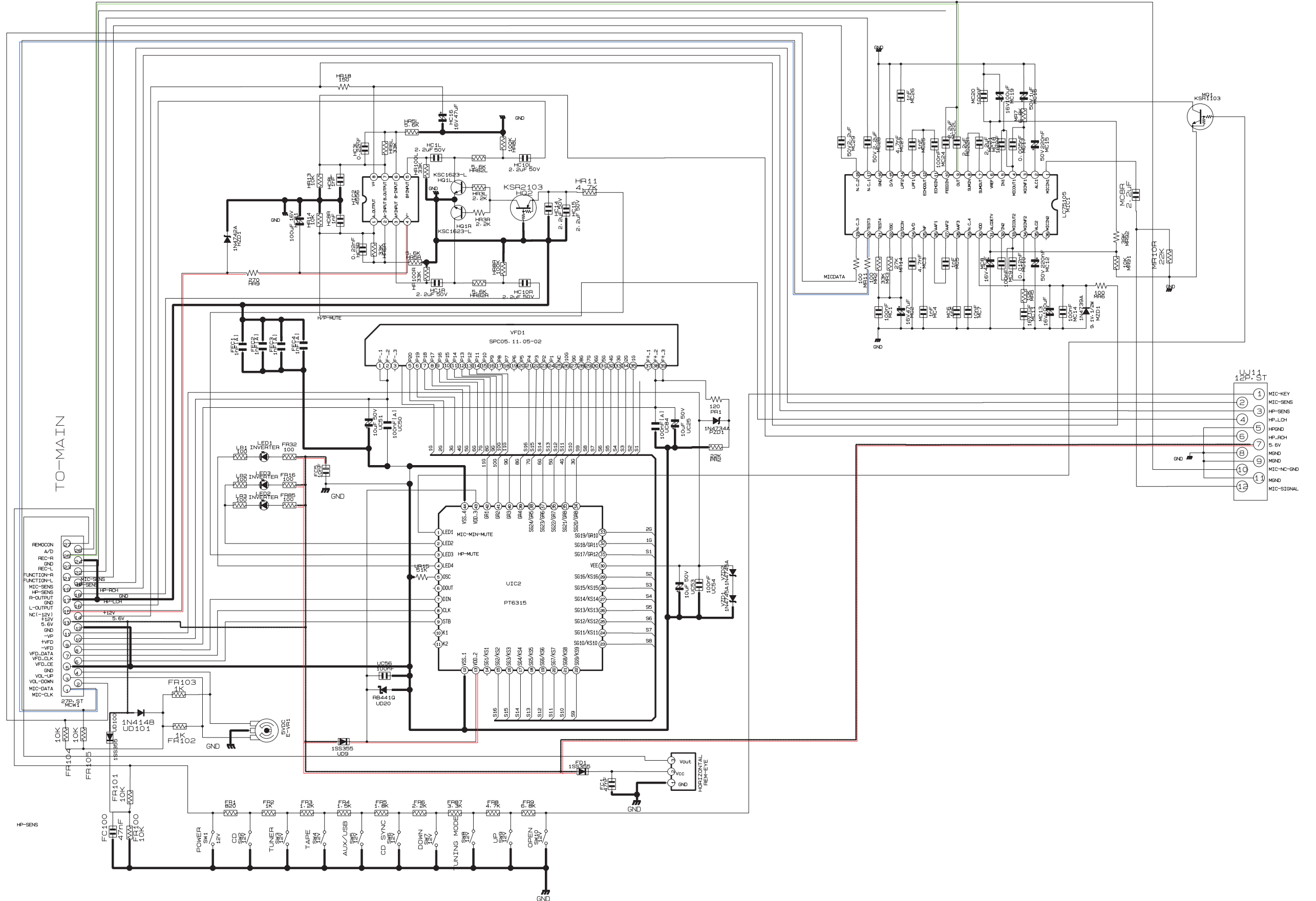
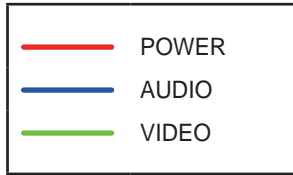
■ DA25 Block Diagram



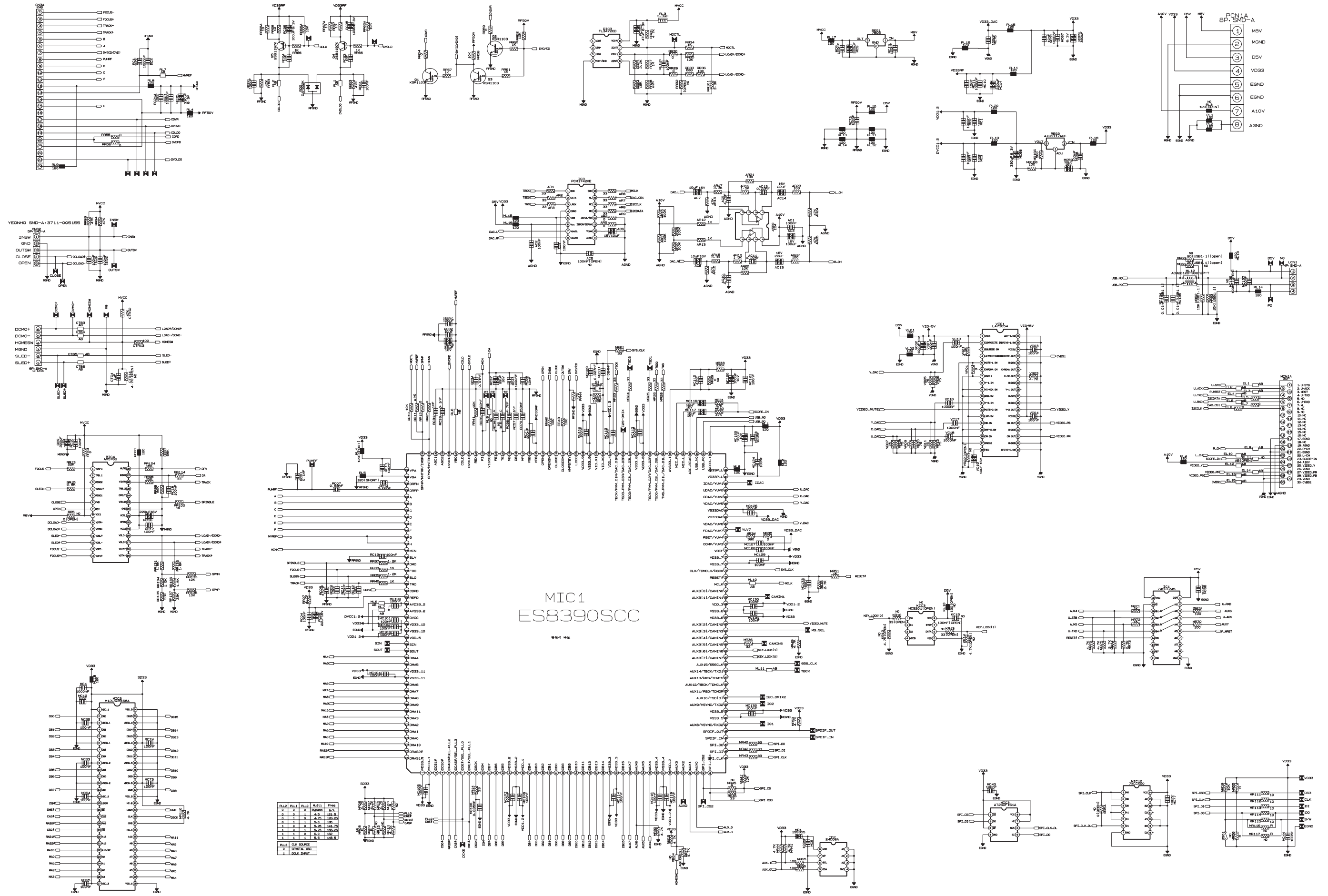
7-2 MAIN-1



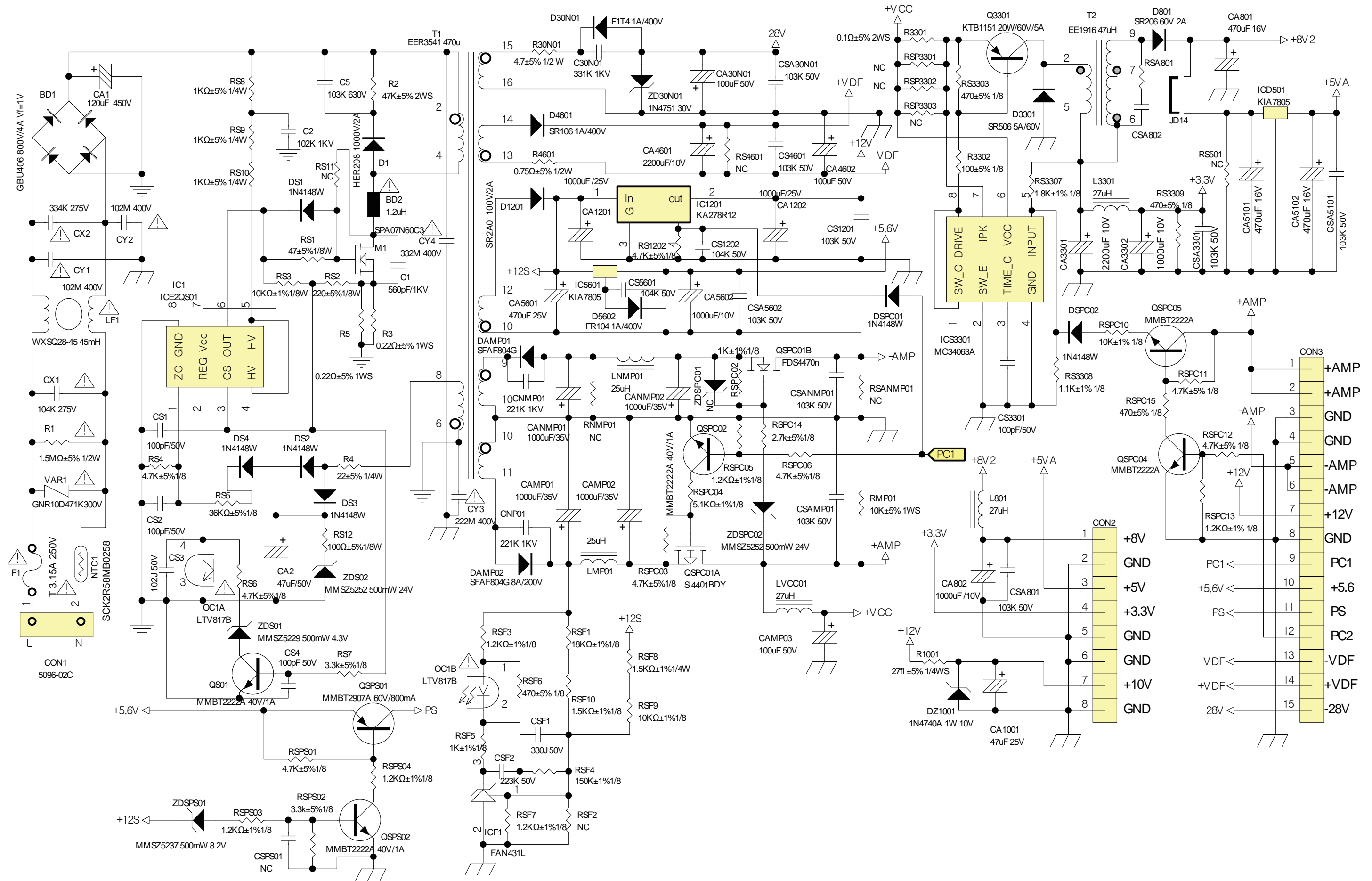
7-3 MAIN-2



7-4 MPEG

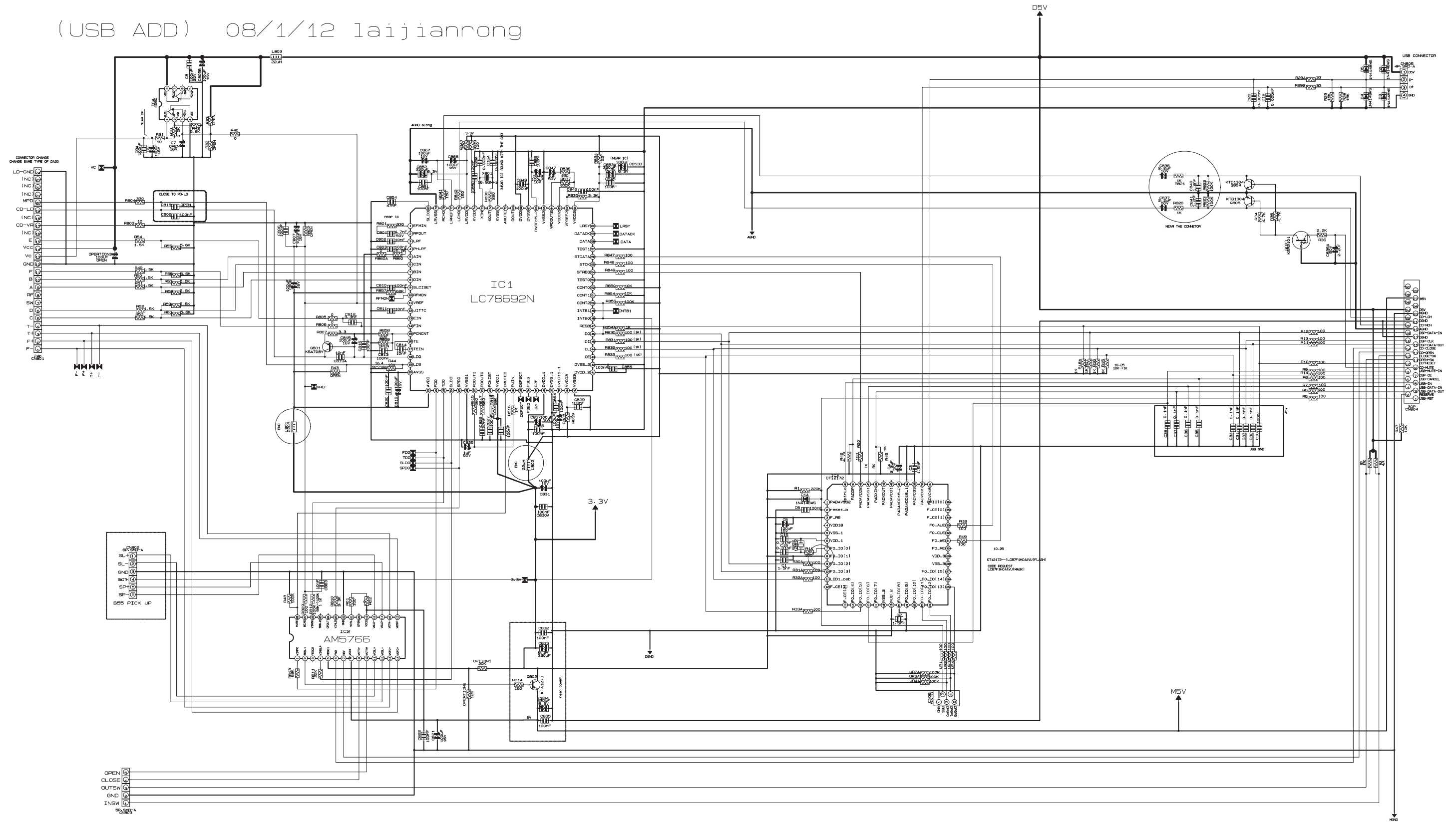


7-7 SMPS (MM-DA25)



7-8 1 DISC CD

1 DISC CD CIRCUIT
(USB ADD) 08/1/12 laijianrong



DRAWING 시 주의사항

1. CLOSE TO IC1 AND R805, R806
2. CLOSE TO CNB01 AND IC1
3. VC PATTERN 0.7MM