

# Service Manual



Model No. **CQ-5109U**

MP3 CD Player/Weather Band Receiver  
SiriusXM Ready



## **⚠ WARNING**

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

## **IMPORTANT SAFETY NOTICE**

There are special components used in this equipment which are important for safety. These parts are marked by **⚠** in the Schematic Diagrams, Circuit Board Diagrams, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire or other hazards. Do not modify the original design without permission of manufacturer.

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# 1 Service Navigation

## 1.1. About Lead Free Solder(PbF)

Distinction of PbF PCB

- PCBs(manufacture)using lead free solder will have a PbF stamp on the PCB.

### Caution

- Pb free solder has a higher melting point than standard solder; Typically the melting point is 50 - 70°F (30 - 40°C) higher. Please use a soldering iron with temperature control and adjust it to 700 ± 20°F (370 ± 10°C). In case of using high temperature soldering iron, please be careful not to heat too long.
- Pb free solder will tend to splash when heated too high (about 1100°F/600°C)

## 1.2. Laser Products

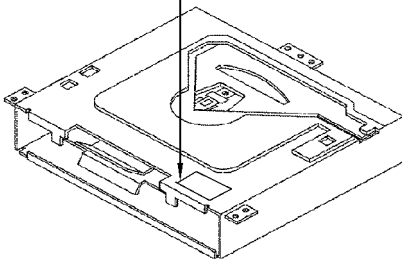
### CAUTION:

This product utilizes a laser diode with the unit turned "on", laser radiation is emitted from the pickup lens.

Laser radiation from the pickup lens is safety level, but be sure the followings:

1. Do not disassemble the optical pickup unit, since radiation from exposed laser diode is dangerous.
2. Do not adjust the variable resistor on the pickup unit. It was already adjusted.
3. Do not look at the focus lens using optical instruments.
4. Recommend not to look at pickup lens for a long time.

**DANGER!** Invisible laser radiation when open.  
Avold direct exposure to beam.



Deck Ass'y (Upper Side)

**Caution**  
This Product utilizes a laser.  
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

## 1.3. Replacing the Fuse

Use fuses of the same specified rating (15A). Using different substitutes or fuses with higher ratings, or connecting the product directly without a fuse, could cause fire or damage to the stereo unit.

## 1.4. Maintenance

Your products is designed and manufactured to ensure a minimum of maintenance. Use a dry, a soft cloth for routine exterior cleaning. Never use benzine, thinner or other solvents.

## 1.5. Notes

### [RADIO BLOCK]

Do not align the AM/FM package block. When the package block is necessary, it will be supplied already aligned at the factory.

### [CD DECK BLOCK]

This model has no servo alignment points because microcomputer controls the servo circuit.

## 2 Specifications

### 2.1. Specifications

#### General

Power supply :	12 V DC (11 V - 16 V), Test Voltage 14.4 V, Negative ground
Current Consumption :	Less than 2.5 A (CD mode, 0.5 W 4-speaker)
Maximum Power Output :	45 W × 4 channels at 400 Hz, Vol- ume Control Maximum
Tone adjustment range :	Bass : ± 12 dB at 100 Hz Treble : ± 12 dB at 10 kHz
Power Output :	18 W per channel into 4Ω, 40 to 30,000 Hz at 3 % THD
Suitable Speaker Impedance :	4-8 Ω
Dimensions (W x H x D) :	178(W) × 50(H) × 160(D) mm {7" x 1-15/16" x 6-5/16"}
Weight :	1.4 kg {3 lbs. 1 oz.}

#### Front AUX Input

Input impedance :	10 kΩ
Maxium input level :	2.0 V
Connector :	3.5 mm stereo mini pin
Input sensitivity :	200 mVrms

#### FM Stereo Radio

Frequency Range :	87.9 - 107.9 MHz
Usable Sensitivity :	12 dBf. (1.1 μV/ 75 Ω, S/N 30 dB)
50 dB Quietng Sensitivity :	17 dBf. (1.8 μV/ 75 Ω)
Frequency Response :	30 - 15,000 Hz ± 3 dB
Alternate Channel Selectivity :	75 dB
Stereo Separation :	35 dB at 1 kHz
Signal/Noise Ratio :	70 dB (Mono)

#### AM Radio

Frequency Range :	530 kHz - 1710 kHz
Usable Sensitivity :	28 dB/μV (25μV, S/N 20 dB)

#### Weather Band Radio

Frequency range :	162.400 - 162.550 MHz
Usable sensitivity :	3 dB/μV (S/N 20 dB)
Signal/Noise Ratio (40 dB/μV) :	50 dB

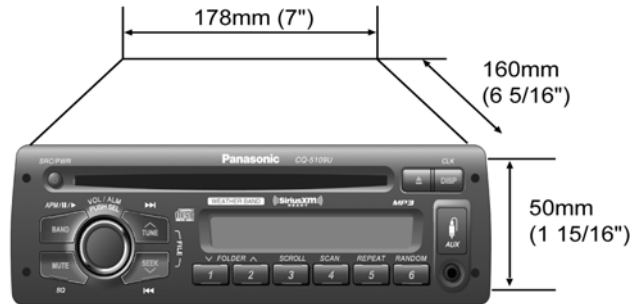
#### CD Player

Sampling Frequency :	8 times oversampling
DA Converter :	1 bit DAC System
Pick-Up Type :	Astigma 3-beam
Light Source :	Semiconductor Laser
Wavelength :	790 nm
Frequency Response :	20 - 20,000 Hz (±1 dB)
Signal to Noise Ratio :	96dB
Wow and Flutter :	Below measurable limits
Channel Separation :	75 dB

Specifications and the design are subject to modification without notice due to improvements in technology.

Some figures and illustrations in this manual may be different from your product.

### 2.2. Dimensions



## 3 Features

- Front AUX input terminal.
- Sound quality control.
- SiriusXM Satellite Radio
- Alarm function

# 4 Technical Descriptions

## 4.1. Main Block IC601:YEAM87835109

Pin. No.	Port	Description	I/O	FM(V)	AM(V)	CD(V)
1	DBGP0	On chip Debug port0.	-	0	0	0
2	DBGP1	On chip Debug port1.	-	0	0	0
3	DBGP2	On chip Debug port2.	-	0	0	0
4	N.C	Not connection.	O	0	0	0
5	REMO_IN	REMO signal Input.	I	4.34	4.34	4.35
6	N.C	Not connection.	O	0	0	0
7	N.C	Not connection.	O	0	0	0
8	RESET	Reset signal input.	I	5.18	5.18	5.19
9	XT1	Main crystal 1 (32.768KHz) connected.	I	1.57	1.57	1.57
10	XT2	Main crystal 2 (32.768KHz) connected.	O	2.24	2.23	2.24
11	VSS	GND	-	0	0	0
12	CF1	Crystal (13.5MHz) connected.	I	2.51	2.52	2.53
13	CF2	Crystal (13.5MHz) connected.	O	2.48	2.50	2.51
14	VDD	VDD +5V	-	5.18	5.18	5.19
15	N.C(INIT_A)	Initial setup A.	I	5.16	5.16	5.17
16	N.C	Not connection.	O	0	0	0
17	N.C	Not connection.	O	0	0	0
18	N.C	Not connection.	O	0	0	0
19	N.C(INIT_C)	Initial setup C.	I	0	0	0
20	N.C	Not connection.	O	0	0	0
21	MODE_B	Rotary signal B input.	I	4.10	4.10	4.11
22	MODE_A	Rotary signal A input.	I	4.07	4.07	4.09
23	LCD_DI	LCD data output.	O	5.04	4.98	4.99
24	LCD_DO	LCD data input.	I	4.81	4.81	4.82
25	LCD_CLK	LCD clock signal.	O	5.04	5.03	5.04
26	N.C	Not connection.	O	0	0	0
27	N.C	Not connection.	O	0	0	0
28	N.C	Not connection.	O	0	0	0
29	LCD_CE	LCD chip enable.	O	0	0	0
30	N.C	Not connection.	O	0	0	0
31	CD_EM(LM+)	CD eject control signal.	O	0	0	0
32	CD_LM(LM-)	CD loading control signal.	O	0	0	0
33	CD_SW1	CD insert detection SW 1.	I	0	0	0
34	CD_SW2	CD insert detection SW 2.	I	5.16	5.16	0
35	N.C	Not connection.	O	0	0	0
36	CD_S/L	CD motordriver IC channel select signal.	O	5.18	5.18	5.19
37	CD_DMUTE	CD motor driver IC action control signal.	O	0	0	5.18
38	N.C	Not connection.	O	0	0	0
39	VSS	GND	-	0	0	0
40	VDD	VDD +5V	-	5.18	5.18	5.19
41	CD_MUTE	CD DSP mute detection.	I	0	0	4.97
42	SUB_READY	CD DSP addressing statusdetection 1.	I	4.96	4.96	4.81
43	REG_READY	CD DSP addressing statusdetection 2.	I	4.96	4.96	0
44	CD_LIMIT_SW	CD insert detection limit SW.	I	0	0	4.98
45	N.C	Not connection.	O	0	0	0
46	CD_RESET	CD DSP reset control signal.	O	5.14	5.14	5.12
47	N.C	Not connection.	O	0	0	0
48	N.C	Not connection.	O	0	0	0
49	CD_DI	CD DSP data output.	O	0	0	4.95
50	CD_DO	CD DSP data input.	I	3.33	3.33	2.43
51	CD_CLK	CD DSP clock signal.	O	0	0	4.94
52	CD_CE	CD DSP chip enable control signal.	O	0	0	1.65
53	E-VOL_I2C_SDA	Electronic Vol-IC data output.	O	5.18	5.18	5.19

Pin. No.	Port	Description	I/O	FM(V)	AM(V)	CD(V)
54	E-VOL_I2C_SCL	Electronic Vol-IC clock output.	O	5.18	5.18	5.19
55	VDD	VDD +5V	-	5.18	5.18	5.19
56	VSS	GND	-	0	0	0
57	RADIO_WC	Radio Tuner EEPROM writing control signal.	O	3.34	3.33	3.36
58	N.C	Not connection.	O	0	0	0
59	N.C	Not connection.	O	0	0	0
60	N.C	Not connection.	O	0	0	0
61	RADIO_RESET	Radio Tuner reset output pin.	O	3.31	3.31	3.32
62	RADIO_MMODE	Radio Tuner power control signal.	O	5.16	5.16	5.17
63	N.C	Not connection.	O	0	0	0
64	BEEP	Alarm beeping control.	O	0	0	0
65	N.C	Not connection.	O	0	0	0
66	BATT	Battery power detection. (H-ON, L-OFF)	I	4.99	4.99	4.99
67	RDS_INT_CNT	Radio Tuner I2C address selection.	O	3.26	3.28	3.23
68	AMP_STB	Amp standby control signal output.	O	5.18	5.18	5.19
69	N.C	Not connection.	O	0	0	0
70	AMP_MUTE	AMP_MUTE control signal .	O	5.18	5.18	5.19
71	N.C	Not connection.	O	0	0	0
72	ACC	ACC power detection.	I	4.98	4.98	5.00
73	RADIO_I2C_SDA	Radio Tuner data input/output.	I/O	2.92	3.33	3.35
74	RADIO_I2C_SCL	Radio Tuner clock output.	O	2.95	3.33	3.35
75	SXI_RX	SiriusXM data sent output.	O	5.16	5.16	5.17
76	SXI_TX	SiriusXM data received input.	I	0	0	0
77	N.C	Not connection.	O	0	0	0
78	N.C	Not connection.	O	0	0	0
79	POWER_CNT	MAIN power control signal.	O	5.17	5.17	5.18
80	SXI_PWR_CNT	SiriusXM power control signal.	O	5.14	5.14	5.15
81	AMP_CNTE	AMP control signal.	O	5.18	5.18	5.19
82	AF_MUTE	AF MUTE control signal.	O	5.18	5.18	5.19
83	SXI_PWR_EN	SiriusXM power enable.	O	5.18	5.18	5.19
84	N.C	Not connection.	O	0	0	0
85	N.C	Not connection.	O	0	0	0
86	N.C	Not connection.	O	0	0	0
87	VREG	Bypass condenser connected.	O	4.47	4.46	4.47
88	VSS	GND	-	0	0	0
89	VDD(PLL)	VDD +5V	-	5.18	5.18	5.19
90	N.C	Not connection.	I	0	0	0
91	N.C	Not connection.	I	0	0	0
92	N.C	Not connection.	I	0	0	0
93	N.C	Not connection.	I	0	0	0
94	EO1	Not connection.	O	0	0	0
95	SUBFD	Not connection.	O	0	0	0
96	N.C	Not connection.	O	0	0	0
97	N.C	Not connection.	O	0	0	0
98	N.C	Not connection.	O	0	0	0
99	N.C	Not connection.	O	0	0	0
100	N.C	Not connection.	O	0	0	0

## IC401:C5ZBZ0000107

Pin No.	Port	Description	I/O	(V)
1	EFMIN	RF signal input port.	I	1.68
2	RFOUT	RF signal output port.	O	1.74
3	LPF	LPF capacitor connection port for RF DC level detection.	O	1.72
4	PHLPF	LPF capacitor connection port for detection.	O	2.23
5	AIN	A signal input port.	I	1.82
6	CIN	C signal input port.	I	1.80
7	BIN	B signal input port.	I	1.82

Pin No.	Port	Description	I/O	(V)
8	DIN	D signal input port.	I	1.81
9	FEC	LPF capacitor connection port for FE signal.	O	1.76
10	RFMON	LSI build-in analog signal monitor port.	O	1.66
11	VREF	VREF voltage output port.	O	1.70
12	JITTC	Capacitor connection port for JIT signal.	O	0.01
13	EIN	E signal input port.	I	1.80
14	FIN	F signal input port.	I	1.80
15	TEC	LPF capacitor connection port for TE signal.	O	3.35
16	TE	TE signal output port.	O	1.71
17	TEIN	TE signal input port for TES.	I	1.69
18	LDD	Laser power detection output port.	O	2.44
19	LDS	Laser power detection input port.	I	0.17
20	AVSS	GND for analog.	-	0.03
21	AVDD	VDD for analog.	-	3.35
22	FDO	Focus control signal output port. D/A output.	O	1.61
23	TDO	Tracking control signal output port. D/A output.	O	1.66
24	SLDO	Thread control signal output port. D/A output.	O	1.92
25	SPDO	Spindle control signal output port. D/A output.	O	1.77
26	VVSS1	Gnd for build-in VCO.	-	0.04
27	PDOOUT1	Phase comparison output port1 for build-in VCO control.	O	1.24
28	PDOOUT0	Phase comparison output port0 for build-in VCO control.	O	1.24
29	PCKIST	PDOOUT01 output port for current setting.	I	1.15
30	VVDD1	VDD for VCO.	-	3.36
31	DMUTE B	DMUTE B (GENERAL) output port.	O	3.35
32	PUIN	PUIN (GENERAL) I/O port. Built-in pull-up resistance.	I/O	4.98
33	DEFFCT	Detection signal output port.	O	0.04
34	FSEQ	Synchronous signal output port.	-	3.34
35	C2F	C2 error signal output port.	O	0.04
36	DVDD	VDD for Digital.	-	3.36
37	DVSS	GND for Digital.	-	0.03
38	DVDD18	VDD capacitor connection port for digital circuit.	O	1.61
39	MONI 0	Monitor port 0.	O	3.36
40	MONI 1	Monitor port 1.	O	0.04
41	DVDD	VDD for Digital.	-	3.36
42	DVSS	GND for Digital.	-	0.04
43	CE	Host IF:Communication enable signal input port.	I	1.32
44	CL	Host IF:Data transfer clock input port.	I	3.96
45	DI	Host IF:Data input port.	I	3.96
46	DO	Host IF:Data output port. Pull-up is necessary.	O	3.35
47	RESB	"Reset input port. Make it "L" when power on."	I	5.15
48	INTB	Interrupt signal output port. (Servo)	O	0.05
49	SUB_READY 0	For host u-com IF:SUB-RDY output. Pull-up resistance is necessary.	O	4.82
50	CD_MUTE 0	General I/O port2.	I/O	4.98
51	LOW_BAT1	General I/O port1.	I/O	0.04
52	CONT	General I/O port0.	I/O	0.04
53	OSCCNT	OSCOFF control port. Connected with 0V when reset.	I	3.34
54	STREQ	Stream data demand signal output port.	I/O	0.08
55	STCK	Clock input port for stream data.	I/O	0.03
56	STDATA	Stream data input port.	I/O	0.04
57	TEST 1	Input port for test. Needed connect with 0V.	I	0.03
58	DATA	Lch/Rch data output port.	O	0.05
59	DATACK	Clock output port.	O	3.35
60	LRSY	Lch/Rch clock output port.	O	0.05
61	VVDD 2	VDD for build-in VCO.	-	3.35

Pin No.	Port	Description	I/O	(V)
62	VPREF 2	Built-in VCO oscillation cooking stove setting input terminal.	I	0.05
63	VCOC 2	Built-in VCO control voltage setting input port.	I	0.05
64	VPDOOUT 2	Output port for built-in VCO control.	O	0.04
65	VVSS 2	GND for building VCO. Needed connect with 0V.	-	0.03
66	DVDD18	VDD capacitor connection port for digital circuit.	O	1.60
67	DVSS	GND for digital system. Needed connect with 0V.	-	0.04
68	DVDD	VDD for digital system.	-	3.35
69	DOUT	Digital OUT output port. EIAJ format.	O	0.04
70	AMUTE B	AMUTE B (general) output port.	O	3.35
71	XVSS	GND for oscillation circuit. Needed connect with 0V.	-	0.03
72	XOPUT	Connected of 16.9344MHz oscillation.	O	1.54
73	XIN	Connected of 16.9345MHz oscillation.	I	1.59
74	XVDD	VDD for oscillation circuit.	I	3.32
75	LCHO	L channel output port.	O	3.33
76	LRVDD	VDD for LR channel.	-	1.66
77	LRVSS	GND for LR channel. Needed connect with 0V.	-	1.68
78	RCHO	R channel output port.	O	0.00
79	AVDD	VDD for analog.	-	0.00
80	SLCO	Slice level control output port.	O	1.68

#### Note 1 :

Voltage measurements are with respect to ground, with a voltmeter (internal resistance : 10MΩ).

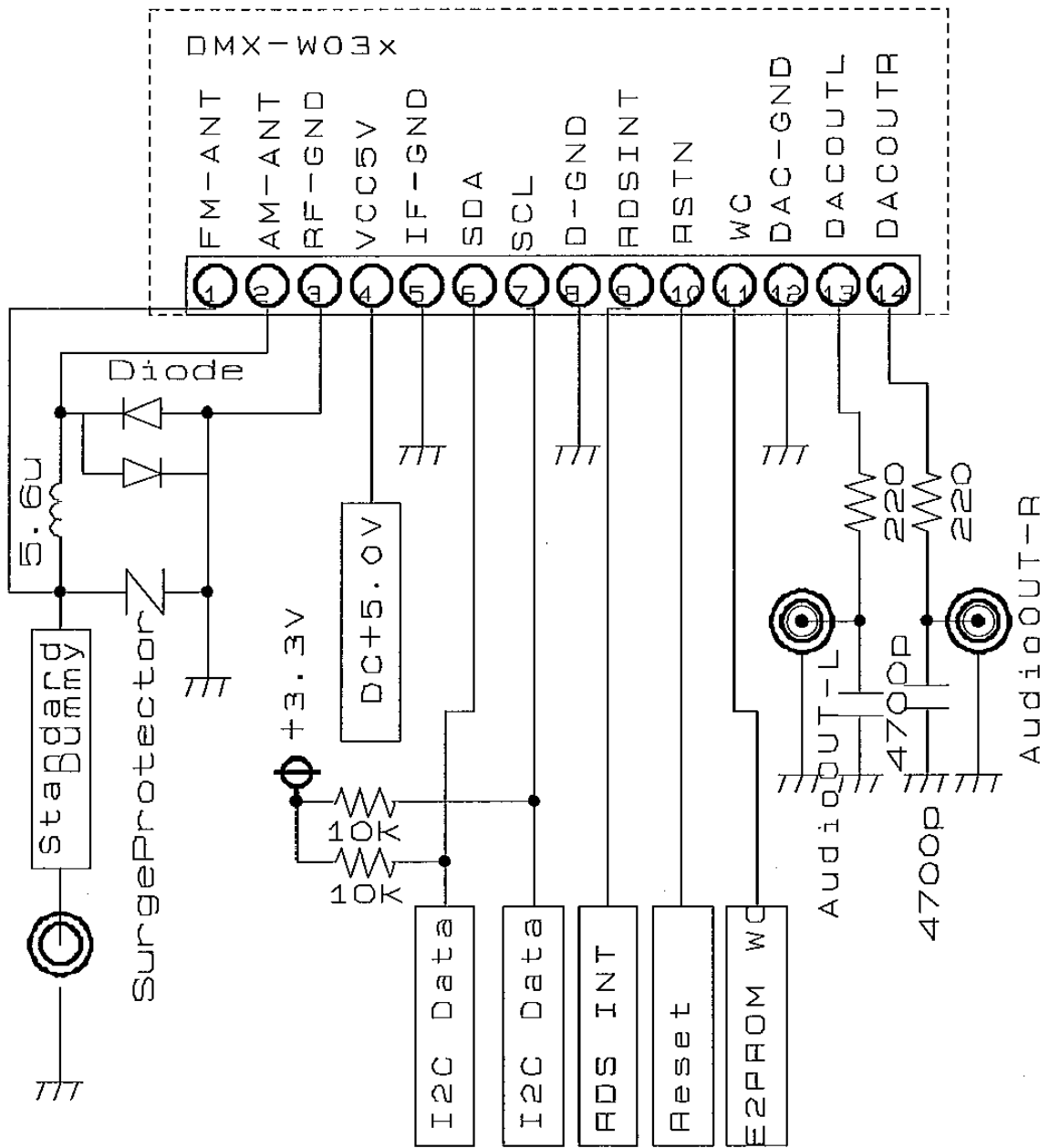
#### 4.2. Display Block IC901:C0HBA000246

Pin No.	PORT	Description	I/O	(V)
1	P1	General-purpose output.	O	5.1
2	P2	General-purpose output.	O	0
3	P3	N.C.	O	0
4	S4	N.C.	O	2.58
5	S5	Segment outputs.	O	2.58
6	S6	Segment outputs.	O	2.58
7	S7	Segment outputs.	O	2.58
8	S8	Segment outputs.	O	2.58
9	S9	Segment outputs.	O	2.58
10	S10	Segment outputs.	O	2.58
11	S11	Segment outputs.	O	2.58
12	S12	Segment outputs.	O	2.58
13	S13	Segment outputs.	O	2.58
14	S14	Segment outputs.	O	2.58
15	S15	Segment outputs.	O	2.58
16	S16	Segment outputs.	O	2.58
17	S17	Segment outputs.	O	2.58
18	S18	Segment outputs.	O	2.58
19	S19	Segment outputs.	O	2.58
20	S20	Segment outputs.	O	2.58
21	S21	Segment outputs.	O	2.58
22	S22	Segment outputs.	O	2.58
23	S23	Segment outputs.	O	2.58
24	S24	Segment outputs.	O	2.58
25	S25	Segment outputs.	O	2.58
26	S26	Segment outputs.	O	2.58
27	S27	Segment outputs.	O	2.58
28	S28	Segment outputs.	O	2.58
29	S29	Segment outputs.	O	2.58
30	S30	Segment outputs.	O	2.58
31	S31	Segment outputs.	O	2.58
32	S32	Segment outputs.	O	2.58
33	S33	Segment outputs.	O	2.58
34	S34	Segment outputs.	O	2.58
35	S35	Segment outputs.	O	2.58

Pin. No.	PORT	Description	I/O	(V)
36	S36	Segment outputs.	O	2.58
37	S37	Segment outputs.	O	2.58
38	S38	Segment outputs.	O	2.58
39	COM4	Common driver outputs.	O	2.58
40	COM3	Common driver outputs.	O	2.58
41	COM2	Common driver outputs.	O	2.58
42	COM1	Common driver outputs.	O	2.58
43	S40	Segment outputs.	O	2.58
44	KS2	Key scan outputs.	O	5.17
45	KS3	Key scan outputs.	O	5.17
46	KS4	Key scan outputs.	O	5.17
47	KS5	Key scan outputs.	O	5.17
48	KS6	Key scan outputs.	O	5.17
49	KI1	Key scan inputs.	I	0.1
50	KI2	Key scan inputs.	I	0
51	KI3	Key scan inputs.	I	0
52	KI4	Key scan inputs.	I	0
53	KI5	Key scan inputs.	I	0
54	VDD	Logic block power supply.	-	3.3
55	VLCD	LCD driver block power supply.	-	5.18
56	VLCD1	LCD drive bias voltage.	-	3.4
57	VLCD2	LCD drive bias voltage.	-	1.72
58	VSS	Ground.	-	0
59	TEST	Must be connected to ground.	I	0
60	OSC	Oscillator circuit port.	I/O	2.3
61	DO	Output data.	O	3.3
62	CE	Chip enable.	I	0
63	CL	Synchronization clock.	I	2.7
64	DI	Transfer data.	I	2.6

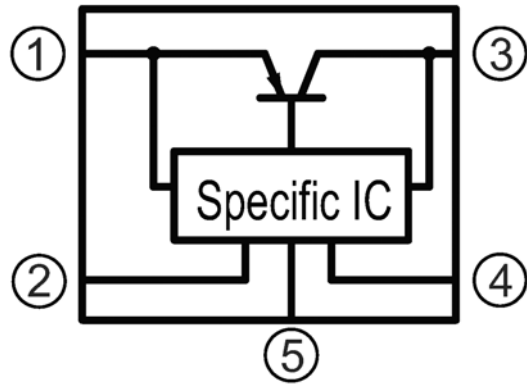
4.3. IC Block Diagram

4.3.1. Main Block



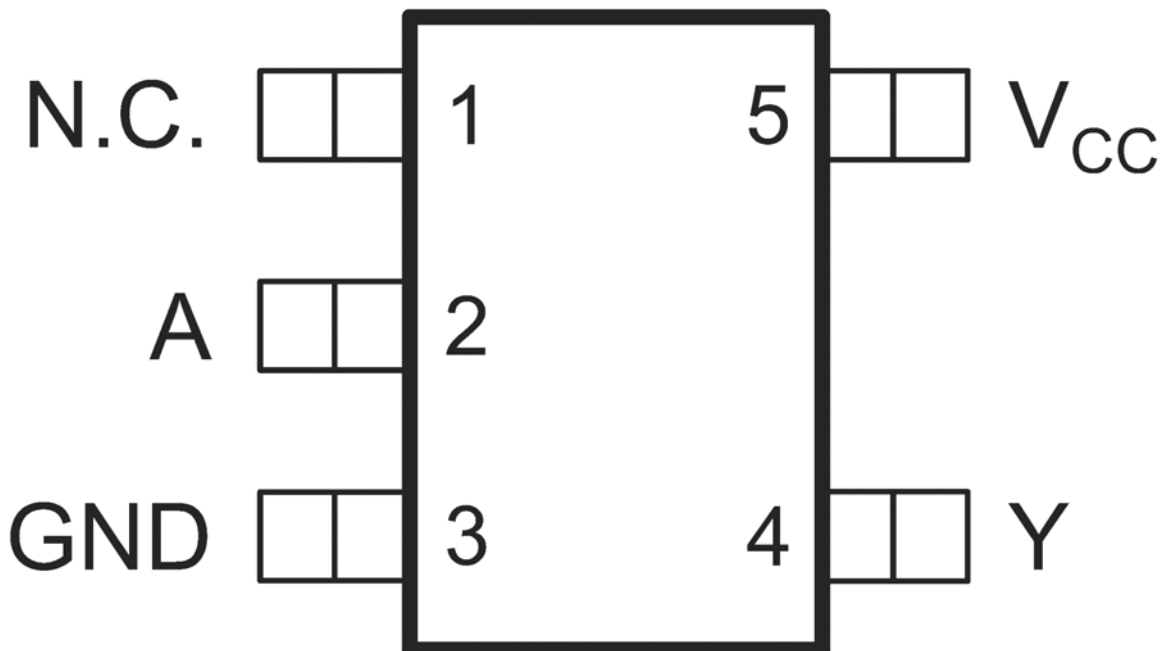
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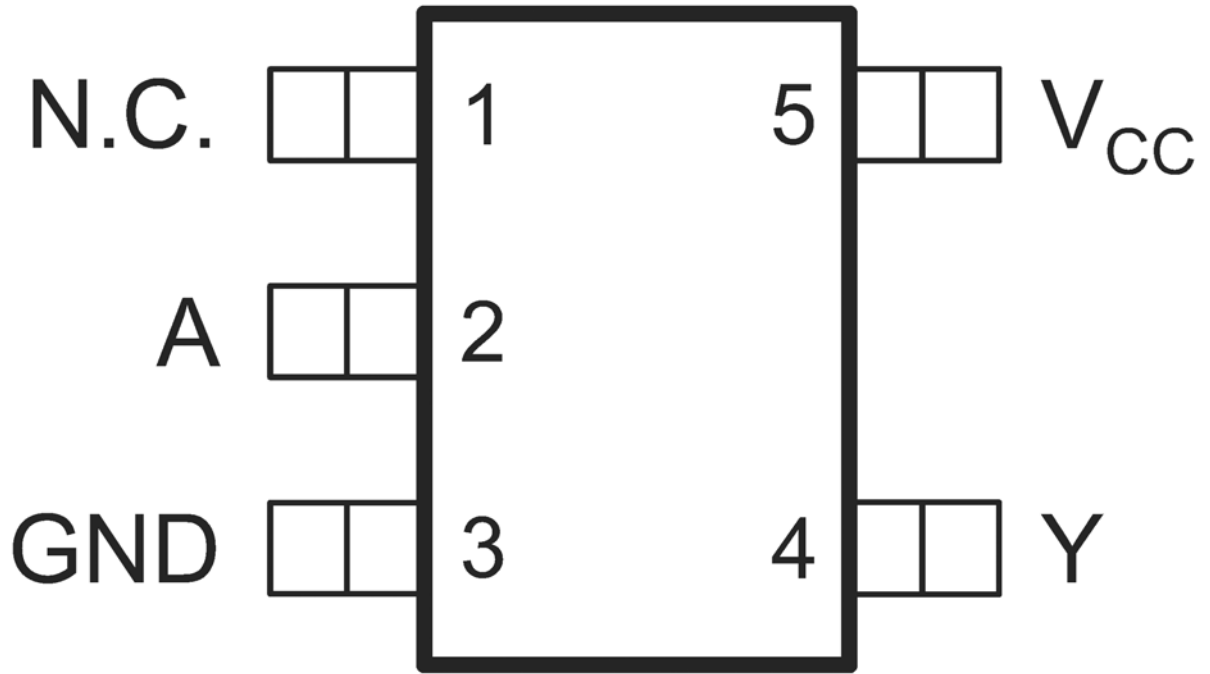


- ① DC input ( $V_{IN}$ )
- ② ON/OFF control terminal ( $V_c$ )
- ③ DC output ( $V_o$ )
- ④ Output voltage adjustment ( $V_{adj}$ )
- ⑤ GND

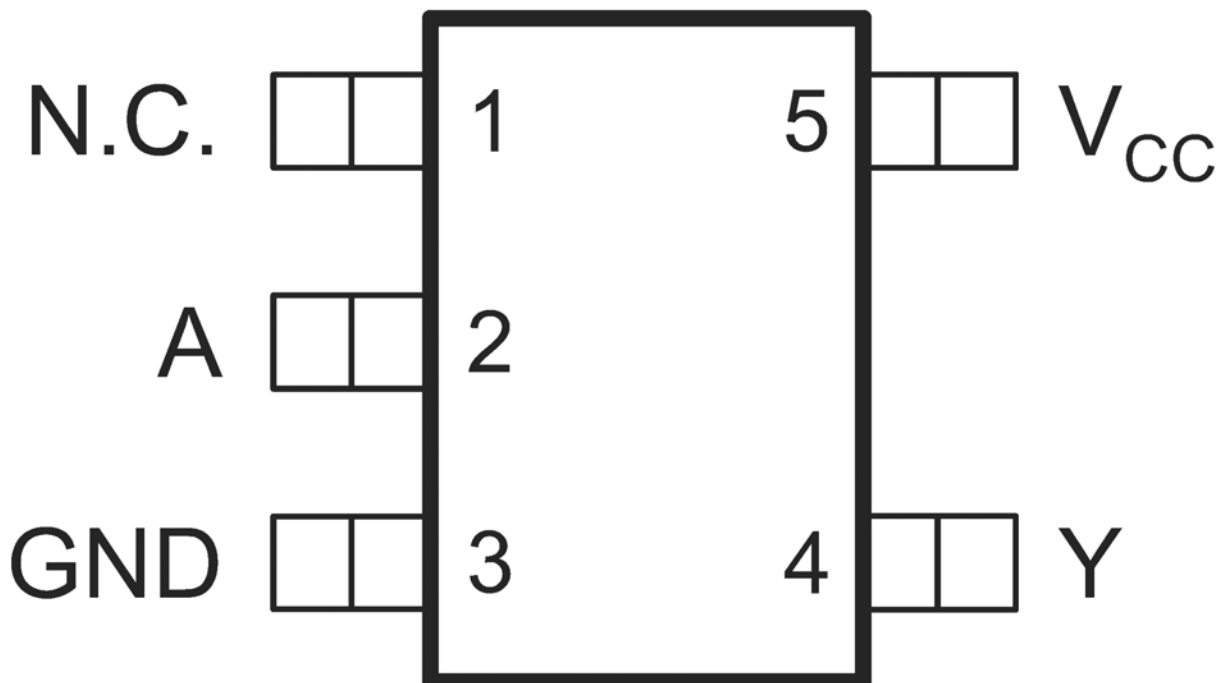
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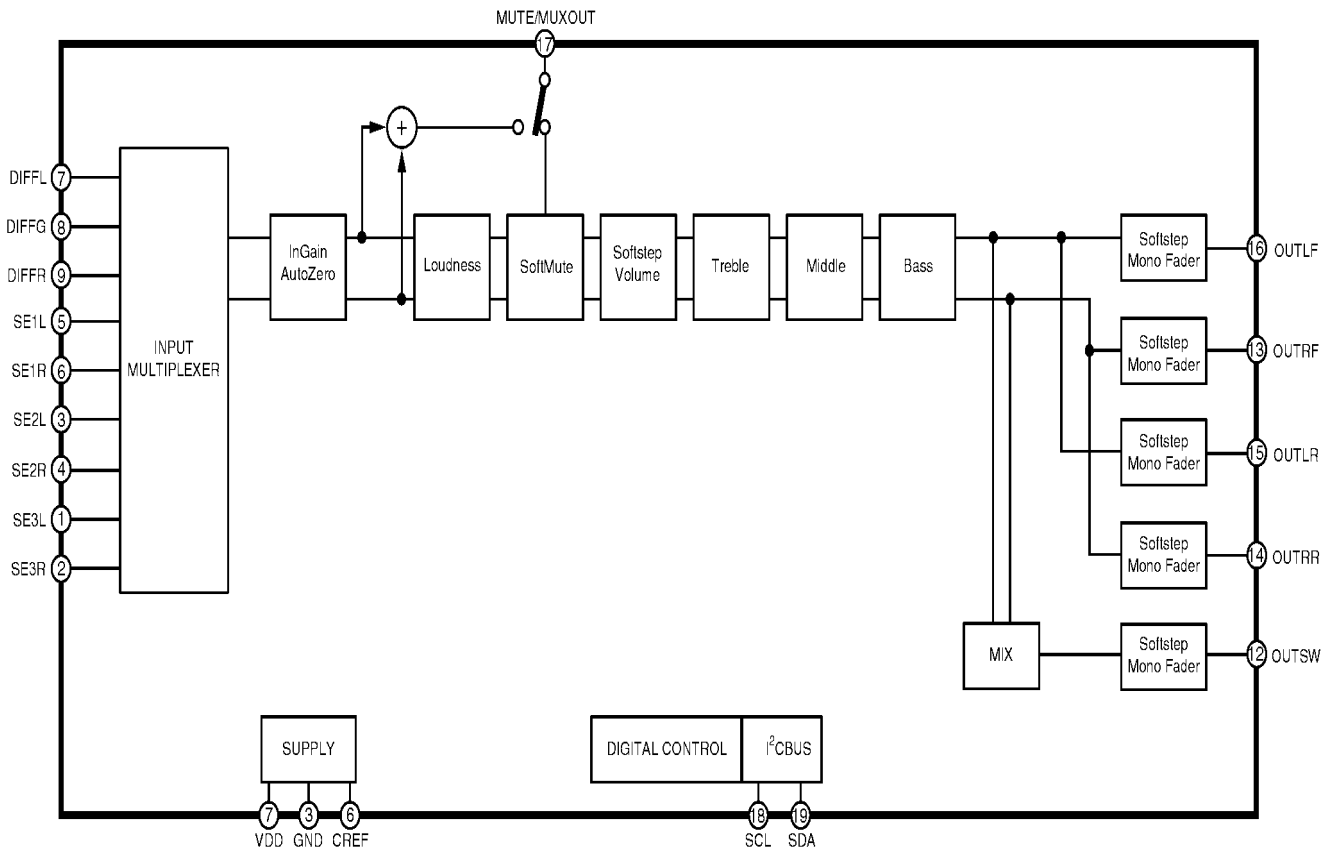
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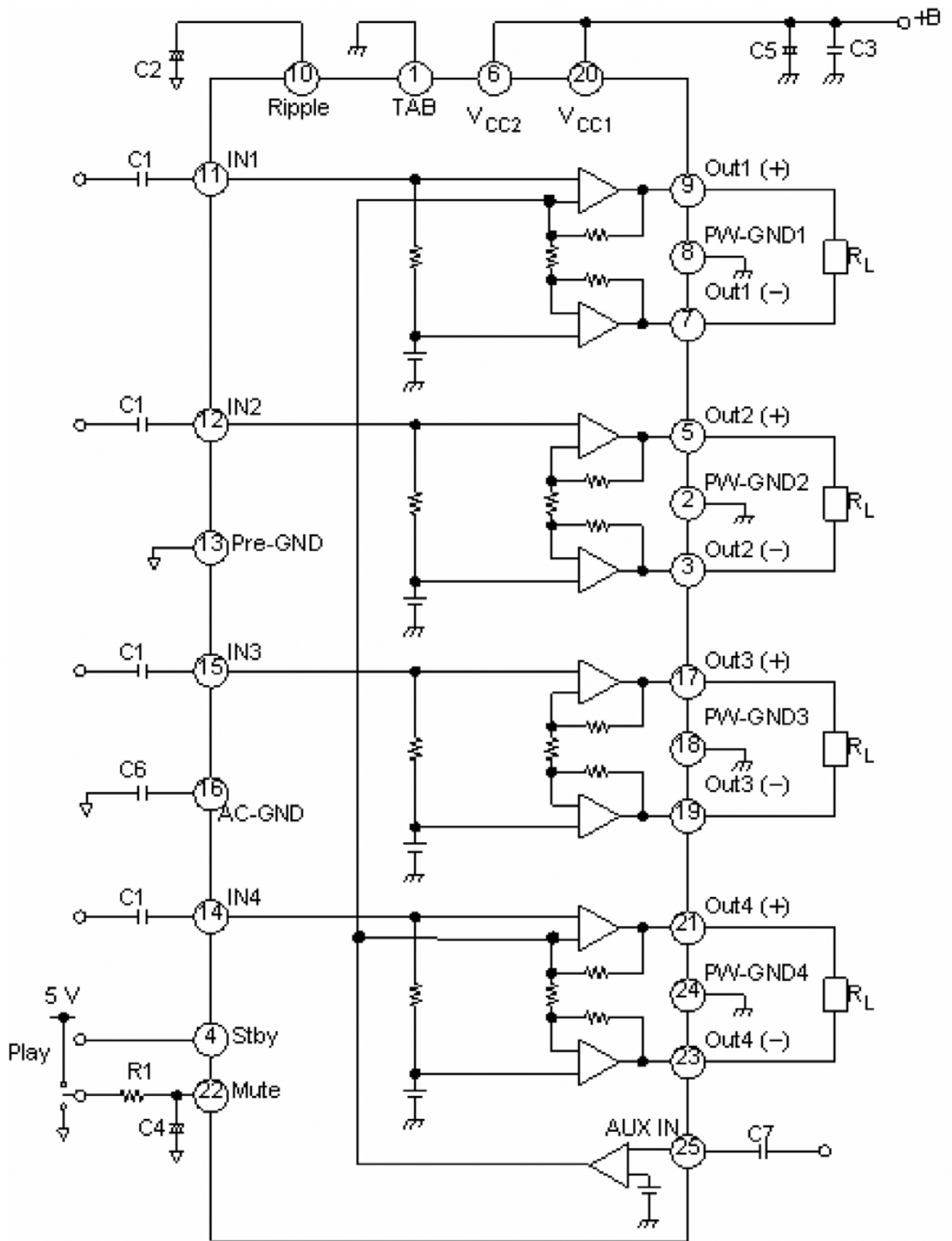
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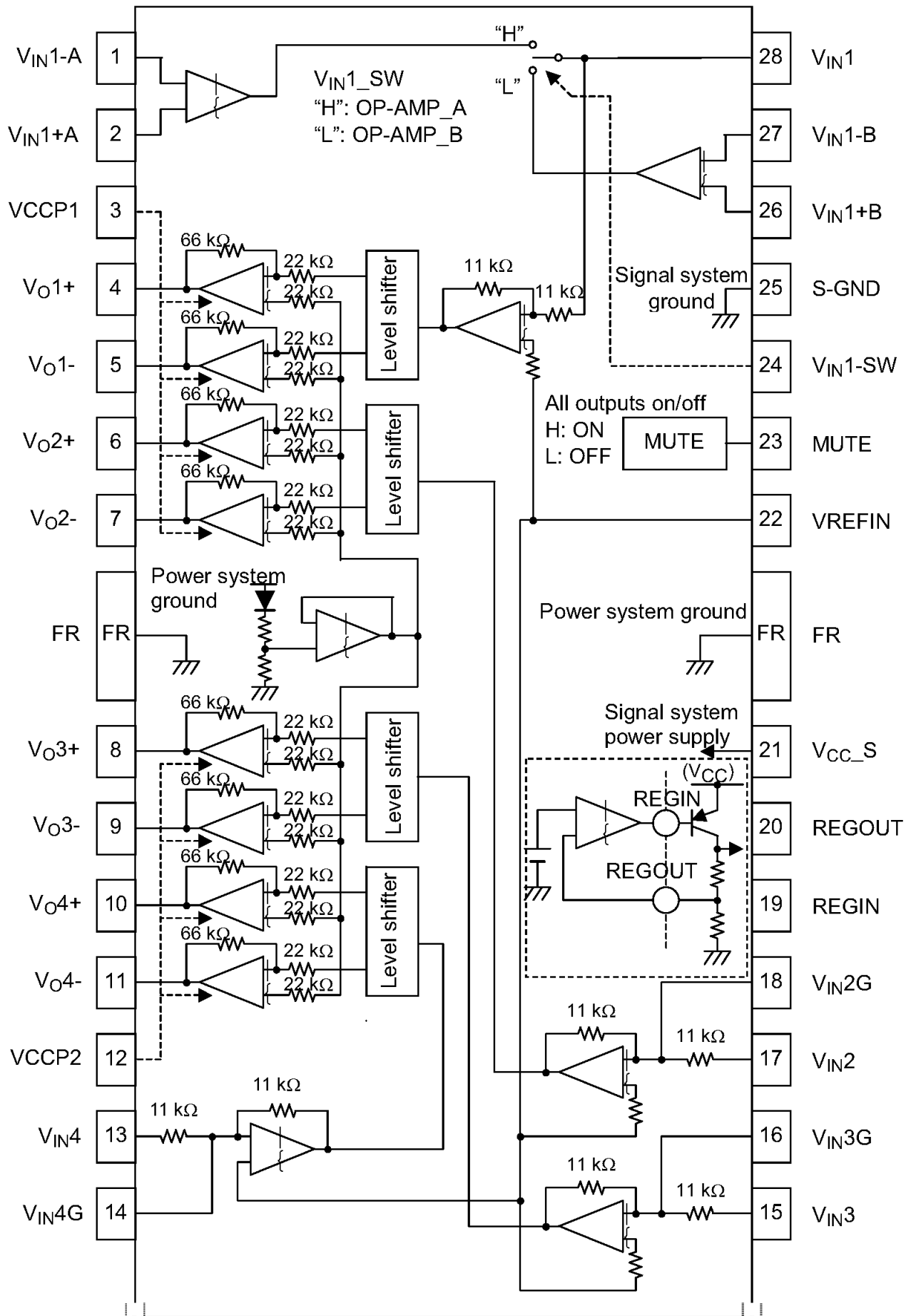
IC104:COJBAZ001961



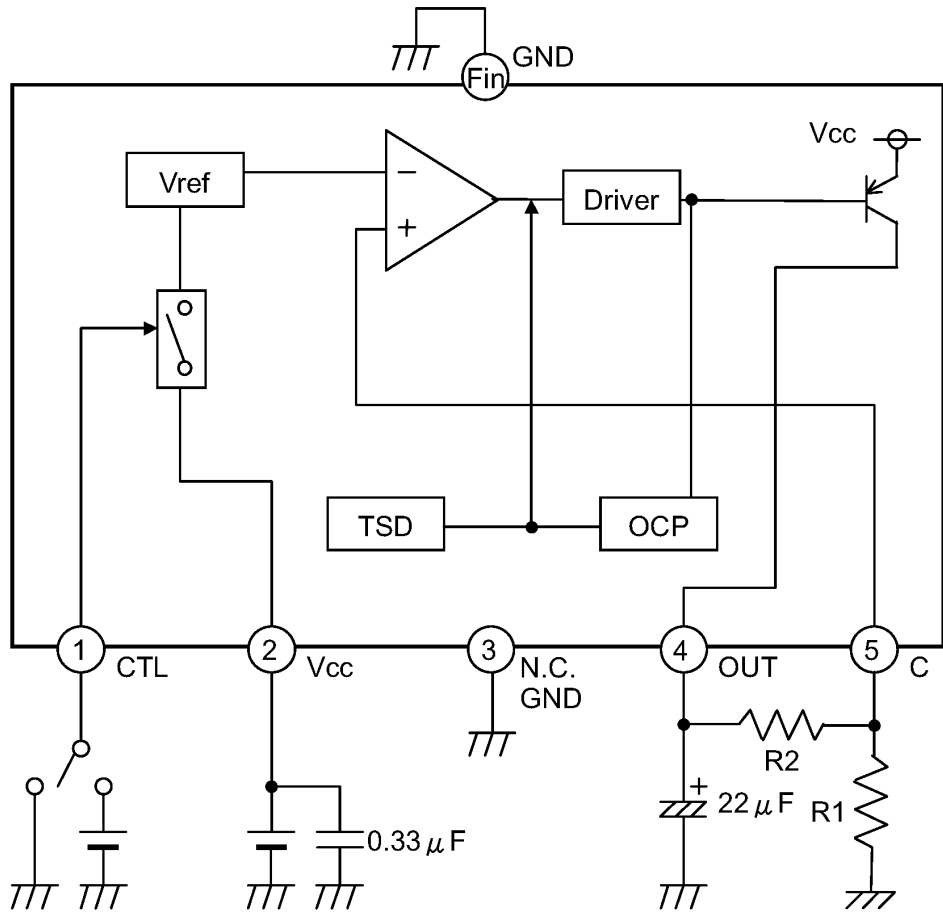
IC301:C1AB00002836



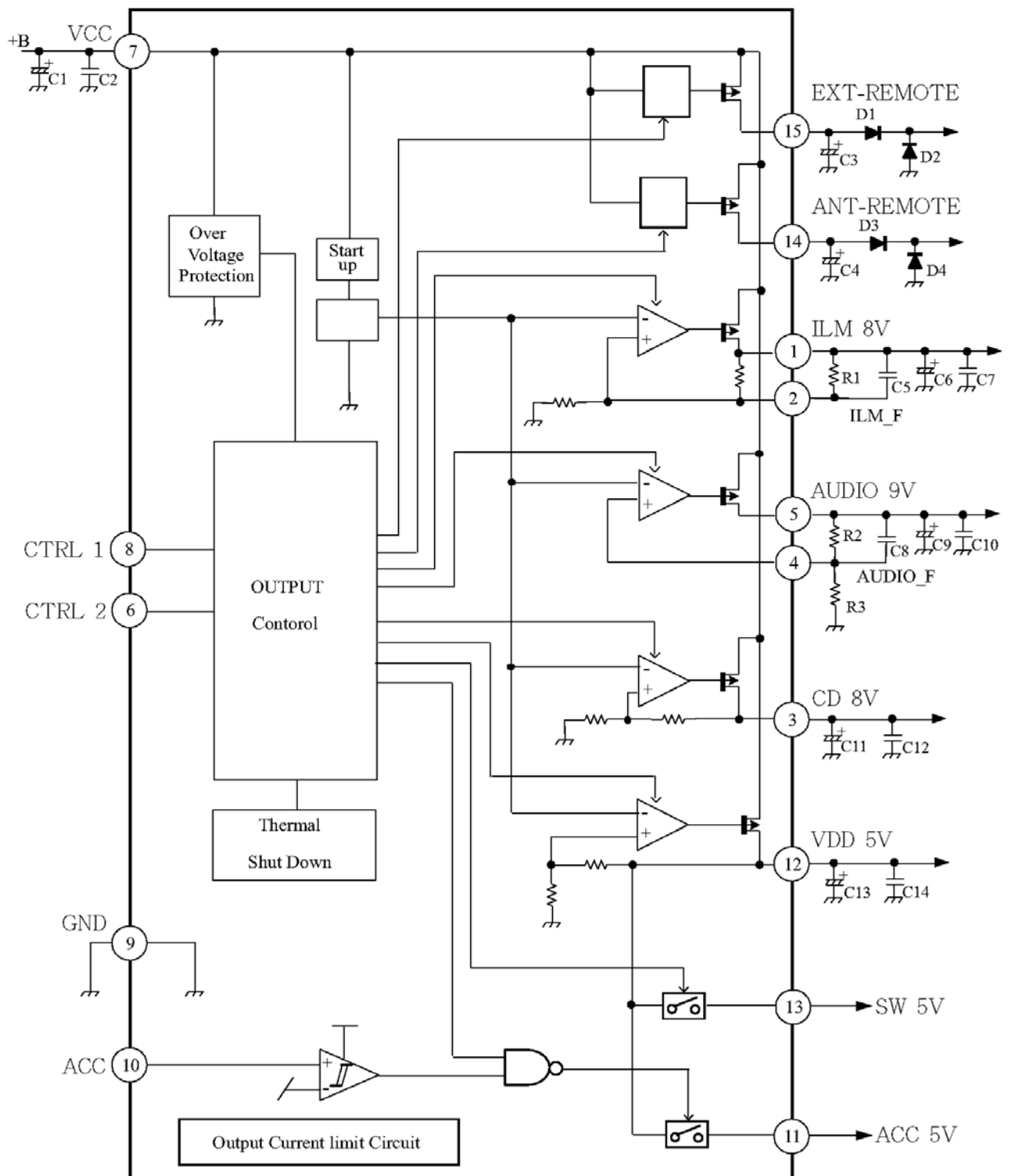
IC201:C1AA00000788



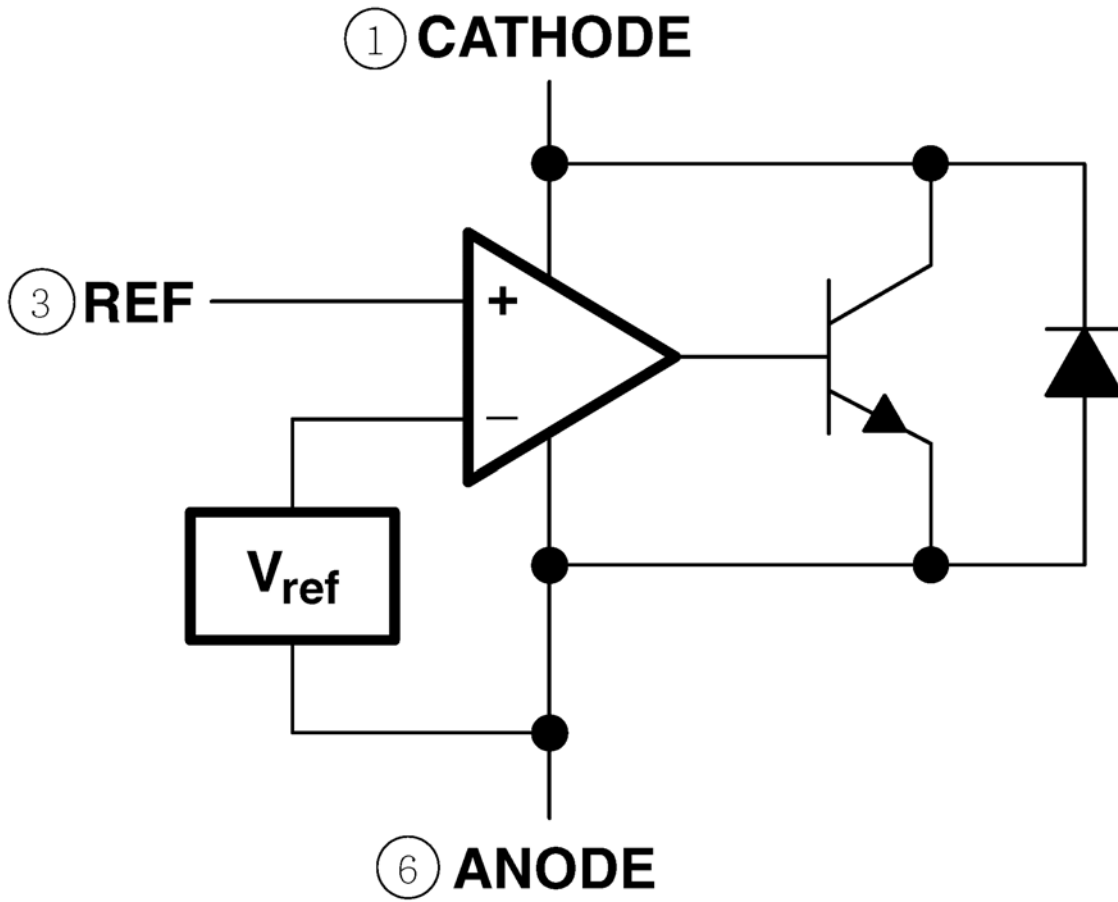
IC501:C1BB00001088



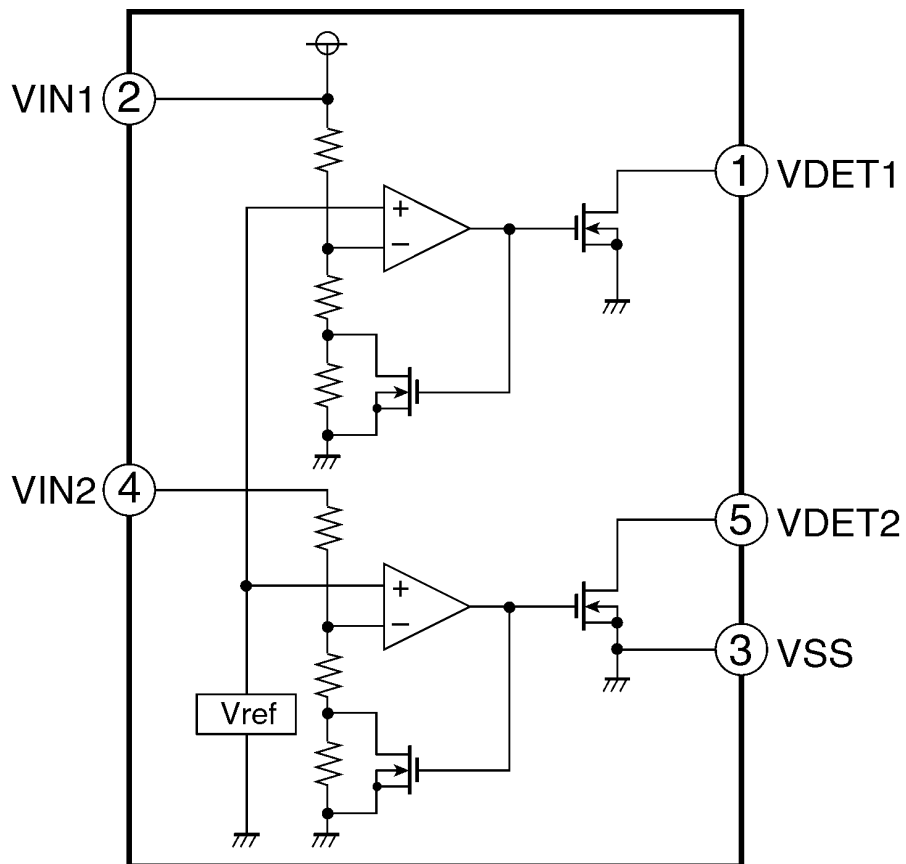
IC51:C0DBEJG00001



IC701:C0DAZYY00033



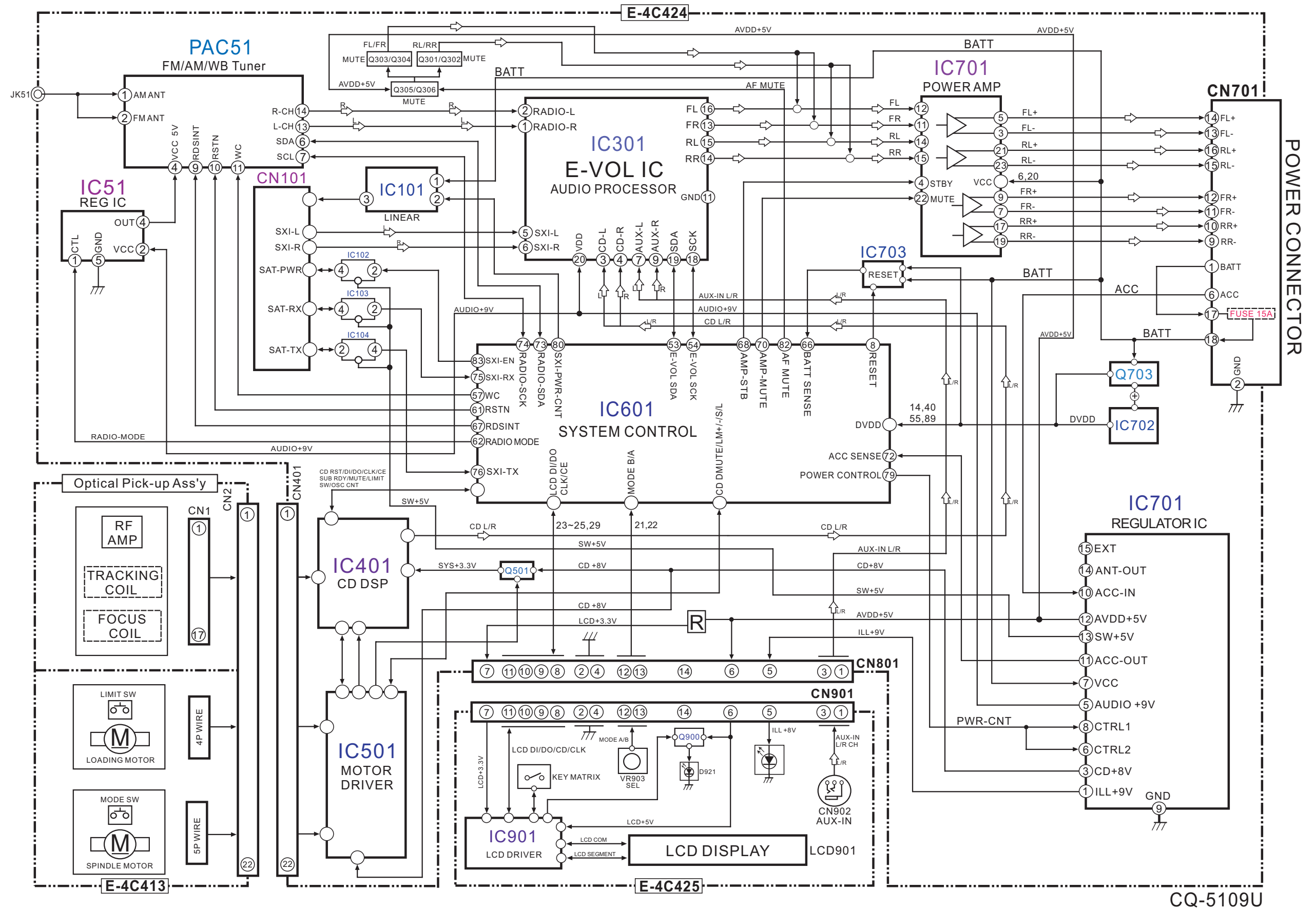
IC702:C0DBEYY00005



IC703:C0EBY0000389

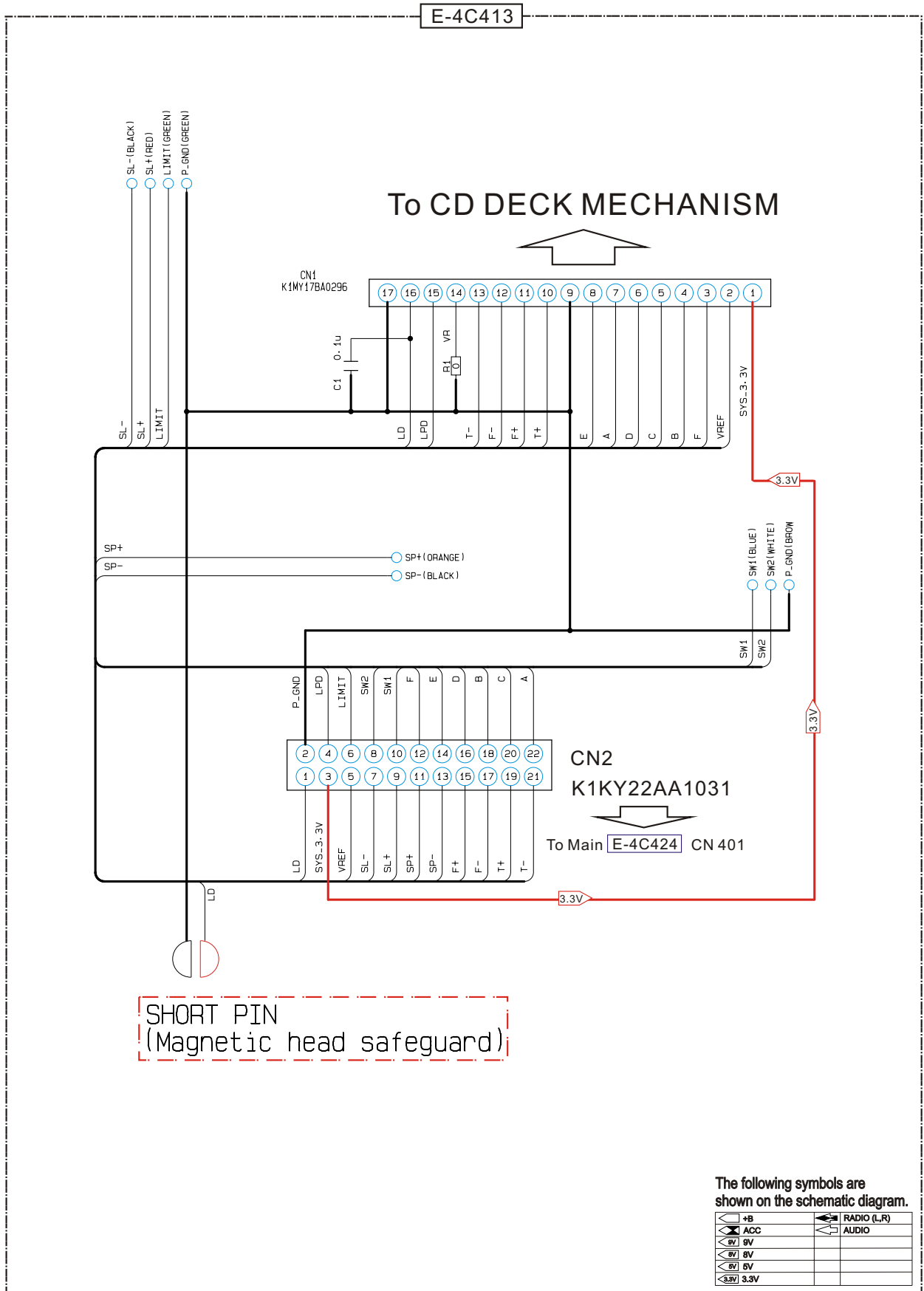


# 5 Block Diagram



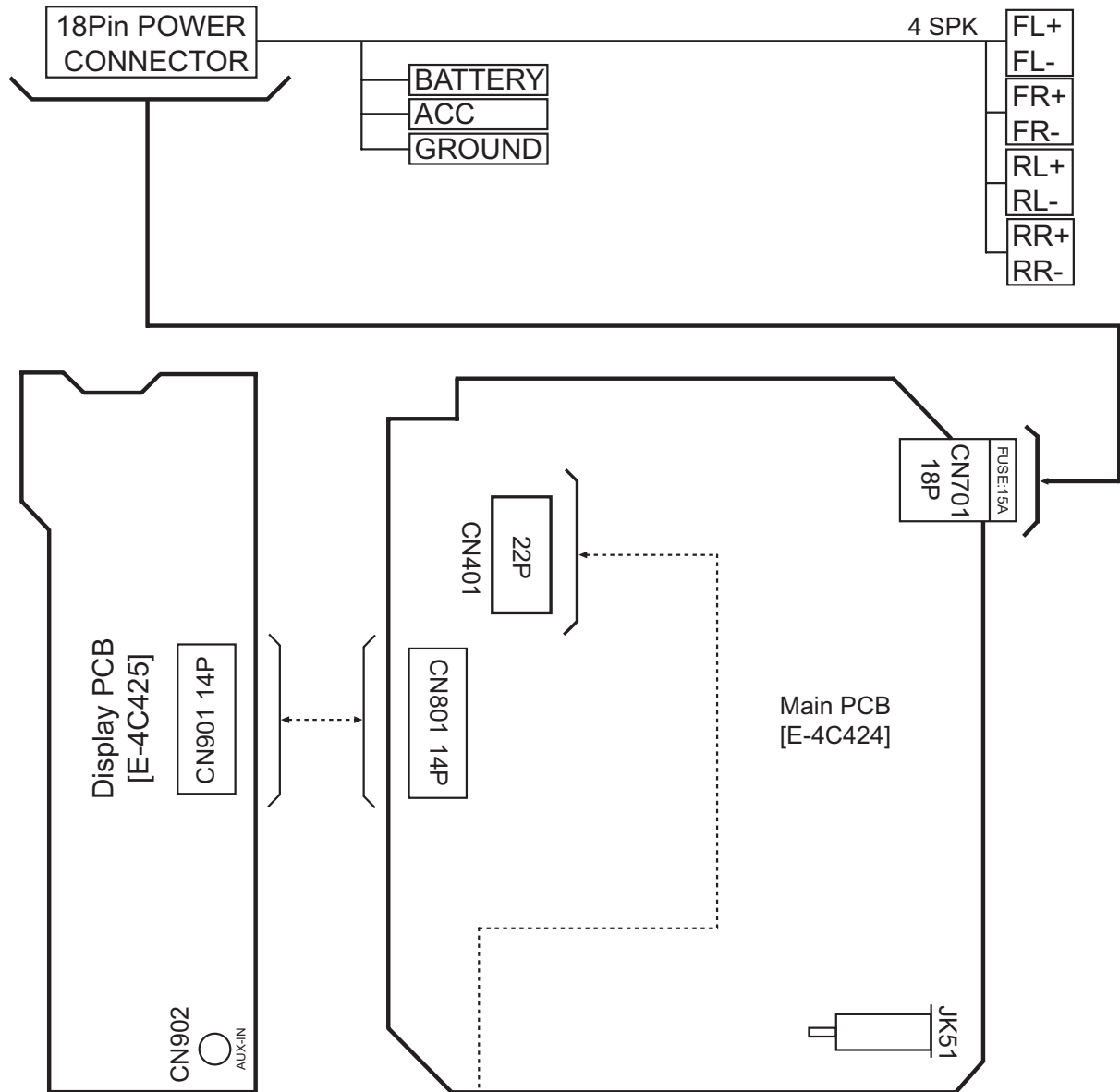
# 6 Schematic Diagram

## 6.1. CD Interface Block

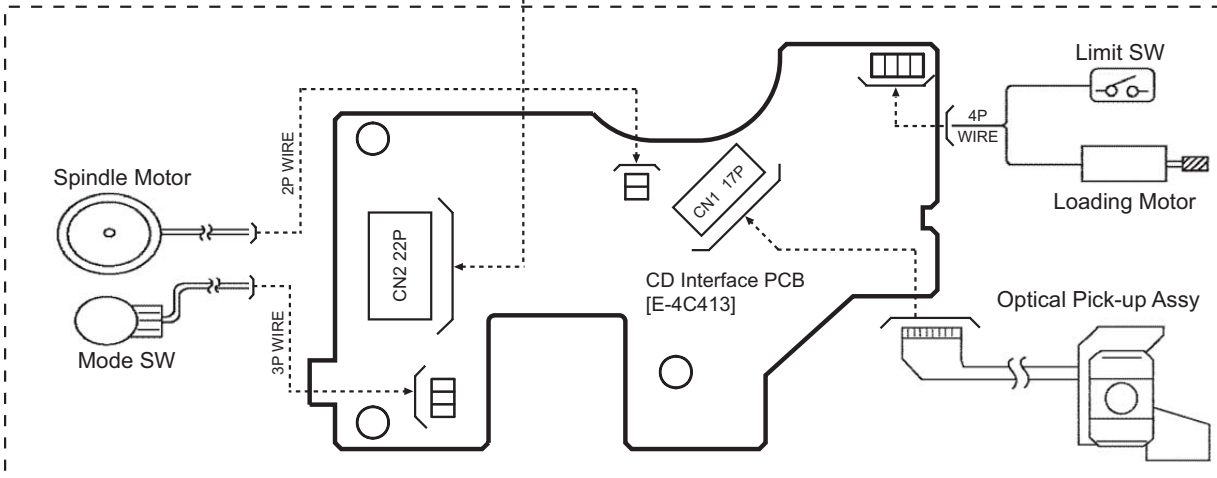


CQ-5109U CD Interface

# 7 Wiring Connection Diagram



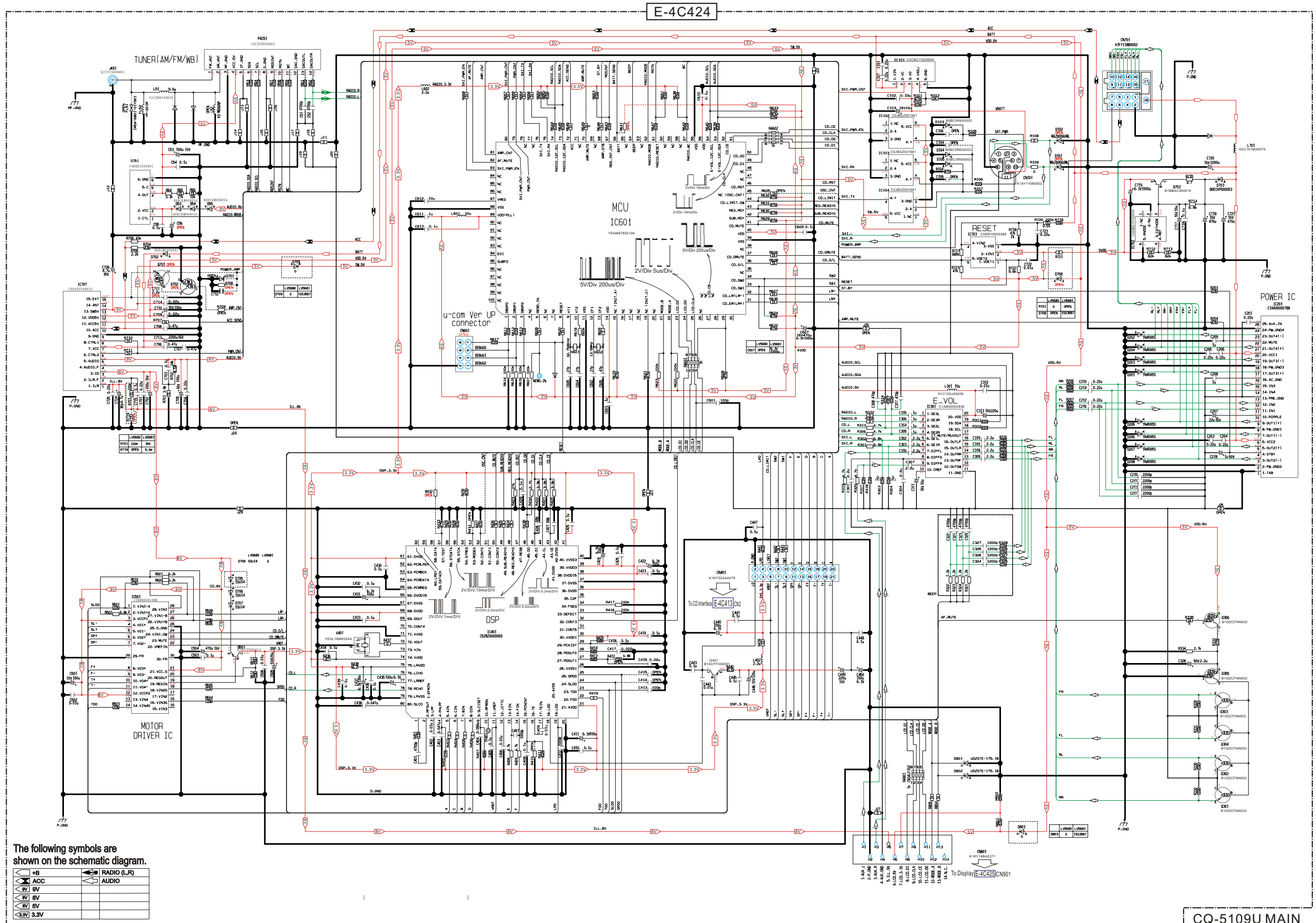
## <CD Interface Block>



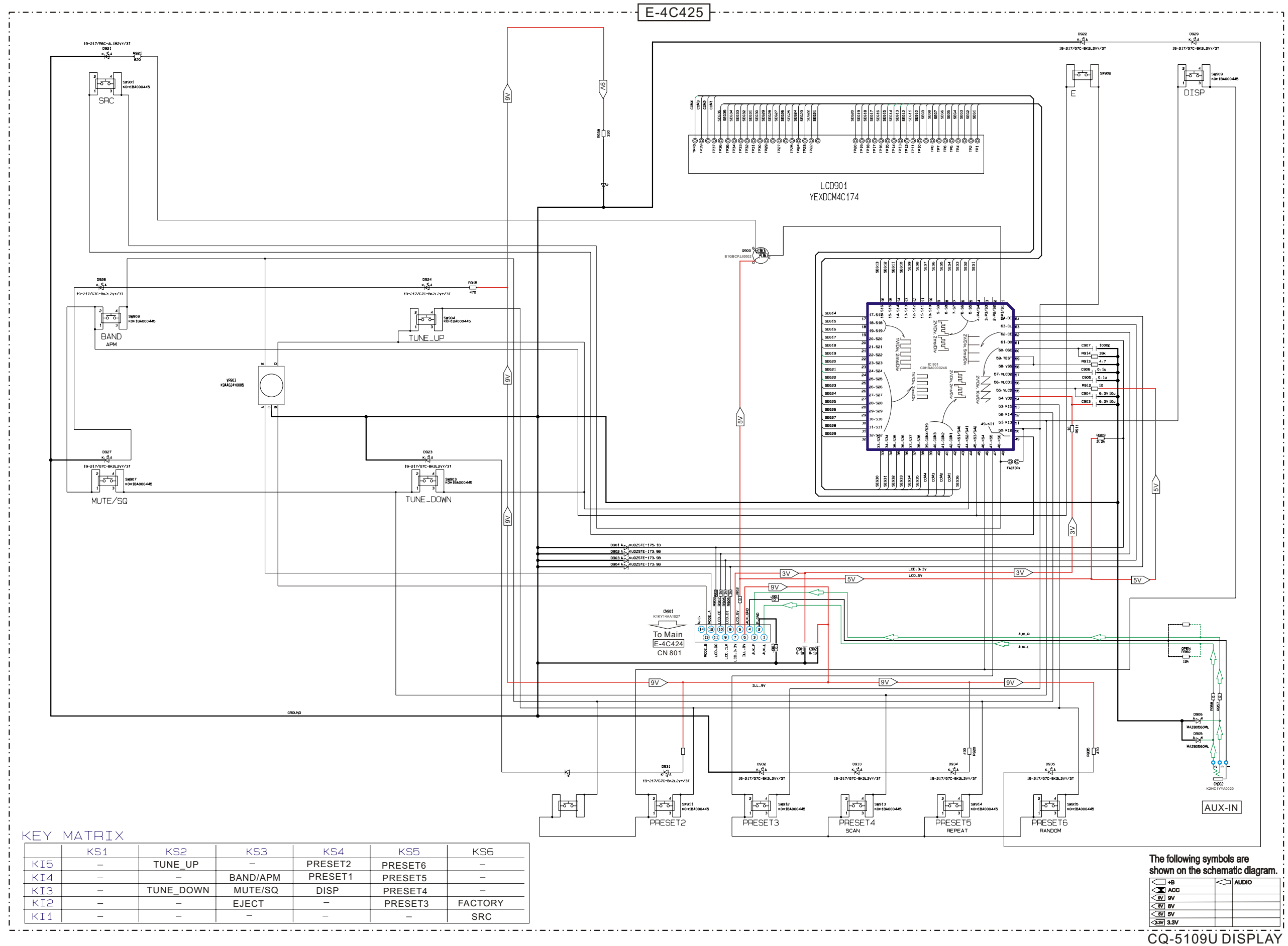
CQ-5109U

# 8 Schematic Diagram

## 8.1. Main Block

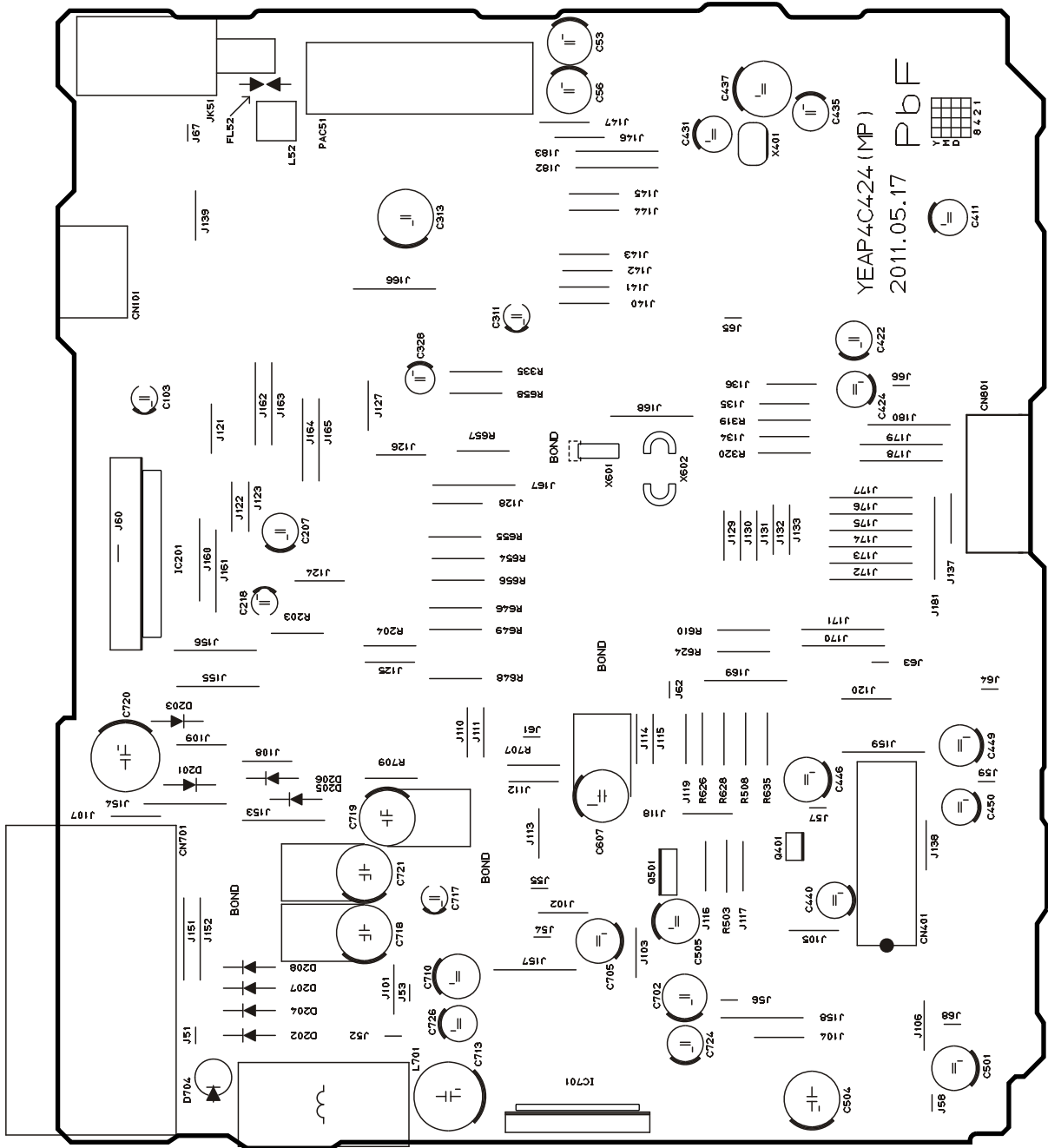


## 8.2. Display Block



# 9 Printed Circuit Board

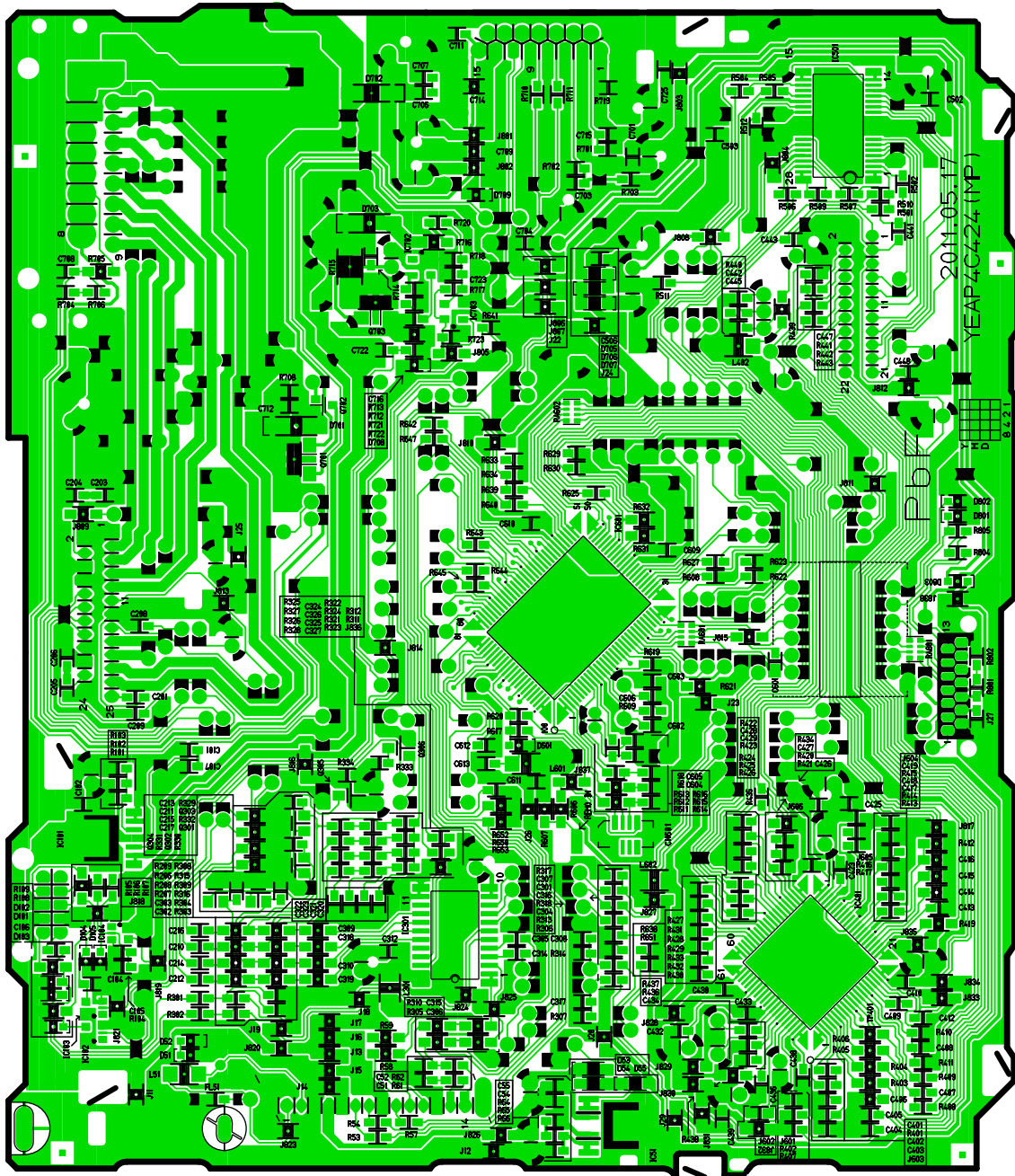
## 9.1. Main Block (Top View)



[E-4C424][Top View]

CQ-5109U MAIN P.C.B

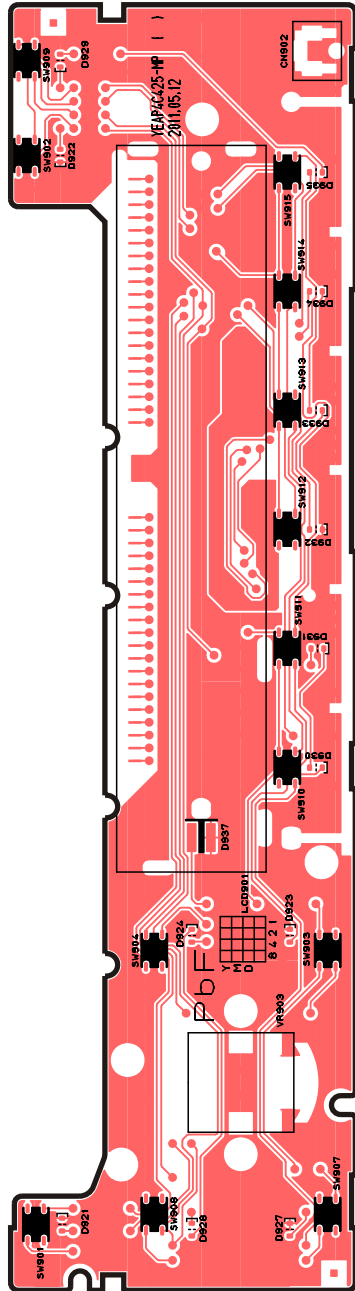
## 9.2. Main Block (Bottom View)



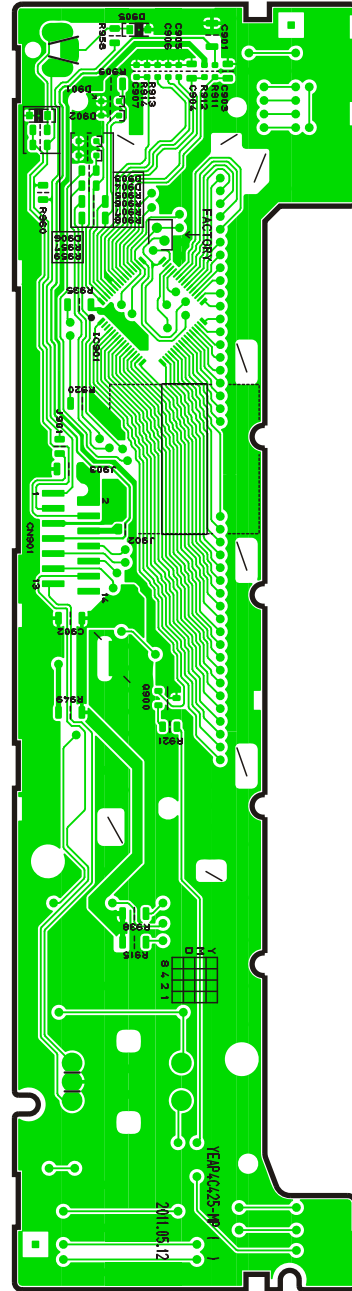
[E-4C424][Bottom View]

CQ-5109U MAIN P.C.B

### 9.3. Display Block



[E-4C425][Top View]

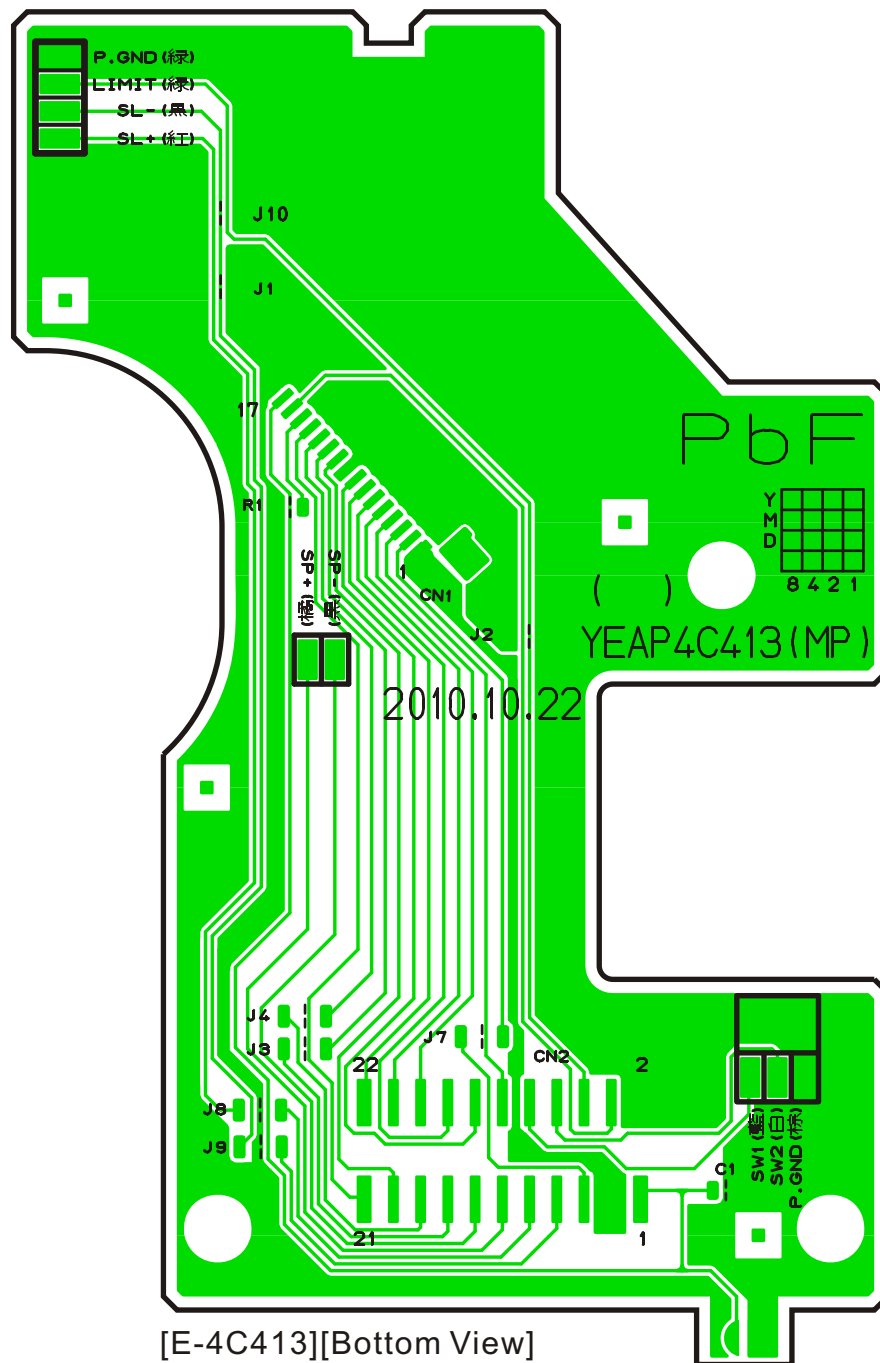


[E-4C425][Bottom View]

CQ-5109U DISPLAY P.C.B



## 9.4. CD Interface Block

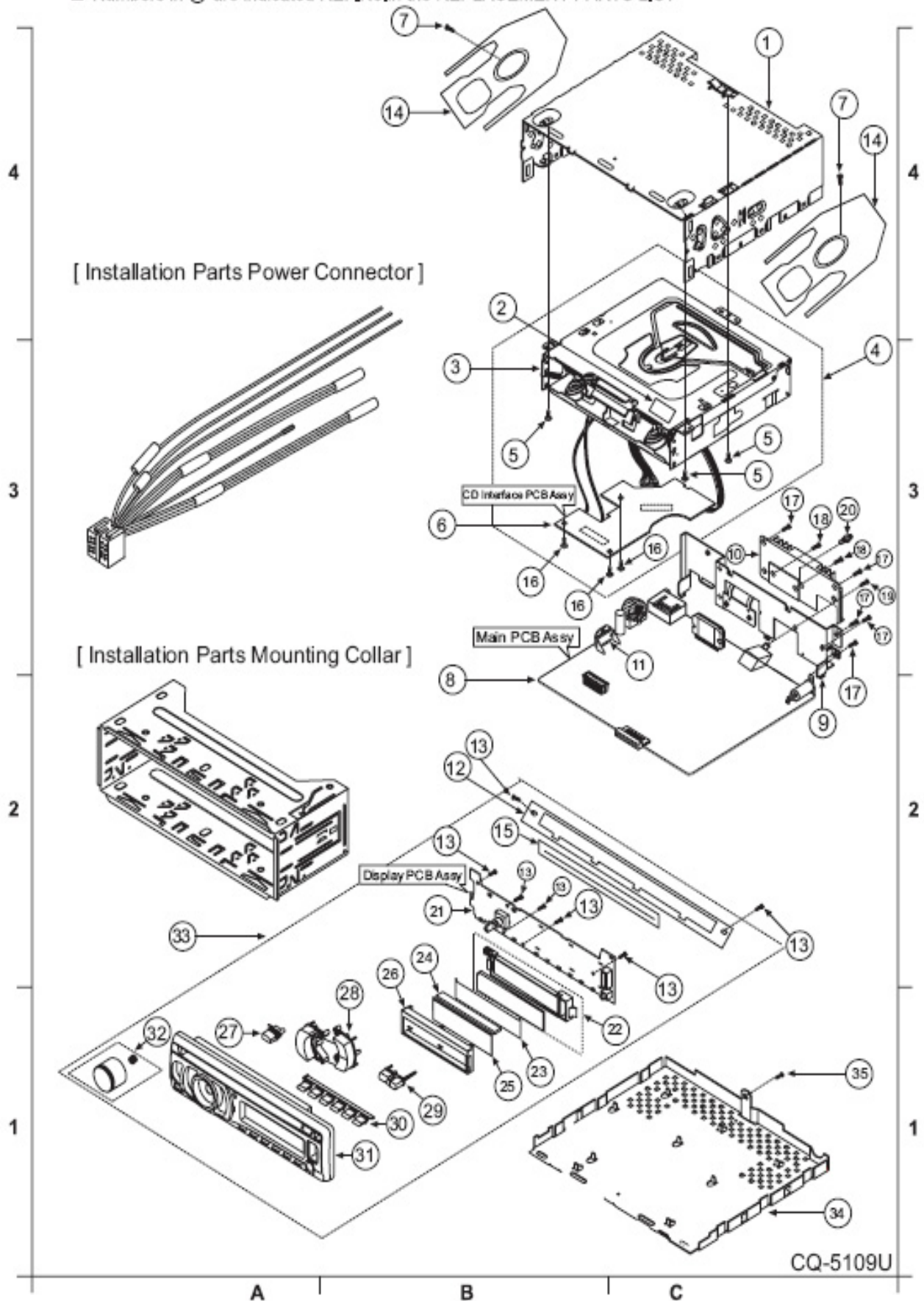


CQ-5109U CD INTERFACE P.C.B

# 10 Exploded View and Replacement Parts List

## 10.1. Exploded View (Unit)

■ Numbers in ○ are indicated REF.No.in the REPLACEMENT PARTS LIST



## 10.2. Replacement Parts List

Notes:

- Be sure to make your orders of replacement parts according to this list.
- Important safety notice: Components, identified by  $\Delta$  mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.
- Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.
- The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.
  - Order intake period is basically six months after the first shipment.
- Reference materials of parts with the "TSN" mark in the remarks column are uploaded in the TSN (Technical Service Navigation) system website. Please download from that website for references.
- "T"marks in remarks column are indicated supply parts of PTW.

Ref No.	Part No.	Part Name & DescriptionPart	Remarks
<b>MAIN BLOCK [E-4C424]</b>			
<b>ICs AND TRANSISTORS</b>			
IC101	C0CBCYG00004	IC	T
IC102	C0JBAZ001961	IC	T
IC103	C0JBAZ001961	IC	T
IC104	C0JBAZ001961	IC	T
IC201	C1AA00000788	IC	T
IC301	C1AB00002836	IC	T
IC401	C5ZBZ0000107	IC	T
IC501	C1BB00001088	IC	T
IC51	C0DBEJG00001	IC	T
IC601	YEAM87835109	IC	T
IC701	C0DAZYY00033	IC	T
IC702	C0DBEYY00005	IC	T
IC703	C0EBY0000389	IC	T
Q301	B1GBCFGA0002	Transistor	T
Q302	B1GBCFGA0002	Transistor	T
Q303	B1GBCFGA0002	Transistor	T
Q304	B1GBCFGA0002	Transistor	T
Q305	B1GDCFNN0002	Transistor	T
Q306	B1GDCFNN0002	Transistor	T
Q401	B1ACFF000001	Transistor	T
Q501	B1BCCF000013	Transistor	T
Q703	B1BBAC000014	Transistor	T
PAC51	J3CZZZ000002	Tuner	T
<b>DIODES</b>			
D103	B0BC5R600003	Diode	T
D104	B0BC5R600003	Diode	T
D105	B0BC5R600003	Diode	T
D201	B0EJAP000001	Diode	T
D202	B0EJAP000001	Diode	T
D203	B0EJAP000001	Diode	T
D204	B0EJAP000001	Diode	T
D205	B0EJAP000001	Diode	T
D206	B0EJAP000001	Diode	T
D207	B0EJAP000001	Diode	T
D208	B0EJAP000001	Diode	T
D51	B0ACCK000005	Diode	T

Ref No.	Part No.	Part Name & DescriptionPart	Remarks
D52	B0ACCK000005	Diode	T
D53	B0ECKM000054	Diode	T
D54	B0ECKM000054	Diode	T
D55	B0ECKM000054	Diode	T
D601	B0ACCK000005	Diode	T
D702	B0ECME000001	Diode	T
D703	B0ECKP000053	Diode	T
D704	B0EAMM000058	Diode	T
D705	B0ECKM000054	Diode	T
D706	B0ECKM000054	Diode	T
D707	B0ECKM000054	Diode	T
D709	D0GDR00JA017	Chip 0 $\Omega$ 1/10W	T
D801	B0BC5R000009	Diode	T
D802	B0BC5R000009	Diode	T
D803	D0GDR00JA017	Chip 0 $\Omega$ 1/10W	T
<b>CAPACITORS</b>			
C101	F1J1H224A679	Ceramic 0.22 $\mu$ F 50WV	T
C102	F1J1H3340002	Ceramic 0.33 $\mu$ F 50WV	T
C103	F2A1C100A401	Electrolytic 10 $\mu$ F 16WV	T
C107	F1J1H224A679	Ceramic 0.22 $\mu$ F 50WV	T
C201	F1J1H224A679	Ceramic 0.22 $\mu$ F 50WV	T
C203	F1J1H224A679	Ceramic 0.22 $\mu$ F 50WV	T
C204	F1J1H224A679	Ceramic 0.22 $\mu$ F 50WV	T
C205	F1J1H224A679	Ceramic 0.22 $\mu$ F 50WV	T
C206	F1J1H224A679	Ceramic 0.22 $\mu$ F 50WV	T
C207	F2A1C220A029	Electrolytic 22 $\mu$ F 16WV	T
C208	F1J1E1050004	Ceramic 1 $\mu$ F 25WV	T
C209	F1J1E1050004	Ceramic 1 $\mu$ F 25WV	T
C210	F1J1H224A679	Ceramic 0.22 $\mu$ F 50WV	T
C211	F1K1H222A116	Ceramic 0.0022 $\mu$ F 50WV	T
C212	F1J1H224A679	Ceramic 0.22 $\mu$ F 50WV	T
C213	F1K1H222A116	Ceramic 0.0022 $\mu$ F 50WV	T
C214	F1J1H224A679	Ceramic 0.22 $\mu$ F 50WV	T
C215	F1K1H222A116	Ceramic 0.0022 $\mu$ F 50WV	T
C216	F1J1H224A679	Ceramic 0.22 $\mu$ F 50WV	T
C217	F1K1H222A116	Ceramic 0.0022 $\mu$ F 50WV	T
C218	F2A1H1R0A407	Electrolytic 1 $\mu$ F 50WV	T
C301	F1J1C2250007	Ceramic 2.2 $\mu$ F 16WV	T
C302	F1J1C2250007	Ceramic 2.2 $\mu$ F 16WV	T
C303	F1J1C2250007	Ceramic 2.2 $\mu$ F 16WV	T
C304	F1J1C2250007	Ceramic 2.2 $\mu$ F 16WV	T
C305	F1J1E1050004	Ceramic 1 $\mu$ F 25WV	T
C306	F1K1C105A051	Ceramic 1 $\mu$ F 16WV	T
C307	F1J1C2250007	Ceramic 2.2 $\mu$ F 16WV	T
C308	F1J1H471A733	Ceramic 470pF 50WV	T
C309	F1K1C225A026	Ceramic 2.2 $\mu$ F 16WV	T
C310	F1K1C225A026	Ceramic 2.2 $\mu$ F 16WV	T
C311	F2A1C100A401	Electrolytic 10 $\mu$ F 16WV	T
C312	F1J1H103A733	Ceramic 0.01 $\mu$ F 50WV	T
C313	F2A1C221A946	Electrolytic 220 $\mu$ F 16WV	T
C314	F1J1E1050004	Ceramic 1 $\mu$ F 25WV	T
C315	F1K1C105A051	Ceramic 1 $\mu$ F 16WV	T
C316	F1J1C2250007	Ceramic 2.2 $\mu$ F 16WV	T
C317	F1J1H471A733	Ceramic 470pF 50WV	T
C318	F1K1C225A026	Ceramic 2.2 $\mu$ F 16WV	T
C319	F1K1C225A026	Ceramic 2.2 $\mu$ F 16WV	T
C320	F1J1H472A733	Ceramic 0.0047 $\mu$ F 50WV	T
C321	F1J1H472A733	Ceramic 0.0047 $\mu$ F 50WV	T
C322	F1J1H472A733	Ceramic 0.0047 $\mu$ F 50WV	T
C323	F1J1H472A733	Ceramic 0.0047 $\mu$ F 50WV	T
C324	F1J1H122A733	Ceramic 1200pF 50WV	T
C325	F1J1H122A733	Ceramic 1200pF 50WV	T
C326	F1J1H122A733	Ceramic 1200pF 50WV	T
C327	F1J1H122A733	Ceramic 1200pF 50WV	T
C328	F2A1H2R2A407	Electrolytic 2.2 $\mu$ F 50WV	T
C401	F1J1H472A733	Ceramic 0.0047 $\mu$ F 50WV	T
C402	F1J1H103A733	Ceramic 0.01 $\mu$ F 50WV	T
C403	F1J1H473A733	Ceramic 0.047 $\mu$ F 50WV	T
C404	F1J1H563A733	Ceramic 0.056 $\mu$ F 50WV	T
C405	F1J1H1040014	Ceramic 0.1 $\mu$ F 50WV	T
C406	F1K1H103A116	Ceramic 0.01 $\mu$ F 50WV	T
C407	F1J1H102A733	Ceramic 1000pF 50WV	T
C408	F1J1H1040014	Ceramic 0.1 $\mu$ F 50WV	T

Ref No.	Part No.	Part Name & DescriptionPart	Remarks
C409	F1J1H103A733	Ceramic 0.01μF 50WV	T
C410	F1J1H1040014	Ceramic 0.1μF 50WV	T
C411	F2A0J101A409	Electrolytic 100μF 6.3WV	T
C412	F1J1H102A733	Ceramic 1000pF 50WV	T
C413	F1J1H101A732	Ceramic 100pF 50WV	T
C416	F1K1C224A020	Ceramic 0.22μF 16WV	T
C417	F1J1H223A725	Ceramic 0.022μF 50WV	T
C418	F1J1H1040014	Ceramic 0.1μF 50WV	T
C419	F1J1H1040014	Ceramic 0.1μF 50WV	T
C422	F2A0J101A409	Electrolytic 100μF 6.3WV	T
C423	F1J1H1040014	Ceramic 0.1μF 50WV	T
C424	F2A0J101A409	Electrolytic 100μF 6.3WV	T
C425	F1J1H1040014	Ceramic 0.1μF 50WV	T
C426	F1J1H1040014	Ceramic 0.1μF 50WV	T
C427	F1J1H680A732	Ceramic 68pF 50WV	T
C428	F1J1H680A732	Ceramic 68pF 50WV	T
C429	F1J1H1040014	Ceramic 0.1μF 50WV	T
C430	F1J1H1040014	Ceramic 0.1μF 50WV	T
C431	F2A0J101A409	Electrolytic 100μF 6.3WV	T
C432	F1J1H1040014	Ceramic 0.1μF 50WV	T
C433	F1J1H1040014	Ceramic 0.1μF 50WV	T
C434	F1J1H1040014	Ceramic 0.1μF 50WV	T
C435	F2A0J101A409	Electrolytic 100μF 6.3WV	T
C436	F1J1H1040014	Ceramic 0.1μF 50WV	T
C437	F2A0J331A020	Electrolytic 330μF 6.3WV	T
C438	F1J1H473A733	Ceramic 0.047μF 50WV	T
C439	F1J1H1040014	Ceramic 0.1μF 50WV	T
C440	F2A0J101A409	Electrolytic 100μF 6.3WV	T
C441	F1J1H1040014	Ceramic 0.1μF 50WV	T
C442	F1J1H103A733	Ceramic 0.01μF 50WV	T
C443	F1J1H1040014	Ceramic 0.1μF 50WV	T
C445	F1J1H1040014	Ceramic 0.1μF 50WV	T
C446	F2A1A121B069	Electrolytic 120μF 10WV	T
C447	F1J1H1040014	Ceramic 0.1μF 50WV	T
C448	F1J1H1040014	Ceramic 0.1μF 50WV	T
C449	F2A1A221A807	Electrolytic 220μF 10WV	T
C450	F2A0J101A409	Electrolytic 100μF 6.3WV	T
C501	F2A1A101A354	Electrolytic 100μF 10WV	T
C502	F1J1H103A733	Ceramic 0.01μF 50WV	T
C503	F1J1H1040014	Ceramic 0.1μF 50WV	T
C504	F2A1C471A030	Electrolytic 470μF 16WV	T
C505	F2A1A121B069	Electrolytic 120μF 10WV	T
C506	F1J1H103A733	Ceramic 0.01μF 50WV	T
C51	F1J1H472A733	Ceramic 0.0047μF 50WV	T
C52	F1J1H472A733	Ceramic 0.0047μF 50WV	T
C53	F2A1A101A354	Electrolytic 100μF 10WV	T
C54	F1J1H1040014	Ceramic 0.1μF 50WV	T
C55	F1J1H1040014	Ceramic 0.1μF 50WV	T
C601	F1J1H101A732	Ceramic 100pF 50WV	T
C602	F1J1H270A732	Ceramic 27pF 50WV	T
C603	F1J1E1050004	Ceramic 1μF 25WV	T
C604	F1J1H270A732	Ceramic 27pF 50WV	T
C605	F1J1H270A732	Ceramic 27pF 50WV	T
C606	F1J1H470A732	Ceramic 47pF 50WV	T
C607	F2A0J102A031	Electrolytic 1000μF 6.3WV	T
C609	F1J1H1040014	Ceramic 0.1μF 50WV	T
C610	F1J1H1040014	Ceramic 0.1μF 50WV	T
C611	F1J1E1050004	Ceramic 1μF 25WV	T
C612	F1J1A106A023	Ceramic 10μF 10WV	T
C613	F1J1H1040014	Ceramic 0.1μF 50WV	T
C701	F1J1H224A679	Ceramic 0.22μF 50WV	T
C702	F2A1C101A405	Electrolytic 100μF 16WV	T
C703	F1J1H1040014	Ceramic 0.1μF 50WV	T
C704	F1J1H224A679	Ceramic 0.22μF 50WV	T
C705	F2A1C101A405	Electrolytic 100μF 16WV	T
C706	F1J1E4740001	Ceramic 0.47μF 25WV	T
C707	F1J1E4740001	Ceramic 0.47μF 25WV	T
C708	F1J1E4740001	Ceramic 0.47μF 25WV	T
C709	F1K1C224A020	Ceramic 0.22μF 16WV	T
C710	F2A1C101A405	Electrolytic 100μF 16WV	T
C713	F2A1C222A715	Electrolytic 2200μF 16WV	T
C714	F1K1C224A020	Ceramic 0.22μF 16WV	T
C715	F1J1H1040014	Ceramic 0.1μF 50WV	T
C716	F1J1H1040014	Ceramic 0.1μF 50WV	T

Ref No.	Part No.	Part Name & DescriptionPart	Remarks
C717	F2A1C100A401	Electrolytic 10μF 16WV	T
C718	F2A1C471A035	Electrolytic 470μF 16WV	T
C719	F2A0J102A031	Electrolytic 1000μF 6.3WV	T
C720	F2A1C222A715	Electrolytic 2200μF 16WV	T
C721	F2A1C471A035	Electrolytic 470μF 16WV	T
C722	F1J1H103A733	Ceramic 0.01μF 50WV	T
C723	F1J1H224A679	Ceramic 0.22μF 50WV	T
C724	F2A1H4R7A019	Electrolytic 4.7μF 50WV	T
C725	F1J1H224A679	Ceramic 0.22μF 50WV	T
C726	F2A1H4R7A019	Electrolytic 4.7μF 50WV	T
<b>RESISTORS</b>			
J101	W6NL	Jumper Wire ( 10 mm )	T
J102	W6NL	Jumper Wire ( 10 mm )	T
J103	W6NL	Jumper Wire ( 10 mm )	T
J104	W6NL	Jumper Wire ( 10 mm )	T
J105	W6NL	Jumper Wire ( 10 mm )	T
J106	W6NL	Jumper Wire ( 10 mm )	T
J107	W6NL	Jumper Wire ( 10 mm )	T
J108	W6NL	Jumper Wire ( 10 mm )	T
J109	W6NL	Jumper Wire ( 10 mm )	T
J11	D0YFR00J0001	Chip 0Ω 1/8W	T
J110	W6NL	Jumper Wire ( 10 mm )	T
J111	W6NL	Jumper Wire ( 10 mm )	T
J112	W6NL	Jumper Wire ( 10 mm )	T
J113	W6NL	Jumper Wire ( 10 mm )	T
J114	W6NL	Jumper Wire ( 10 mm )	T
J115	W6NL	Jumper Wire ( 10 mm )	T
J116	W6NL	Jumper Wire ( 10 mm )	T
J117	W6NL	Jumper Wire ( 10 mm )	T
J118	W6NL	Jumper Wire ( 10 mm )	T
J119	W6NL	Jumper Wire ( 10 mm )	T
J12	D0YFR00J0001	Chip 0Ω 1/8W	T
J120	W6NL	Jumper Wire ( 10 mm )	T
J121	W6NL	Jumper Wire ( 10 mm )	T
J122	W6NL	Jumper Wire ( 10 mm )	T
J123	W6NL	Jumper Wire ( 10 mm )	T
J124	W6NL	Jumper Wire ( 10 mm )	T
J125	W6NL	Jumper Wire ( 10 mm )	T
J126	W6NL	Jumper Wire ( 10 mm )	T
J127	W6NL	Jumper Wire ( 10 mm )	T
J128	W6NL	Jumper Wire ( 10 mm )	T
J129	W6NL	Jumper Wire ( 10 mm )	T
J13	D0YFR00J0001	Chip 0Ω 1/8W	T
J130	W6NL	Jumper Wire ( 10 mm )	T
J131	W6NL	Jumper Wire ( 10 mm )	T
J133	W6NL	Jumper Wire ( 10 mm )	T
J134	W6NL	Jumper Wire ( 10 mm )	T
J135	W6NL	Jumper Wire ( 10 mm )	T
J136	W6NL	Jumper Wire ( 10 mm )	T
J137	W6NL	Jumper Wire ( 10 mm )	T
J138	W6NL	Jumper Wire ( 10 mm )	T
J139	W6NL	Jumper Wire ( 10 mm )	T
J14	D0YFR00J0001	Chip 0Ω 1/8W	T
J140	W6NL	Jumper Wire ( 10 mm )	T
J141	W6NL	Jumper Wire ( 10 mm )	T
J142	W6NL	Jumper Wire ( 10 mm )	T
J143	W6NL	Jumper Wire ( 10 mm )	T
J144	W6NL	Jumper Wire ( 10 mm )	T
J145	W6NL	Jumper Wire ( 10 mm )	T
J146	W6NL	Jumper Wire ( 10 mm )	T
J147	W6NL	Jumper Wire ( 10 mm )	T
J15	D0YFR00J0001	Chip 0Ω 1/8W	T
J151	W6NL	Jumper Wire ( 10 mm )	T
J152	W6NL	Jumper Wire ( 10 mm )	T
J153	W6NL	Jumper Wire ( 10 mm )	T
J154	W6NL	Jumper Wire ( 10 mm )	T
J155	W6NL	Jumper Wire ( 10 mm )	T
J156	W6NL	Jumper Wire ( 10 mm )	T
J157	W6NL	Jumper Wire ( 10 mm )	T
J158	W6NL	Jumper Wire ( 10 mm )	T
J159	W6NL	Jumper Wire ( 10 mm )	T
J16	D0YFR00J0001	Chip 0Ω 1/8W	T
J160	W6NL	Jumper Wire ( 10 mm )	T

Ref No.	Part No.	Part Name & DescriptionPart	Remarks
J161	W6NL	Jumper Wire ( 10 mm )	T
J162	W6NL	Jumper Wire ( 10 mm )	T
J163	W6NL	Jumper Wire ( 10 mm )	T
J164	W6NL	Jumper Wire ( 10 mm )	T
J165	W6NL	Jumper Wire ( 10 mm )	T
J166	W6NL	Jumper Wire ( 10 mm )	T
J167	W6NL	Jumper Wire ( 10 mm )	T
J168	W6NL	Jumper Wire ( 10 mm )	T
J169	W6NL	Jumper Wire ( 10 mm )	T
J17	D0YFR00J0001	Chip 0Ω 1/8W	T
J170	W6NL	Jumper Wire ( 10 mm )	T
J171	W6NL	Jumper Wire ( 10 mm )	T
J172	W6NL	Jumper Wire ( 10 mm )	T
J173	W6NL	Jumper Wire ( 10 mm )	T
J174	W6NL	Jumper Wire ( 10 mm )	T
J175	W6NL	Jumper Wire ( 10 mm )	T
J176	W6NL	Jumper Wire ( 10 mm )	T
J177	W6NL	Jumper Wire ( 10 mm )	T
J178	W6NL	Jumper Wire ( 10 mm )	T
J179	W6NL	Jumper Wire ( 10 mm )	T
J18	D0YFR00J0001	Chip 0Ω 1/8W	T
J180	W6NL	Jumper Wire ( 10 mm )	T
J181	W6NL	Jumper Wire ( 10 mm )	T
J182	W6NL	Jumper Wire ( 10 mm )	T
J183	W6NL	Jumper Wire ( 10 mm )	T
J19	D0YFR00J0001	Chip 0Ω 1/8W	T
J20	D0YFR00J0001	Chip 0Ω 1/8W	T
J22	D0YFR00J0001	Chip 0Ω 1/8W	T
J27	D0GDR00JA017	Chip 0Ω 1/10W	T
J29	D0YFR00J0001	Chip 0Ω 1/8W	T
J51	W6NL	Jumper Wire ( 10 mm )	T
J52	W6NL	Jumper Wire ( 10 mm )	T
J53	W6NL	Jumper Wire ( 10 mm )	T
J54	W6NL	Jumper Wire ( 10 mm )	T
J55	W6NL	Jumper Wire ( 10 mm )	T
J56	W6NL	Jumper Wire ( 10 mm )	T
J57	W6NL	Jumper Wire ( 10 mm )	T
J58	W6NL	Jumper Wire ( 10 mm )	T
J59	W6NL	Jumper Wire ( 10 mm )	T
J60	W6NL	Jumper Wire ( 10 mm )	T
J601	D0GDR00JA017	Chip 0Ω 1/10W	T
J602	D0GDR00JA017	Chip 0Ω 1/10W	T
J603	D0GDR00JA017	Chip 0Ω 1/10W	T
J604	D0GDR00JA017	Chip 0Ω 1/10W	T
J605	D0GDR00JA017	Chip 0Ω 1/10W	T
J606	D0GDR00JA017	Chip 0Ω 1/10W	T
J61	W6NL	Jumper Wire ( 10 mm )	T
J62	W6NL	Jumper Wire ( 10 mm )	T
J63	W6NL	Jumper Wire ( 10 mm )	T
J64	W6NL	Jumper Wire ( 10 mm )	T
J65	W6NL	Jumper Wire ( 10 mm )	T
J66	W6NL	Jumper Wire ( 10 mm )	T
J67	W6NL	Jumper Wire ( 10 mm )	T
J68	W6NL	Jumper Wire ( 10 mm )	T
J801	D0YFR00J0001	Chip 0Ω 1/8W	T
J802	D0YFR00J0001	Chip 0Ω 1/8W	T
J803	D0YFR00J0001	Chip 0Ω 1/8W	T
J804	D0YFR00J0001	Chip 0Ω 1/8W	T
J805	D0YFR00J0001	Chip 0Ω 1/8W	T
J806	D0YFR00J0001	Chip 0Ω 1/8W	T
J807	D0YFR00J0001	Chip 0Ω 1/8W	T
J808	D0YFR00J0001	Chip 0Ω 1/8W	T
J809	D0YFR00J0001	Chip 0Ω 1/8W	T
J810	D0YFR00J0001	Chip 0Ω 1/8W	T
J811	D0YFR00J0001	Chip 0Ω 1/8W	T
J812	D0YFR00J0001	Chip 0Ω 1/8W	T
J813	D0YFR00J0001	Chip 0Ω 1/8W	T
J814	D0YFR00J0001	Chip 0Ω 1/8W	T
J815	D0YFR00J0001	Chip 0Ω 1/8W	T
J816	D0YFR00J0001	Chip 0Ω 1/8W	T
J817	D0YFR00J0001	Chip 0Ω 1/8W	T
J818	D0YFR00J0001	Chip 0Ω 1/8W	T
J819	D0YFR00J0001	Chip 0Ω 1/8W	T
J820	D0YFR00J0001	Chip 0Ω 1/8W	T

Ref No.	Part No.	Part Name & DescriptionPart	Remarks
J821	D0YFR00J0001	Chip 0Ω 1/8W	T
J823	D0YFR00J0001	Chip 0Ω 1/8W	T
J824	D0YFR00J0001	Chip 0Ω 1/8W	T
J825	D0YFR00J0001	Chip 0Ω 1/8W	T
J826	D0YFR00J0001	Chip 0Ω 1/8W	T
J827	D0YFR00J0001	Chip 0Ω 1/8W	T
J828	D0YFR00J0001	Chip 0Ω 1/8W	T
J829	D0YFR00J0001	Chip 0Ω 1/8W	T
J830	D0YFR00J0001	Chip 0Ω 1/8W	T
J831	D0YFR00J0001	Chip 0Ω 1/8W	T
J832	D0YFR00J0001	Chip 0Ω 1/8W	T
J833	D0YFR00J0001	Chip 0Ω 1/8W	T
J834	D0YFR00J0001	Chip 0Ω 1/8W	T
J835	D0YFR00J0001	Chip 0Ω 1/8W	T
J836	D0YFR00J0001	Chip 0Ω 1/8W	T
J837	D0YFR00J0001	Chip 0Ω 1/8W	T
J838	D0YFR00J0001	Chip 0Ω 1/8W	T
R101	D1BD2702A030	Chip 27kΩ 1/10W	T
R102	D1BD1002A030	Chip 10kΩ 1/10W	T
R103	D1BD2001A030	Chip 2kΩ 1/10W	T
R104	D0GD473JA017	Chip 47kΩ 1/10W	T
R105	D0GF101JA014	Chip 100Ω 1/8W	T
R106	D0GD101JA017	Chip 100Ω 1/10W	T
R107	D0GD101JA017	Chip 100Ω 1/10W	T
R108	D0YFR00J0001	Chip 0Ω 1/8W	T
R109	D0GDR00JA017	Chip 0Ω 1/10W	T
R203	D0AE223JA131	Chip 22kΩ 1/4W	T
R204	D0AE473JA131	Chip 47kΩ 1/4W	T
R206	D0GF561JA017	Chip 560Ω 1/8W	T
R207	D0GF561JA017	Chip 560Ω 1/8W	T
R208	D0GF561JA017	Chip 560Ω 1/8W	T
R209	D0GF561JA017	Chip 560Ω 1/8W	T
R301	D0GD682JA017	Chip 6.8kΩ 1/10W	T
R302	D0GD682JA017	Chip 6.8kΩ 1/10W	T
R303	D0GD103JA017	Chip 10kΩ 1/10W	T
R304	D0GD103JA017	Chip 10kΩ 1/10W	T
R305	D0YFR00J0001	Chip 0Ω 1/8W	T
R306	D0GD472JA017	Chip 4.7kΩ 1/10W	T
R307	D0GD103JA017	Chip 10kΩ 1/10W	T
R308	D0GF181JA017	Chip 180Ω 1/8W	T
R309	D0GF181JA017	Chip 180Ω 1/8W	T
R310	D0YFR00J0001	Chip 0Ω 1/8W	T
R311	D0GD221JA017	Chip 220Ω 1/10W	T
R312	D0GD221JA017	Chip 220Ω 1/10W	T
R313	D0GD472JA017	Chip 4.7kΩ 1/10W	T
R314	D0GD103JA017	Chip 10kΩ 1/10W	T
R315	D0GF181JA017	Chip 180Ω 1/8W	T
R316	D0GF181JA017	Chip 180Ω 1/8W	T
R317	D0GD123JA017	Chip 12kΩ 1/10W	T
R318	D0GD123JA017	Chip 12kΩ 1/10W	T
R319	D0AE472JA131	Chip 4.7kΩ 1/4W	T
R320	D0AE472JA131	Chip 4.7kΩ 1/4W	T
R321	D0GD122JA017	Chip 1.2kΩ 1/10W	T
R322	D0GD122JA017	Chip 1.2kΩ 1/10W	T
R323	D0GD122JA017	Chip 1.2kΩ 1/10W	T
R324	D0GD122JA017	Chip 1.2kΩ 1/10W	T
R325	D0GD103JA017	Chip 10kΩ 1/10W	T
R326	D0GD103JA017	Chip 10kΩ 1/10W	T
R327	D0GD103JA017	Chip 10kΩ 1/10W	T
R328	D0GD103JA017	Chip 10kΩ 1/10W	T
R329	D0GD103JA017	Chip 10kΩ 1/10W	T
R330	D0GD103JA017	Chip 10kΩ 1/10W	T
R331	D0GD103JA017	Chip 10kΩ 1/10W	T
R332	D0GD103JA017	Chip 10kΩ 1/10W	T
R333	D0GD271JA017	Chip 270Ω 1/10W	T
R334	D0GD272JA017	Chip 2.7kΩ 1/10W	T
R335	W6NL	Jumper Wire ( 10 mm )	T
R401	D0GD331JA017	Chip 330Ω 1/10W	T
R402	D0GD103JA017	Chip 10kΩ 1/10W	T
R403	D0YFR00J0001	Chip 0Ω 1/8W	T
R404	D0YFR00J0001	Chip 0Ω 1/8W	T
R405	D0YFR00J0001	Chip 0Ω 1/8W	T
R406	D0YFR00J0001	Chip 0Ω 1/8W	T
R407	D0GD683JA017	Chip 68kΩ 1/10W	T

Ref No.	Part No.	Part Name & DescriptionPart	Remarks
R408	D0GD472JA017	Chip 4.7kΩ 1/10W	T
R409	D0GD472JA017	Chip 4.7kΩ 1/10W	T
R411	D0GD223JA017	Chip 22kΩ 1/10W	T
R413	D0GD681JA017	Chip 680Ω 1/10W	T
R414	D0GD681JA017	Chip 680Ω 1/10W	T
R415	D0GD683JA017	Chip 68kΩ 1/10W	T
R416	D0GD104JA017	Chip 100kΩ 1/10W	T
R417	D0GD104JA017	Chip 100kΩ 1/10W	T
R419	D0YFR00J0001	Chip 0Ω 1/8W	T
R420	D0GD392JA017	Chip 3.9kΩ 1/10W	T
R421	D0GD392JA017	Chip 3.9kΩ 1/10W	T
R422	D0GD392JA017	Chip 3.9kΩ 1/10W	T
R423	D0GD273JA017	Chip 27kΩ 1/10W	T
R424	D0GD102JA017	Chip 1kΩ 1/10W	T
R425	D0GD102JA017	Chip 1kΩ 1/10W	T
R426	D0GD102JA017	Chip 1kΩ 1/10W	T
R427	D0GD473JA017	Chip 47kΩ 1/10W	T
R428	D0GD473JA017	Chip 47kΩ 1/10W	T
R429	D0GD473JA017	Chip 47kΩ 1/10W	T
R430	D0GD473JA017	Chip 47kΩ 1/10W	T
R433	D0GD473JA017	Chip 47kΩ 1/10W	T
R434	D0GF272JA017	Chip 2.7kΩ 1/8W	T
R435	D0GD101JA017	Chip 100Ω 1/10W	T
R436	D0GD470JA017	Chip 47kΩ 1/10W	T
R437	D0GDR00JA017	Chip 0Ω 1/10W	T
R438	D0GF4R7JA017	Chip 4.7Ω 1/8W	T
R439	D0GF330JA017	Chip 33Ω 1/8W	T
R440	D0GD5R6JA052	Chip 5.6Ω 1/10W	T
R441	D0GD471JA017	Chip 470Ω 1/10W	T
R442	D0GD102JA017	Chip 1kΩ 1/10W	T
R443	D0GD102JA017	Chip 1kΩ 1/10W	T
R501	D0GD223JA017	Chip 22kΩ 1/10W	T
R502	D0GD682JA017	Chip 6.8kΩ 1/10W	T
R503	D0AE223JA131	Chip 22kΩ 1/4W	T
R504	D0GD153JA017	Chip 15kΩ 1/10W	T
R505	D0GD123JA017	Chip 12kΩ 1/10W	T
R506	D0GD333JA017	Chip 33kΩ 1/10W	T
R507	D0GD622JA017	Chip 6.2kΩ 1/10W	T
R508	D0AE223JA131	Chip 22kΩ 1/4W	T
R509	D0GD622JA017	Chip 6.2kΩ 1/10W	T
R510	D0GD123JA017	Chip 12kΩ 1/10W	T
R511	D0GD163JA017	Chip 16kΩ 1/10W	T
R512	D0GD103JA017	Chip 10kΩ 1/10W	T
R53	D0GD101JA017	Chip 100Ω 1/10W	T
R54	D0GD101JA017	Chip 100Ω 1/10W	T
R57	D0GD101JA017	Chip 100Ω 1/10W	T
R58	D0GF101JA014	Chip 100Ω 1/8W	T
R59	D0GF101JA014	Chip 100Ω 1/8W	T
R606	D0GF102JA014	Chip 1kΩ 1/8W	T
R607	D0GF104JA014	Chip 100kΩ 1/8W	T
R608	D0GD473JA017	Chip 47kΩ 1/10W	T
R609	D0GDR00JA017	Chip 0Ω 1/10W	T
R61	D0GD221JA017	Chip 220Ω 1/10W	T
R610	D0AE473JA131	Chip 47kΩ 1/4W	T
R611	D0GF101JA014	Chip 100Ω 1/8W	T
R612	D0GF101JA014	Chip 100Ω 1/8W	T
R613	D0GD101JA017	Chip 100Ω 1/10W	T
R614	D0GD104JA017	Chip 100kΩ 1/10W	T
R615	D0GD104JA017	Chip 100kΩ 1/10W	T
R616	D0GD104JA017	Chip 100kΩ 1/10W	T
R617	D0GD101JA017	Chip 100Ω 1/10W	T
R618	D0GD564JA017	Chip 560kΩ 1/10W	T
R619	D0GD473JA017	Chip 47kΩ 1/10W	T
R62	D0GD221JA017	Chip 220Ω 1/10W	T
R620	D0GD102JA017	Chip 1kΩ 1/10W	T
R621	D0GF473JA017	Chip 47kΩ 1/8W	T
R622	D0GD104JA017	Chip 100kΩ 1/10W	T
R623	D0GD104JA017	Chip 100kΩ 1/10W	T
R624	D0AE473JA131	Chip 47kΩ 1/4W	T
R626	D0AE102JA131	Chip 1kΩ 1/4W	T
R627	D0GD102JA017	Chip 1kΩ 1/10W	T
R628	D0AE102JA131	Chip 1kΩ 1/4W	T
R629	D0GD473JA017	Chip 47kΩ 1/10W	T
R630	D0GD473JA017	Chip 47kΩ 1/10W	T

Ref No.	Part No.	Part Name & DescriptionPart	Remarks
R631	D0GF473JA017	Chip 47kΩ 1/8W	T
R632	D0GF473JA017	Chip 47kΩ 1/8W	T
R633	D0GD103JA017	Chip 10kΩ 1/10W	T
R634	D0GD103JA017	Chip 10kΩ 1/10W	T
R635	D0AE102JA131	Chip 1kΩ 1/4W	T
R638	D0GD103JA017	Chip 10kΩ 1/10W	T
R639	D0GD221JA017	Chip 220Ω 1/10W	T
R64	D0GD332JA017	Chip 3.3kΩ 1/10W	T
R640	D0GD221JA017	Chip 220Ω 1/10W	T
R642	D0GD101JA017	Chip 100Ω 1/10W	T
R643	D0GD101JA017	Chip 100Ω 1/10W	T
R644	D0GD101JA017	Chip 100Ω 1/10W	T
R645	D0GD101JA017	Chip 100Ω 1/10W	T
R646	D0AE102JA131	Chip 1kΩ 1/4W	T
R647	D0GD101JA017	Chip 100Ω 1/10W	T
R648	D0AE102JA131	Chip 1kΩ 1/4W	T
R649	W6NL	Jumper Wire ( 10 mm )	T
R65	D1BD2702A030	Chip 27kΩ 1/10W	T
R650	D0GF103JA014	Chip 10kΩ 1/8W	T
R651	D0GD103JA017	Chip 10kΩ 1/10W	T
R652	D0GD103JA017	Chip 10kΩ 1/10W	T
R653	D0GF103JA014	Chip 10kΩ 1/8W	T
R654	D0AE102JA131	Chip 1kΩ 1/4W	T
R655	D0AE102JA131	Chip 1kΩ 1/4W	T
R656	D0AE102JA131	Chip 1kΩ 1/4W	T
R657	D0AE102JA131	Chip 1kΩ 1/4W	T
R658	D0AE102JA131	Chip 1kΩ 1/4W	T
R66	D1BD1002A030	Chip 10kΩ 1/10W	T
R701	D1BD1003A066	Chip 100kΩ 1/10W	T
R702	D1BD2402A066	Chip 24kΩ 1/10W	T
R703	D1BD3901A030	Chip 3.9kΩ 1/10W	T
R704	D0GD433JA017	Chip 43kΩ 1/10W	T
R705	D0GF433JA017	Chip 43kΩ 1/8W	T
R706	D0GD222JA017	Chip 2.2kΩ 1/10W	T
R707	D0AE102JA131	Chip 1kΩ 1/4W	T
R710	D0GD102JA017	Chip 1kΩ 1/10W	T
R711	D0GD102JA017	Chip 1kΩ 1/10W	T
R712	D1BD8202A066	Chip 82kΩ 1/10W	T
R713	D1BD8202A066	Chip 82kΩ 1/10W	T
R714	D0GD682JA017	Chip 6.8kΩ 1/10W	T
R715	D0GN4R7JA030	Chip 4.7Ω 1/2W	T
R716	D0GF153JA017	Chip 15kΩ 1/8W	T
R717	D0GD684JA017	Chip 680kΩ 1/10W	T
R718	D1BD4702A030	Chip 47kΩ 1/10W	T
R720	D1BD2203A066	Chip 220kΩ 1/10W	T
R721	D0YFR00J0001	Chip 0Ω 1/8W	T
R722	D0GD562JA017	Chip 5.6kΩ 1/10W	T
R723	D0GD473JA017	Chip 47kΩ 1/10W	T
R801	D0GD103JA017	Chip 10kΩ 1/10W	T
R802	D0GD393JA017	Chip 39kΩ 1/10W	T
R804	D0GD102JA017	Chip 1kΩ 1/10W	T
R805	D0GD102JA017	Chip 1kΩ 1/10W	T
RA601	D1H81024A031	Chip 1kΩ 1/16W	T
RA602	D1H81024A031	Chip 1kΩ 1/16W	T
RA801	D1H81024A031	Chip 1kΩ 1/16W	T
<b>ANT</b>			
JK51	K2JYYA000001	ANT JACK	T
<b>CONNECTORS</b>			
CN101	K1AY110B0002	Connector	T
CN401	K1KY22AA0478	Connector	T
CN701	K1FY118B0002	Connector	T
CN801	K1KY14BA0371	Connector	T
<b>COILS</b>			
L301	G1C100JA0036	RF Coil	T
L402	G1C2R2JA0036	RF Coil	T
L51	G1C5R6JA0036	Coil	T
L601	G1C100JA0036	RF Coil	T
L602	G1C2R2JA0036	RF Coil	T
L701	G0C161MA0074	Choke Coil	T
<b>CRYSTALS</b>			

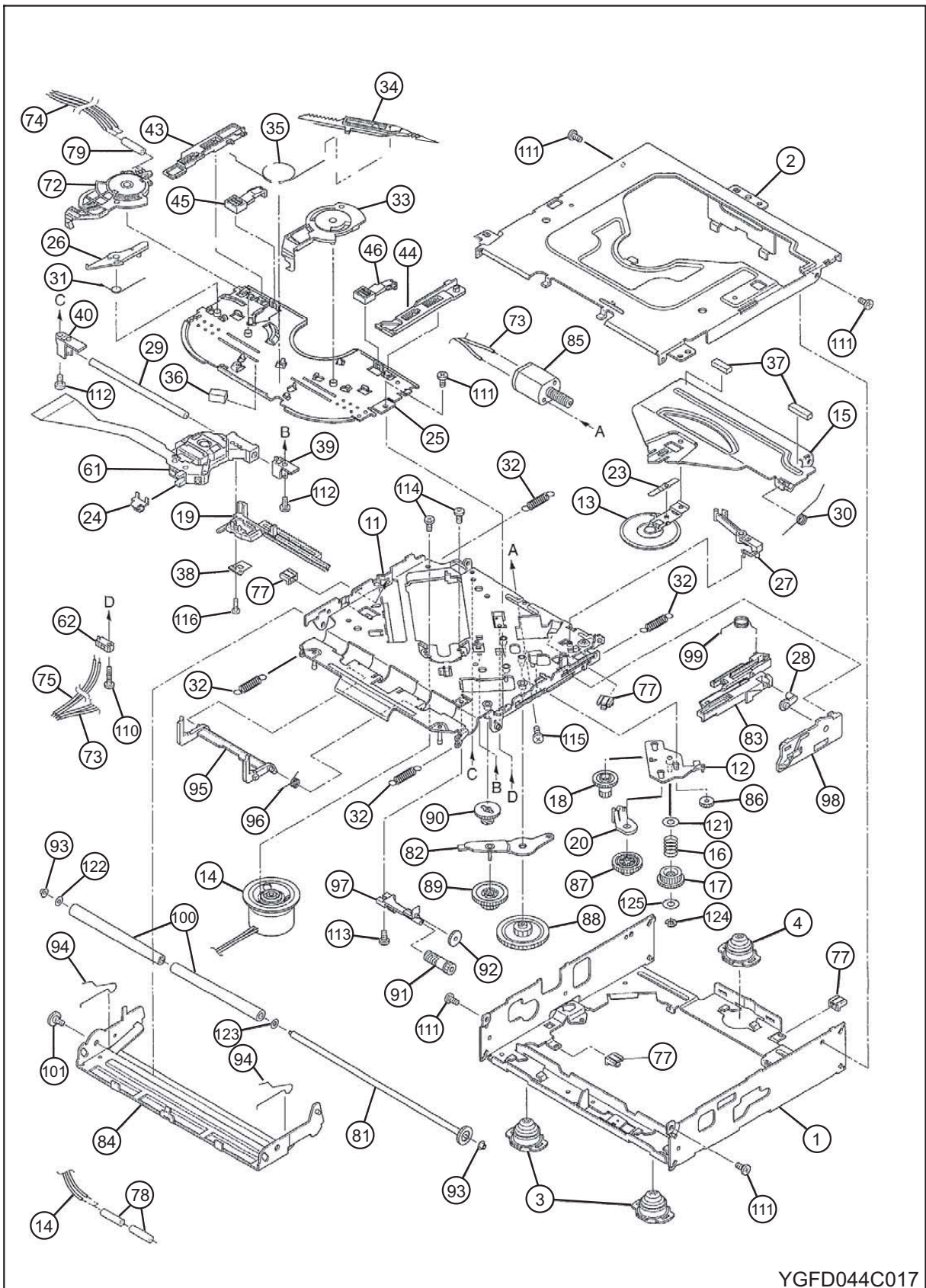
Ref No.	Part No.	Part Name & DescriptionPart	Remarks
X401	YEXL16M9X54A	Crystal	T
X601	H0A327200171	Crystal	T
X602	H0A135500004	Crystal	T
<b>SURGE PROTECTOR</b>			
FL52	J0LY00000010	Surge Protector	T
<b>DISPLAY BLOCK [E-4C425]</b>			
<b>ICs AND TRANSISTOR</b>			
IC901	C0HBA0000246	IC	T
Q900	B1GBCFJJ0002	Transistor	T
<b>DIODES</b>			
D901	B0BC5R000009	Diode	T
D902	B0BC4R0A0006	Diode	T
D903	B0BC4R0A0006	Diode	T
D904	B0BC4R0A0006	Diode	T
D905	MAZ80560ML	Zener Diode	T
D906	MAZ80560ML	Zener Diode	T
D921	B3AAB0000286	LED (RED)	T
D922	B3ABB0000284	LED	T
D923	B3ABB0000284	LED	T
D924	B3ABB0000284	LED	T
D927	B3ABB0000284	LED	T
D928	B3ABB0000284	LED	T
D929	B3ABB0000284	LED	T
D930	B3ABB0000284	LED	T
D931	B3ABB0000284	LED	T
D932	B3ABB0000284	LED	T
D933	B3ABB0000284	LED	T
D934	B3ABB0000284	LED	T
D935	B3ABB0000284	LED	T
D937	B3ABB0000352	LED(GREEN)	T
<b>CAPACITORS</b>			
C901	F1K1H104A116	Ceramic 0.1 $\mu$ F 50WV	T
C902	F1K1H104A116	Ceramic 0.1 $\mu$ F 50WV	T
C903	F1J1A106A023	Ceramic 10 $\mu$ F 6.3WV	T
C904	F1J1A106A023	Ceramic 10 $\mu$ F 6.3WV	T
C905	F1H1H104A783	Ceramic 0.1 $\mu$ F 50WV	T
C906	F1H1H104A783	Ceramic 0.1 $\mu$ F 50WV	T
C907	F1H1H102A842	Ceramic 1000pF 50WV	T
<b>RESISTORS</b>			
J901	D0GDR00JA017	Chip 0 $\Omega$ 1/10W	T
J902	D0GDR00JA017	Chip 0 $\Omega$ 1/10W	T
J903	D0YFR00J0001	Chip 0 $\Omega$ 1/8W	T
R905	D0GD102JA017	Chip 1k $\Omega$ 1/10W	T
R906	D0GD102JA017	Chip 1k $\Omega$ 1/10W	T
R907	D0GF102JA014	Chip 1k $\Omega$ 1/8W	T
R908	D0GF561JA017	Chip 560 $\Omega$ 1/8W	T
R909	D0GF222JA017	Chip 2.2k $\Omega$ 1/8W	T
R911	D0GB100JA008	Chip 10 $\Omega$ 1/16W	T
R912	D0GB100JA008	Chip 10 $\Omega$ 1/16W	T
R913	D0GB4R7JA066	Chip 4.7 $\Omega$ 1/16W	T
R914	D0GB393JA008	Chip 39k $\Omega$ 1/16W	T
R915	D0GF471JA017	Chip 470 $\Omega$ 1/8W	T
R920	D0GF431JA048	Chip 430 $\Omega$ 1/8W	T
R921	D0GD821JA017	Chip 820 $\Omega$ 1/10W	T
R935	D0GF431JA048	Chip 430 $\Omega$ 1/8W	T
R938	D0GF331JA017	Chip 330 $\Omega$ 1/8W	T
R949	D0GF471JA017	Chip 470 $\Omega$ 1/8W	T
R957	D0GDR00JA017	Chip 0 $\Omega$ 1/10W	T
R958	D0GDR00JA017	Chip 0 $\Omega$ 1/10W	T
<b>CONNECTORS</b>			
CN901	K1KY14AA1027	Connector	T
CN902	K2HC1YYA0020	Aux Jack	T
<b>SWITCHES</b>			
SW901	K0H1BA000445	Tack Switch	T
SW902	K0H1BA000445	Tack Switch	T
SW903	K0H1BA000445	Tack Switch	T

Ref No.	Part No.	Part Name & DescriptionPart	Remarks
SW904	K0H1BA000445	Tack Switch	T
SW907	K0H1BA000445	Tack Switch	T
SW908	K0H1BA000445	Tack Switch	T
SW909	K0H1BA000445	Tack Switch	T
SW910	K0H1BA000445	Tack Switch	T
SW911	K0H1BA000445	Tack Switch	T
SW912	K0H1BA000445	Tack Switch	T
SW913	K0H1BA000445	Tack Switch	T
SW914	K0H1BA000445	Tack Switch	T
SW915	K0H1BA000445	Tack Switch	T
<b>VR</b>			
VR903	K9AA024Y0005	Encode VR	T
<b>LCD</b>			
LCD901	YEXDCM4C174	LCD	T
<b>CD INTERFACE BLOCK [E-4C413]</b>			
<b>CAPACITORS</b>			
C1	F1J1H1040014	Ceramic 0.1 $\mu$ F 50WV	T
<b>RESISTORS</b>			
J1	D0YFR00J0001	Chip 0 $\Omega$ 1/8W	T
J10	D0YFR00J0001	Chip 0 $\Omega$ 1/8W	T
J2	D0YFR00J0001	Chip 0 $\Omega$ 1/8W	T
J3	D0YFR00J0001	Chip 0 $\Omega$ 1/8W	T
J4	D0YFR00J0001	Chip 0 $\Omega$ 1/8W	T
J7	D0YFR00J0001	Chip 0 $\Omega$ 1/8W	T
J8	D0YFR00J0001	Chip 0 $\Omega$ 1/8W	T
J9	D0YFR00J0001	Chip 0 $\Omega$ 1/8W	T
R1	D0GDR00JA017	Chip 0 $\Omega$ 1/10W	T
<b>CONNECTORS</b>			
CN1	K1MY17BA0296	Connector	T
CN2	K1KY22AA1031	Connector	T
<b>ACCESSORIES</b>			
<b>PRINTINGS</b>			
	ZZPR5109U	Printing Kit	T
	YFM264C241ZA	Operating Instructions	T
<b>INSTALLATION PARTS</b>			
	FX0214C079YA	Mounting Collar	T
	FP-164	Screw Kit	T
	YEJV014C002N	Mounting Bolt	T
	YFS014C110CA	Rubber Gum	T
	YEFX9994C007	SET ESCAPE CLIP	T
	FX0054C030ZA	Spring Plate	T
<b>MECHANICAL PARTS</b>			
<b>MISCELLANEOUS</b>			
1	YFA034C085CB	Upper Cover	T
2	YFM024C524CA	Laser Note Seal	T
3	YGF044C017	CD Deck (12cm)	T
4	AADK5109U	Deck Assy	T/RTL
5	XTB26+5FFJ	Screw	T
6	APCB413B0	CD Interface PCB Assy	T/RTL
7	XSS5+6FN	Screw	T
8	APCB424A0	Main PCB Assy	T/RTL
9	YFA084C110CA	Rear Plate	T
10	YFF014C072CA	Heat Sink	T
11	YFX214C528CA	TR Bracket	T
12	FX0214C209YA	FIX PLATE	T
13	XTB+2+6GFN	Screw (ESC)	T
14	FX0054C030ZA	SPRING PLATE	T
15	YFS014C030ZA	DUST SHEET	T
16	XTW2+5FFZ	Screw	T
17	XTB3+6FFJ	Screw	T
18	YEJT034C019N	Screw (CUP TIGHT 3X12)	T
19	XSB26+4FN	Screw	T
20	YEJV014C002N	Mounting Bolt	T
21	APCB425A0	Display PCB Assy	T/RTL
22	YFX014C090CA	BACK LIGHT ASSY	T
23	YFV024C104YA	Sheet (LCD)	T

Ref No.	Part No.	Part Name & DescriptionPart	Remarks
24	YFS014C110CA	Rubber Gum	T
25	YEXDCM4C174	LCD	T
26	FX0214C350XA	LCD Bracket	T
27	YFE134C596CA	Button (SRC/PWR)	T
28	YFE134C660ZA	Button (TUNE/SEEK/BAND/MUTE)	T
29	YFE134C597CA	Button (EJ/DISP)	T
30	YFE134C661ZA	Button (PRESET)	T
31	YFC034C265ZA	ESC Printing	T
32	YFE074C092ZA	Vol Knob Assy	T
33	ESC5109U	ESC Unit Assy	T/RTL
34	YFA054C071CA	Under Cover	T
35	XSB3+6FN	SCREW	T



### 10.3. Exploded View (CD Deck)



YGFD044C017

## 10.4. CD Player Parts List

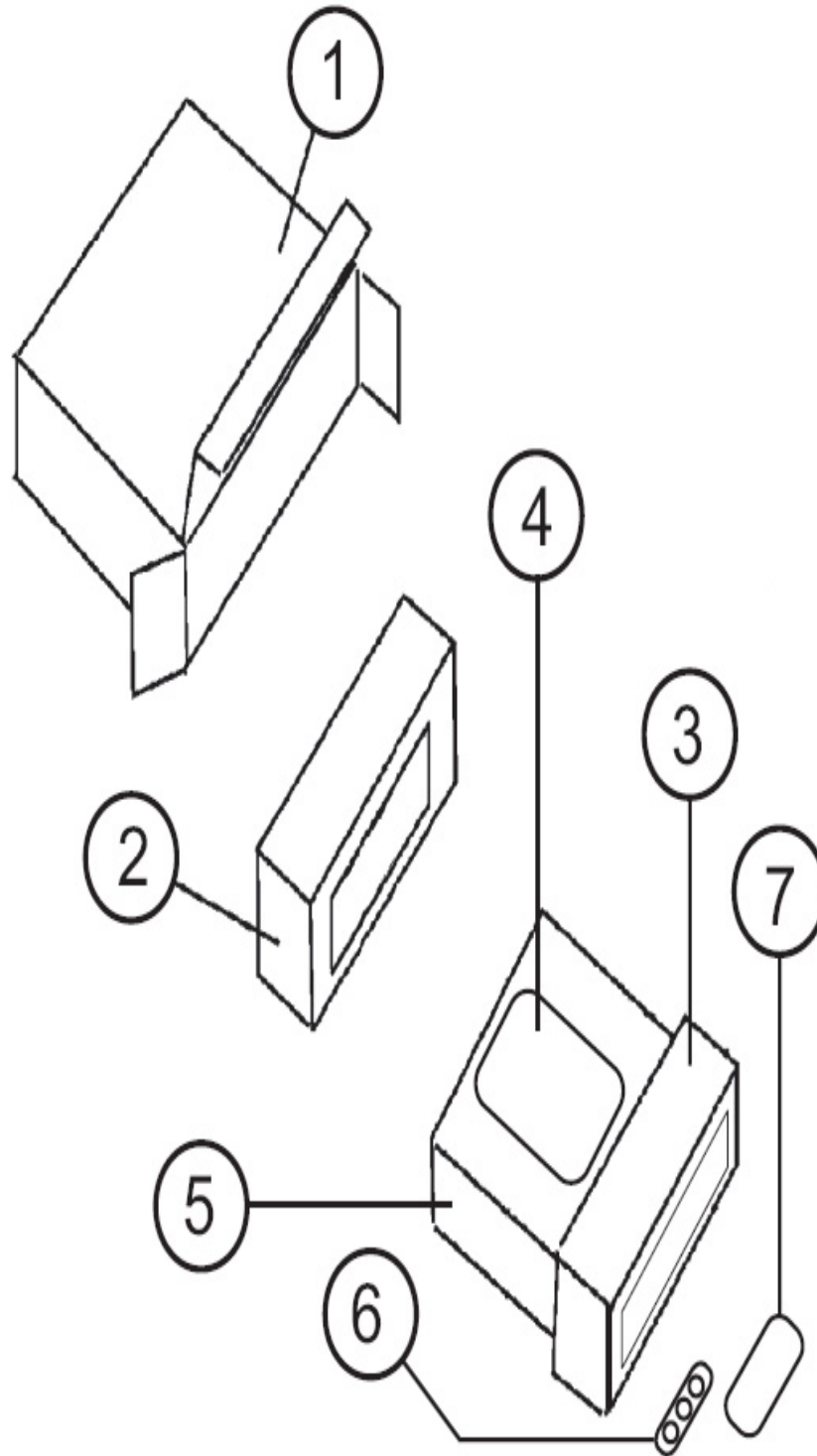
Notes:

1. Be sure to make your orders of replacement parts according to this list.
2. Important safety notice: Components, identified by  $\Delta$  mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.
3. Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.
4. The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.
- Order intake period is basically six months after the first shipment.
5. "T" marks in remarks column are indicated supply parts of PTW.

Ref No.	Part No.	Part Name & Description	Remarks
1	YDFA01000001	FRAME (M2)	T
2	YDFA03000001	TOP COVER (M2)	T
3	YDFX23400001	DAMPER F	T
4	YDFX23400002	DAMPER R	T
11	YDFA01400004	CHASSIS RIVET S ASSY	T
12	YDFP05000001	CHASSIS PLTAE RIVET ASSY(M)	T
13	YDFX23300001	CLAMPER ASSY	T
14	YDAK00100004	SPINDLE MOTOR (M) ASSY	T
15	YDFX24900014	CLAMPER ARM S	T
16	YDFX00500001	CHANGE GEAR SPRING	T
17	YDFX00300001	CHANGE GEAR 2	T
18	YDFX00300002	FEED GEAR	T
19	YDFX00300022	FEED RACK S	T
20	YDFX04600001	CHANGE LOCK LEVER M	T
23	YDFP05000002	CLAMPER SUB SPRING	T
24	YDFK06000008	FD SUB HOLDER M	T
25	YDFP05000003	TOP PLATE (M2)	T
26	YDFX24900002	SELECT LOCK ARM	T
27	YDFX24900004	TRIGGER ARM M	T
28	YDFX21500001	SLIDE HOOK	T
29	YDFW04000009	PU SHAFT M	T
30	YDFX00500002	CLAMPER ARM SPRING M	T
31	YDFX00500026	SELECT LOCK ARM SPRING	T
32	YDFX00500004	SUSPENSION SPRING MS	T
33	YDFX24900003	SELECT ARM R (M2)	T
34	YDFP05000004	LINK PLATE	T
35	YDFX00500005	LINK PLATE SPRING S	T
36	YDFS04000005	CUSHION F	T
37	YDFS04000006	CUSHION R	T
38	YDFP05000005	FEED SPR PLATE M	T
39	YDFK06000009	PU SHAFT HOLDER SA	T
40	YDFK06000010	PU SHAFT HOLDER SB	T
43	YDFP05000006	SELECT PLATE L	T
44	YDFP05000007	SELECT PLATE R	T
45	YDFP05000008	SELECT PIECE L	T
46	YDFP05000009	SELECT PIECE R	T
61	YDFX26100004	PICK UP SF-C250	T
62	YDAS00100003	DET SW P389-00	T
72	YDFP05000010	MODE SW	T
73	YDAJ00100010	LD WIRE (PA)	T
74	YDAJ00100011	MODE SW WIRE (S)	T
75	YDAJ00100012	REST SW WIRE (PA)	T
77	YDFX00700001	WIRE CLAMPER M	T
78	YDFX02400001	WIRE TUBE SPM	T

Ref No.	Part No.	Part Name & Description	Remarks
79	YDFX02400002	WIRE TUBE MSW	T
81	YDFX21800003	ROLLER SHAFT ASSY	T
82	YDFP05000011	LOADING GEAR PLATE RIVET ASSY	T
83	YDFP05000012	LOADING PLATE ASSY	T
84	YDFP05000030	LOCK ARM RIVET ASSY (S)	T
85	YDAK00200005	LOADING / FEED MOTOR ASSY (M)	T
86	YDFX00300004	LOADING GEAR 1	T
87	YDFX00300005	LOADING GEAR 2	T
88	YDFX00300006	LOADING GEAR 3	T
89	YDFX00300007	LOADING GEAR 4	T
90	YDFX00300008	LOADING GEAR 5	T
91	YDFX00300009	LOADING GEAR 6	T
92	YDFX00300010	LOADING GEAR 7	T
93	YDFX23900004	ROLLER GUIDE (N)	T
94	YDFX00500006	ROLLER GUIDE SPRING	T
95	YDFX24900005	DISC STOPPER ARM	T
96	YDFX00500007	DISC STOP ARM SPRING	T
97	YDFP05000014	LD GEAR BRACKET	T
98	YDFP05000015	L SLIDE PLATE	T
99	YDFX00500008	LOADING PLATE SPRING	T
100	YDFX21800004	LDG ROLLER (C)	T
101	YDJS02000001	COLLAR SCREW	T
110	YDJS03000007	TAPPING SCREW 2X6	T
111	YDJS03000001	TAPPING SCREW 2X3	T
112	YDJS03000002	TAPPING SCREW 2X4	T
113	YDJS03000003	TAPPING BIND SCREW 2X4	T
114	YDJS02000002	CAMERA SCREW 1.7X1.8	T
115	YDJS02000003	CAMERA SCREW 2X2	T
116	YDJS02000004	CAMERA TAPPING SCREW P3 M1.7X5	T
121	YDFW04000002	PW 3.5X8X0.3	T
122	YDFW02000007	SUS W2.05X4.2X0.2	T
123	YDFW02000002	LUMILAR WASHER 3.1X6X0.1	T
124	YDJE01000001	E RING S 1.5	T
125	YDFW04000003	PW 2.1X4X0.13	T

## 10.5. Packing Parts List

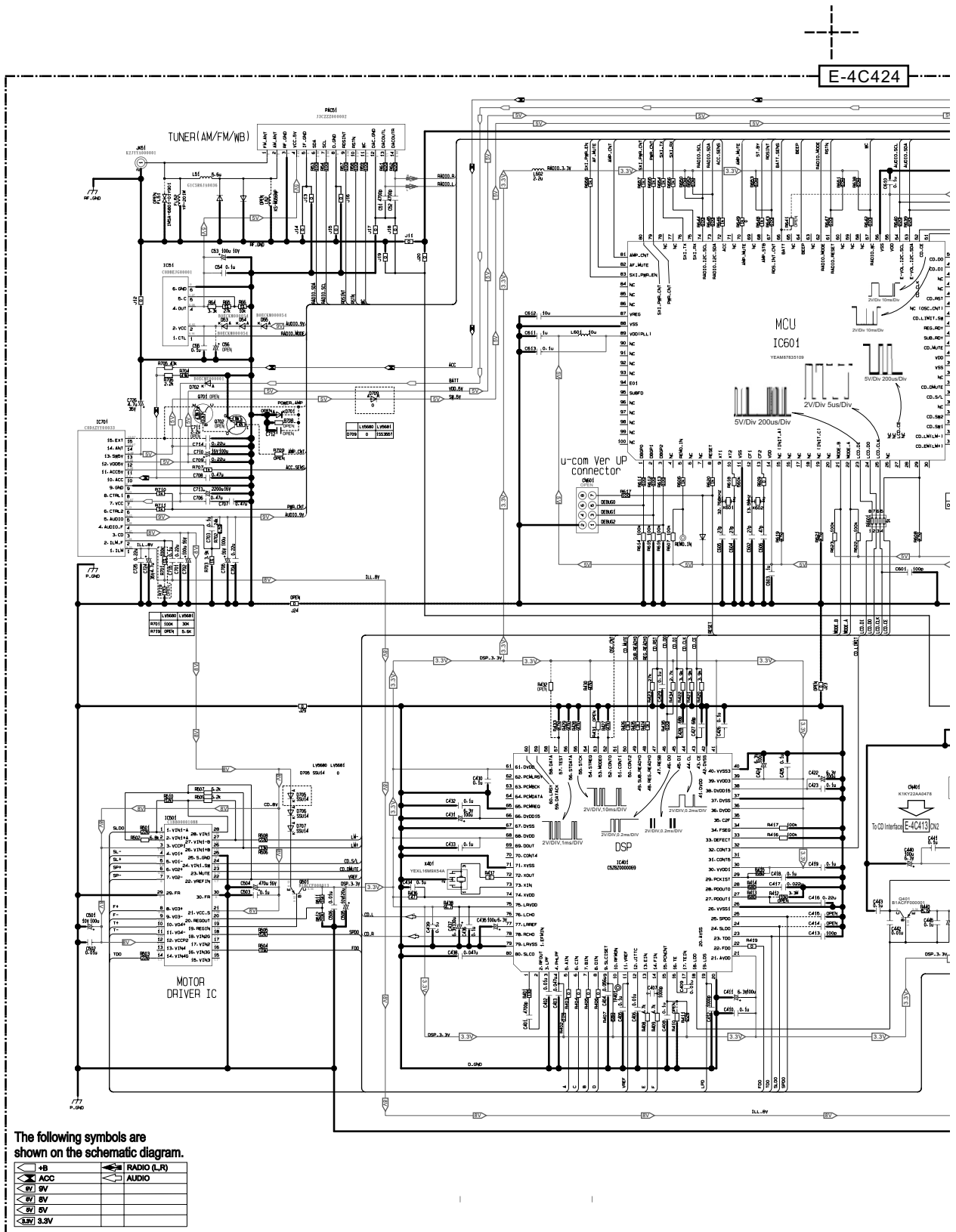


■ Item numbers listed below should not order regular spare parts. (not available)

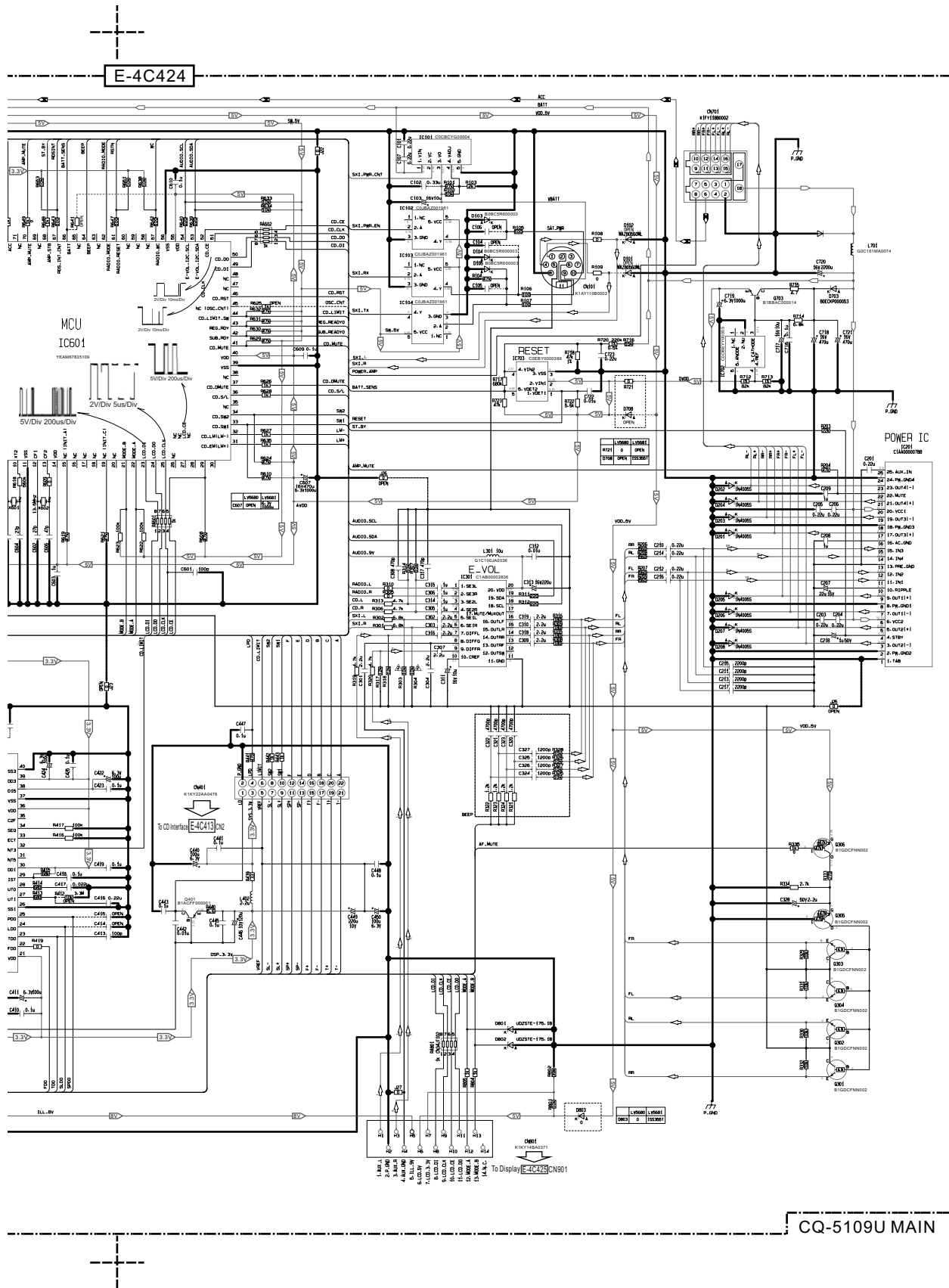
Item No	Parts No.	Part Name & Description	Qty	Remarks
1	YFU034C693ZA	Inner Carton	1	Not available
2	YFU044C101CB	Packing Pylon (Front)	1	Not available
3	YFU044C102CB	Packing Pylon (Rear)	1	Not available
4	ZZPR5109U	Printing Kit	1	T
5	-	SET	1	T
6	YFG044C002ZA	STAY	1	T
7	FP-164	BIS-KIT	1	T

# 11 Schematic Diagram for Printing with Letter Size

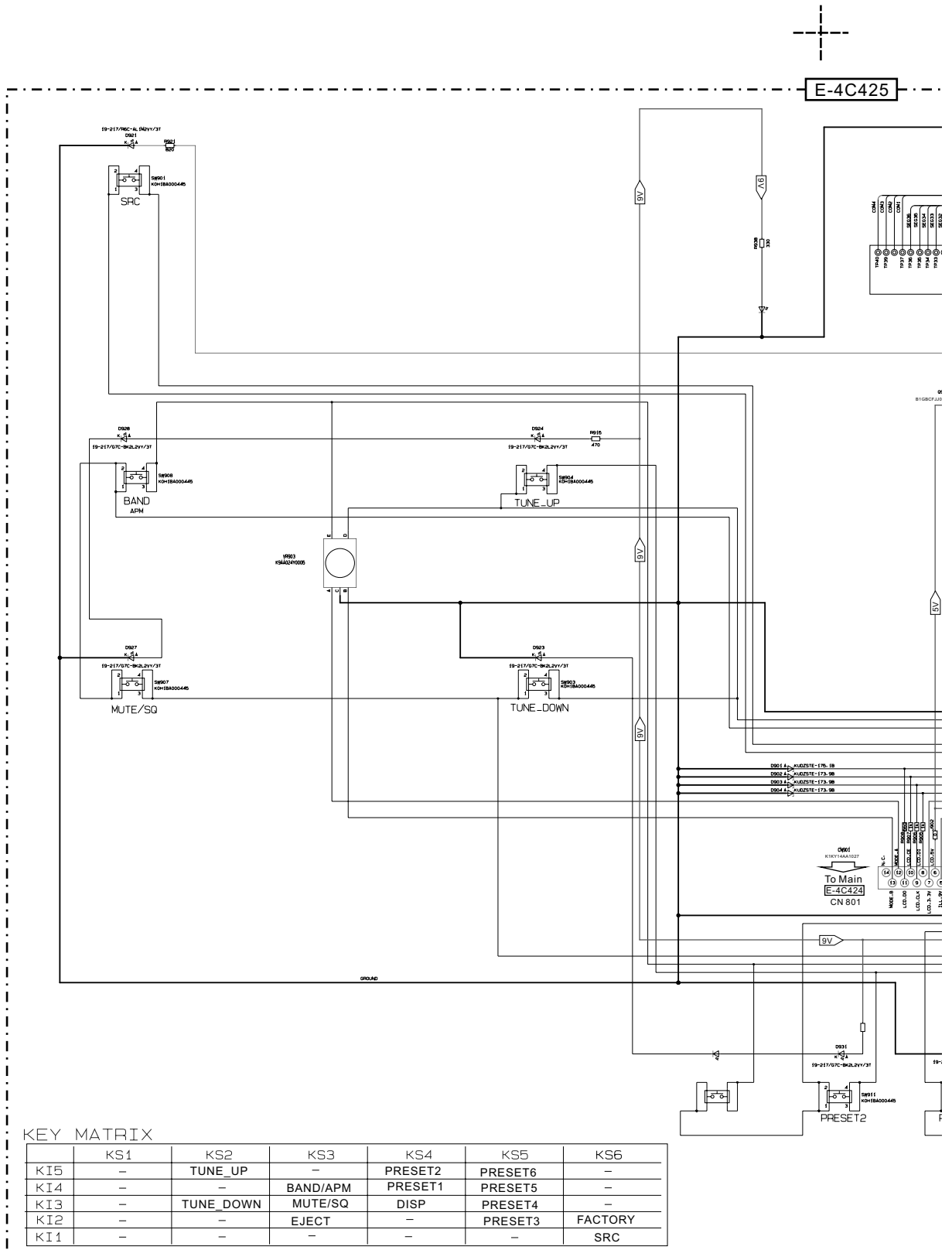
## 11.1. Main Block (Left Side)



# 11.2. Main Block (Right Side)



# 11.3. Display Block (Left Side)



# 11.4. Display Block (Right Side)

