

Service Manual

AUTOMOTIVE AFTERMARKET

**WMA****MP3****((X))**
READY**SIRIUS**
READY**SRS**
WOW

(CQ-C7413U)

CQ-C7413U**CQ-C7113U****WMA MP3 CD Player/Receiver**

(CQ-C7413U)

Specifications*

General

Power Supply	DC 12V (11V - 16V), Test Voltage 14.4V Negative Ground
Tone Controls (Bass/Treble)	Bass: ± 12 dB at 60Hz Treble: ± 12 dB at 16kHz
Equalizer Center Frequency	60, 160, 400, 1k, 3k, 6k, 16k Hz (CQ-C7413U)
Equalizer Center Frequency	Band 1 (60, 80, 100, 200 Hz) Band 2 (500, 1k, 2k, 3k Hz) Band 3 (10k, 12k, 15k, 18k Hz) (CQ-C7113U)
Variable Range of Equalizer	-12dB to 12dB (2dB step)
Current Consumption	Less than 2.2A (CD mode; 0.5W $\times$ 4-speaker)
Maximum Power Output	50W $\times$ 4(at 1kHz)
Speaker Impedance	4 - 8 Ω
Pre-amp Output Voltage	
<CQ-C7413U>	5V (CD mode; 1kHz, 0dB)
<CQ-C7113U>	2V (CD mode; 1kHz, 0dB)
Subwoofer Output Voltage	
<CQ-C7413U>	5V (CD mode; 1kHz, 0dB)
<CQ-C7113U>	2V (CD mode; 1kHz, 0dB)
Pre-amp Output Impedance	
<CQ-C7413U>	60 Ω
<CQ-C7113U>	200 Ω
Subwoofer Output Impedance	

<CQ-C7413U>	60 Ω
<CQ-C7113U>	200 Ω
FM Stereo Radio	
Frequency Range	87.9MHz - 107.9MHz
Usable Sensitivity	10.2dBf (0.9 μ V, 75 Ω)
50dB Quieting Sensitivity	15.2dBf (1.6 μ V, 75 Ω)
Frequency Response	30Hz-15kHz (± 3 dB)
Alternate Channel Selectivity	75dB
Stereo Separation	35dB (at 1kHz)
Image Response Ratio	75dB
IF Response Ratio	100dB
Signal to Noise Ratio	62dB
AM Radio	
Frequency Range	530kHz - 1,710kHz
Usable Sensitivity	27dB/ μ V (S/N 20dB)
CD Player	
Sampling Frequency	8 Times Oversampling
DA Converter	4 DAC System
Pick-up Type	Astigma 3-Beam
Light Source	Semiconductor Laser
Wave Length	790 nm
Frequency Response	20 Hz-20kHz (± 1 dB)
Signal to Noise Ratio	96dB
Total Harmonic Distortion	0.01% (1kHz)
Wow and Flutter	Below Measurable Limits
Channel Separation	75dB
Dimensions (W×H×D)**	
	7"×1-15/16"×6-1/8" (178×50×155mm)
Weight**	
	3 lbs. 8oz (1.6 kg)

Panasonic®

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* Specifications and the design are subject to possible modification without notice due to improvements.

** Dimensions and Weight shown are approximate.

** Above specifications comply with EIA standards.

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 ABOUT LEAD FREE SOLDER (PbF)

Distinction of PbF PCB:

PCBs (manufactured) 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)
- This lead free solder will be used for the products after serial No. 1,000,001.

2 FEATUERS

- Hands Free Phone System. (The optional Bluetooth hands-free kit: CY-BT100U)
- Expansion Module (The optional Hub unit: CY-EM100U)
- The optional adapter allows you to connect the optional Panasonic DVD changer unit (CX-DH801U).
- The optional adapter allows you to connect the optional Panasonic CD changer unit (CX-DP880).
- The optional adapter allows you to connect the optional iPod® series.
- XM Satellite Radio. (The optional XM receiver: XMD-1000)
- Sirius Satellite Radio. (The optional Sirius Satellite receiver: SIR-PAN1)
- SQ (Sound Quality).
- SQ7 (7-Band Sound Quality) [CQ-C7413U].
- SQ3 (3-Band Sound Quality) [CQ-C7113U].
- D.M(Direct Memory)
- Customize the Display (Customize Function)
- MP3/WMA Playback from CD-R/RW.
- This manual is for 2 models CQ-C7413U and CQ-C7113U. The following table describes the differences between 2 models.

Features	Models	CQ-C7413U	CQ-C7113U
Subwoofer-output		5 V (60 Ω)	2 V (200 Ω)
Preout		5 V (60 Ω)	2 V (200 Ω)
SRS WOW		Yes	No
Customize function		Yes	No
SQ		SQ7	SQ3
SBC-SW		Yes	No
HPF		Yes	No

3 REPLACEING THE FUSE

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

4 MAINTENANCE

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

5 NOTES

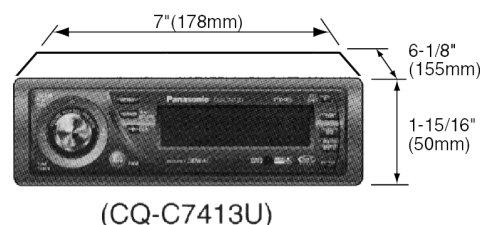
[RADIO BLOCK]

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

6 DIMENSIONS



7 LASER PRODUCTS

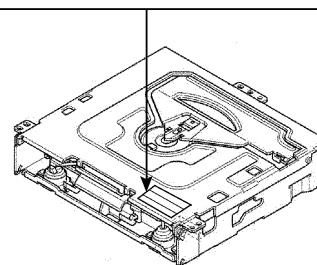
CAUTION:

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! Visible and invisible laser radiation when open. Avoid direct exposure to beam.



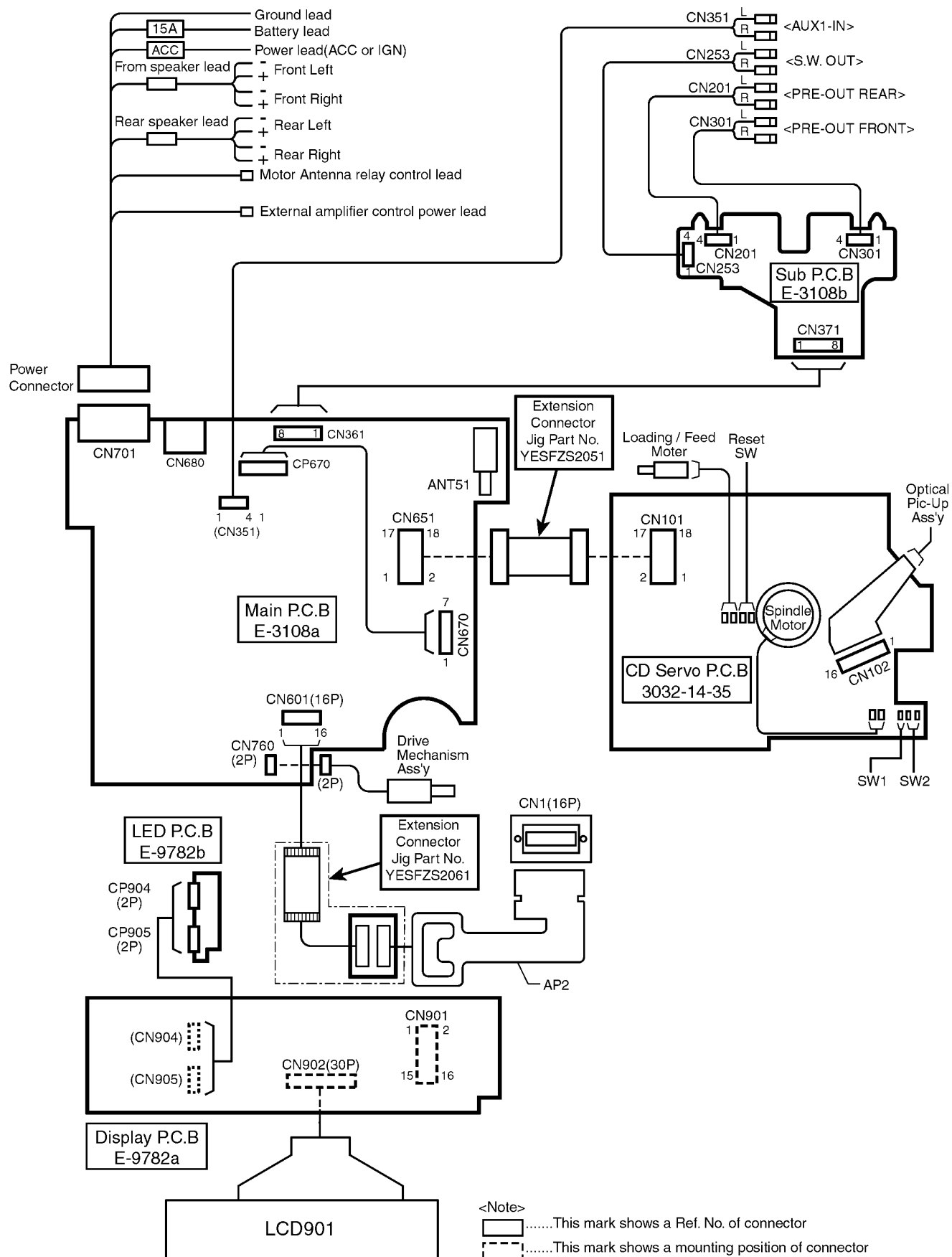
Deck Ass'y (Upper Side)

Caution

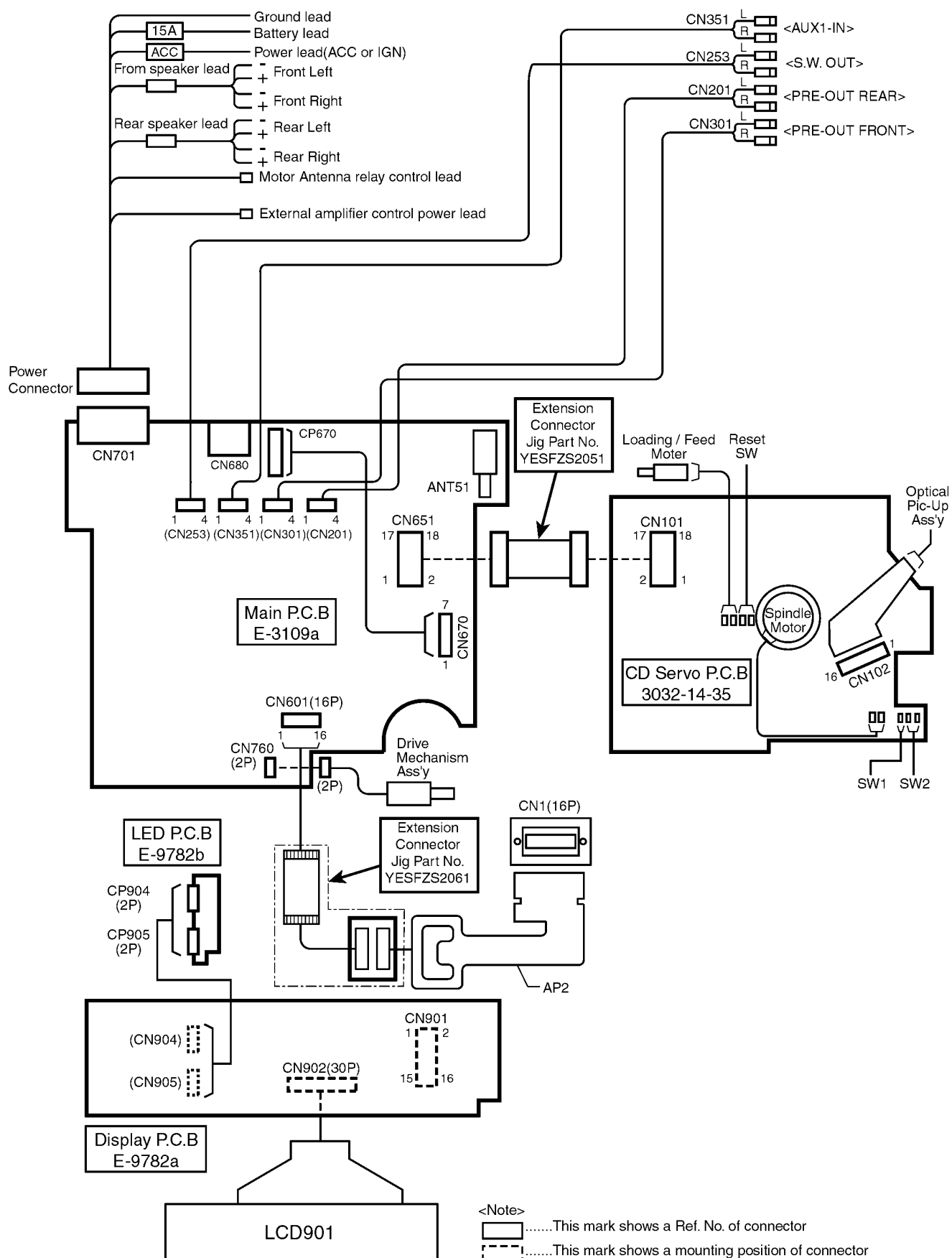
This Product utilizes a laser. Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

8 WIRING CONNECTION

8.1. CQ-C7413U



8.2. CQ-C7113U

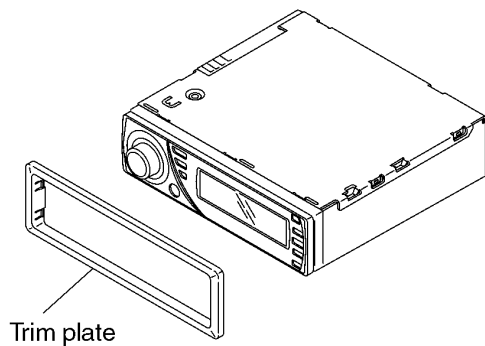


9 DISASSEMBLY INSTRUCTIONS

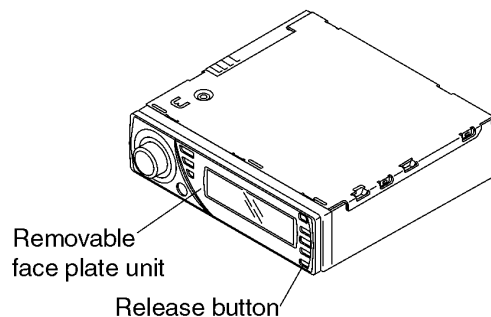
9.1. How to Remove the Flexible PCB(AP2)

■ How to remove the flexible PCB(AP2)

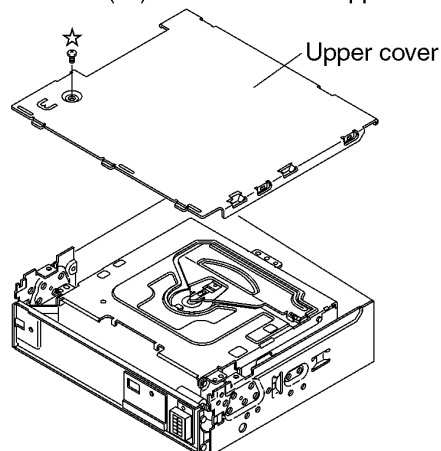
1. Remove the trim plate.



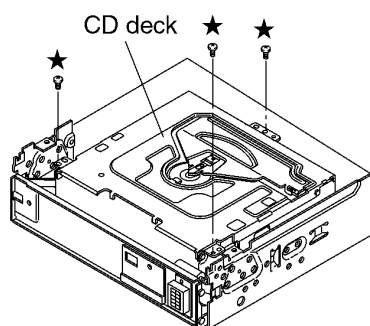
2. Remove the removable face plate unit by pressing the release button.



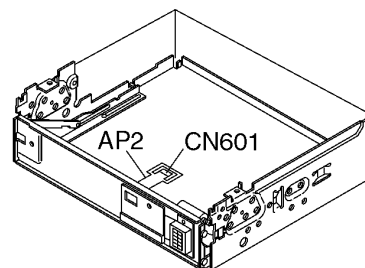
3. Remove the screw(☆) and take off the Upper cover.



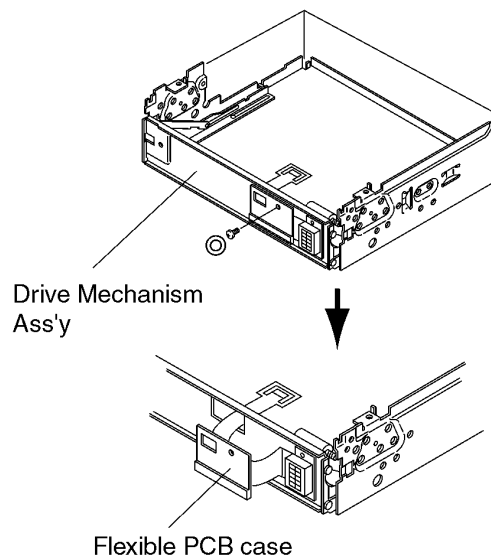
4. Remove the 3 screws(★) and take off the CD deck.



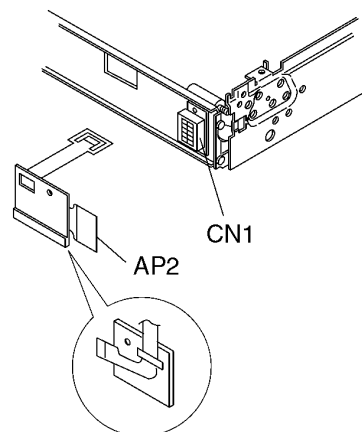
5. Remove the flexible PCB(AP2) from the CN601 (E-3108a) or (E-3109a).



6. Remove the screw(◎) from the Drive Mechanism Ass'y and remove the flexible PCB case.



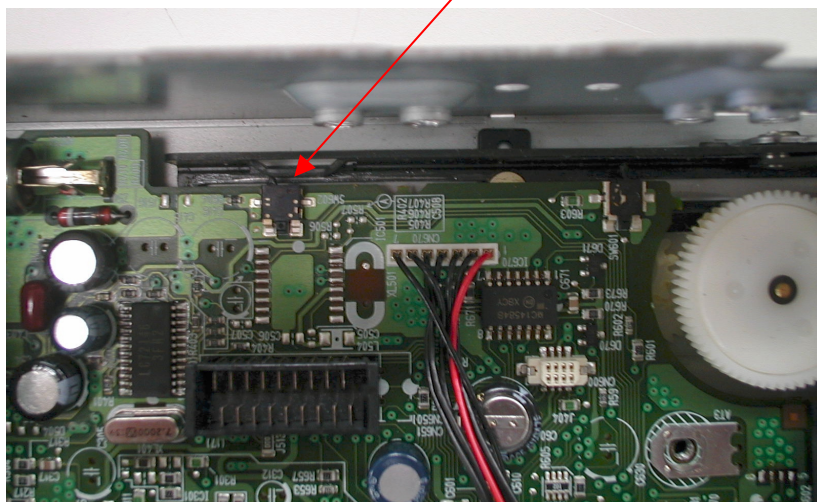
7. Remove the flexible PCB(AP2) from the CN1.



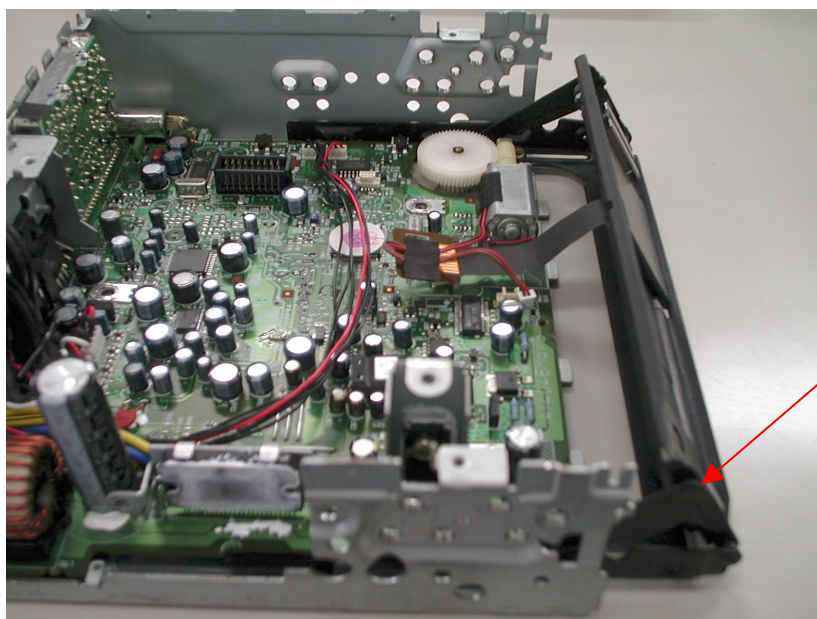
9.2. How to Install the Main P.C.B. of the Electric Display

Please install as shown below in order to prevent damages on the end detection switch of the slide mechanism.

If the main P.C.B is installed when the slide mechanism is not moved forward, the switch will hit the metal part and will be damaged.

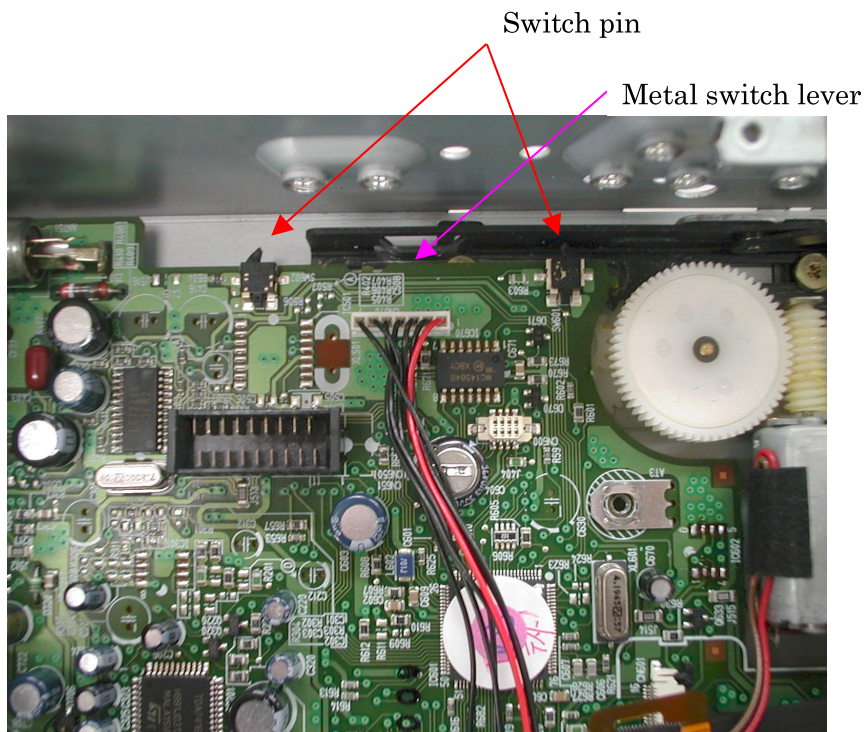


Move the front side by hand and install the main P.C.B. to the chassis when it is tilted 45 degrees.



When tilted 45 degrees

If the front side is tilted 45 degrees, the movable metal lever will not cling onto the switch pin.



10 TERMINALS DESCRIPTION

10.1. Main Block [CQ-C7413U]

IC601 : C2CBKG000035

Pin No.	Port	Part Name & Description	I/O	FM	AM	CD
1	PANEL OPEN	Panel open detection	I	0	5.2	5.2
2	PANEL CLOSE	Panel close detection	I	0	0	5.2
3	SUBM CNT	3.3V power control for Display	O	5	-	-
4	BATT	Battery power check	I	4.8	5	5
5	ACC	Acc. power check	I	4.8	5	5
6	SDA	Serial data for electronic volume	I/O	4.9	4.9	4.9
7	SCLK	Serial clock for electronic volume	O	4.9	4.9	4.9
8	CD MUTE	Signal mute from CD deck	I	5	5	5
9	Vss	GND	-	0	0	0
10	ST	FM stereo detection	I	5.1	5.2	5.2
11	PLL DI (MO)	Serial data to PLL	O	0.6	0	0
12	PLL DO (MI)	Serial data from PLL	I	5.2	5.2	5.2
13	PLL CLK	Serial clock for PLL	O	4.9	4.9	4.9
14	PLL CE	Chip enable for PLL	O	0	0	0
15	CD RESET	Reset for CD deck	O	4.9	4.9	4.9
16	SUB SI	Serial data to Display CPU	O	0.6	0.6	0.8
17	CD IN	Disc-in detection	I	5	5	5
18	SUB SO	Serial data from Display CPU	I	4.4	4.4	4.4
19	CH DATA/ UP SO	XM SO/UP SO Serial data from Changer	I	1.6	1.6	1.6
20	CH CLK/ UP CLK	Serial clock for Changer or Flash writer	I	4.9	4.9	4.9
21	Vdd	+5V power supply	-	4.9	4.9	4.9
22	XM SI (MO)/ UP SI	Serial data to Satellite or Flash writer	O	0	0	0
23	CD SI (MO)	Serial data to CD deck	O	0	0	0
24	CD SCLK	Serial clock for CD deck	I/O	0	0.4	0
25	CONDENSOR	Capacitor connection for power	-	3.3	3.3	3.3
26	CD SO (MI)	Serial data from CD deck	I	0	0	0
27	CH STB	Strobe from Changer	I	0	0	0
28	CH REM OUT	Remote control codes to Changer	O	4.9	4.9	0.4
29	DECK V CONT	Power control for CD deck	O	4.9	4.9	4.9
30	REMO INT	Interrupt for remote control	I	3.7	3.7	3.7
31	CD FS	Frame sync. for CD deck	O	-	-	-
32	Avdd	+5V power supply	-	5.1	5.1	5.1
33	AVREF	+5V power supply	-	5.1	5.1	5.1
34	AVGND	GND	-	0	0	0
35	AVSS	GND	-	0	0	0
36	SD	FM/AM signal level meter	I	0.2	0	0.3
37	INIT A	Model setting A by voltage level	I	0	0	0
38	INIT B	Model setting B by voltage level	I	0	0	0
39	A IN	Spectrum analyzer data	I	0	0	0
40	Vss	GND	-	0	0	0
41	SYS ID1	Hub connection device detection ID 1	I	0	0	0
42	SYS ID2	Hub connection device detection ID 2	I	5.2	5.2	5.2

Pin No.	Port	Part Name & Description	I/O	FM	AM	CD
43	HUB EVENT	Bluetooth incoming detection	I	5.2	5.2	5.2
44	HUB CNT	Request of hub connection check	O	0	0	0
45	CD SW1	Disc detection switch 1	I	0	0	0
46	CD SW2	Disc detection switch 2	I	0	0	0
47	MOD0	Operating mode control 0 from Flash writer	I	5.1	5.1	5.1
48	MOD1	Operating mode control 1: pulled up to H	-	5.1	5.1	5.1
49	MOD2	Operating mode control 2 from Flash writer	I	0	0	0
50	H STANDBY	Standby control from external	I	5	5	5
51	DCDC CONT	Not connected	-	-	-	-
52	FP MOTOR1	Open/Close of Front panel 1	O	4.9	5	4.9
53	FP MOTOR2	Open/Close of Front panel 2	O	4.9	5	4.9
54	V CONT1	Reference voltage control for motor driver	O	0	0	5
55	REMO 1	Remote control data	I	5	5	5
56	SA CLK	Spectrum analyzer clock	O	5	5	4.9
57	EXT MUTE	Pulled up to H	I	5.3	5.2	5.2
58	AMP CONT	Power control for external Amplifier	O	4.9	5	4.9
59	BZ OUT	Buzzer signal	O	0	0	0
60	OEL VCONT	Not connected	-	-	-	-
61	WOW MODE1	SRS WOW mode 1	O	0	0	0
62	WOW MODE2	SRS WOW mode 2	O	0	0	0
63	WOW MODE3	SRS WOW mode 3	O	0	0	0
64	DIM1	Not connected	-	-	-	-
65	DIM2	Not connected	-	-	-	-
66	MAIN CNT2	Power control for Hub	O	5	5	5
67	SRC KEY	SOURCE key detection	I	5	4.9	5
68	PANEL IN	Panel attachment detection	I	-	-	-
69	RDS CLK	Not connected	-	-	-	-
70	NC	Not connected	-	-	-	-
71	RDS DATA	Not connected	-	-	-	-
72	MAIN CONT	Main power control	O	4.9	4.9	4.9
73	INV CONT	Dimmer power control	O	5	5	5
74	AF MUTE	Audio mute	O	5	5	5
75	RESET	Reset	I	5	5	5
76	FOCUS ELV	Focus elevation for SRS WOW	O	-	-	-
77	X1A	Oscillator clock	O	2.1	2.1	2.1
78	X0A	Oscillator clock	I	1.6	1.6	1.6
79	Vss	GND	-	0	0	0
80	X1	Crystal oscillator clock	I	2	2	2
81	X2	Crystal oscillator clock	O	2.5	2.5	2.5
82	Vdd	+5V power supply	-	5	5	5
83	P00	Pulled down to L	-	0	0	0
84	P01	Pulled up to H	-	5.1	5	5.1
85	OFFSET DET	Audio clipping level detection from Power amp.	I	0	0	0
86	STBY	Standby for Power amp.	O	5	5	5
87	MUTE	Mute for Power amp.	O	0	0	0
88	ILL SENS	Pulled up to H	-	5	5	5
89	NC	Not connected	-	-	-	-

Pin No.	Port	Part Name & Description	I/O	FM	AM	CD
90	PE DO(MI)	-	-	-	-	-
91	NC	Not connected	-	-	-	-
92	NC	Not connected	-	-	-	-
93	SUB RESET	Reset for display CPU	O	4.9	5	4.9
94	DISPM CONT	5V power control for Display	O	0	0	0
95	NC	Not connected	-	-	-	-
96	NC	Not connected	-	-	-	-
97	NC	Not connected	-	-	-	-
98	S LED	Security LED drive	O	0	0	5
99	ANT CONT	Power control for antenna motor	O	5.2	5.2	5.2
100	EP CS	Not connected	-	-	-	-

10.2. Main Block [CQ-C7113U]

IC601 : C2CBKG000035

Pin No.	Port	Part Name & Description	I/O	FM	AM	CD
1	PANEL OPEN	Panel open detection	I	0	5.2	5.2
2	PANEL CLOSE	Panel close detection	I	0	0	5.2
3	SUBM CNT	3.3V power control for Display	O	5	-	-
4	BATT	Battery power check	I	4.8	5	5
5	ACC	Acc. power check	I	4.8	5	5
6	SDA	Serial data for electronic volume	I/O	4.9	4.9	4.9
7	SCLK	Serial clock for electronic volume	O	4.9	4.9	4.9
8	CD MUTE	Signal mute from CD deck	I	5	5	5
9	Vss	GND	-	0	0	0
10	ST	FM stereo detection	I	5.1	5.2	5.2
11	PLL DI (MO)	Serial data to PLL	O	0.6	0	0
12	PLL DO (MI)	Serial data from PLL	I	5.2	5.2	5.2
13	PLL CLK	Serial clock for PLL	O	4.9	4.9	4.9
14	PLL CE	Chip enable for PLL	O	0	0	0
15	CD RESET	Reset for CD deck	O	4.9	4.9	4.9
16	SUB SI	Serial data to Display CPU	O	0.6	0.6	0.8
17	CD IN	Disc-in detection	I	5	5	5
18	SUB SO	Serial data from Display CPU	I	4.4	4.4	4.4
19	CH DATA/ UP SO	XM SO/UP SO Serial data from Changer	I	1.6	1.6	1.6
20	CH CLK/ UP CLK	Serial clock for Changer or Flash writer	I	4.9	4.9	4.9
21	Vdd	+5V power supply	-	4.9	4.9	4.9
22	XM SI (MO)/ UP SI	Serial data to Satellite or Flash writer	O	0	0	0
23	CD SI (MO)	Serial data to CD deck	O	0	0	0
24	CD SCLK	Serial clock for CD deck	I/O	0	0.4	0
25	CONDENSOR	Capacitor connection for power	-	3.3	3.3	3.3
26	CD SO (MI)	Serial data from CD deck	I	0	0	0
27	CH STB	Strobe from Changer	I	0	0	0
28	CH REM OUT	Remote control codes to Changer	O	4.9	4.9	0.4
29	DECK V CONT	Power control for CD deck	O	4.9	4.9	4.9
30	NC	Not connected	-	-	-	-
31	CD FS	Frame sync. for CD deck	O	-	-	-
32	Avdd	+5V power supply	-	5.1	5.1	5.1
33	AVREF	+5V power supply	-	5.1	5.1	5.1
34	AVGND	GND	-	0	0	0
35	AVSS	GND	-	0	0	0
36	SD	FM/AM signal level meter	I	0.2	0	0.3
37	INIT A	Model setting A by voltage level	I	0	0	0
38	INIT B	Model setting B by voltage level	I	0	0	0
39	A IN	Spectrum analyzer data	I	0	0	0
40	Vss	GND	-	0	0	0
41	SYS ID1	Hub connection device detection ID 1	I	0	0	0
42	SYS ID2	Hub connection device detection ID 2	I	5.2	5.2	5.2
43	HUB EVENT	Bluetooth incoming detection	I	5.2	5.2	5.2

Pin No.	Port	Part Name & Description	I/O	FM	AM	CD
44	HUB CNT	Request of hub connection check	O	0	0	0
45	CD SW1	Disc detection switch 1	I	0	0	0
46	CD SW2	Disc detection switch 2	I	0	0	0
47	MOD0	Operating mode control 0 from Flash writer	I	5.1	5.1	5.1
48	MOD1	Operating mode control 1: pulled up to H	-	5.1	5.1	5.1
49	MOD2	Operating mode control 2 from Flash writer	I	0	0	0
50	H STANDBY	Standby control from external	I	5	5	5
51	DCDC CONT	Not connected	-	-	-	-
52	FP MOTOR1	Open/Close of Front panel 1	O	4.9	5	4.9
53	FP MOTOR2	Open/Close of Front panel 2	O	4.9	5	4.9
54	V CONT1	Reference voltage control for motor driver	O	0	0	5
55	REMO 1	Remote control data	I	5	5	5
56	SA CLK	Spectrum analyzer clock	O	5	5	4.9
57	EXT MUTE	Pulled up to H	I	5.3	5.2	5.2
58	AMP CONT	Power control for external Amplifier	O	4.9	5	4.9
59	BZ OUT	Buzzer signal	O	0	0	0
60	NC	Not connected	-	-	-	-
61	WOW MODE1	Not connected	-	-	-	-
62	WOW MODE2	Not connected	-	-	-	-
63	WOW MODE3	Not connected	-	-	-	-
64	DIM1	Not connected	-	-	-	-
65	DIM2	Not connected	-	-	-	-
66	MAIN CNT2	Power control for Hub	O	5	5	5
67	SRC KEY	SOURCE key detection	I	5	4.9	5
68	PANEL IN	Panel attachment detection	I	-	-	-
69	NC	Not connected	-	-	-	-
70	NC	Not connected	-	-	-	-
71	NC	Not connected	-	-	-	-
72	MAIN CONT	Main power control	O	4.9	4.9	4.9
73	INV CONT	Dimmer power control	O	5	5	5
74	AF MUTE	Audio mute	O	5	5	5
75	RESET	Reset	I	5	5	5
76	FOCUS ELV	Not connected	-	-	-	-
77	X1A	Oscillator clock	O	2.1	2.1	2.1
78	X0A	Oscillator clock	I	1.6	1.6	1.6
79	Vss	GND	-	0	0	0
80	X1	Crystal oscillator clock	I	2	2	2
81	X2	Crystal oscillator clock	O	2.5	2.5	2.5
82	Vdd	+5V power supply	-	5	5	5
83	P00	Pulled down to L	-	0	0	0
84	P01	Pulled up to H	-	5.1	5	5.1
85	OFFSET DET	Audio clipping level detection from Power amp.	I	0	0	0
86	STBY	Standby for Power amp.	O	5	5	5
87	MUTE	Mute for Power amp.	O	0	0	0
88	ILL SENS	Pulled up to H	-	5	5	5
89	NC	Not connected	-	-	-	-
90	NC	Not connected	-	-	-	-
91	NC	Not connected	-	-	-	-
92	NC	Not connected	-	-	-	-
93	SUB RESET	Reset for display CPU	O	4.9	5	4.9

Pin No.	Port	Part Name & Description	I/O	FM	AM	CD
94	DISPM CONT	5V power control for Display	O	0	0	0
95	EJE IU	Not connected	-	-	-	-
96	NC	Not connected	-	-	-	-
97	NC	Not connected	-	-	-	-
98	S LED	Security LED drive	O	0	0	5
99	ANT CONT	Power control for antenna motor	O	5.2	5.2	5.2
100	EP CS	Not connected	-	-	-	-

10.3. Display Block

IC900 : C2CBJH000133 [CQ-C7413U]

IC900 : C2CBJH000134 [CQ-C7113U]

Pin No.	Port	Part Name & Description	I/O	(V)
1	A18	A18 in Address bus	O	1.5
2	A19	A19 in Address bus	O	1.7
3	A20	A20 in Address bus	O	1.3
4	NC	Not connected	-	-
5	LED G	-	-	-
6	LED B	-	-	-
7	A0	A0 in address bus for LCD	O	1.3
8	A1	A1 in Address bus	O	0.3
9	VSS	GND	-	-
10	A2	A2 in Address bus	O	0.4
11	A3	A3 in Address bus	O	0.4
12	A4	A4 in Address bus	O	0.4
13	A5	A5 in Address bus	O	1.3
14	A6	A6 in Address bus	O	0.4
15	A7	A7 in Address bus	O	0
16	A8	A8 in Address bus	O	1.3
17	A9	A9 in Address bus	O	0
18	A10	A10 in Address bus	O	0
19	A11	A11 in Address bus	O	1.5
20	A12	A12 in Address bus	O	1.7
21	VCC	+3.3V Power supply	-	3.5
22	A13	A13 in Address bus	O	1.4
23	A14	A14 in Address bus	O	1.5
24	A15	A15 in Address bus	O	1.7
25	SIN0	Serial data from Main CPU or Flash writer	I	0.5
26	SOT0	Serial data to Main CPU or Flash writer	O	1.8
27	SCK0	Serial clock for Flash writer	I	3.5
28	NC	Not connected	-	-
29	FRASH RESET	Reset for Flash memory	O	3.5
30	KS1	Key scan 1	O	0
31	NC	Not connected	-	-
32	NC	Not connected	-	-
33	AVCC	+3.3V Power supply	-	3.5
34	AVRH	+3.3V Power supply	-	3.5
35	AVSS/AVRL	GND	-	-
36	TH DETECT	Pulled up to H	-	1.3
37	KS2	Key scan 2	O	0
38	KS3	Key scan 3	O	0
39	NC	Not connected	-	-
40	VSS	GND	-	-
41	KI5	Key-in return 5	I	0
42	KI4	Key-in return 4	I	0
43	KI3	Key-in return 3	I	0
44	KI2	Key-in return 2	I	0
45	NC	Pulled down to L	-	0
46	NC	Pulled up to H	-	3.5
47	MD0	Operating mode control 0 from Flash writer	I	3.5
48	MD1	Operating mode control 1: pulled up to H	-	3.5
49	MD2	Operating mode control 2 from Flash writer	I	0
50	NC	Not connected	-	-
51	ROTARY 1	Volume-up detection from Rotary encoder	I	2.5
52	ROTARY 2	Volume-down detection from Rotary encoder	I	2.5
53	NC	Not connected	-	-

Pin No.	Port	Part Name & Description	I/O	(V)
54	NC	Not connected	-	-
55	NC	Not connected	-	-
56	NC	Not connected	-	-
57	NC	Not connected	-	-
58	FLASH CE	Chip enable for Flash memory	O	3.4
59	LCD CS	LCD chip select	O	3.4
60	LED R			
61	NC	Not connected	-	-
62	NC	Not connected	-	-
63	NC	Not connected	-	-
64	VLCD CONT	Power control for LCD	O	3.4
65	NC	Not connected	-	-
66	NC	Not connected	-	-
67	NC	Not connected	-	-
68	NC	Not connected	-	-
69	OE/RD	Output enable for Flash memory or Read strobe for LCD	O	3.4
70	LCD WR	Write strobe for LCD	O	3.4
71	FLASH WE	Write enable for Flash memory	O	3.4
72	NC	Not connected	-	-
73	LCD RESET	Reset for LCD	O	3.4
74	FLASH RY/BY	Ready/Busy from Flash memory	I	3.4
75	RST	Reset	I	3.5
76	NC	Not connected	-	-
77	NC	Not connected	-	-
78	X0A	GND	-	-
79	VSS	GND	-	-
80	X0	System clock (12.5MHz)	I	1.3
81	X1	System clock (12.5MHz)	O	1.5
82	VCC	+3.3V Power supply	-	3.5
83	D0	D0 in Data bus	I/O	0.9
84	D1	D0 in Data bus	I/O	0.9
85	D2	D0 in Data bus	I/O	1.1
86	D3	D0 in Data bus	I/O	0.9
87	D4	D0 in Data bus	I/O	1.0
88	D5	D0 in Data bus	I/O	1.1
89	D6	D0 in Data bus	I/O	1.1
90	D7	D0 in Data bus	I/O	0.9
91	D8	D0 in Data bus	I/O	0.9
92	D9	D0 in Data bus	I/O	0.9
93	D10	D0 in Data bus	I/O	0.9
94	D11	D0 in Data bus	I/O	0.5
95	D12	D0 in Data bus	I/O	0.9
96	D13	D0 in Data bus	I/O	0.7
97	D14	D0 in Data bus	I/O	0.7
98	D15	D0 in Data bus	I/O	0.7
99	A16	A16 in Address bus	O	3.0
100	A17	A17 in Address bus	O	1.7

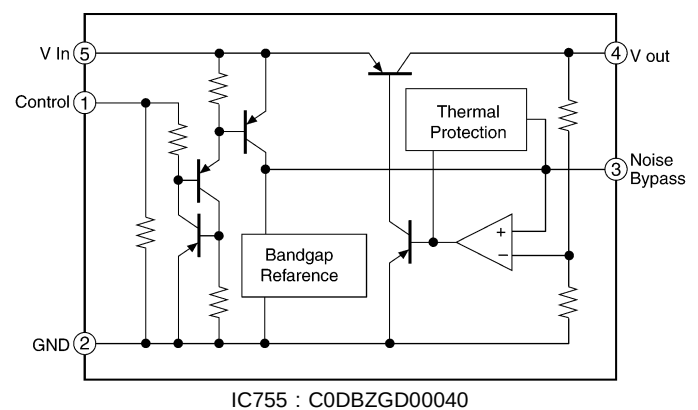
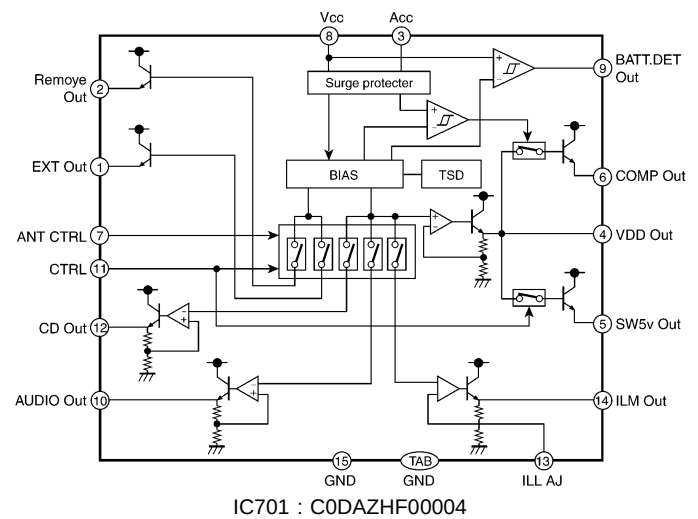
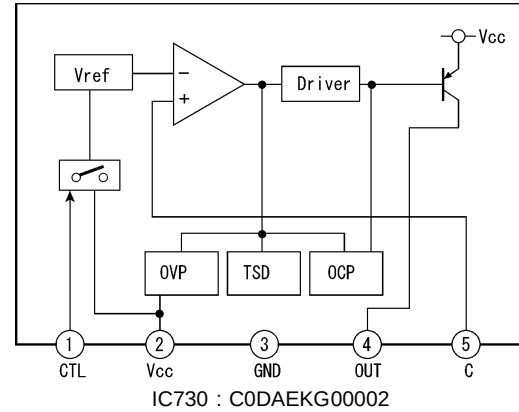
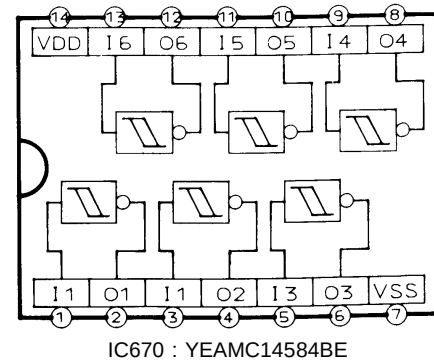
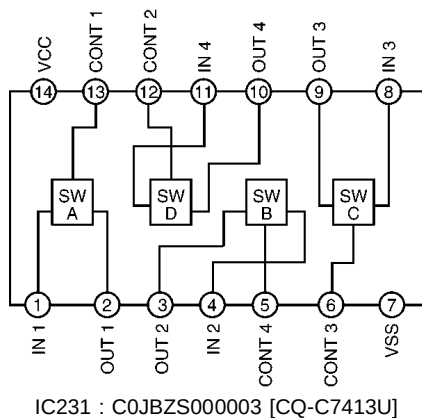
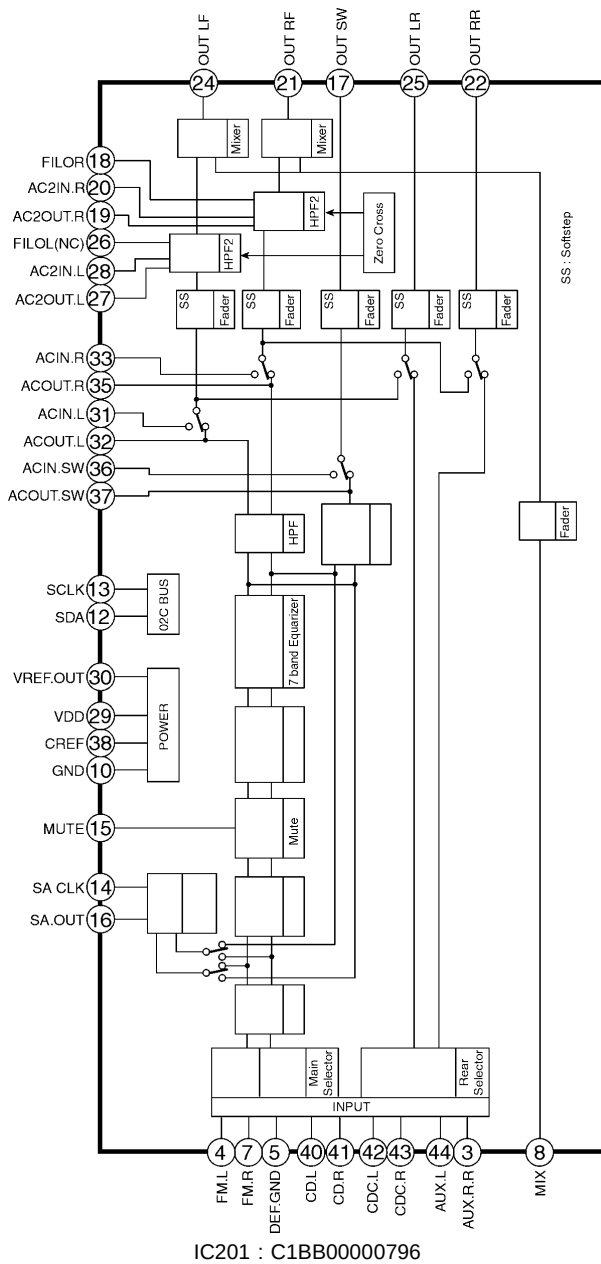
10.4. CD Servo Block

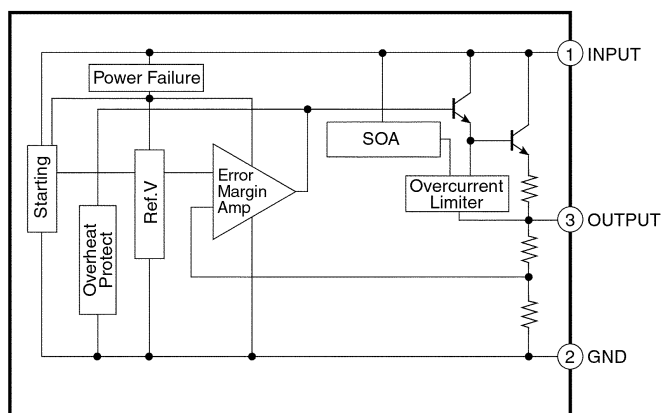
IC101 : YESAM337

Pin No.	Port	Descriptions	I/O	(V)
1	AVSS	GND	-	0
2	LD-MT	Loading Motor drive IC control 1	O	3.2
3	CNT	Loading Motor drive IC control 2	O	3.2
4	-	-	-	-
5	LD-EJ	Loading Motor drive IC control (Eject)	O	0
6	AMUTE	Mute signal output	O	0
7	-	-	-	-
8	SBSY	DSP IC SBSY	O	0
9	-	-	-	-
10	-	-	-	-
11	TXD0	Serial data output	O	0
12	RXD0	Serial data input	I	0
13	CLK0	Clock input	I	2.9
14	-	-	-	-
15	-	-	-	-
16	-	-	-	-
17	AMD	-	-	3.2
18	DVCC	Power supply (3.3V)	-	3.2
19	X2	Crystal oscillator	-	1.3
20	DVSS	GND	-	0
21	X1	Crystal oscillator	-	1.3
22	AMI	-	-	3.2
23	RESET	Reset	I	3
24	-	-	-	-
25	-	-	-	-
26	NMI	-	-	3.2
27	-	-	-	-
28	STBY	DSP IC STBY	O	0
29	RST	DSP IC RST	O	3.2
30	CCE	DSP IC CCE	O	2.6
31	BUCK	DSP IC CK	O	2.8
32	BUS3	DSP IC BUS3	O	2.8
33	BUS2	DSP IC BUS2	O	2.8
34	BUS1	DSP IC BUS1	O	2.8
35	BUS0	DSP IC BUS0	O	2.9
36	RESET SW	Mechanics deck REST SW input	I	3.2
37	SW1	Mechanics deck SW1 input	I	0
38	SW2	Mechanics deck SW2 input	I	0
39	CONT (P13)	DSP IC power control 1	O	3.2
40	-	-	-	-
41	-	-	-	-
42	-	-	-	-
43	CONT (P17)	DSP IC power control 2	O	3.2
44	PIO0	DSP IC PIO0	O	0
45	ZDET	LOAD detect	I	0
46-48	-	-	-	-
49	-	-	-	3.2
50-58	-	-	-	-
59	CDFS	Serial frame sink signal input (CD ON)	I	2.3
60	P50/AN0	Reference voltage	I	0.3
61	P51/AN0	Loading motor detect	I	2.1
62	P52/AN2	-	-	0
63	P53/AN3	-	-	0
64	AVCC	Power supply (3.3V)	-	3.2

11 IC BLOCK DIAGRAM

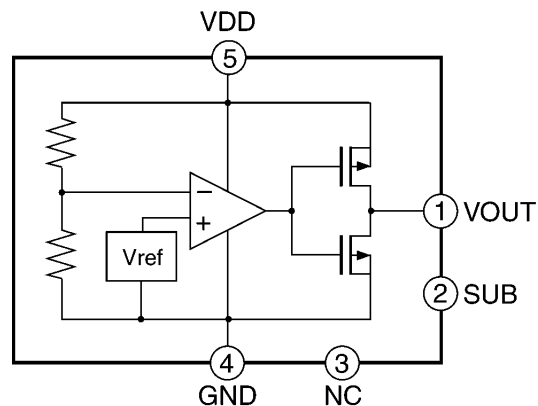
11.1. Main Block



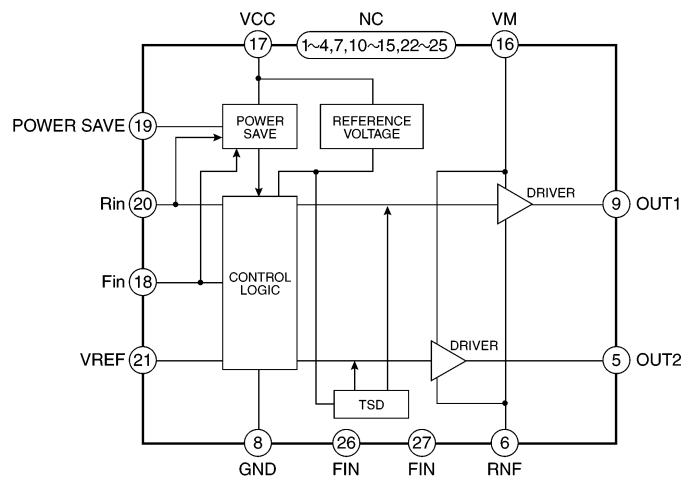


IC752 : C0CAABG00012

11.2. Display Block

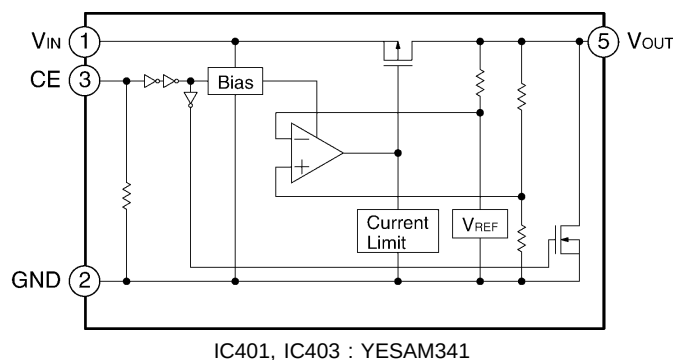


IC902 : C0EBF0000374

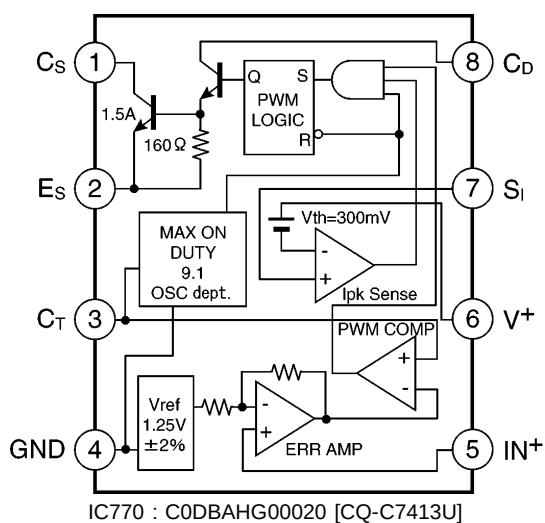


IC760 : C0GBG0000032

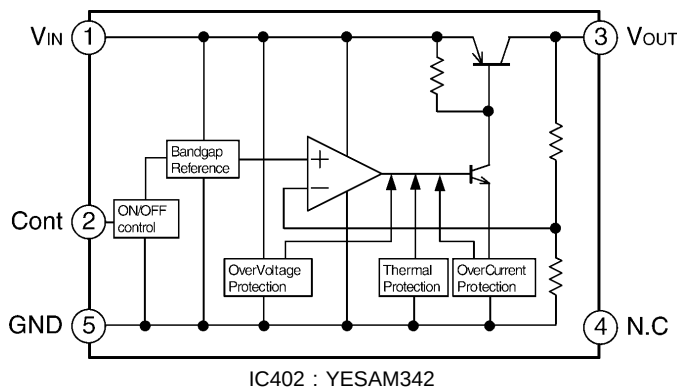
11.3. CD Servo Block



IC401, IC403 : YESAM341

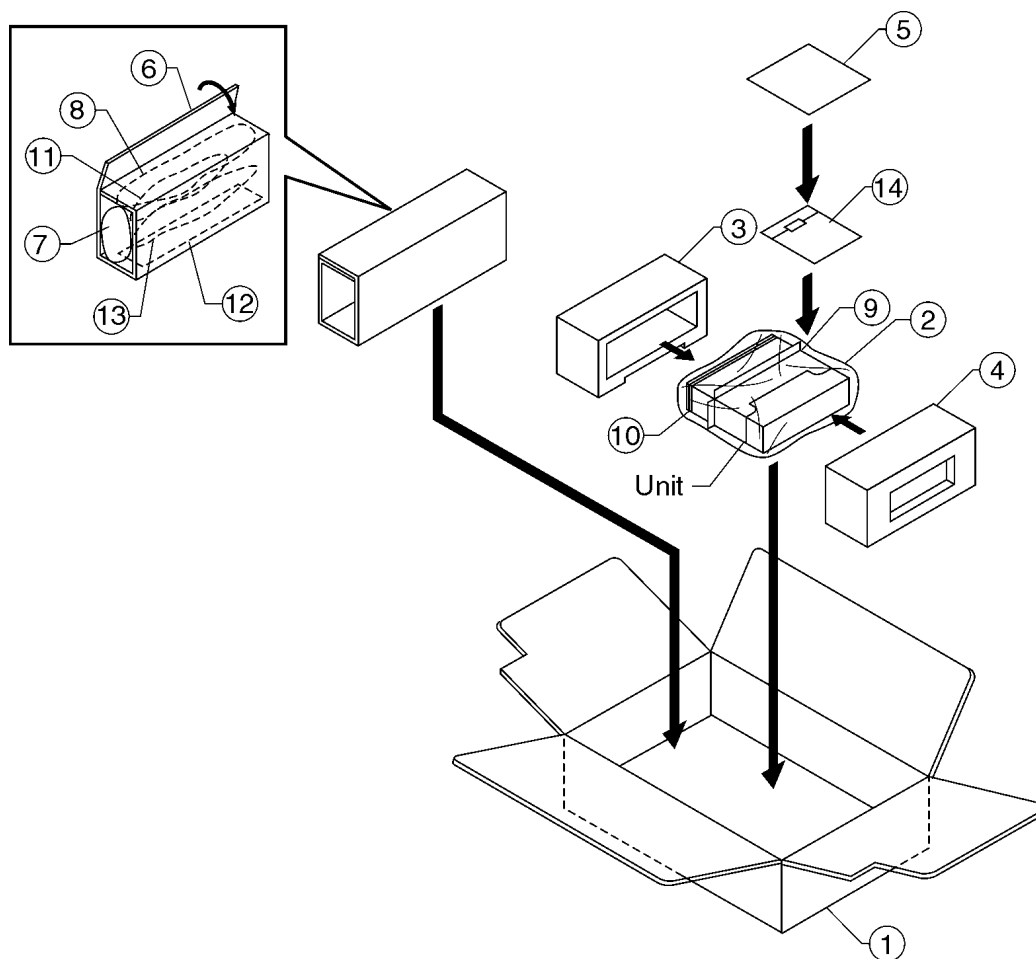


IC770 : C0DBAHG00020 [CQ-C7413U]



IC402 : YESAM342

12 PACKING PARTS LIST



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

Item No.	Part No.	Part Name & Description	Q'ty	Remarks
1	-	Inner Carton	1	Not available
2	-	Polyethylene Bag	1	Not available
3	-	Packing Pad Front	1	Not available
4	-	Packing Pad Rear	1	Not available
5	-	Instruction Kit	1	Not available
	-	Operating Instructions	(1)	Not available
	-	System Upgrade Guidebook	(1)	Not available
	-	Installation Instructions	(1)	Not available
	-	Owners Information Card	(1)	Not available
6	-	Sleeve	1	Not available
7	EUR7641010	Remote Control Unit (includes a battery)	1	
-	CR2025/1F	Lithium Battery	1	
8	YGAJ021009	Power Connector	1	
9	YEFX0217222	Mounting Collar	1	
10	YEFC051013	Trim Plate	1	
11	YEP0FZ5701	Installation Kit (Lock Cancel Plate, Mounting Bolt, Tapping Screw, Hex Nut)	1	
12	YFEG04019	Rear Support Strap	1	
13	YEFA134150	Removable Face Plate Case	1	
14	YEP0FZ5702	Security Screw Kit	1	

13 REPLACEMENT PARTS LIST [CQ-C7413U]

Notes :

1. Be sure to make your orders of replacement parts according to this list.
2. Important safety notice: Components, identified by Δ 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.
5. 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.

Ref. No.	Part No.	Part Name & Description	Remarks
[E3108] Main/Sub Block			
IC's AND TRANSISTORS			
IC201	C1BB00000796	IC	
IC221	C1BB00001131	IC	
IC231	C0JBZS000003	IC	
IC251	C0ABBA000221	IC	
IC252	C0ABCA000121	IC	
IC271	C1ZAZ0001450	IC	
IC401	C1BB00001045	IC	
IC601	C2CBKG000035	IC	
IC630	C0JBAA000372	IC	
IC650	C0JBAA000372	IC	
IC670	YEAMC14584BE	IC	
IC701	C0DAZH000004	IC	
IC702	C0EBZ0000035	IC	
IC730	C0DAEKG00002	IC	
IC752	C0CBCBG00012	IC	
IC755	C0DBZGD00040	IC	
IC760	C0GBG0000032	IC	
IC770	C0DBAHG00020	IC	
IC790	C0CBCYG00004	IC	
PA51	C5BA00000122	Electronic Tuner	
Q55	B1GDGFEH0001	Transistor	
Q56	B1AAEC000002	Transistor	
Q220	B1GBCFNN0004	Transistor	
Q235	B1GBHBEA0004	Transistor	
Q241	B1GBHBEA0004	Transistor	
Q251	B1GBHBEA0004	Transistor	
Q252	B1GBHBEA0004	Transistor	
Q320	B1GBCFNN0004	Transistor	
Q335	B1GBHBEA0004	Transistor	
Q341	B1GBHBEA0004	Transistor	
Q351	B1GBHBEA0004	Transistor	
Q352	B1GBHBEA0004	Transistor	
Q353	B1GBHBEA0004	Transistor	
Q354	B1GDCFJJ0002	Transistor	
Q371	B1GBCFNN0004	Transistor	
Q372	YEANC114YKX	Transistor	
Q376	B1GBCFNN0004	Transistor	
Q411	B1CBGF000005	Transistor	
Q630	B1GBCFNN0004	Transistor	
Q633	B1GDCFJJ0002	Transistor	

Ref. No.	Part No.	Part Name & Description	Remarks
Q650	YEANC114YKX	Transistor	
Q651	YEANC114YKX	Transistor	
Q652	YEANC114YKX	Transistor	
Q680	B1GDGFEH0001	Transistor	
Q681	B1GDCFJJ0002	Transistor	
Q701	B1BACF000026	Transistor	
Q760	B1GBCFNN0004	Transistor	
Q771	B1ABCF000187	Transistor	
Q791	B1GBNCEJ0003	Transistor	
Q793	YEANC114YKX	Transistor	
DIODES			
D201	B0JCME000012	Diode	
D202	B0JCME000012	Diode	
D203	B0JCME000012	Diode	
D204	B0JCME000012	Diode	
D251	B0JCMC000004	Diode	
D301	B0JCME000012	Diode	
D302	B0JCME000012	Diode	
D303	B0JCME000012	Diode	
D304	B0JCME000012	Diode	
D601	B0JCMC000004	Diode	
D630	B3AAB0000143	Diode	
D631	B0BC5R600003	Diode	
D632	MA152WATX	Diode	
D635	B0BC5R600003	Diode	
D636	B0BC5R600003	Diode	
D637	B0BC5R600003	Diode	
D638	B0BC5R600003	Diode	
D639	B0BC5R600003	Diode	
D670	B0JCMC000004	Diode	
D672	B0JCMC000004	Diode	
D673	B0BC5R000020	Diode	
D701	YEADDAM3MA47	Diode	
D702	MA736TX	Diode	
D703	B0BC5R7A0062	Diode	
D704	B0JCMC000004	Diode	
D705	YEADSR1544TL	Diode	
D706	YEADSR1544TL	Diode	
D707	YEADRB051L40	Diode	
D708	MA736TX	Diode	
D710	B0JCMC000004	Diode	
D715	MA3X152A0L	Diode	
D716	MA721TX	Diode	
D751	YEADSR1544TL	Diode	
D752	YEADSR1544TL	Diode	
D760	B0BC5R000020	Diode	
D761	B0BC3R0A0058	Diode	
D770	B0JCMC000004	Diode	
D771	B0JCQD000002	Diode	
D772	B0BC013A0063	Diode	
CAPACITORS			
C52	YECUS1H470JC	Ceramic, 47PF 50WV	
C53	F1J1H103A513	Ceramic, 0.01μF 50WV	
C54	F2A1A221A449	Electrolytic, 220μF 10WV	
C55	F1J1H103A513	Ceramic, 0.01μF 50WV	
C56	F3F1E105A001	Tantalum, 1μF 25WV	
C57	F2A1A101A450	Electrolytic, 100μF 10WV	
C61	YECUS1E273KX	Ceramic, 0.027μF 25WV	
C62	YECUS1E273KX	Ceramic, 0.027μF 25WV	
C65	F1J1H1020024	Ceramic, 1000PF 50WV	
C206	F2A1C100A502	Electrolytic, 10μF 16WV	
C213	F1J1A2250004	Ceramic, 2.2μF 10WV	
C215	F1J1A2250004	Ceramic, 2.2μF 10WV	
C217	YECUS1C334KX	Ceramic, 0.33μF 16WV	
C220	F1J1C225A138	Ceramic, 2.2μF 16WV	
C237	F1J1C225A138	Ceramic, 2.2μF 16WV	
C242	F1J1C225A138	Ceramic, 2.2μF 16WV	
C251	YECUS1C474KX	Ceramic, 0.47μF 16WV	
C252	YECUS1H470JM	Ceramic, 47PF 50WV	
C253	F1J1C225A138	Ceramic, 2.2μF 16WV	

18

Ref. No.	Part No.	Part Name & Description	Remarks
J404	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J474	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J475	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J476	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J477	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J478	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J479	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J480	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J481	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J482	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J483	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J501	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J502	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J503	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J504	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J506	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J507	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J508	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J509	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J510	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J511	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J512	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J513	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J514	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J515	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J516	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J523	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J524	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J525	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J526	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J529	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J531	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J534	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J536	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J537	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J538	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J539	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J540	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J542	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J544	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J545	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J546	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J550	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J551	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J552	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J553	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J554	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J555	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J556	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J557	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J560	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J561	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J563	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J565	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J570	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J571	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J573	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J579	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J580	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J582	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J583	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J590	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J591	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J592	ERJ8GX0R00V	Chip, 0Ω 1/8W	
R50	ERJ6GEYJ5R6V	Chip, 5.6Ω 1/10W	
R54	ERJ6GEYJ101	Chip, 100Ω 1/10W	
R55	ERJ6GEYJ221	Chip, 220Ω 1/10W	
R56	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R59	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R65	ERJ6GEYJ393	Chip, 39kΩ 1/10W	
R202	ERJ6GEYJ152	Chip, 1.5kΩ 1/10W	
R203	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R213	ERJ6GEYJ562	Chip, 5.6kΩ 1/10W	
R214	ERJ6GEYJ103	Chip, 10kΩ 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R215	ERJ3GEYJ472V	Chip, 4.7kΩ 1/16W	
R216	ERJ3GEYJ123V	Chip, 12kΩ 1/16W	
R217	ERJ3GEYJ183V	Chip, 18kΩ 1/16W	
R220	ERJ3GEYJ750V	Chip, 75Ω 1/16W	
R221	ERJ3GEYJ153V	Chip, 15kΩ 1/16W	
R235	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R237	ERJ3GEYJ271V	Chip, 270Ω 1/16W	
R241	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R242	ERJ3GEYJ271V	Chip, 270Ω 1/16W	
R251	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R252	ERJ3GEYJ393V	Chip, 39kΩ 1/16W	
R253	ERJ3GEYJ433V	Chip, 43kΩ 1/16W	
R254	ERJ3GEYJ560V	Chip, 56Ω 1/16W	
R255	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R256	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R257	ERJ3GEYJ393V	Chip, 39kΩ 1/16W	
R258	ERJ3GEYJ433V	Chip, 43kΩ 1/16W	
R259	ERJ3GEYJ560V	Chip, 56Ω 1/16W	
R260	ERJ6GEYJ104	Chip, 100kΩ 1/10W	
R275	ERJ8GEYJ223V	Chip, 22kΩ 1/8W	
R281	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R282	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R283	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R284	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R285	ERJ3GEYJ272V	Chip, 2.7kΩ 1/16W	
R286	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R291	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R296	ERJ6GEYJ271	Chip, 270Ω 1/10W	
R297	ERJ6GEYJ271	Chip, 270Ω 1/10W	
R298	ERJ3GEYJ222V	Chip, 2.2kΩ 1/16W	
R302	ERJ3GEYJ152V	Chip, 1.5kΩ 1/16W	
R303	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R313	ERJ6GEYJ562	Chip, 5.6kΩ 1/10W	
R314	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R315	ERJ3GEYJ472V	Chip, 4.7kΩ 1/16W	
R316	ERJ3GEYJ123V	Chip, 12kΩ 1/16W	
R317	ERJ3GEYJ183V	Chip, 18kΩ 1/16W	
R320	ERJ3GEYJ750V	Chip, 75Ω 1/16W	
R321	ERJ3GEYJ153V	Chip, 15kΩ 1/16W	
R323	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R324	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R325	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R326	ERJ6GEYJ101	Chip, 100Ω 1/10W	
R327	ERJ6GEYJ823	Chip, 82kΩ 1/10W	
R330	ERJ6GEYJ221	Chip, 220Ω 1/10W	
R335	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R336	ERJ3GEYJ271V	Chip, 270Ω 1/16W	
R341	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R342	ERJ3GEYJ271V	Chip, 270Ω 1/16W	
R351	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R352	ERJ3GEYJ393V	Chip, 39kΩ 1/16W	
R353	ERJ3GEYJ433V	Chip, 43kΩ 1/16W	
R354	ERJ3GEYJ560V	Chip, 56Ω 1/16W	
R355	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R356	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R357	ERJ3GEYJ393V	Chip, 39kΩ 1/16W	
R358	ERJ3GEYJ433V	Chip, 43kΩ 1/16W	
R359	ERJ3GEYJ560V	Chip, 56Ω 1/16W	
R360	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R361	ERJ6GEYJ104	Chip, 100kΩ 1/10W	
R362	ERJ6GEYJ393	Chip, 39kΩ 1/10W	
R363	ERJ6GEYJ393	Chip, 39kΩ 1/10W	
R364	ERJ6GEYJ560	Chip, 56Ω 1/10W	
R365	ERJ6GEYJ104	Chip, 100kΩ 1/10W	
R366	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R367	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R368	ERJ3GEYJ563V	Chip, 56kΩ 1/16W	
R369	ERJ3GEYJ133V	Chip, 13kΩ 1/16W	
R370	ERJ3GEYJ363V	Chip, 36kΩ 1/16W	
R371	ERJ3GEYJ822V	Chip, 8.2kΩ 1/16W	
R372	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R373	ERJ6GEYJ183	Chip, 18kΩ 1/10W	
R374	ERJ3GEYJ164V	Chip, 160kΩ 1/16W	
R375	ERJ6GEYJ562	Chip, 5.6kΩ 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R376	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R377	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R378	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R379	ERJ3GEYJ472V	Chip, 4.7kΩ 1/16W	
R381	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R382	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R383	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R384	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R385	ERJ3GEYJ272V	Chip, 2.7kΩ 1/16W	
R386	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R387	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R388	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R389	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R390	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R391	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R392	ERJ6GEYJ104	Chip, 100kΩ 1/10W	
R393	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R396	ERJ6GEYJ271	Chip, 270Ω 1/10W	
R397	ERJ6GEYJ271	Chip, 270Ω 1/10W	
R398	ERJ3GEYJ222V	Chip, 2.2kΩ 1/16W	
R401	ERJ3GEYJ152V	Chip, 1.5kΩ 1/16W	
R402	ERJ3GEYJ472V	Chip, 4.7kΩ 1/16W	
R403	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R404	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R405	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R406	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R407	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R408	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R409	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R410	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R411	ERJ3GEYJ221V	Chip, 220Ω 1/16W	
R413	ERJ6GEYJ182	Chip, 1.8kΩ 1/10W	
R414	ERJ8GEYJ561V	Chip, 560Ω 1/8W	
R417	ERJ3GEYJ100V	Chip, 10Ω 1/16W	
R600	ERJ8GX0R00V	Chip, 0Ω 1/8W	
R601	ERJ3GEYJ432V	Chip, 4.3kΩ 1/16W	
R602	ERJ3GEYJ432V	Chip, 4.3kΩ 1/16W	
R603	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R604	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R605	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R607	ERJ3GEYJ333V	Chip, 33kΩ 1/16W	
R608	ERJ3GEYJ822V	Chip, 8.2kΩ 1/16W	
R609	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R611	ERJ3GEYJ683V	Chip, 68kΩ 1/16W	
R612	ERJ3GEYJ153V	Chip, 15kΩ 1/16W	
R613	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R614	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R615	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R616	ERJ3GEYJ684V	Chip, 680kΩ 1/16W	
R617	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R618	ERJ3GEYJ223V	Chip, 22kΩ 1/16W	
R619	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R620	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R621	ERJ3GEYJ472V	Chip, 4.7kΩ 1/16W	
R622	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R624	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R625	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R626	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R627	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R628	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R629	ERJ8GEYJ104V	Chip, 100kΩ 1/8W	
R631	ERJ6GEYJ821	Chip, 820Ω 1/10W	
R632	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R634	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R638	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R639	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R640	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R641	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R646	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R653	ERJ3GEYJ512V	Chip, 5.1kΩ 1/16W	
R654	ERJ6GEYJ512V	Chip, 5.1kΩ 1/10W	
R655	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R656	ERJ6GEYJ272	Chip, 2.7kΩ 1/10W	
R657	ERJ3GEYJ272V	Chip, 2.7kΩ 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R658	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R659	ERJ6GEYJ272	Chip, 2.7kΩ 1/10W	
R660	ERJ6GEYJ272	Chip, 2.7kΩ 1/10W	
R661	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R662	ERJ3GEYJ472V	Chip, 4.7kΩ 1/16W	
R663	ERJ6GEYJ512V	Chip, 5.1kΩ 1/10W	
R664	ERJ6GEYJ512V	Chip, 5.1kΩ 1/10W	
R670	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R671	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R673	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R674	ERJ3GEYJ272V	Chip, 2.7kΩ 1/16W	
R675	ERJ6GEYJ272	Chip, 2.7kΩ 1/10W	
R676	ERJ3GEYJ472V	Chip, 4.7kΩ 1/16W	
R677	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R678	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R680	ERJ6GEYJ271	Chip, 270Ω 1/10W	
R681	ERJ6GEYJ562	Chip, 5.6kΩ 1/10W	
R682	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R684	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R685	ERJ3GEYJ561V	Chip, 560Ω 1/16W	
R686	ERJ3GEYJ561V	Chip, 560Ω 1/16W	
R687	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R688	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R689	ERJ3GEYJ561V	Chip, 560Ω 1/16W	
R690	ERJ3GEYJ561V	Chip, 560Ω 1/16W	
R701	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R702	ERJ3GEYJ224V	Chip, 220kΩ 1/16W	
R703	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R704	ERJ8GEYJ4R7V	Chip, 4.7Ω 1/8W	
R705	ERJ6GEYJ682	Chip, 6.8kΩ 1/10W	
R715	ERJ3GEYJ472V	Chip, 4.7kΩ 1/16W	
R716	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R717	ERJ3GEYJ433V	Chip, 43kΩ 1/16W	
R719	ERJ3GEYJ684V	Chip, 680kΩ 1/16W	
R722	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R732	ERJ6ENF1802V	Chip, 18kΩ 1/10W	
R733	ERJ6ENF1303V	Chip, 130kΩ 1/10W	
R734	ERJ6ENF2201V	Chip, 2.2kΩ 1/10W	
R755	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R760	ERJ6GEYJ152	Chip, 1.5kΩ 1/10W	
R761	ERDS1FJ3R9	Carbon, 3.9Ω 1/2W	
R771	D0GFR47JA016	Metal Film, 0.47Ω 1/2W	
R772	ERJ3GEYJ181V	Chip, 180Ω 1/16W	
R773	ERJ6ENF7501V	Chip, 7.5kΩ 1/10W	
R774	ERJ6ENF6340V	Chip, 634Ω 1/10W	
R776	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R778	ERJ8GEYJ1R0V	Chip, 1Ω 1/8W	
R779	ERJ8GX0R00V	Chip, 0Ω 1/8W	
R780	ERJ8GEYJ470V	Chip, 47Ω 1/8W	
R790	ERJ3GEYJ223V	Chip, 22kΩ 1/16W	
R791	ERJ6GEYJ223	Chip, 22kΩ 1/10W	
R795	ERJ6ENF1002	Chip, 10kΩ 1/10W	
R796	ERJ6ENF2703V	Chip, 270kΩ 1/10W	
R797	ERJ6ENF2001V	Chip, 2kΩ 1/10W	
CONNECTORS			
CN201	K2KF29Z00040	Plug, 4P	
CN253	K2KF29Z00036	Plug, 4P	
CN301	K2KF29Z00039	Plug, 4P	
CN351	K2KF29Z00033	Plug, 4P	
CN361	YEAEO108TUCP	Connector, 8P	
CN371	YEAEO108TUCX	Connector, 8P	
CN601	K1MN16BA0111	Connector, 16P	
CN651	K1KA18A00074	Connector, 18P	
CN670	K1PQ07A00005	Connector, 7P	
CN680	K1AA113B0002	Connector, 13P	
CN701	K1FA116B0028	Connector, 16P	
CN760	YEAES339802	Connector, 2P	
COILS			
L50	G1C150K00011	Coil	
L52	G1CR56JA0036	Coil	

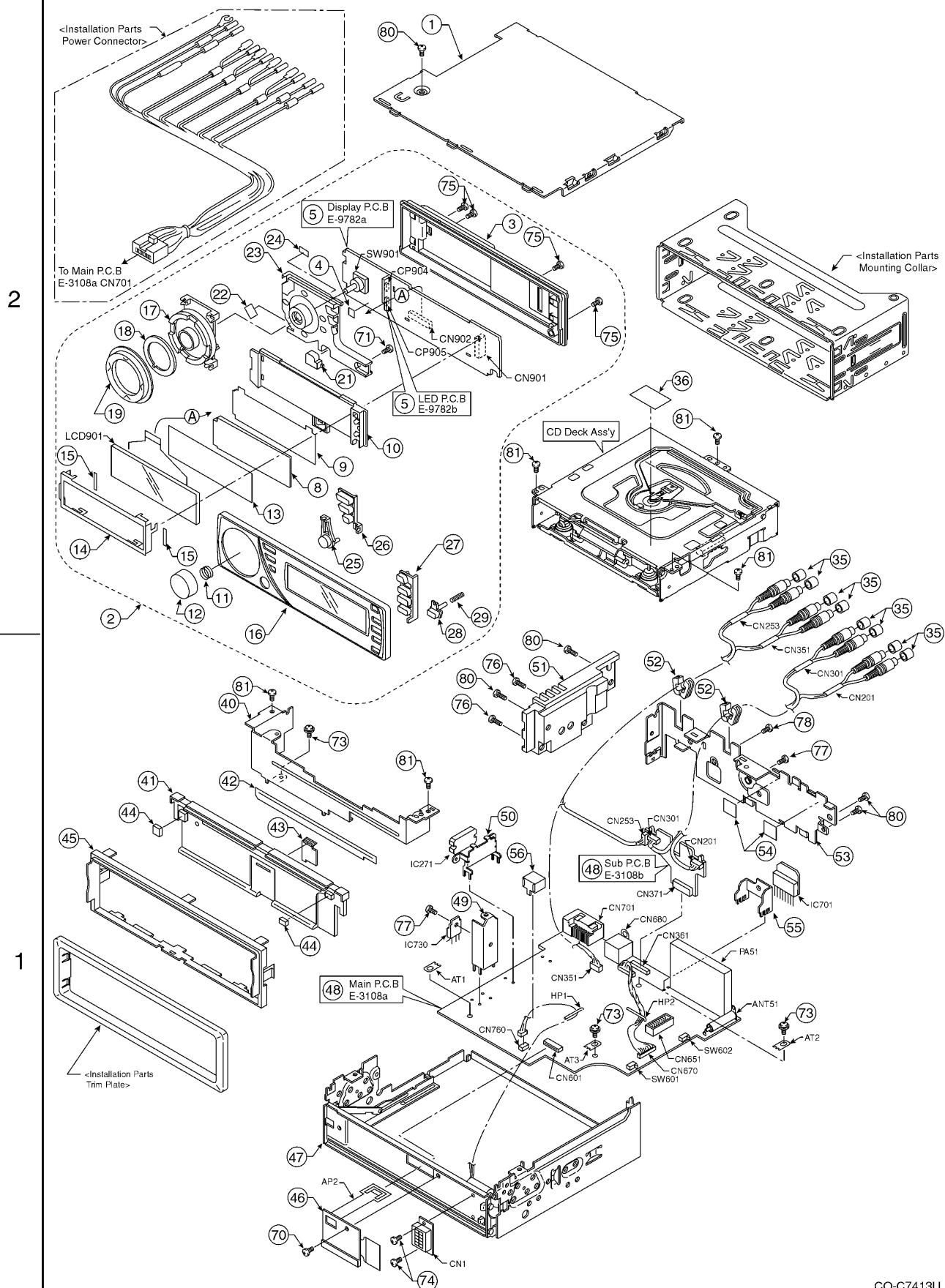
Ref. No.	Part No.	Part Name & Description	Remarks
L53	G1C101JA0036	Coil	
L401	G1C101JA0036	Coil	
L601	G1C330JA0036	Coil	
L602	G1C101JA0036	Coil	
L603	G1C330JA0036	Coil	
L630	G0C330K00004	RF Coil	
L701	YELTBL01R1AT	Coil	
L702	G0A151J00006	Coil	
L770	G0C101KA0120	RF Coil	
L771	G1C331MA0226	Coil	
L772	G0C101KA0120	RF Coil	
SWITCHes			
SW601	K0L1BA000099	Switch	
SW602	K0L1BA000104	Switch	
CRYSTALS			
XL401	H0D720400006	Crystal Oscillator	
XL601	H0D368400015	Crystal Oscillator	
XL602	H0J327200161	Crystal Oscillator	
NETWORK RESISTORS			
R606	EXBV8V102JV	Network Resistor	
FILTERs			
CF51	J0E8405A0002	NOISE FILTER	
Z50	J0LM00000001	Noise Filter	
THERMISTORS			
PT701	YERT7AR4R7MT	Thermistor	
[E9782] Display Block			
IC's AND TRANSISTORS			
IC900	C2CBJH000133	IC	
IC901	C3FBMD000236	IC	
IC902	C0EBF0000374	IC	
Q902	B1GDCFNN0002	Transistor	
Q903	B1GBCFNN0004	Transistor	
Q912	B1BBAC000014	Transistor	
Q941	B1ABCF000187	Transistor	
Q942	B1ABCF000187	Transistor	
Q943	B1ABCF000187	Transistor	
DIODEs			
D901	B0BC5R600003	Diode	
D903	B0BC4R000006	Diode	
D906	B0BC01100039	Diode	
D907	B3AFB0000091	Diode	
D909	MA152WKTX	Diode	
D910	B0BC4R000006	Diode	
D911	B0BC4R000006	Diode	
D912	B0BC4R000006	Diode	
D913	B0BC4R000006	Diode	
D914	B0BC4R000006	Diode	
D917	B0BC4R000006	Diode	
D918	B0BC4R000006	Diode	
D919	B0BC4R000006	Diode	
D920	B0BC4R000006	Diode	
D931	B3AZB0000031	Diode	
D932	B3AZB0000031	Diode	
D933	B3AZB0000031	Diode	
D934	B3AZB0000031	Diode	
D935	B3AZB0000031	Diode	
D951	B3AFB0000091	Diode	
D952	B3AFB0000091	Diode	
D964	B0BC9ROA0058	Diode	

Ref. No.	Part No.	Part Name & Description	Remarks
IC903	B3RAB0000054	Diode	
CAPACITORS			
C902	YECUZ1C104KX	Ceramic, 0.1μF 16WV	
C903	YECUZ1C104KX	Ceramic, 0.1μF 16WV	
C904	YECW1C106MS	Tantalum, 10μF 16WV	
C907	YECUZ1C104KX	Ceramic, 0.1μF 16WV	
C908	YECUZ1C104KX	Ceramic, 0.1μF 16WV	
C911	YECUZ1C104KX	Ceramic, 0.1μF 16WV	
C912	YECW1C106MS	Tantalum, 10μF 16WV	
C913	YECUZ1C104KX	Ceramic, 0.1μF 16WV	
C914	YECUS1C105ZF	Ceramic, 1μF 16WV	
C915	YECUS1C105ZF	Ceramic, 1μF 16WV	
C916	F1J1H102A672	Ceramic, 1000PF 50WV	
C917	YECW1C106MS	Tantalum, 10μF 16WV	
C918	YECW1C106MS	Tantalum, 10μF 16WV	
C919	YECUZ1H103KX	Ceramic, 0.01μF 50WV	
C931	YECUV1C225KX	Ceramic, 2.2μF 16WV	
C932	YECUV1C225KX	Ceramic, 2.2μF 16WV	
C933	YECUV1C225KX	Ceramic, 2.2μF 16WV	
C934	YECUV1C225KX	Ceramic, 2.2μF 16WV	
C935	YECUV1C225KX	Ceramic, 2.2μF 16WV	
C936	YECUV1C225KX	Ceramic, 2.2μF 16WV	
C937	YECUV1C225KX	Ceramic, 2.2μF 16WV	
C938	YECUZ1C104KX	Ceramic, 0.1μF 16WV	
C939	YECUV1C225KX	Ceramic, 2.2μF 16WV	
C940	YECUV1C225KX	Ceramic, 2.2μF 16WV	
C941	YECUV1C225KX	Ceramic, 2.2μF 16WV	
C942	YECUV1C225KX	Ceramic, 2.2μF 16WV	
C973	YECUZ1H103KX	Ceramic, 0.01μF 50WV	
C974	YECUZ1H103KX	Ceramic, 0.01μF 50WV	
RESISTORS			
R902	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R903	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R904	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R905	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R911	ERJ3GEYJ222V	Chip, 2.2kΩ 1/16W	
R912	ERJ3GEYJ222V	Chip, 2.2kΩ 1/16W	
R913	ERJ3GEYJ222V	Chip, 2.2kΩ 1/16W	
R914	ERJ3GEYJ222V	Chip, 2.2kΩ 1/16W	
R916	ERJ3GEYJ184V	Chip, 180kΩ 1/16W	
R917	ERJ3GEYJ184V	Chip, 180kΩ 1/16W	
R918	ERJ3GEYJ184V	Chip, 180kΩ 1/16W	
R923	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R924	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R925	ERJ3GEYJ302V	Chip, 3kΩ 1/16W	
R928	ERJ3GEYJ222V	Chip, 2.2kΩ 1/16W	
R929	ERJ3GEYJ122V	Chip, 1.2kΩ 1/16W	
R932	ERJ3GEYJ101V	Chip, 100Ω 1/16W	
R933	ERJ6GEYJ751V	Chip, 750Ω 1/10W	
R934	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R935	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R936	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R937	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R941	ERJ8GEYJ471V	Chip, 470Ω 1/8W	
R942	ERJ8GEYJ331V	Chip, 330Ω 1/8W	
R943	ERJ8GEYJ391V	Chip, 390Ω 1/8W	
R944	ERJ8GEYJ471V	Chip, 470Ω 1/8W	
R945	ERJ8GEYJ331V	Chip, 330Ω 1/8W	
R946	ERJ8GEYJ391V	Chip, 390Ω 1/8W	
R947	ERJ3GEYJ562V	Chip, 5.6kΩ 1/16W	
R948	ERJ3GEYJ562V	Chip, 5.6kΩ 1/16W	
R949	ERJ3GEYJ562V	Chip, 5.6kΩ 1/16W	
R950	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R952	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R953	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R954	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R955	ERJ8GEYJ751V	Chip, 750Ω 1/8W	
R956	ERJ8GEYJ331V	Chip, 330Ω 1/8W	
R957	ERJ8GEYJ391V	Chip, 390Ω 1/8W	
R958	ERJ8GEYJ751V	Chip, 750Ω 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
R959	ERJ8GEYJ331V	Chip, 330Ω 1/8W	
R960	ERJ8GEYJ391V	Chip, 390Ω 1/8W	
R961	ERJ8GEYJ751V	Chip, 750Ω 1/8W	
R962	ERJ8GEYJ331V	Chip, 330Ω 1/8W	
R963	ERJ8GEYJ391V	Chip, 390Ω 1/8W	
R964	ERJ6GEYJ132V	Chip, 1.3kΩ 1/10W	
R969	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R970	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R971	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R981	ERJ6GEYJ182	Chip, 1.8kΩ 1/10W	
R982	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
TH900	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
CONNECTORS			
CN901	K1NZ16D00001	Connector, 16P	
CN902	K1MN30BA0109	Connector, 30P	
CP904	YEA0102ILA	Connector, 2P	
CP905	YEA0102ILA	Connector, 2P	
SWITCHes			
SW901	K9AA024A0013	Switch	
SW902	K0H1BA000445	Switch	
SW903	K0H1BA000445	Switch	
SW905	K0H1BA000445	Switch	
SW906	K0H1BA000445	Switch	
SW907	K0H1BA000445	Switch	
SW908	K0H1BA000445	Switch	
SW909	K0H1BA000445	Switch	
SW910	K0H1BA000445	Switch	
SW911	K0H1BA000445	Switch	
SW912	K0H1BA000445	Switch	
SW913	K0H1BA000445	Switch	
SW914	K0H1BA000445	Switch	
CRYSTALS			
XL900	H2C122500003	Ceramic Oscillator	
LCD			
LCD901	L5F000000010	LCD	
Accessories			
PRINTINGS			
	-	Operating Instructions	TSN
	-	System Upgrade Guidebook	TSN
	-	Installation Instructions	TSN
INSTALLATION PARTS			
	EUR7641010	Remote Control Unit (includes a battery)	
	CR2025/1F	Lithium Battery	⚠
	YGAJ021009	Power Connector	
	YEFX0217222	Mounting Collar	
	YEFC051013	Trim Plate	
	YEP0FZ5701	Installation Kit (Lock Cancel Plate, Mounting Bolt, Tapping Screw, Hex Nut)	
	YEFG04019	Rear Support Strap	
	YEFA134150	Removable Face Plate Case	
	YEP0FZ5702	Security Screw Kit	
Mechanical Parts			
MISCELLANEOUS			
ANT51	YEA010090	Antenna Receptacle	

Ref. No.	Part No.	Part Name & Description	Remarks
AP2	YGAP2985	FPC	
AT1-3	K4ZZ01000048	Terminal	
CN1	K1NZ16H00002	Connector, 16P	
HP1	YEAT03324	Terminal	
HP2	K4ZZ01000044	Terminal	
1	YEFA031898A	Upper Cover	
2	YEP0FX13468	Removable Face Plate Unit	RTL
3	YEFA134121	Back Cover, Detachable	
4	YEFX9995929	Optical Shade	
5	YGP0PT9782V9	Display PCB w/Component	RTL
8	YEFX0013087	Prism Mirror	
9	YEFX9995567	Reflection Sheet	
10	YEFK061408	LCD Holder	
11	YEFX0052572	Spring, Knob Vol	
12	YEFE071005	Knob, Vol	
13	YEFV023487	Diffusion Sheet, LCD901	
14	YEFX0217430	Case, LCD901	
15	YEFX9995490	Spacer	
16	YESFC02229	Detachable Face Ass'y	
17	YEFE1310578	Button, TUNE/TRACK Base	
18	YEFJ013161	Vol Plate B	
19	YEFE1310577	Button, TUNE/TRACK Cap	
21	YEFK061410	Shading Cover	
22	YEFV023497	Optical Shade	
23	YEFX0013229	Transparent Plate	
24	YEFV023498	Optical Shade	
25	YEFE1310573	Button, SRC	
26	YEFE1310574	Button, MENU, BAND, D	
27	YEFE1310723	Button, EJD-M/SQ/MUTE	
28	YEFE1310579	Button, RELEASE	
29	YEFX0053029	Spring, RELEASE	
35	YEFR041000	Cap	
36	YEFM031549	Laser Seal	
40	YEFA07669	Front Plate	
41	YEFK028113	Rear Cover, Escutcheon	
42	YEFK02431	Pad	
43	YEFX0012368	Transparent Plate, Escutcheon	
44	YEFK021212	Pad, Escutcheon	
45	YEFK028112	Front Cover, Escutcheon	
46	YEFA131827	Flexible PCB Case	
47	YEP9FX352	Drive, Mechanical Assy	
48	YGP0PT3108Q9	Main/Sub PCB W/Component	RTL
49	YEFX0216269	Bracket, IC730	
50	YEFX0213945B	Bracket, IC271	
51	YEFF011230	Heat Sink	
52	YEFX007685	Clamper	
53	YEFA081009	Rear Plate	
54	YEFV012641	Insulator	
55	YEFX0217229	Bracket, IC701	
56	YEFV034018	Magnetic Shield	
70	YEJS06404A	Binding Screw	
71	XTB2+6GFJ	Tapping Screw	
73	YEJT03333A	Tapping Screw	
74	XQN2+C4FJK	Machin Screw	
75	XQN2+BG8FJK	Machin Screw	
76	XSB3+14FJ	Binding Screw	
77	XSB3+6FJ	Binding Screw	
78	XSB26+5FJ	Binding Screw	
80	XTB3+6FFJ	Tapping Screw	
81	XTB26+6FFJ	Tapping Screw	

14 EXPLODED VIEW (Unit) [CQ-C7413U]



CQ-C7413U

15 REPLACEMENT PARTS LIST [CQ-C7113U]

Notes :

1. Be sure to make your orders of replacement parts according to this list.
2. Important safety notice: Components, identified by Δ 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. 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.

Ref. No.	Part No.	Part Name & Description	Remarks
[E3109] Main Block			
IC's AND TRANSISTORS			
IC201	C1BB00001132	IC	
IC271	C1ZAZ0001450	IC	
IC401	C1BB00001045	IC	
IC601	C2CBKG000035	IC	
IC630	C0JBAA000372	IC	
IC650	C0JBAA000372	IC	
IC670	YEAMC14584BE	IC	
IC701	C0DAZH000004	IC	
IC702	C0EBZ0000035	IC	
IC720	C0CBCYG00004	IC	
IC730	C0DAEKG00002	IC	
IC752	COCAABG00012	IC	
IC755	C0DBZGD00040	IC	
IC760	C0GBG0000032	IC	
PA51	C5BA00000122	Electronic Tuner	
Q55	B1GDGFEH0001	Transistor	
Q56	B1AAEC000002	Transistor	
Q220	B1GBCFNN0004	Transistor	
Q262	B1GBHBEA0004	Transistor	
Q266	B1GBHBEA0004	Transistor	
Q320	B1GBCFNN0004	Transistor	
Q346	B1GBHBEA0004	Transistor	
Q362	B1GBHBEA0004	Transistor	
Q366	B1GBHBEA0004	Transistor	
Q372	YEANC114YKX	Transistor	
Q376	B1GBCFNN0004	Transistor	
Q411	B1CBGF000005	Transistor	
Q630	B1GBCFNN0004	Transistor	
Q633	B1GDCFJJ0002	Transistor	
Q650	YEANC114YKX	Transistor	
Q651	B1GBCFNN0004	Transistor	
Q652	B1GBCFNN0004	Transistor	
Q680	B1GDGFEH0001	Transistor	
Q681	B1GDCFJJ0002	Transistor	
Q701	B1BACF000026	Transistor	
Q760	B1GBCFNN0004	Transistor	
Q791	B1GBNCEJ0003	Transistor	

Ref. No.	Part No.	Part Name & Description	Remarks
Q793	YEANC114YKX	Transistor	
DIODES			
D201	B0JCME000012	Diode	
D202	B0JCME000012	Diode	
D203	B0JCME000012	Diode	
D204	B0JCME000012	Diode	
D301	B0JCME000012	Diode	
D302	B0JCME000012	Diode	
D303	B0JCME000012	Diode	
D304	B0JCME000012	Diode	
D346	B0JCMC000004	Diode	
D601	B0JCMC000004	Diode	
D630	B3AAB0000143	Diode	
D631	B0BC5R600003	Diode	
D632	B0BC5R600003	Diode	
D633	MA3X152A0L	Diode	
D635	B0BC5R600003	Diode	
D636	B0BC5R600003	Diode	
D638	B0BC5R600003	Diode	
D639	B0BC5R600003	Diode	
D670	B0JCMC000004	Diode	
D672	B0JCMC000004	Diode	
D673	B0BC5R000020	Diode	
D701	YEADDAM3MA47	Diode	
D702	MA736TX	Diode	
D703	B0BC5R7A0062	Diode	
D704	B0JCMC000004	Diode	
D705	YEADSR1544TL	Diode	
D706	YEADSR1544TL	Diode	
D707	YEADRB051L40	Diode	
D708	MA736TX	Diode	
D710	B0JCMC000004	Diode	
D715	MA3X152A0L	Diode	
D716	MA721TX	Diode	
D760	B0BC5R000020	Diode	
D761	B0BC3R0A0058	Diode	
CAPACITORS			
C52	YECUS1H470JC	Ceramic, 47PF 50WV	
C53	F1J1H103A513	Ceramic, 0.01 μ F 50WV	
C54	F2A1A221A449	Electrolytic, 220 μ F 10WV	
C55	F1J1H103A513	Ceramic, 0.01 μ F 50WV	
C56	F3F1E105A001	Tantalum, 1 μ F 25WV	
C57	F2A1A101A450	Electrolytic, 100 μ F 10WV	
C61	YECUS1E273KX	Ceramic, 0.027 μ F 25WV	
C62	YECUS1E273KX	Ceramic, 0.027 μ F 25WV	
C65	F1J1H1020024	Ceramic, 1000PF 50WV	
C206	YECUV1A225KX	Ceramic, 2.2 μ F 10WV	
C213	F1J1A2250004	Ceramic, 2.2 μ F 10WV	
C215	F1J1A2250004	Ceramic, 2.2 μ F 10WV	
C217	YECUS1C334KX	Ceramic, 0.33 μ F 16WV	
C220	F2A1H2R2A634	Electrolytic, 2.2 μ F 50WV	
C250	YECUS1C224KX	Ceramic, 0.22 μ F 16WV	
C261	F2A1H4R7A632	Electrolytic, 4.7 μ F 50WV	
C263	ECQV1H474JL2	Plastic Film, 0.47 μ F 50WV	
C265	F2A1H4R7A632	Electrolytic, 4.7 μ F 50WV	
C267	ECQV1H474JL2	Plastic Film, 0.47 μ F 50WV	
C271	F1J1H472A675	Ceramic, 4700PF 50WV	
C272	F1J1H472A675	Ceramic, 4700PF 50WV	
C274	F2A1C470A630	Electrolytic, 47 μ F 16WV	
C275	F1J1C1050013	Ceramic, 1 μ F 16WV	
C278	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C279	F2A1C2220069	Electrolytic, 2200 μ F 16WV	
C306	YECUV1A225KX	Ceramic, 2.2 μ F 10WV	
C313	F1J1A2250004	Ceramic, 2.2 μ F 10WV	
C314	F1L1C1060018	Ceramic, 10 μ F 16WV	
C315	F1J1A2250004	Ceramic, 2.2 μ F 10WV	
C317	YECUS1C334KX	Ceramic, 0.33 μ F 16WV	
C320	F2A1H2R2A634	Electrolytic, 2.2 μ F 50WV	
C323	YECUV1A225KX	Ceramic, 2.2 μ F 10WV	
C327	F2A1A221A449	Electrolytic, 220 μ F 10WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C328	F1J1H103A513	Ceramic, 0.01μF 50WV	
C345	F2A1C100A502	Electrolytic, 10μF 16WV	
C361	F2A1H4R7A632	Electrolytic, 4.7μF 50WV	
C363	ECQV1H474JL2	Plastic Film, 0.47μF 50WV	
C365	F2A1H4R7A632	Electrolytic, 4.7μF 50WV	
C367	ECQV1H474JL2	Plastic Film, 0.47μF 50WV	
C371	F1J1H472A675	Ceramic, 4700PF 50WV	
C372	F1J1H472A675	Ceramic, 4700PF 50WV	
C374	F2A1H2R2A634	Electrolytic, 2.2μF 50WV	
C375	F2A1C100A502	Electrolytic, 10μF 16WV	
C378	YECUS1E104ZF	Ceramic, 0.1μF 25WV	
C401	F1J1H120A034	Ceramic, 12PF 50WV	
C402	F1J1H120A034	Ceramic, 12PF 50WV	
C403	F2A0J101A500	Electrolytic, 100μF 6.3WV	
C404	F1J1H103A513	Ceramic, 0.01μF 50WV	
C405	F1H1H101A231	Ceramic, 100PF 50WV	
C411	F1J1H103A513	Ceramic, 0.01μF 50WV	
C412	YECUS1E223KX	Ceramic, 0.022μF 25WV	
C413	ECQV1H224JL2	Plastic Film, 0.22μF 50WV	
C414	F2A1A221A449	Electrolytic, 220μF 10WV	
C601	YECUZ1C104KX	Ceramic, 0.1μF 16WV	
C602	YECUZ1H103KX	Ceramic, 0.01μF 50WV	
C603	F2A0J3310051	Electrolytic, 330μF 6.3WV	
C605	YECUZ1C104KX	Ceramic, 0.1μF 16WV	
C606	F1H1H2200008	Ceramic, 22PF 50WV	
C607	F1H1H2200008	Ceramic, 22PF 50WV	
C608	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C609	F1J1A106A023	Ceramic, 10μF 10WV	
C610	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C616	F1H1H120A231	Ceramic, 12PF 50WV	
C617	F1H1H120A231	Ceramic, 12PF 50WV	
C631	F2A1H4R7A632	Electrolytic, 4.7μF 50WV	
C632	YECUS1E104ZF	Ceramic, 0.1μF 25WV	
C633	F2A1C470A630	Electrolytic, 47μF 16WV	
C634	YECUZ1H103KX	Ceramic, 0.01μF 50WV	
C635	F1J1H103A513	Ceramic, 0.01μF 50WV	
C650	F1J1H103A513	Ceramic, 0.01μF 50WV	
C651	YECUS1C224ZF	Ceramic, 0.22μF 16WV	
C652	YECUS1C224ZF	Ceramic, 0.22μF 16WV	
C670	F2A1C100A502	Electrolytic, 10μF 16WV	
C671	YECUZ1H103KX	Ceramic, 0.01μF 50WV	
C680	F2A1H2R2A634	Electrolytic, 2.2μF 50WV	
C701	F1H1A154A007	Ceramic, 0.15μF 10WV	
C702	F2A1C1020069	Electrolytic, 1000μF 16WV	
C704	F2A0J470A558	Electrolytic, 47μF 6.3WV	
C705	YECUZ1H103KX	Ceramic, 0.01μF 50WV	
C706	ECA0JM102	Electrolytic, 1000μF 6.3WV	
C707	F2A1C1020069	Electrolytic, 1000μF 16WV	
C708	F2A1H1R00095	Electrolytic, 1μF 50WV	
C713	YECUS1C474KX	Ceramic, 0.47μF 16WV	
C715	YECUS1E104ZF	Ceramic, 0.1μF 25WV	
C716	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C717	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C718	YECUS1E104ZF	Ceramic, 0.1μF 25WV	
C719	EEAFC1A820H	Electrolytic, 82μF 10WV	
C720	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C721	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C727	F1K1E334A022	Ceramic, 0.33μF 25WV	
C728	YECUS1C334KX	Ceramic, 0.33μF 16WV	
C729	EEAFC1C560H	Electrolytic, 56μF 16WV	
C730	F1K1E334A022	Ceramic, 0.33μF 25WV	
C731	YECUX1C334KX	Ceramic, 0.33μF 16WV	
C732	EEAFC1C560H	Electrolytic, 56μF 16WV	
C752	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C753	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C754	EEAFC0J560H	Electrolytic, 56μF 6.3WV	
C755	YECUZ1C104KX	Ceramic, 0.1μF 16WV	
C756	F1J1C1050013	Ceramic, 1μF 16WV	
C757	YECUZ1H103KX	Ceramic, 0.01μF 50WV	
C758	F2A0J470A558	Electrolytic, 47μF 6.3WV	
C760	YECUZ1H103KX	Ceramic, 0.01μF 50WV	
C761	YECUS1E104ZF	Ceramic, 0.1μF 25WV	
C762	F2A1C470A630	Electrolytic, 47μF 16WV	
C763	YECUS1E104ZF	Ceramic, 0.1μF 25WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C797	YECUS1E104ZF	Ceramic, 0.1μF 25WV	
RESISTORS			
J401	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J403	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J404	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J409	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J410	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J501	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J502	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J504	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J506	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J507	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J510	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J513	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J514	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J515	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J517	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J518	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J520	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J521	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J522	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J523	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J524	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J525	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J526	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J527	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J529	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J531	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J532	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J533	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J534	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J536	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J537	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J538	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J539	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J540	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J541	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J542	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J544	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J545	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J546	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J550	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J551	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J553	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J554	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J555	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J558	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J560	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J561	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J562	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J563	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J564	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J565	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J566	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J568	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J570	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J571	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J572	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J578	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J579	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J580	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J582	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J583	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J584	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J585	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J589	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J590	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J591	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J593	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J594	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J595	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J596	ERJ8GX0R00V	Chip, 0Ω 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
J597	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J599	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J794	ERJ8GX0R00V	Chip, 0Ω 1/8W	
L53	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
L295	ERD6GEYJ180	Chip, 18Ω 1/10W	
L296	ERD6GEYJ180	Chip, 18Ω 1/10W	
L395	ERD6GEYJ180	Chip, 18Ω 1/10W	
L396	ERD6GEYJ180	Chip, 18Ω 1/10W	
R50	ERJ6GEYJ5R6V	Chip, 5.6Ω 1/10W	
R51	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R54	ERJ6GEYJ101	Chip, 100Ω 1/10W	
R55	ERJ6GEYJ221	Chip, 220Ω 1/10W	
R56	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R59	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R65	ERJ6GEYJ393	Chip, 39kΩ 1/10W	
R202	ERJ6GEYJ152	Chip, 1.5kΩ 1/10W	
R203	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R209	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R213	ERJ6GEYJ562	Chip, 5.6kΩ 1/10W	
R214	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R215	ERJ3GEYJ472V	Chip, 4.7kΩ 1/16W	
R216	ERJ3GEYJ123V	Chip, 12kΩ 1/16W	
R217	ERJ3GEYJ183V	Chip, 18kΩ 1/16W	
R220	ERJ6GEYJ750V	Chip, 75Ω 1/10W	
R221	ERJ6GEYJ563	Chip, 56kΩ 1/10W	
R247	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
R248	ERD6GEYJ180	Chip, 18Ω 1/10W	
R250	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R251	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R257	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R261	ERJ6GEYJ181	Chip, 180Ω 1/10W	
R262	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R263	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R265	ERJ6GEYJ181	Chip, 180Ω 1/10W	
R266	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R267	ERJ8GEYJ561V	Chip, 560Ω 1/8W	
R275	ERJ8GEYJ223V	Chip, 22kΩ 1/8W	
R302	ERJ6GEYJ152	Chip, 1.5kΩ 1/10W	
R303	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R313	ERJ6GEYJ562	Chip, 5.6kΩ 1/10W	
R314	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R315	ERJ3GEYJ472V	Chip, 4.7kΩ 1/16W	
R316	ERJ3GEYJ123V	Chip, 12kΩ 1/16W	
R317	ERJ3GEYJ183V	Chip, 18kΩ 1/16W	
R320	ERJ6GEYJ750V	Chip, 75Ω 1/10W	
R321	ERJ6GEYJ563	Chip, 56kΩ 1/10W	
R323	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R324	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R325	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R326	ERJ6GEYJ101	Chip, 100Ω 1/10W	
R327	ERJ6GEYJ823	Chip, 82kΩ 1/10W	
R345	ERJ6GEYJ181	Chip, 180Ω 1/10W	
R346	ERJ3GEYJ223V	Chip, 22kΩ 1/16W	
R348	ERD6GEYJ180	Chip, 18Ω 1/10W	
R351	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
R357	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R361	ERJ6GEYJ181	Chip, 180Ω 1/10W	
R362	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R363	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R365	ERJ6GEYJ181	Chip, 180Ω 1/10W	
R366	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R367	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R373	ERJ3GEYJ183V	Chip, 18kΩ 1/16W	
R375	ERJ6GEYJ562	Chip, 5.6kΩ 1/10W	
R376	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R401	ERJ3GEYJ152V	Chip, 1.5kΩ 1/16W	
R402	ERJ3GEYJ472V	Chip, 4.7kΩ 1/16W	
R403	ERJ3GEYJ473V	Chip, 4.7kΩ 1/16W	
R404	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R405	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R406	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R407	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R408	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R409	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R410	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R411	ERJ3GEYJ221V	Chip, 220Ω 1/16W	
R413	ERJ6GEYJ182	Chip, 1.8kΩ 1/10W	
R414	ERJ8GEYJ561V	Chip, 560Ω 1/8W	
R417	ERJ3GEYJ100V	Chip, 10Ω 1/16W	
R601	ERJ3GEYJ432V	Chip, 4.3kΩ 1/16W	
R602	ERJ3GEYJ432V	Chip, 4.3kΩ 1/16W	
R605	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R607	ERJ3GEYJ333V	Chip, 33kΩ 1/16W	
R608	ERJ3GEYJ822V	Chip, 8.2kΩ 1/16W	
R610	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R611	ERJ3GEYJ683V	Chip, 68kΩ 1/16W	
R612	ERJ3GEYJ153V	Chip, 15kΩ 1/16W	
R613	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R614	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R615	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R617	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R618	ERJ3GEYJ223V	Chip, 22kΩ 1/16W	
R619	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R620	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R621	ERJ3GEYJ472V	Chip, 4.7kΩ 1/16W	
R622	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R625	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R626	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R627	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R628	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R631	ERJ6GEYJ821	Chip, 820Ω 1/10W	
R632	ERJ3GEYJ684V	Chip, 680kΩ 1/16W	
R634	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R636	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R638	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R639	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R640	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R642	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R645	ERJ3GEYJ561V	Chip, 560Ω 1/16W	
R646	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R649	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R653	ERJ3GEYJ512V	Chip, 5.1kΩ 1/16W	
R654	ERJ6GEYJ512V	Chip, 5.1kΩ 1/10W	
R655	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R656	ERJ6GEYJ272	Chip, 2.7kΩ 1/10W	
R657	ERJ3GEYJ272V	Chip, 2.7kΩ 1/16W	
R658	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R659	ERJ6GEYJ272	Chip, 2.7kΩ 1/10W	
R660	ERJ6GEYJ272	Chip, 2.7kΩ 1/10W	
R661	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R662	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R663	ERJ6GEYJ512V	Chip, 5.1kΩ 1/10W	
R664	ERJ6GEYJ512V	Chip, 5.1kΩ 1/10W	
R666	ERJ3GEYJ561V	Chip, 560Ω 1/16W	
R670	ERJ6GEYJ104	Chip, 100kΩ 1/10W	
R671	ERJ6GEYJ104	Chip, 100kΩ 1/10W	
R672	ERJ6GEYJ104	Chip, 100kΩ 1/10W	
R673	ERJ6GEYJ104	Chip, 100kΩ 1/10W	
R674	ERJ3GEYJ272V	Chip, 2.7kΩ 1/16W	
R675	ERJ6GEYJ272	Chip, 2.7kΩ 1/10W	
R676	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R677	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R679	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R680	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R681	ERJ6GEYJ562	Chip, 5.6kΩ 1/10W	
R684	ERJ3GEYJ561V	Chip, 560Ω 1/16W	
R685	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R686	ERJ3GEYJ561V	Chip, 560Ω 1/16W	
R688	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R689	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R690	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R691	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R701	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R702	ERJ3GEYJ224V	Chip, 220kΩ 1/16W	
R703	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R704	ERJ8GEYJ4R7V	Chip, 4.7Ω 1/8W	
R705	ERJ8GEYJ682V	Chip, 6.8kΩ 1/8W	
R706	ERJ6GEYJ684	Chip, 680kΩ 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R715	ERJ3GEYJ472V	Chip, 4.7kΩ 1/16W	
R716	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R717	ERJ3GEYJ433V	Chip, 43kΩ 1/16W	
R727	ERJ6ENF1002	Chip, 10kΩ 1/10W	
R728	ERJ6ENF2703V	Chip, 270kΩ 1/10W	
R729	ERJ6ENF2001V	Chip, 2kΩ 1/10W	
R732	ERJ6ENF1802V	Chip, 18kΩ 1/10W	
R733	ERJ6ENF1303V	Chip, 130kΩ 1/10W	
R734	ERJ6ENF2201V	Chip, 2.2kΩ 1/10W	
R755	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R760	ERJ6GEYJ152	Chip, 1.5kΩ 1/10W	
R761	ERDS1FJ3R9	Carbon, 3.9Ω 1/2W	
R770	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R790	ERJ3GEYJ223V	Chip, 22kΩ 1/16W	
R791	ERJ6GEYJ223	Chip, 22kΩ 1/10W	
CONNECTORS			
CN201	K2KF29Z00038	Plug, 4P	
CN253	K2KF29Z00035	Plug, 4P	
CN301	K2KF29Z00037	Plug, 4P	
CN351	K2KF29Z00033	Plug, 4P	
CN600	K1KB08A00068	Connector, 8P	
CN601	K1MN16BA0111	Connector, 16P	
CN651	K1KA18A00074	Connector, 18P	
CN670	K1PQ07A00005	Connector, 7P	
CN680	K1AA113B0002	Connector, 13P	
CN701	K1FA116B0028	Connector, 16P	
CN760	YEA5339802	Connector, 2P	
COILS			
L50	G1C150K00011	Coil	
L52	G1CR56JA0036	Coil	
L401	G1C101JA0036	Coil	
L601	G1C330JA0036	Coil	
L602	G1C101JA0036	Coil	
L603	G1C330JA0036	Coil	
L630	G0C330K00004	RF Coil	
L701	YELTBL01R1AT	Coil	
L702	G0A151J00006	Coil	
SWITCHES			
SW601	K0L1BA000099	Switch	
SW602	K0L1BA000104	Switch	
CRYSTALS			
XL401	H0D720400006	Crystal Oscillator	
XL601	H0D368400015	Crystal Oscillator	
XL602	H0J327200161	Crystal Oscillator	
NETWORK RESISTORS			
R606	EXBV8V102JV	Network Resistor	
FILTERS			
Z50	J0LM00000001	Noise Filter	
THERMISTORS			
PT701	YERT7AR4R7MT	Thermistor	
[E9782] Display Block			
IC's AND TRANSISTORS			
IC900	C2CBJH000134	IC	
IC901	C3FBMD000236	IC	
IC902	C0EBF0000374	IC	
Q902	B1GDCFNN0002	Transistor	
Q903	B1GBCFNN0004	Transistor	

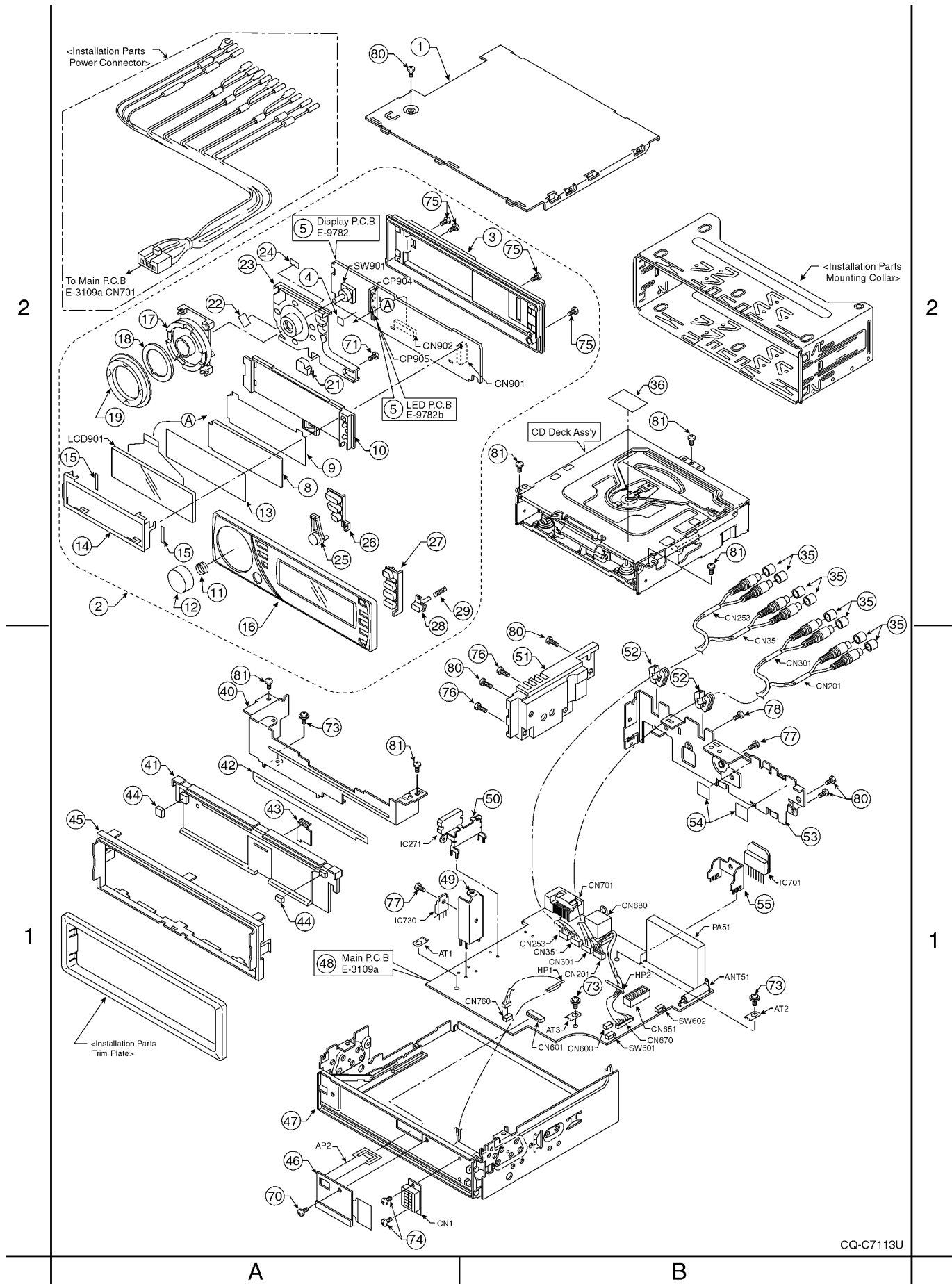
Ref. No.	Part No.	Part Name & Description	Remarks
Q912	B1BBAC000014	Transistor	
Q941	B1ABCF000187	Transistor	
Q942	B1ABCF000187	Transistor	
Q943	B1ABCF000187	Transistor	
DIODES			
D901	B0BC5R600003	Diode	
D903	B0BC4R000006	Diode	
D906	B0BC01100039	Diode	
D907	B3AFB0000091	Diode	
D909	MA152WKT	Diode	
D910	B0BC4R000006	Diode	
D911	B0BC4R000006	Diode	
D912	B0BC4R000006	Diode	
D913	B0BC4R000006	Diode	
D914	B0BC4R000006	Diode	
D917	B0BC4R000006	Diode	
D918	B0BC4R000006	Diode	
D919	B0BC4R000006	Diode	
D920	B0BC4R000006	Diode	
D931	B3AZB0000031	Diode	
D932	B3AZB0000031	Diode	
D933	B3AZB0000031	Diode	
D934	B3AZB0000031	Diode	
D935	B3AZB0000031	Diode	
D951	B3AFB0000091	Diode	
D952	B3AFB0000091	Diode	
D964	B0BC9R0A0058	Diode	
IC903	B3RAB0000054	Diode	
CAPACITORS			
C902	YECUZ1C104KX	Ceramic, 0.1μF 16WV	
C903	YECUZ1C104KX	Ceramic, 0.1μF 16WV	
C904	YECW1C106MS	Tantalum, 10μF 16WV	
C907	YECUZ1C104KX	Ceramic, 0.1μF 16WV	
C908	YECUZ1C104KX	Ceramic, 0.1μF 16WV	
C911	YECUZ1C104KX	Ceramic, 0.1μF 16WV	
C912	YECW1C106MS	Tantalum, 10μF 16WV	
C913	YECUZ1C104KX	Ceramic, 0.1μF 16WV	
C914	YECUS1C105ZF	Ceramic, 1μF 16WV	
C915	YECUS1C105ZF	Ceramic, 1μF 16WV	
C916	F1J1H102A672	Ceramic, 1000PF 50WV	
C917	YECW1C106MS	Tantalum, 10μF 16WV	
C918	YECW1C106MS	Tantalum, 10μF 16WV	
C919	YECUZ1H103KX	Ceramic, 0.01μF 50WV	
C931	YECUV1C225KX	Ceramic, 2.2μF 16WV	
C932	YECUV1C225KX	Ceramic, 2.2μF 16WV	
C933	YECUV1C225KX	Ceramic, 2.2μF 16WV	
C934	YECUV1C225KX	Ceramic, 2.2μF 16WV	
C935	YECUV1C225KX	Ceramic, 2.2μF 16WV	
C936	YECUV1C225KX	Ceramic, 2.2μF 16WV	
C937	YECUV1C225KX	Ceramic, 2.2μF 16WV	
C938	YECUZ1C104KX	Ceramic, 0.1μF 16WV	
C939	YECUV1C225KX	Ceramic, 2.2μF 16WV	
C940	YECUV1C225KX	Ceramic, 2.2μF 16WV	
C941	YECUV1C225KX	Ceramic, 2.2μF 16WV	
C942	YECUV1C225KX	Ceramic, 2.2μF 16WV	
C973	YECUZ1H103KX	Ceramic, 0.01μF 50WV	
C974	YECUZ1H103KX	Ceramic, 0.01μF 50WV	
RESISTORS			
R902	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R903	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R904	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R905	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R911	ERJ3GEYJ222V	Chip, 2.2kΩ 1/16W	
R912	ERJ3GEYJ222V	Chip, 2.2kΩ 1/16W	
R913	ERJ3GEYJ222V	Chip, 2.2kΩ 1/16W	
R914	ERJ3GEYJ222V	Chip, 2.2kΩ 1/16W	
R916	ERJ3GEYJ184V	Chip, 180kΩ 1/16W	
R917	ERJ3GEYJ184V	Chip, 180kΩ 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R918	ERJ3GEYJ184V	Chip, 180kΩ 1/16W	
R923	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R924	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R925	ERJ3GEYJ302V	Chip, 3kΩ 1/16W	
R928	ERJ3GEYJ222V	Chip, 2.2kΩ 1/16W	
R929	ERJ3GEYJ122V	Chip, 1.2kΩ 1/16W	
R932	ERJ3GEYJ101V	Chip, 100Ω 1/16W	
R933	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R934	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R935	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R936	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R937	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R941	ERJ8GEYJ471V	Chip, 470Ω 1/8W	
R942	ERJ8GEYJ331V	Chip, 330Ω 1/8W	
R943	ERJ8GEYJ391V	Chip, 390Ω 1/8W	
R944	ERJ8GEYJ471V	Chip, 470Ω 1/8W	
R945	ERJ8GEYJ331V	Chip, 330Ω 1/8W	
R946	ERJ8GEYJ391V	Chip, 390Ω 1/8W	
R947	ERJ3GEYJ562V	Chip, 5.6kΩ 1/16W	
R948	ERJ3GEYJ562V	Chip, 5.6kΩ 1/16W	
R949	ERJ3GEYJ562V	Chip, 5.6kΩ 1/16W	
R950	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R952	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R953	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R954	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R955	ERJ8GEYJ471V	Chip, 470Ω 1/8W	
R956	ERJ8GEYJ331V	Chip, 330Ω 1/8W	
R957	ERJ8GEYJ391V	Chip, 390Ω 1/8W	
R958	ERJ8GEYJ471V	Chip, 470Ω 1/8W	
R959	ERJ8GEYJ331V	Chip, 330Ω 1/8W	
R960	ERJ8GEYJ391V	Chip, 390Ω 1/8W	
R961	ERJ8GEYJ471V	Chip, 470Ω 1/8W	
R962	ERJ8GEYJ331V	Chip, 330Ω 1/8W	
R963	ERJ8GEYJ391V	Chip, 390Ω 1/8W	
R964	ERJ6GEYJ132V	Chip, 1.3kΩ 1/10W	
R969	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R970	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R971	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R981	ERJ6GEYJ132V	Chip, 1.3kΩ 1/10W	
R982	ERJ6GEYJ132V	Chip, 1.3kΩ 1/10W	
TH900	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
CONNECTORS			
CN901	K1NZ16D00001	Connector, 16P	
CN902	K1MN30BA0109	Connector, 30P	
CP904	YEA0102ILA	Connector, 2P	
CP905	YEA0102ILA	Connector, 2P	
SWITCHES			
SW901	K9AA024A0013	Switch	
SW902	K0H1BA000445	Switch	
SW903	K0H1BA000445	Switch	
SW905	K0H1BA000445	Switch	
SW906	K0H1BA000445	Switch	
SW907	K0H1BA000445	Switch	
SW908	K0H1BA000445	Switch	
SW909	K0H1BA000445	Switch	
SW910	K0H1BA000445	Switch	
SW911	K0H1BA000445	Switch	
SW912	K0H1BA000445	Switch	
SW913	K0H1BA000445	Switch	
SW914	K0H1BA000445	Switch	
CRYSTALS			
XL900	H2C122500003	Ceramic Oscillator	
LCD			
LCD901	L5F000000010	LCD	

Ref. No.	Part No.	Part Name & Description	Remarks
Accessories			
PRINTINGS			
	-	Operating Instructions	TSN
	-	System Upgrade Guidebook	TSN
	-	Installation Instructions	TSN
INSTALLATION PARTS			
	EUR7641010	Remote Control Unit (includes a battery)	
	CR2025/1F	Lithium Battery	△
	YGAJ021009	Power Connector	
	YEFX0217222	Mounting Collar	
	YEF0051013	Trim Plate	
	YEP0FZ5701	Installation Kit (Lock Cancel Plate, Mounting Bolt, Tapping Screw, Hex Nut)	
	YEF04019	Rear Support Strap	
	YEFA134150	Removable Face Plate Case	
	YEP0FZ5702	Security Screw Kit	
Mechanical Parts			
MISCELLANEOUS			
ANT51	YAAA10090	Antenna Receptacle	
AP2	YGAP2985	FPC	
AT1-3	K4ZZ01000048	Terminal	
CN1	K1NZ16H00002	Connector, 16P	
HP1	YEAT03324	Terminal	
HP2	YEAT03324	Terminal	
1	YEF0A031898A	Upper Cover	
2	YEP0FX13469	Removable Face Plate Unit	RTL
3	YEFA134121	Back Cover, Detachable	
4	YEFX9995929	Optical Shade	
5	YGP0PT9782U9	Display PCB w/Component	RTL
8	YEFX0013087	Prism Mirror	
9	YEFX9995567	Reflection Sheet	
10	YEFK061408	LCD Holder	
11	YEFX0052572	Spring, Knob Vol	
12	YEF071005	Knob, Vol	
13	YEFV023487	Diffusion Sheet, LCD901	
14	YEFX0217430	Case, LCD901	
15	YEFX9995490	Spacer	
16	YESFC02230	Detachable Face Ass'y	
17	YEF01310578	Button, TUNE/TRACK Base	
18	YEFJ013162	Vol Plate A	
19	YEF01310577	Button, TUNE/TRACK Cap	
21	YEFK061410	Shading Cover	
22	YEFV023497	Optical Shade	
23	YEFX0013229	Transparent Plate	
24	YEFV023498	Optical Shade	
25	YEF01310573	Button, SRC	
26	YEF01310574	Button, MENU, BAND, D	
27	YEF01310723	Button, E/D-M/SQ/MUTE	
28	YEF01310579	Button, Release	
29	YEFX0053029	Spring	
35	YEF041000	Cap	
36	YEFM031549	Laser Seal	
40	YEFA07669	Front Plate	
41	YEF028113	Rear Cover, Escutcheon	
42	YEF02431	Pad	
43	YEFX0012368	Transparent Plate, Escutcheon	
44	YEF0212112	Pad, Escutcheon	
45	YEF028112	Front Cover, Escutcheon	
46	YEFA131827	Flexible PCB Case	
47	YEP9FX352	Drive, Mechanical Assy	
48	YGP0PT3109X9	Main/Sub PCB W/Component	RTL
49	YEFX0216269	Bracket, IC730	
50	YEFX0213945B	Bracket, IC271	
51	YEFF011230	Heat Sink	
52	YEFX007685	Clamper	
53	YEFA081009	Rear Plate	

Ref. No.	Part No.	Part Name & Description	Remarks
54	YEFV012641	Insulator	
55	YEFX0217229	Bracket, IC701	
70	YEJS06404A	Binding Screw	
71	XTB2+6GFJ	Tapping Screw	
73	YEJT03333A	Tapping Screw	
74	XQN2+C4FJK	Machin Screw	
75	XQN2+BG8FJK	Machin Screw	
76	XSB3+14FJ	Binding Screw	
77	XSB3+6FJ	Binding Screw	
78	XSB26+5FJ	Binding Screw	
80	XTB3+6FFJ	Tapping Screw	
81	XTB26+6FFJ	Tapping Screw	

16 EXPLODED VIEW (Unit) [CQ-C7113U]



17 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 Δ 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.

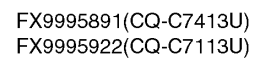
Ref. No.	Part No.	Part Name & Description	Remarks
[3032-14-35] CD Servo Block			
IC's and TRANSISTORS			
IC101	YESAM337	IC	
IC201	YESAM343	IC	
IC301	YESAM339	IC	
IC401	YESAM341	IC	
IC402	YESAM342	IC	
IC403	YESAM341	IC	
Q201	YESAN086	Transistor	
Q202	B1GDCFJ00008	Transistor	
Q203	YESAN116	Transistor	
Q204	YESAN116	Transistor	
CAPACITORS			
C101	YESCC439	Ceramic, 0.1 μ F 25WV	
C102	YESCC439	Ceramic, 0.1 μ F 25WV	
C103	YESCC439	Ceramic, 0.1 μ F 25WV	
C104	YESCC441	Ceramic, 1000pF 50WV	
C105	YESCC441	Ceramic, 1000pF 50WV	
C151	YESCC388	Electrolytic, 100uF 16WV	
C201	YESCC448	Ceramic, 0.033 μ F 25WV	
C202	YESCC448	Ceramic, 0.033 μ F 25WV	
C203	YESCC439	Ceramic, 0.1 μ F 25WV	
C204	YESCC439	Ceramic, 0.1 μ F 25WV	
C205	YESCC439	Ceramic, 0.1 μ F 25WV	
C206	YESCC439	Ceramic, 0.1 μ F 25WV	
C207	YESCC439	Ceramic, 0.1 μ F 25WV	
C208	YESCC439	Ceramic, 0.1 μ F 25WV	
C209	YESCC446	Ceramic, 2200pF 50WV	
C210	YESCC439	Ceramic, 0.1 μ F 25WV	
C211	YESCC439	Ceramic, 0.1 μ F 25WV	
C212	YESCC439	Ceramic, 0.1 μ F 25WV	
C213	YESCC439	Ceramic, 0.1 μ F 25WV	
C214	YESCC435	Ceramic, 47pF 50WV	
C215	YESCC444	Ceramic, 0.015 μ F 50WV	
C216	YESCC442	Ceramic, 0.01 μ F 50WV	
C218	YESCC442	Ceramic, 0.01 μ F 50WV	
C219	YESCC525	Ceramic, 0.047 μ F 50WV	
C220	YESCC439	Ceramic, 0.1 μ F 25WV	
C221	YESCC442	Ceramic, 0.01 μ F 50WV	
C222	YESCC439	Ceramic, 0.1 μ F 25WV	
C223	YESCC444	Ceramic, 0.015 μ F 50WV	
C224	YESCC439	Ceramic, 0.1 μ F 25WV	
C225	YESCC520	Ceramic, 68pF 50WV	
C226	YESCC439	Ceramic, 0.1 μ F 25WV	
C227	YESCC439	Ceramic, 0.1 μ F 25WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C228	YESCC439	Ceramic, 0.1 μ F 25WV	
C229	YESCC439	Ceramic, 0.1 μ F 25WV	
C230	YESCC442	Ceramic, 0.01 μ F 50WV	
C231	YESCC442	Ceramic, 0.01 μ F 50WV	
C232	YESCC388	Electrolytic, 100uF 16WV	
C233	YESCC388	Electrolytic, 100uF 16WV	
C234	YESCC439	Ceramic, 0.1 μ F 25WV	
C235	YESCC442	Ceramic, 0.01 μ F 50WV	
C236	YESCC439	Ceramic, 0.1 μ F 25WV	
C237	YESCC432	Ceramic, 220pF 50WV	
C238	YESCC432	Ceramic, 220pF 50WV	
C241	YESCC521	Ceramic, 680pF 50WV	
C242	YESCC521	Ceramic, 680pF 50WV	
C251	YESCC459	Electrolytic, 47 μ F 6.3WV	
C252	YESCC388	Electrolytic, 100uF 16WV	
C253	YESCC458	Electrolytic, 100 μ F 4WV	
C256	YESCC388	Electrolytic, 100uF 16WV	
C257	YESCC388	Electrolytic, 100uF 16WV	
C258	YESCC391	Electrolytic, 100uF 16WV	
C260	YESCC439	Ceramic, 0.1 μ F 25WV	
C261	YESCC439	Ceramic, 0.1 μ F 25WV	
C263	YESCC439	Ceramic, 0.1 μ F 25WV	
C264	YESCC524	Ceramic, 0.033 μ F 50WV	
C301	YESCC519	Ceramic, 470pF 50WV	
C302	YESCC519	Ceramic, 470pF 50WV	
C303	YESCC450	Ceramic, 0.047 μ F 25WV	
C305	YESCC450	Ceramic, 0.047 μ F 25WV	
C306	YESCC439	Ceramic, 0.1 μ F 25WV	
C351	YESCC390	Electrolytic, 220uF 10WV	
C352	YESCC390	Electrolytic, 220uF 10WV	
C401	YESCC452	Ceramic, 1 μ F 16WV	
C403	YESCC453	Ceramic, 0.47 μ F 25WV	
C407	YESCC452	Ceramic, 1 μ F 16WV	
C408	YESCC453	Ceramic, 0.47 μ F 25WV	
C451	YESCC459	Electrolytic, 47 μ F 6.3WV	
C452	YESCC459	Electrolytic, 47 μ F 6.3WV	
C454	YESCC459	Electrolytic, 47 μ F 6.3WV	
C455	YESCC553	Electrolytic, 47uF 10WV	
RESISTORS			
L101	YESRG241	Chip, 0 Ω 1/8W	
L301	YESRG241	Chip, 0 Ω 1/8W	
L401	YESRG241	Chip, 0 Ω 1/8W	
L403	YESRG241	Chip, 0 Ω 1/8W	
R101	YESRG233	Chip, 47k Ω 1/10W	
R102	YESRG233	Chip, 47k Ω 1/10W	
R103	YESRG233	Chip, 47k Ω 1/10W	
R104	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R109	YESRG221	Chip, 100 Ω 1/10W	
R110	YESRG223	Chip, 10k Ω 1/10W	
R111	YESRG221	Chip, 100 Ω 1/10W	
R113	YESRG221	Chip, 100 Ω 1/10W	
R115	YESRG223	Chip, 10k Ω 1/10W	
R116	YESRG232	Chip, 4.7k Ω 1/10W	
R117	YESRG232	Chip, 4.7k Ω 1/10W	
R118	YESRG232	Chip, 4.7k Ω 1/10W	
R119	YESRG232	Chip, 4.7k Ω 1/10W	
R120	YESRG232	Chip, 4.7k Ω 1/10W	
R121	YESRG232	Chip, 4.7k Ω 1/10W	
R122	YESRG232	Chip, 4.7k Ω 1/10W	
R124	YESRG223	Chip, 10k Ω 1/10W	
R125	YESRG230	Chip, 3.3k Ω 1/10W	
R126	YESRG230	Chip, 3.3k Ω 1/10W	
R128	YESRG228	Chip, 22k Ω 1/10W	
R129	YESRG227	Chip, 2.2k Ω 1/10W	
R130	YESRG221	Chip, 100 Ω 1/10W	
R131	YESRG221	Chip, 100 Ω 1/10W	
R132	YESRG221	Chip, 100 Ω 1/10W	
R134	YESRG223	Chip, 10k Ω 1/10W	
R135	YESRG221	Chip, 100 Ω 1/10W	
R136	YESRG226	Chip, 220 Ω 1/10W	
R139	YESRG223	Chip, 10k Ω 1/10W	
R142	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R201	YESRG224	Chip, 100kΩ 1/10W	
R202	YESRG355	Chip, 1MΩ 1/10W	
R203	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R204	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R205	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R206	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R207	YESRG224	Chip, 100kΩ 1/10W	
R208	YESRG224	Chip, 100kΩ 1/10W	
R209	YESRG226	Chip, 220Ω 1/10W	
R210	YESRG224	Chip, 100kΩ 1/10W	
R211	YESRG224	Chip, 100kΩ 1/10W	
R212	YESRG224	Chip, 100kΩ 1/10W	
R213	YESRG224	Chip, 100kΩ 1/10W	
R214	YESRG224	Chip, 100kΩ 1/10W	
R215	YESRG224	Chip, 100kΩ 1/10W	
R217	YESRG237	Chip, 5.6kΩ 1/10W	
R218	YESRG357	Chip, 150kΩ 1/10W	
R219	YESRG233	Chip, 47kΩ 1/10W	
R221	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R222	YESRG356	Chip, 15kΩ 1/10W	
R223	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R224	YESRG228	Chip, 22kΩ 1/10W	
R225	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R226	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R229	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R231	YESRG234	Chip, 4.7Ω 1/10W	
R232	YESRG223	Chip, 10kΩ 1/10W	
R233	YESRG228	Chip, 22kΩ 1/10W	
R241	YESRG229	Chip, 330Ω 1/10W	
R242	YESRG233	Chip, 47kΩ 1/10W	
R243	YESRG229	Chip, 330Ω 1/10W	
R244	YESRG233	Chip, 47kΩ 1/10W	
R245	YESRG224	Chip, 100kΩ 1/10W	
R246	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R247	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R248	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R249	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R250	YESRG229	Chip, 330Ω 1/10W	
R253	YESRG222	Chip, 1kΩ 1/10W	
R254	YESRG222	Chip, 1kΩ 1/10W	
R301	YESRG230	Chip, 3.3kΩ 1/10W	
R302	YESRG227	Chip, 2.2kΩ 1/10W	
R303	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R304	YESRG230	Chip, 3.3kΩ 1/10W	
R305	YESRG223	Chip, 10kΩ 1/10W	
R306	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R307	YESRG230	Chip, 3.3kΩ 1/10W	
R308	YESRG227	Chip, 2.2kΩ 1/10W	
R309	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R310	YESRG230	Chip, 3.3kΩ 1/10W	
R311	YESRG227	Chip, 2.2kΩ 1/10W	
R312	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R314	YESRG356	Chip, 15kΩ 1/10W	
R324	YESRG223	Chip, 10kΩ 1/10W	
R325	YESRG223	Chip, 10kΩ 1/10W	
R326	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
CONNECTORS			
CN101	YESAE409	Connector, 18P	
CN102	YESAE350	Connector, 16P	
COILS			
L201	YESLQ036	Inductor	
L202	YESLQ036	Inductor	
L402	YESLQ011	Inductor	
CRYSTALS			
X101	YESXL033	Crystal	
X201	YESXL018	Crystal	

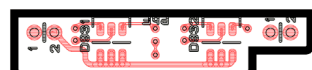
Ref. No.	Part No.	Part Name & Description	Remarks
MECAHNICAL PARTS			
MISCELLANEOUS			
1	YESFX046136	Frame	
2	YESFX046137	Top Cover	
3	YERFS04003	Damper F	
4	YERFS04004	Damper R	
11	YESFA01075	Chassis Rivet Ass'y	
12	YERFX046001	Change Plate Rivet Ass'y	
13	YERFX007001	Clamper Ass'y	
14	YESAK01047	Spindle Motor Ass'y	
15	YERFX046002	Clamper Arm	
16	YERFX005001	Change Gear Spring	
17	YERFX03001	Change Gear 2	
18	YERFX03002	Feed Gear	
19	YERFX03003	Feed Rack	
20	YERFX046003	Changer Lock Lever	
21	YERFW04001	Feed Switch Holder	
22	YERFW04002	Pick-up Shaft Holder	
23	YERFX005002	Clamper Sub Spring	
24	YERFW04003	FD Sub Holder	
25	YESFX046139	Top Plate	
26	YERFX046004	Select Lock Arm	
27	YERFX046006	Slide Hook	
28	YERFW01001	Pick-up Shaft	
29	YERFX005003	Clamper Arm Spring	
30	YERFX005004	Select Lock Arm Spring	
31	YERFX005013	Suspension Spring	
32	YESFX046140	Select Arm R	
33	YERFX03004	Link Plate	
34	YESFX005137	Link Plate Spring	
35	YERFS01001	Cushion F	
36	YERFS01002	Cushion R	
37	YERFX005014	Feed Spring Plate	
38	YERFX046005	Trigger Arm	
43	YERFX046008	Select Plate L	
44	YERFX046009	Select Plate R	
45	YERFX046010	Select Piece R	
46	YERFX046011	Select Piece L	
61	YESSZ1099WM	Optical Pick-up Ass'y	
62	YERAS0001	Detection Switch	
71	YESAP469	Servo PC Board w/component	RTL
72	YESFX046176	Mode Switch	
73	YESAJ07014	Loding Motor Wire	
74	YESAJ07015	Mode Switch Wire	
77	YERFX999001	Wire Clamper M	
78	YESFX024021	WIRE TUBE SPM	
79	YESFX024022	Wire Tube MSW	
81	YERFX03005	Roller Shaft Ass'y	
82	YERFX046012	Loading Gear Plate Rivet Ass'y	
83	YERFX046013	Loading Plate Ass'y	
84	YESFX046173	Lock Arm Rivet Ass'y	
85	YESAK01042	Loading/Feed Motor Ass'y	
86	YERFX03006	Loading Gear 1	
87	YERFX03007	Loading Gear 2	
88	YERFX03008	Loading Gear 3	
89	YERFX03009	Loading Gear 4	
90	YERFX03010	Loading Gear 5	
91	YERFX03011	Loading Gear 6	
92	YERFX03012	Loading Gear 7	
93	YESFW05023	Roller Guide	
94	YERFX005007	Roller Guide Spring	
95	YERFX046015	Disc Stopper Arm	
96	YERFX005008	Disc Stop Arm Spring	
97	YERFX046016	LD Gear Bracket	
98	YESFX046174	L Slide Plate	
99	YERFX005009	Loading Plate Spring	
100	YESFX046150	Loading Roller	
101	YESJS01175	Collar Screw	
111	YERJT01001	Tapping Screw 2*3	
112	YERJT01002	Tapping Screw 2*4	
113	YEJT03117	Tapping Bind Screw, 2*4	
114	YERJS01002	Camera Screw, 1.7*1.8	
115	YERJS01003	Camera Screw, 2*2	

Ref. No.	Part No.	Part Name & Description	Remarks
116	YERJS01004	Camera Tapping Screw, 1.7*5	
118	YESJS01148	Screw, 2*4	
121	YERJW01001	P Washer, 3.5*8*0.3	
122	YERJW01002	HL Washer, 1.85*5*0.13	
123	YERJW01003	Lumilar Washer, 3.1*6*0.1	
124	YEJE01028	E-Ring S 1.5	
125	YERJW01005	P Washer, 2.1*4*0.13	

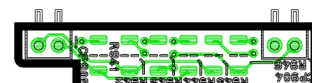


19 WIRING DIAGRAM

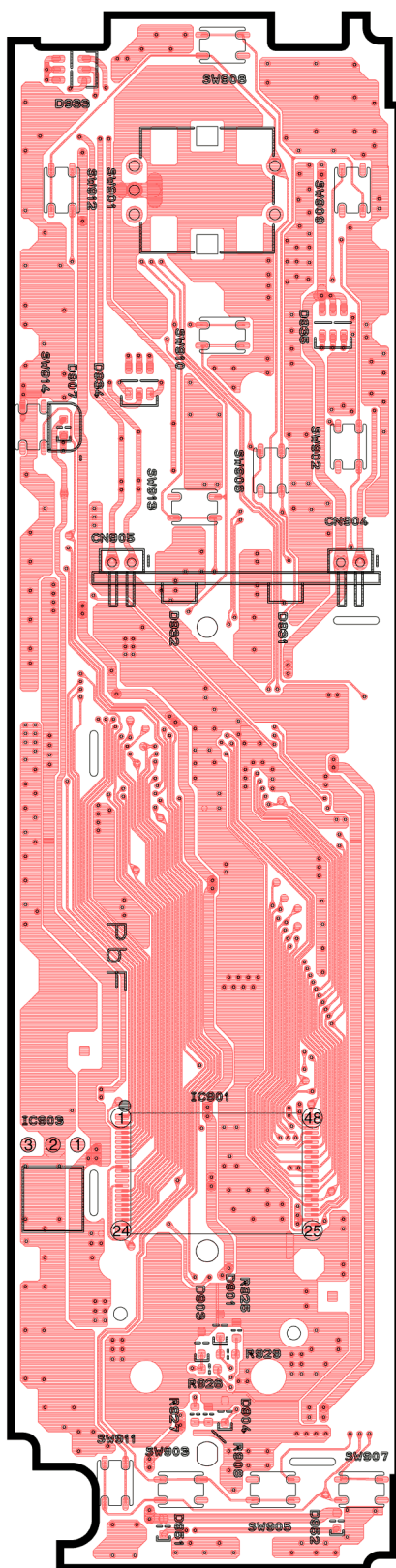
19.1. Display Block



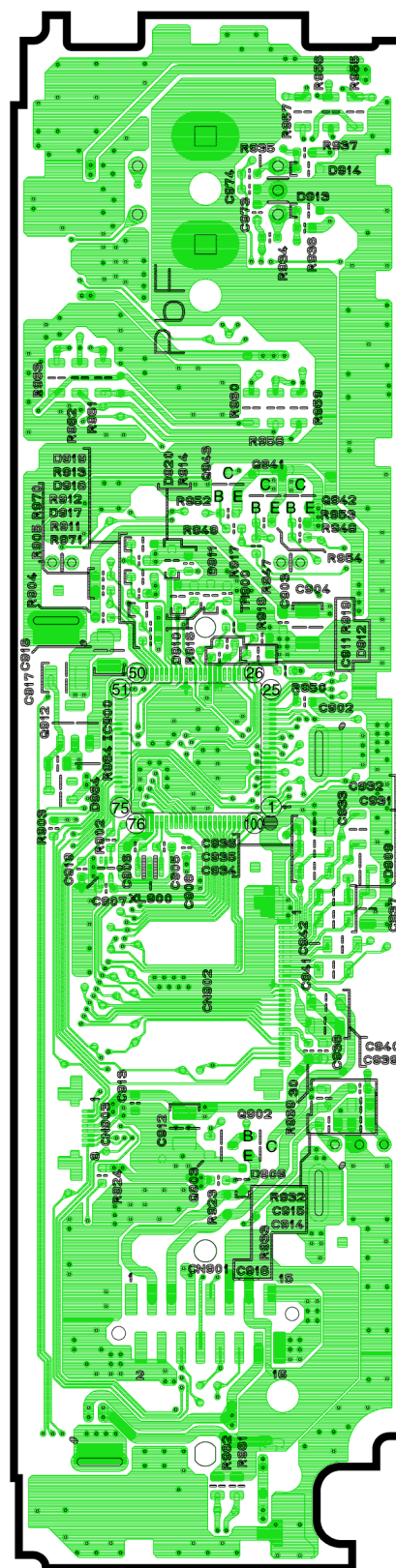
[E-9782b] [Top View]



[E-9782b] [Bottom View]



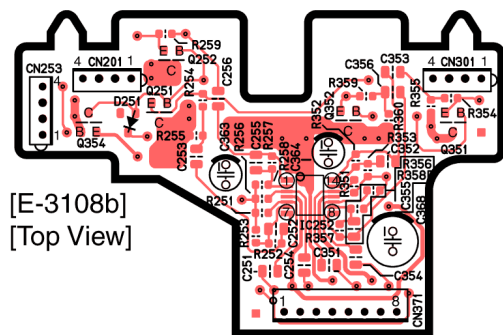
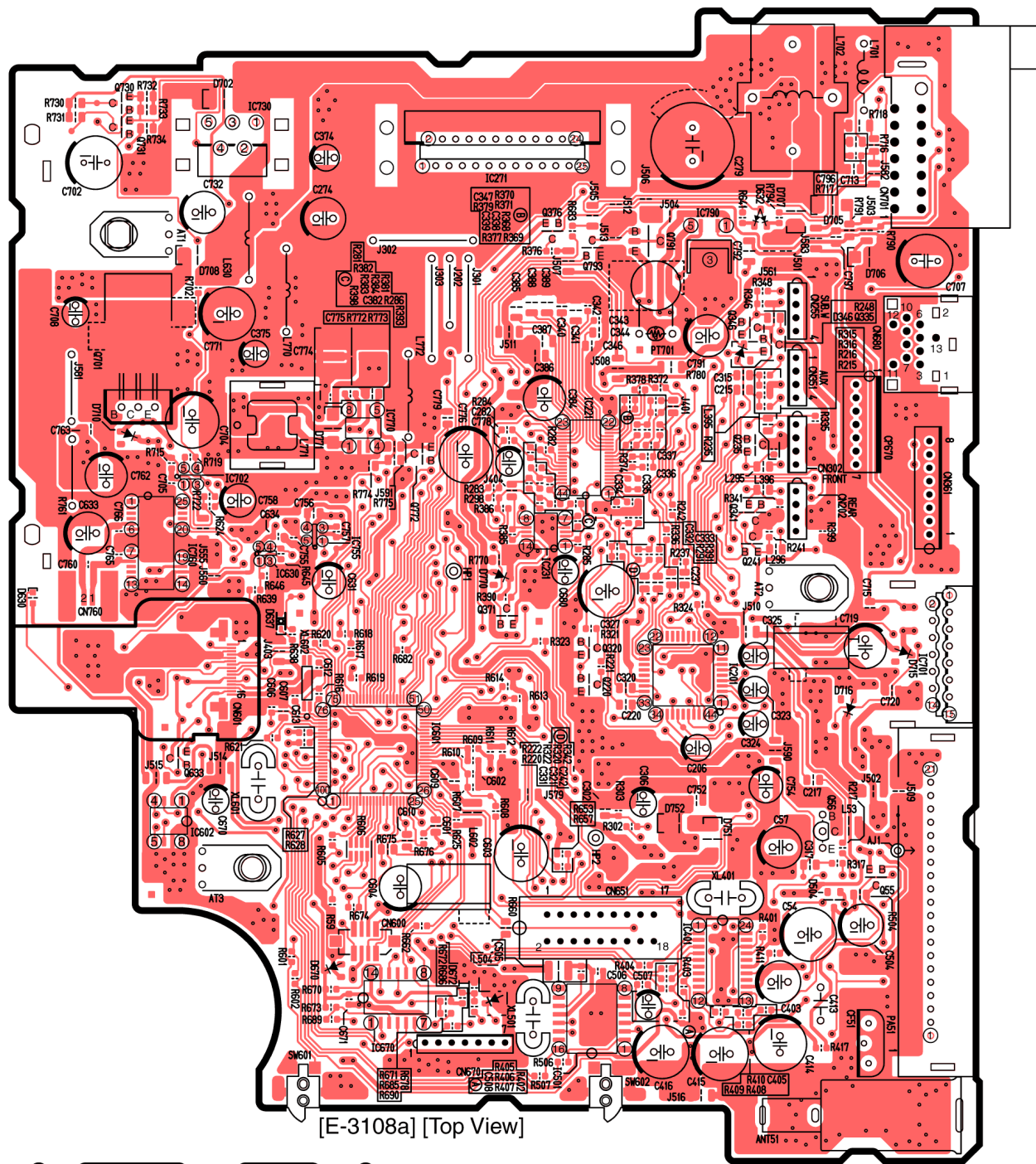
[E-9782a] [Top View]



[E-9782a] [Bottom View]

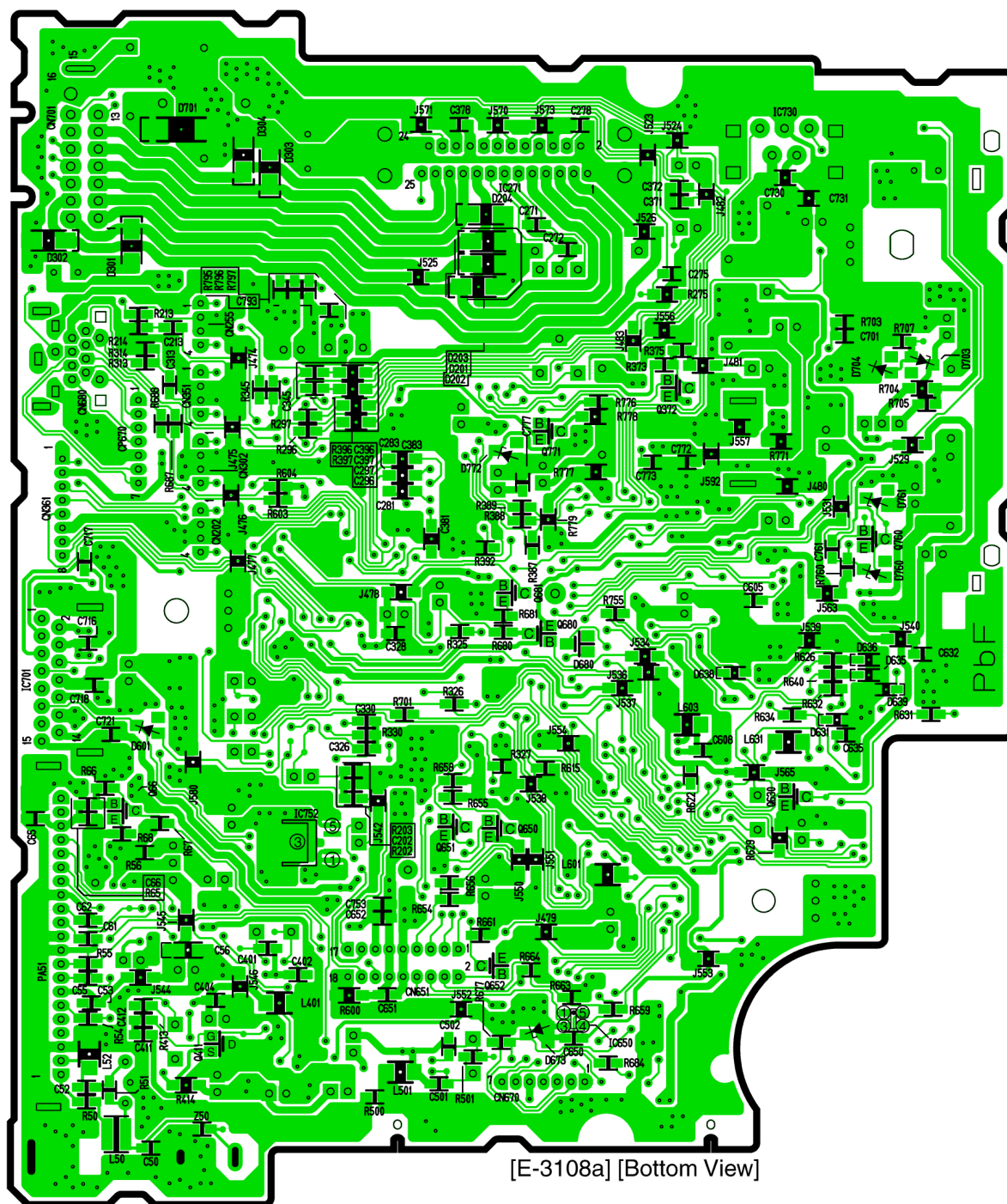
CQ-C7413U/C7113U DISPLAY P.C.B

19.2. Main/Sub Block (Top View) [CQ-C7413U]

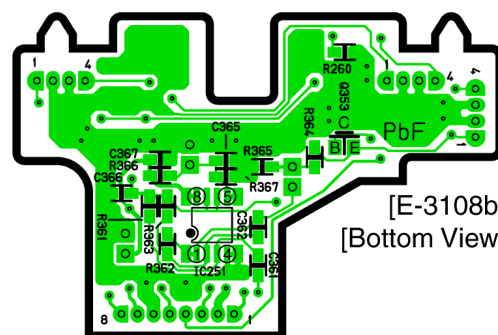


CQ-C7413U MAIN,SUB P.C.B

19.3. Main/Sub Block (Bottom View) [CQ-C7413U]

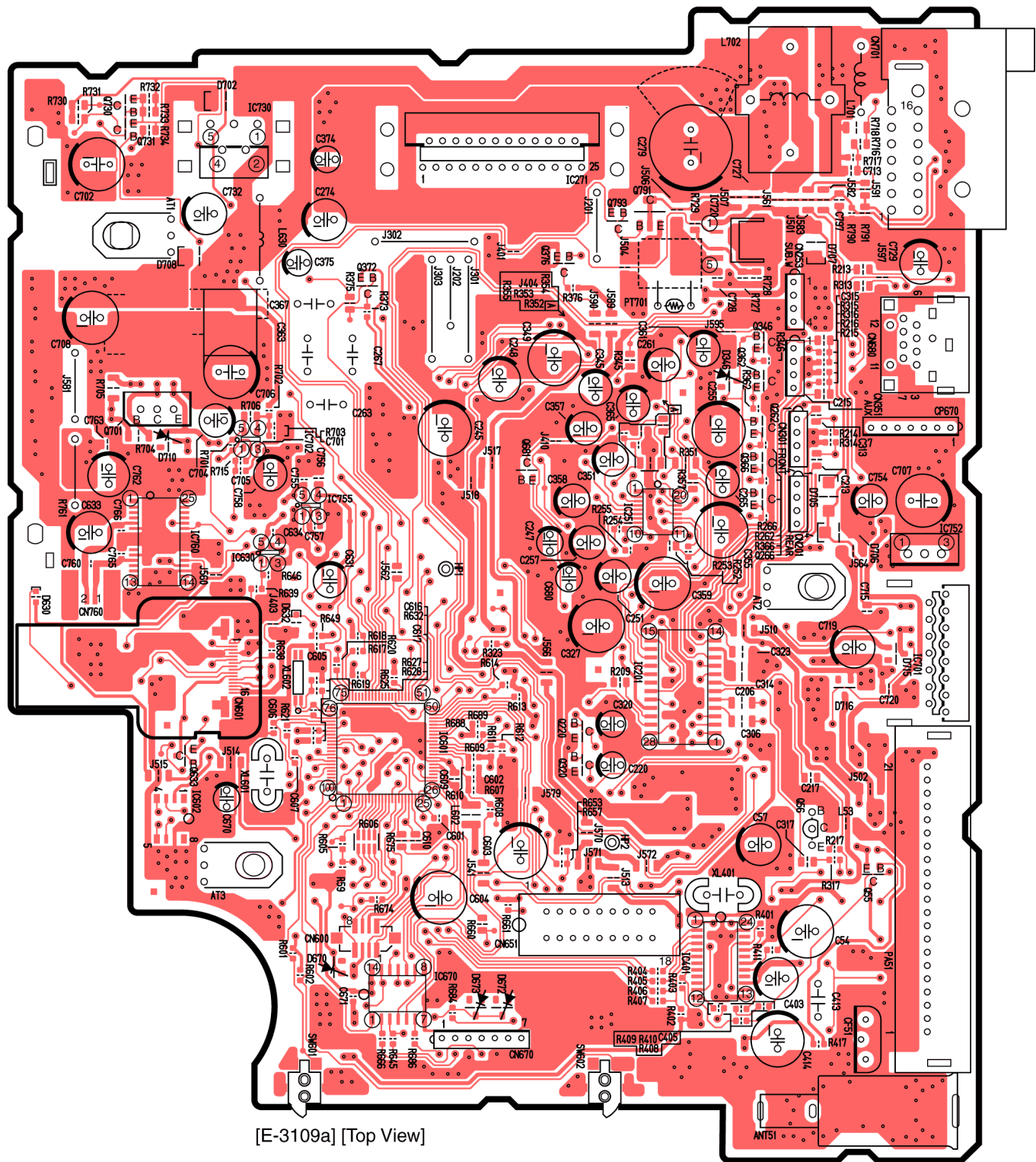


[E-3108a] [Bottom View]

[E-3108b]
[Bottom View]

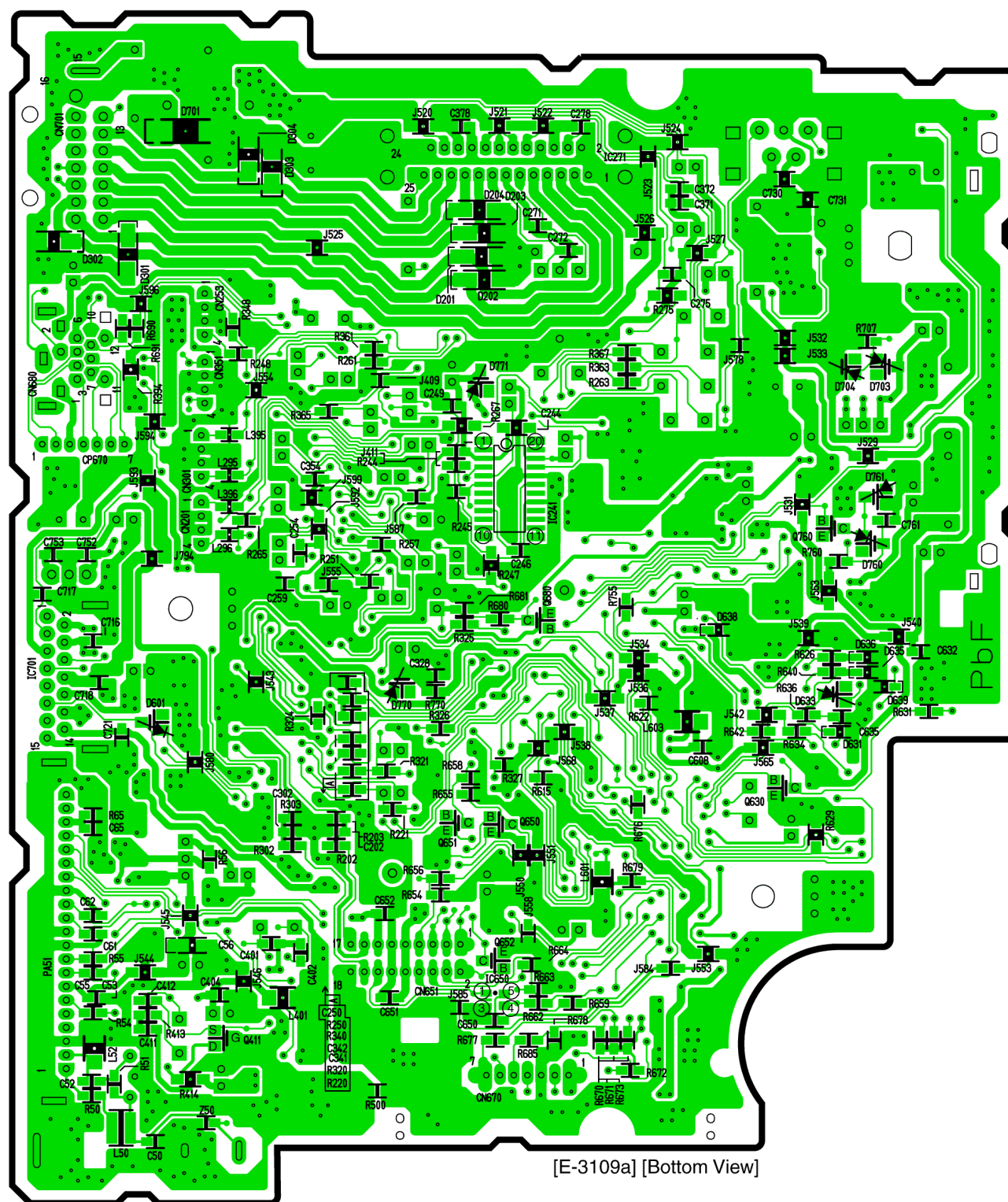
CQ-C7413U MAIN,SUB P.C.B

19.4. Main Block (Top View) [CQ-C7113U]

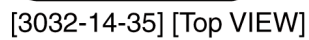


[E-3109a] [Top View]

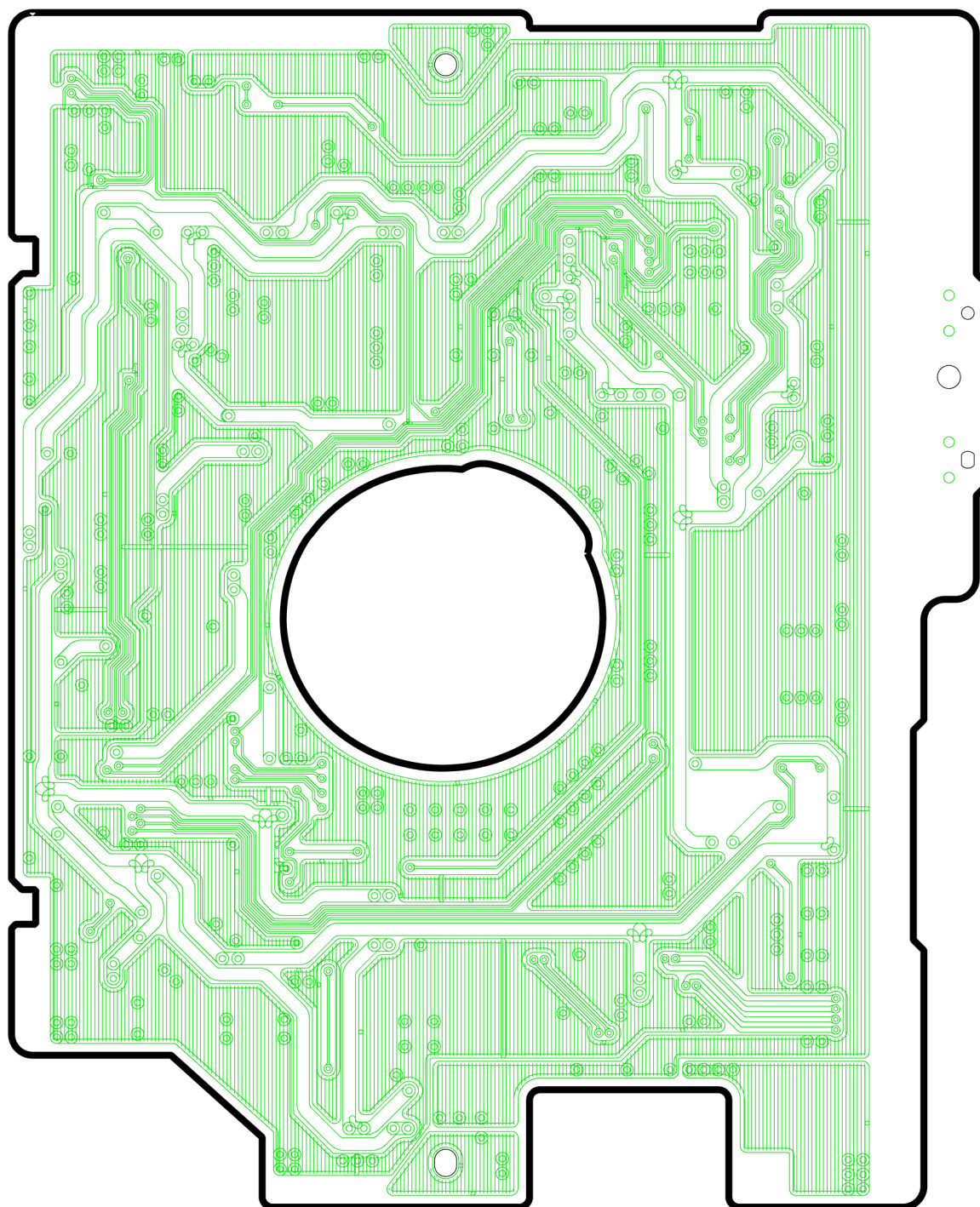
19.5. Main Block (Bottom View) [CQ-C7113U]



CQ-C7113U MAIN P.C.B



19.7. CD Servo Block (Bottom View)

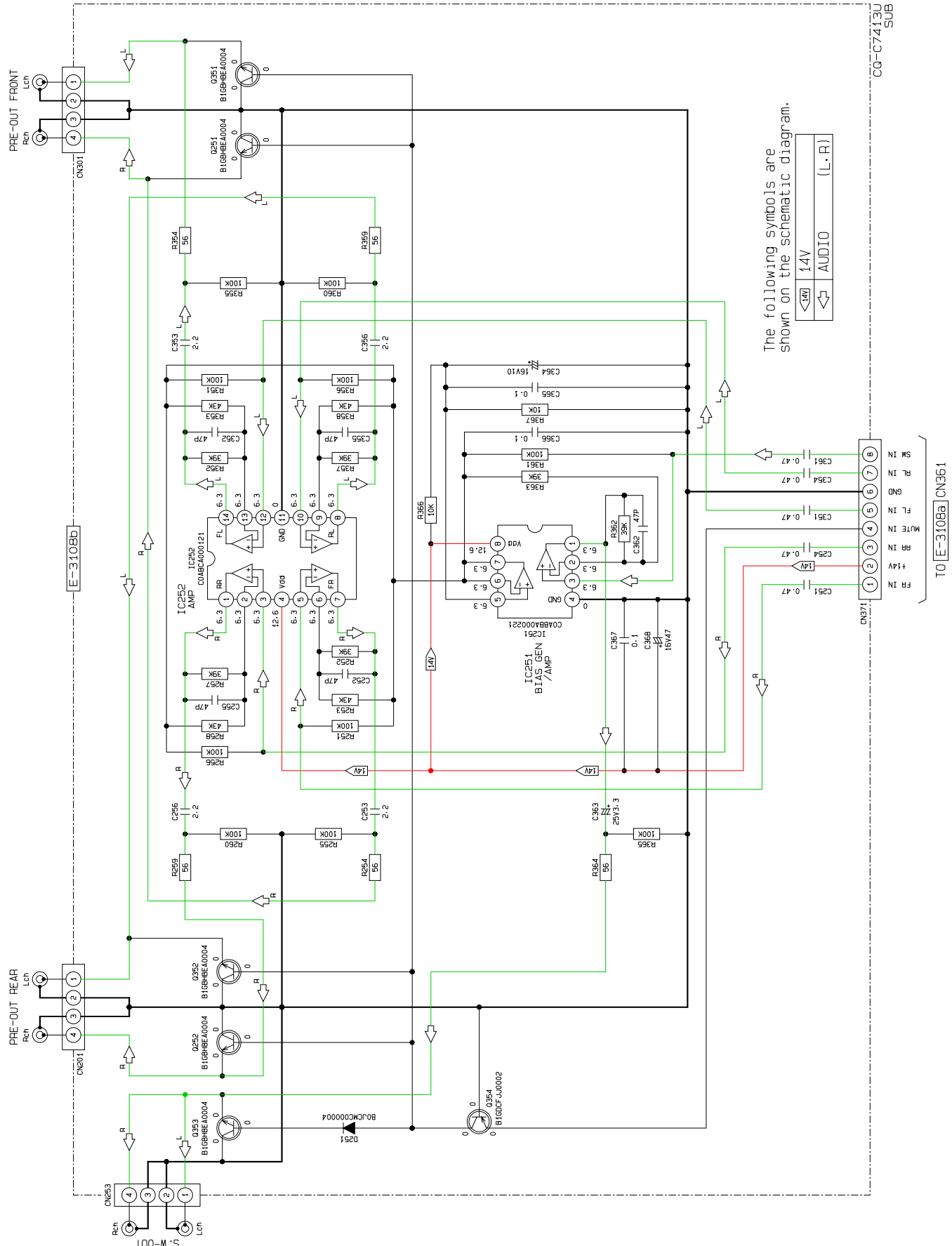


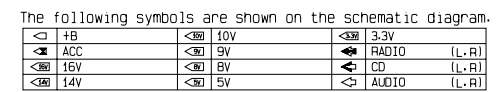
[3032-14-35] [Bottom VIEW]

CQ-C7413U/C7113U CD DECK P.C.B

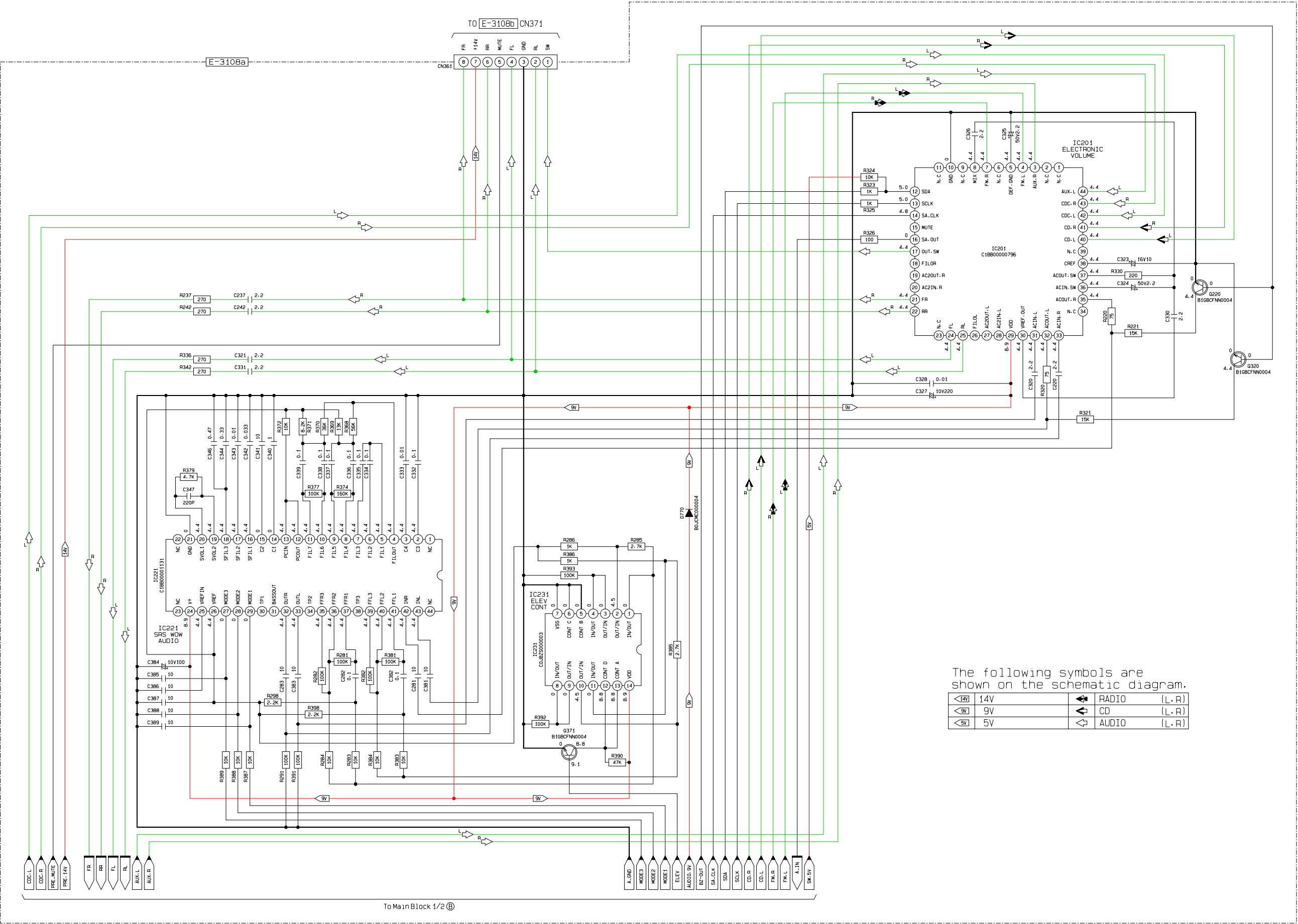
20 SCHEMATIC DIAGRAM-1

20.1. Sub Block [CQ-C7413U]

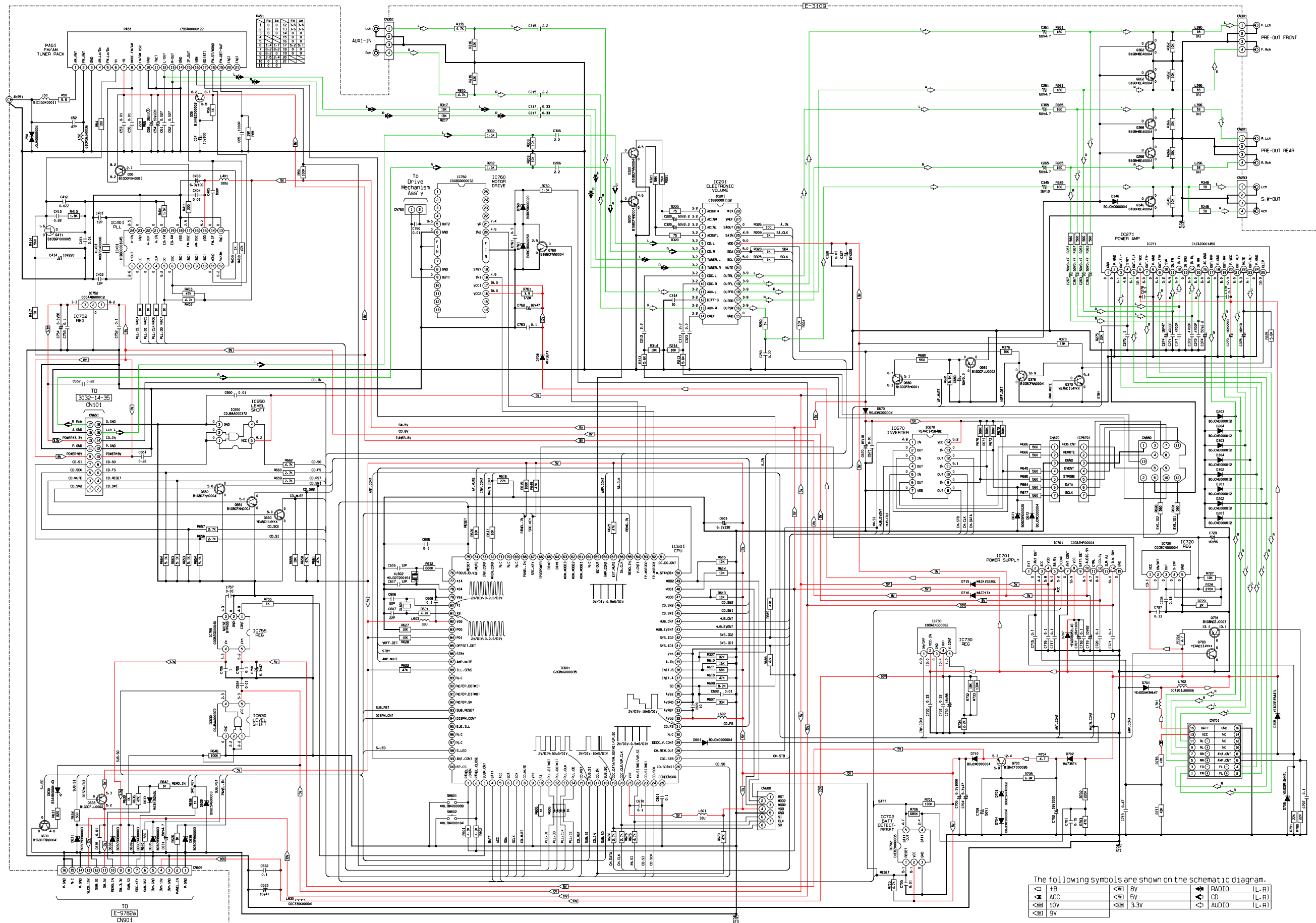




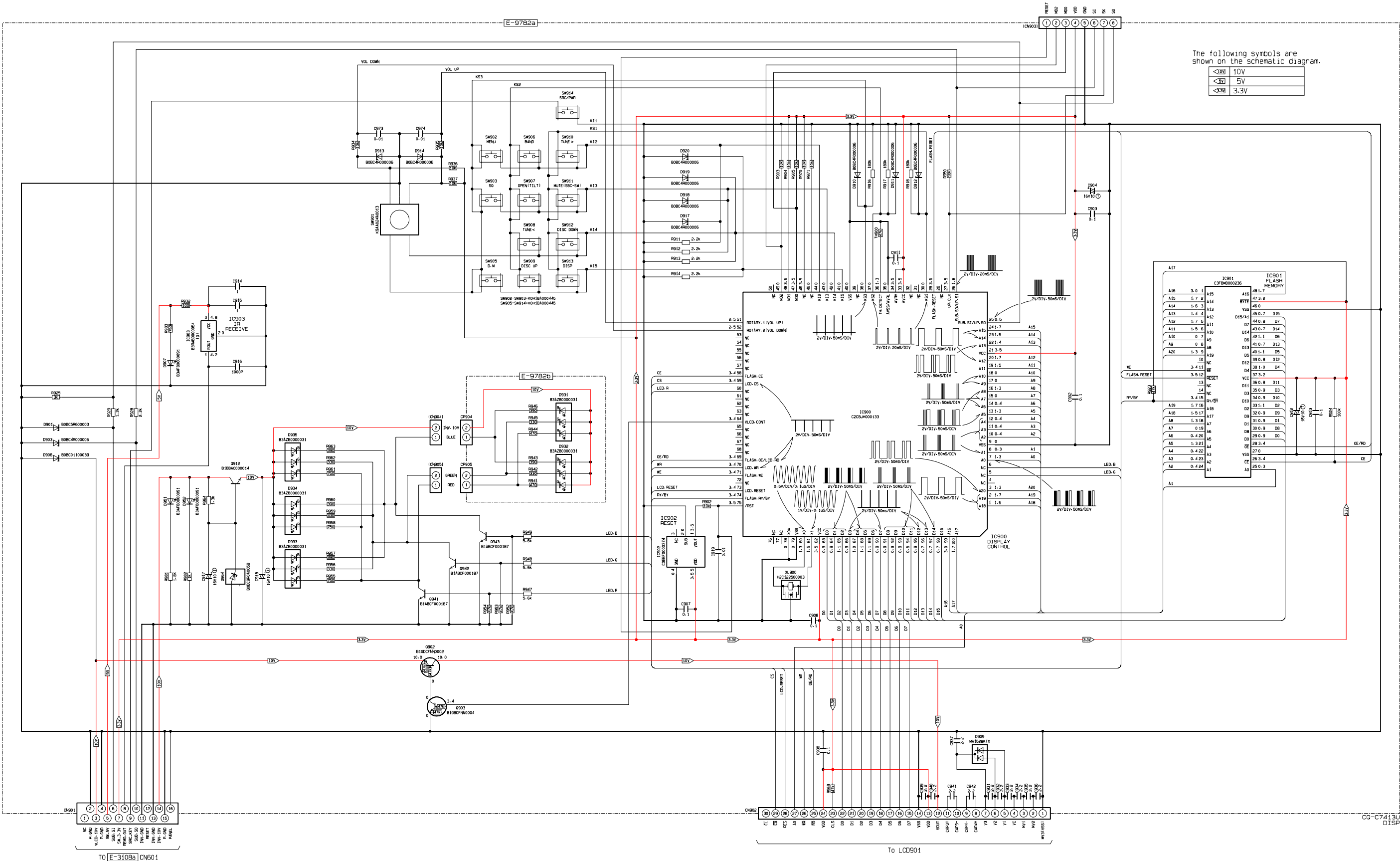
21.2. Main-2 Block [CQ-C7413U]



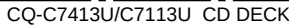
21.3. Main Block [CQ-C7113U]



21.4. Display Block [CQ-C7413U]

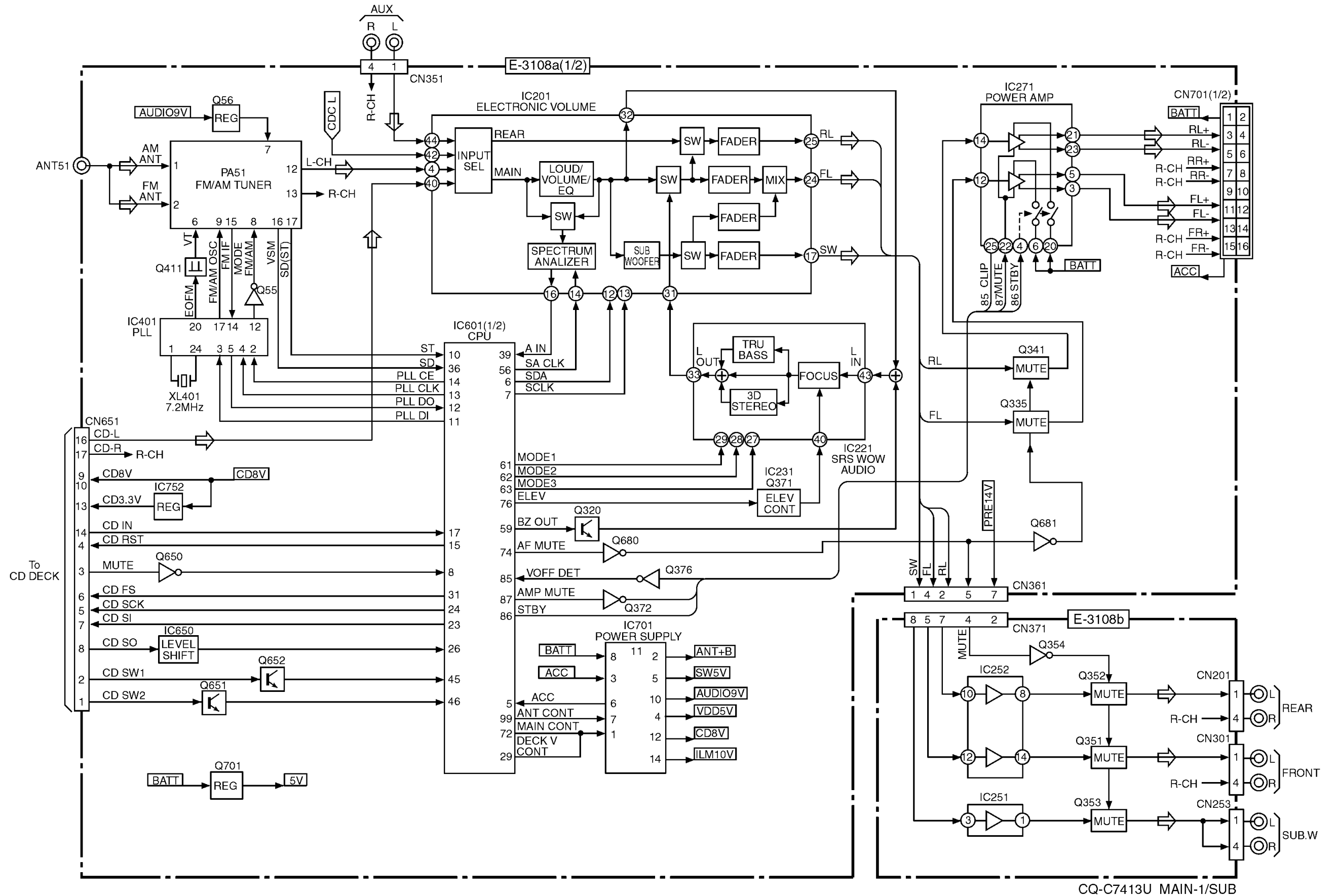




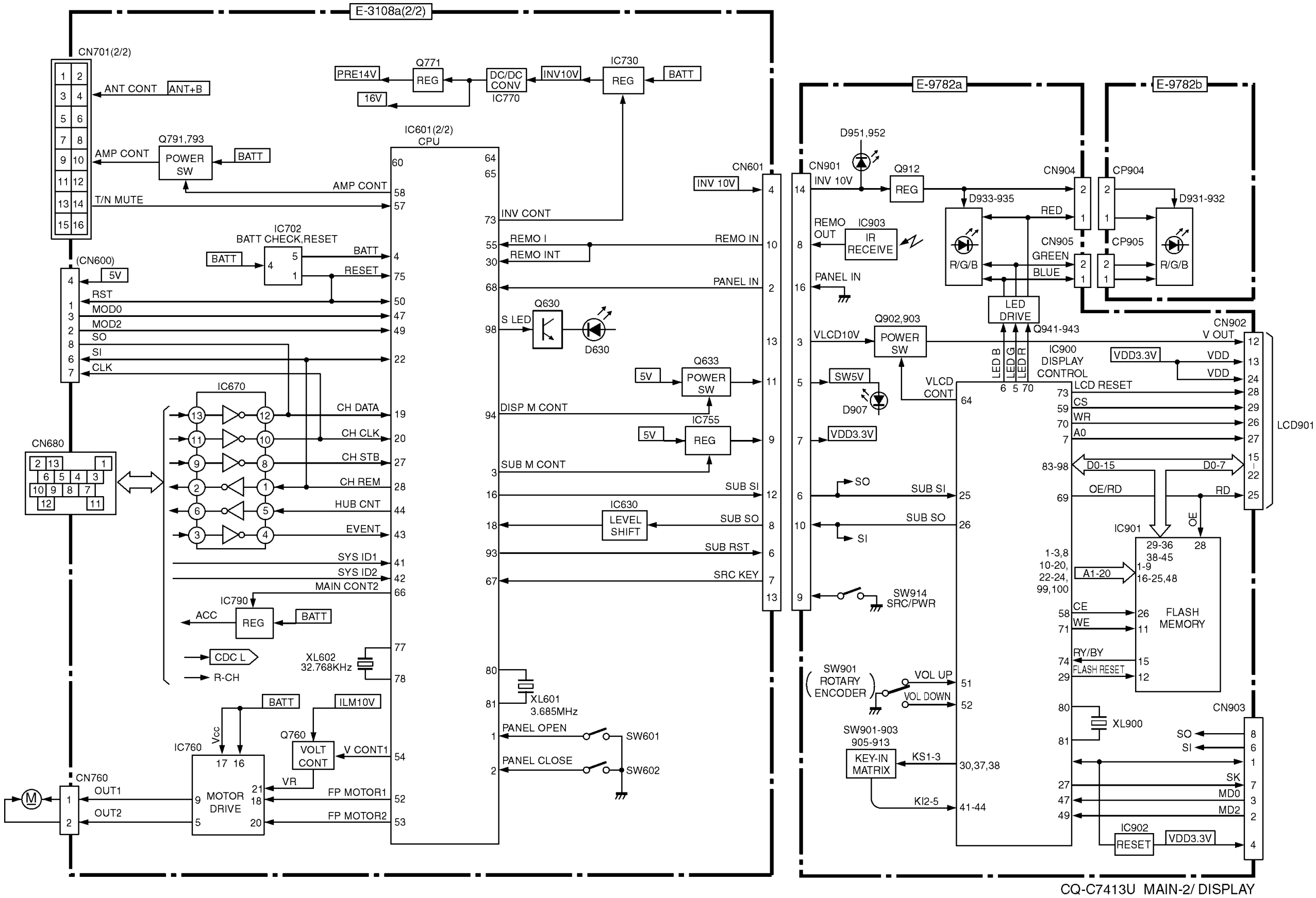


22 BLOCK DIAGRAM

22.1. Main-1/Sub Block [CQ-C7413U]

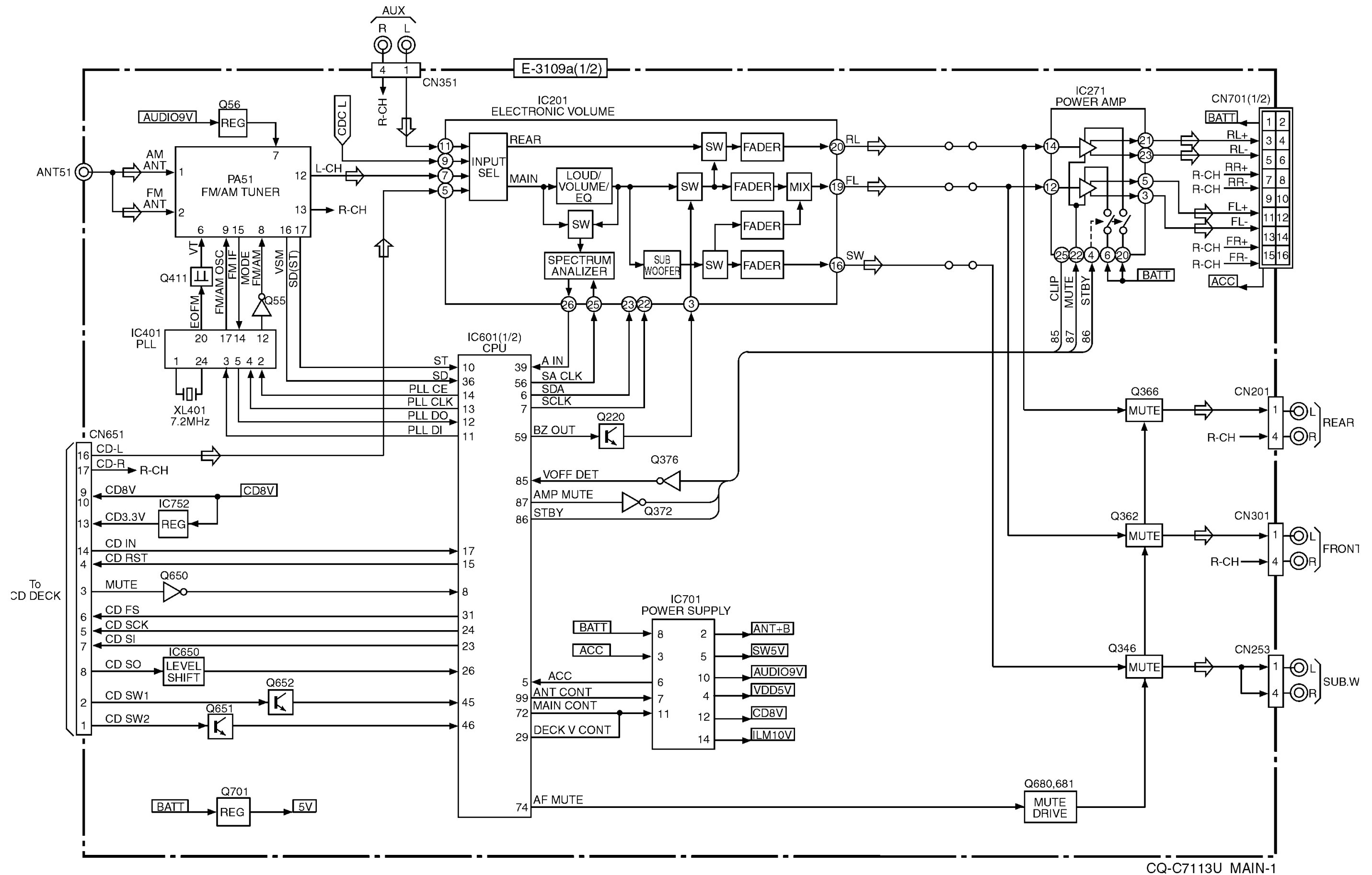


22.2. Main-2/ Display Block [CQ-C7413U]



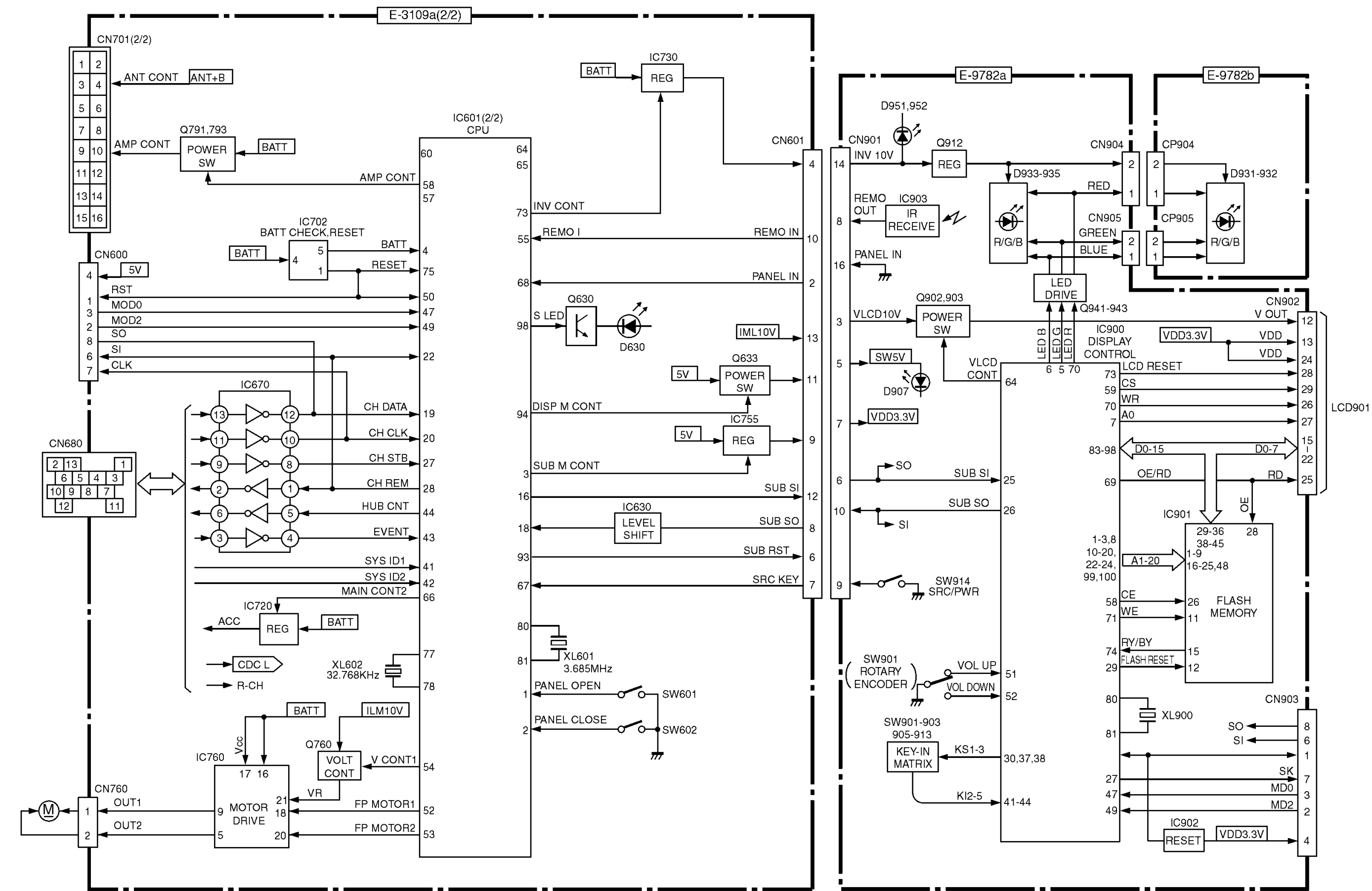
CQ-C7413U MAIN-2/ DISPLAY

22.3. Main-1 Block [CQ-C7113U]



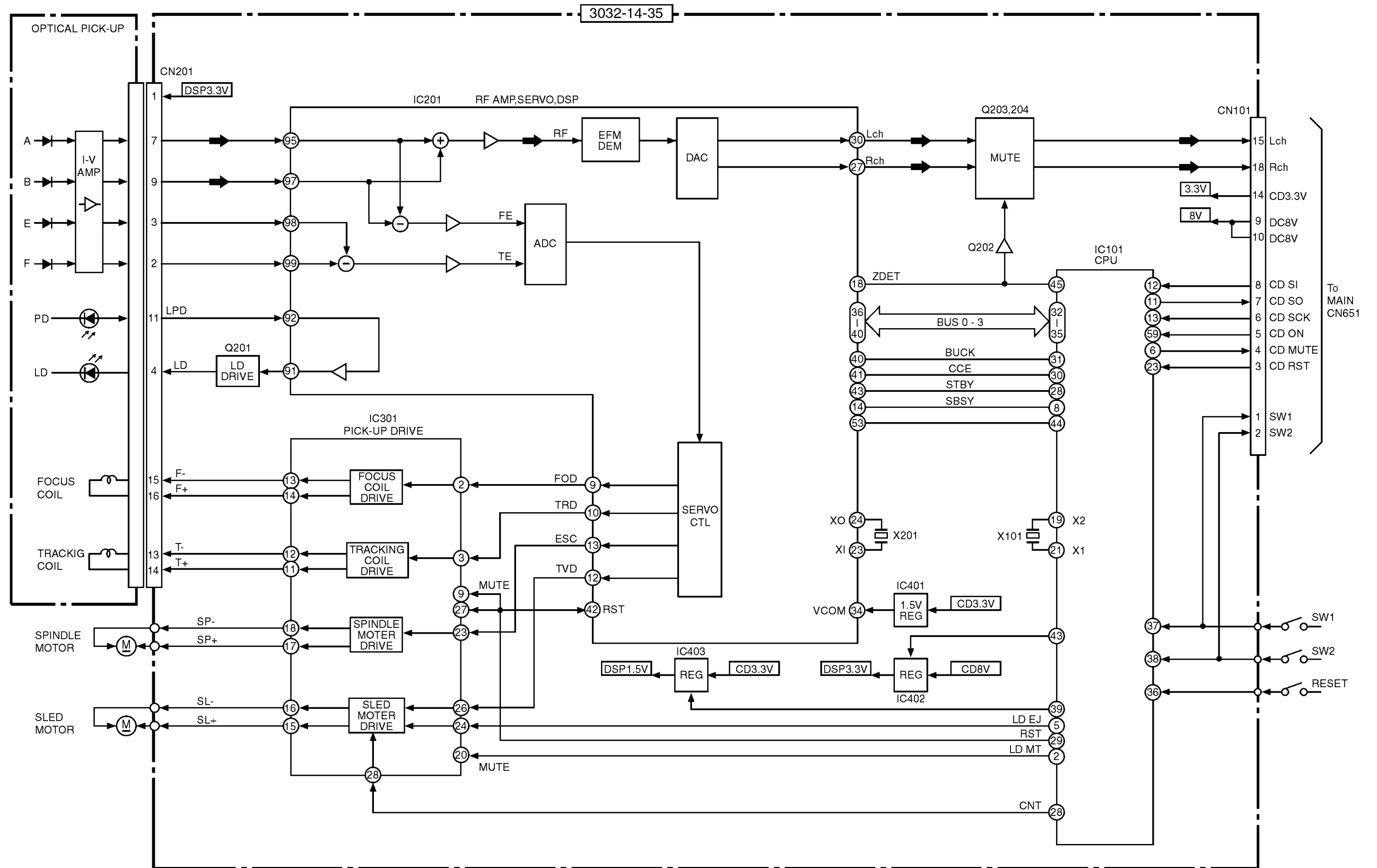
CQ-C7113U MAIN-1

22.4. Main-2/ Display Block [CQ-C7113U]



CQ-C7113U MAIN-2/ DISPLAY

22.5. CD Servo Block

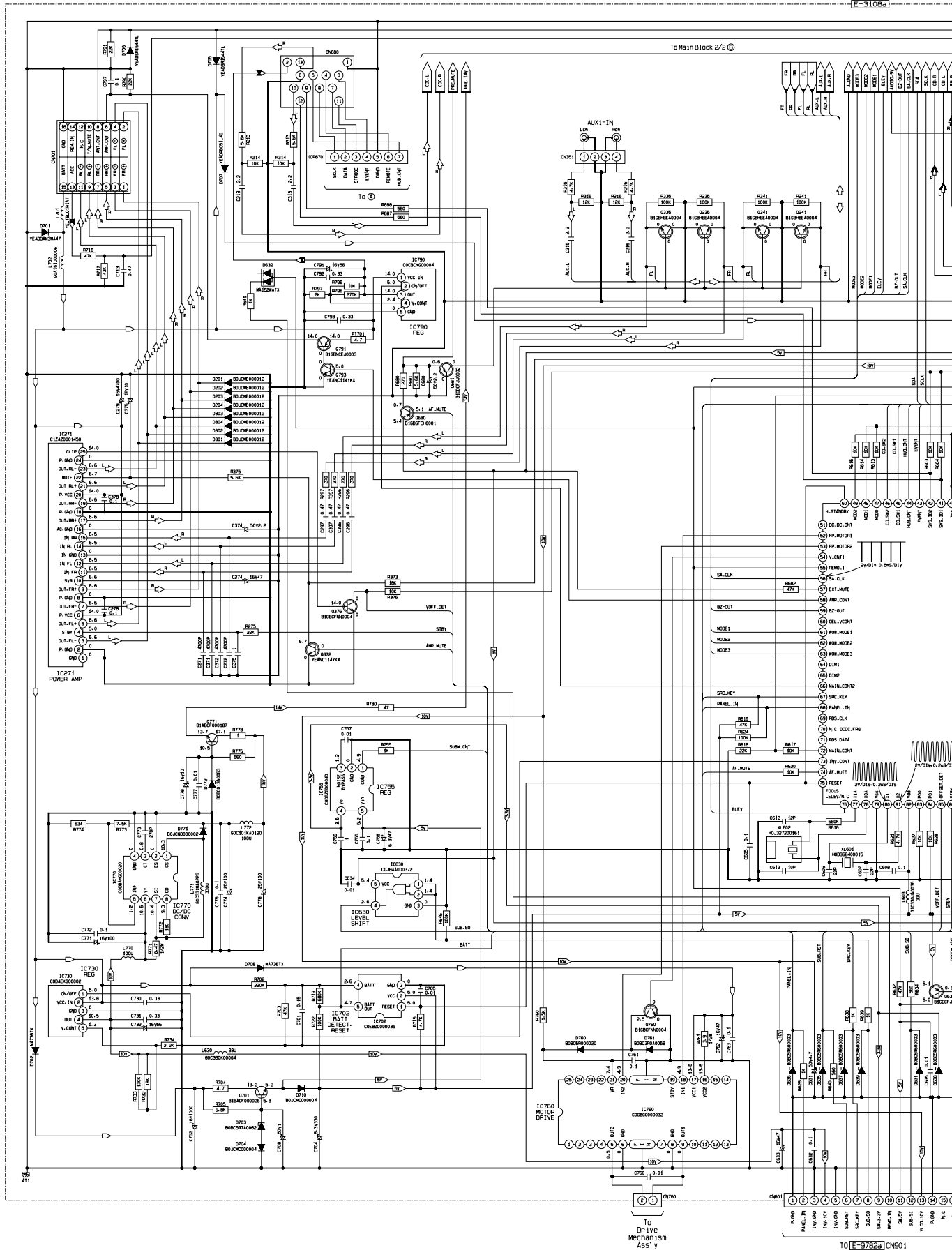


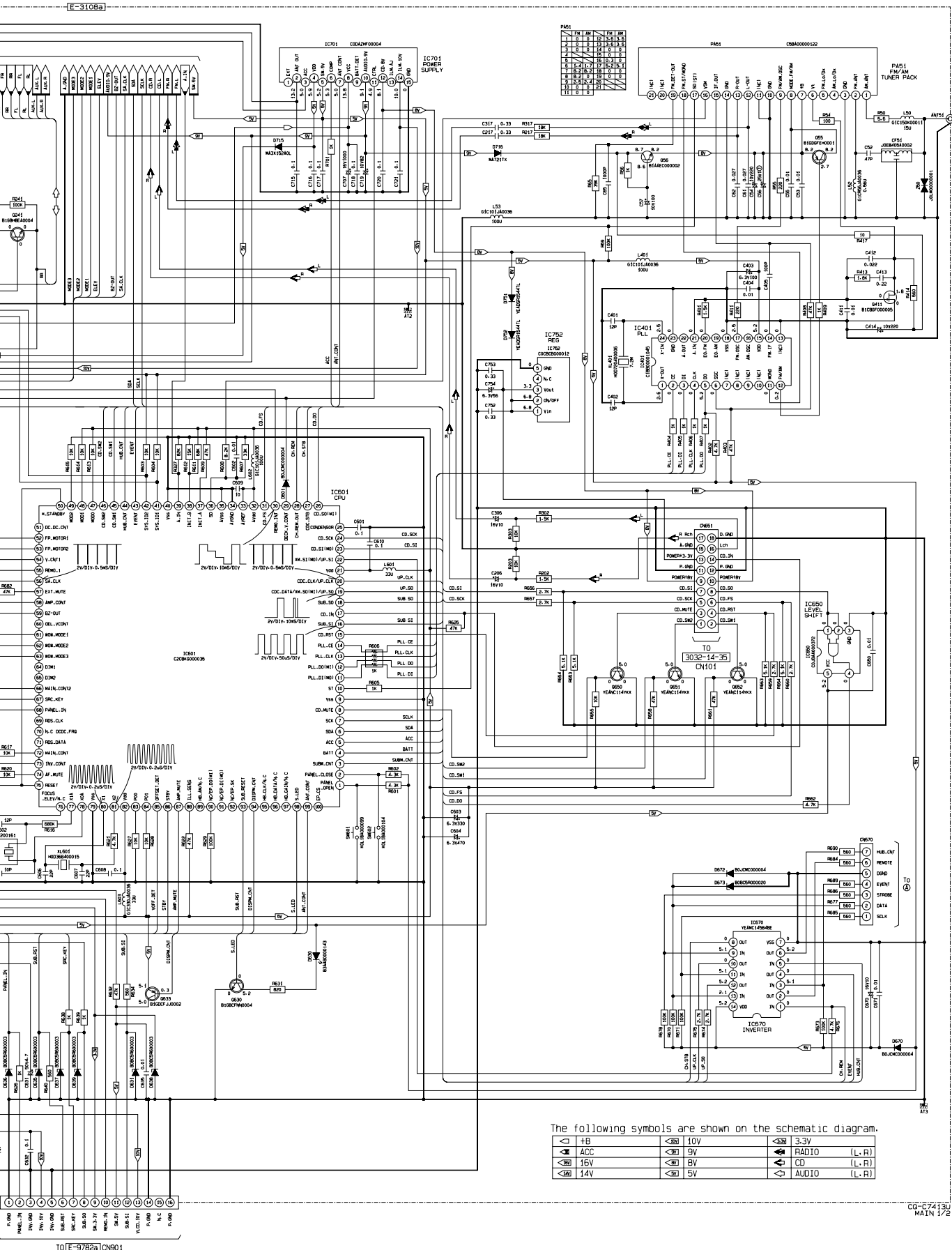
CQ-C7413U/C7113U CD Deck Block

Printed in Japan 2005.12 (K)
(Recycled Paper)

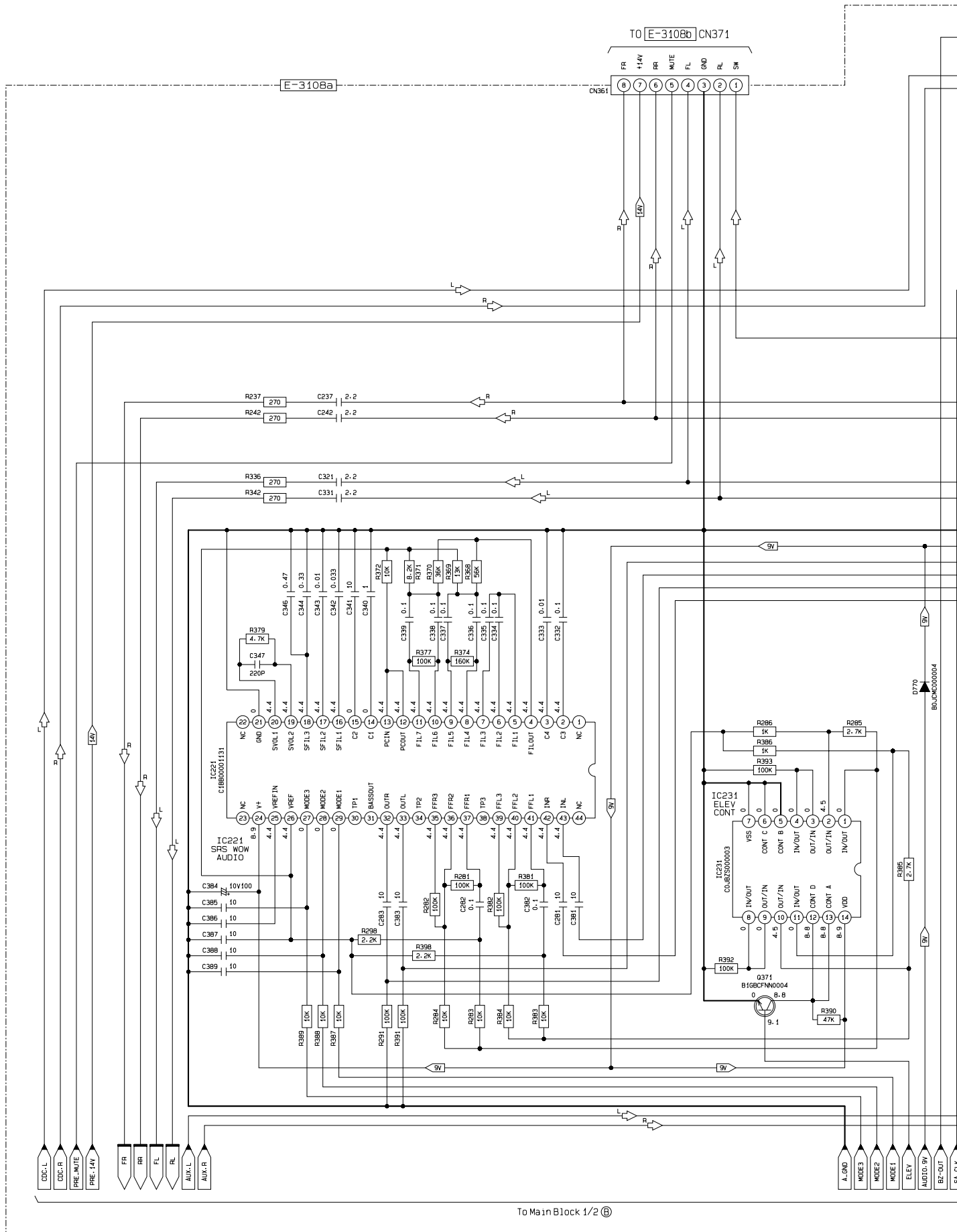
21 SCHEMATIC DIAGRAM-2

21.1. Main-1 Block [CQ-C7413U]



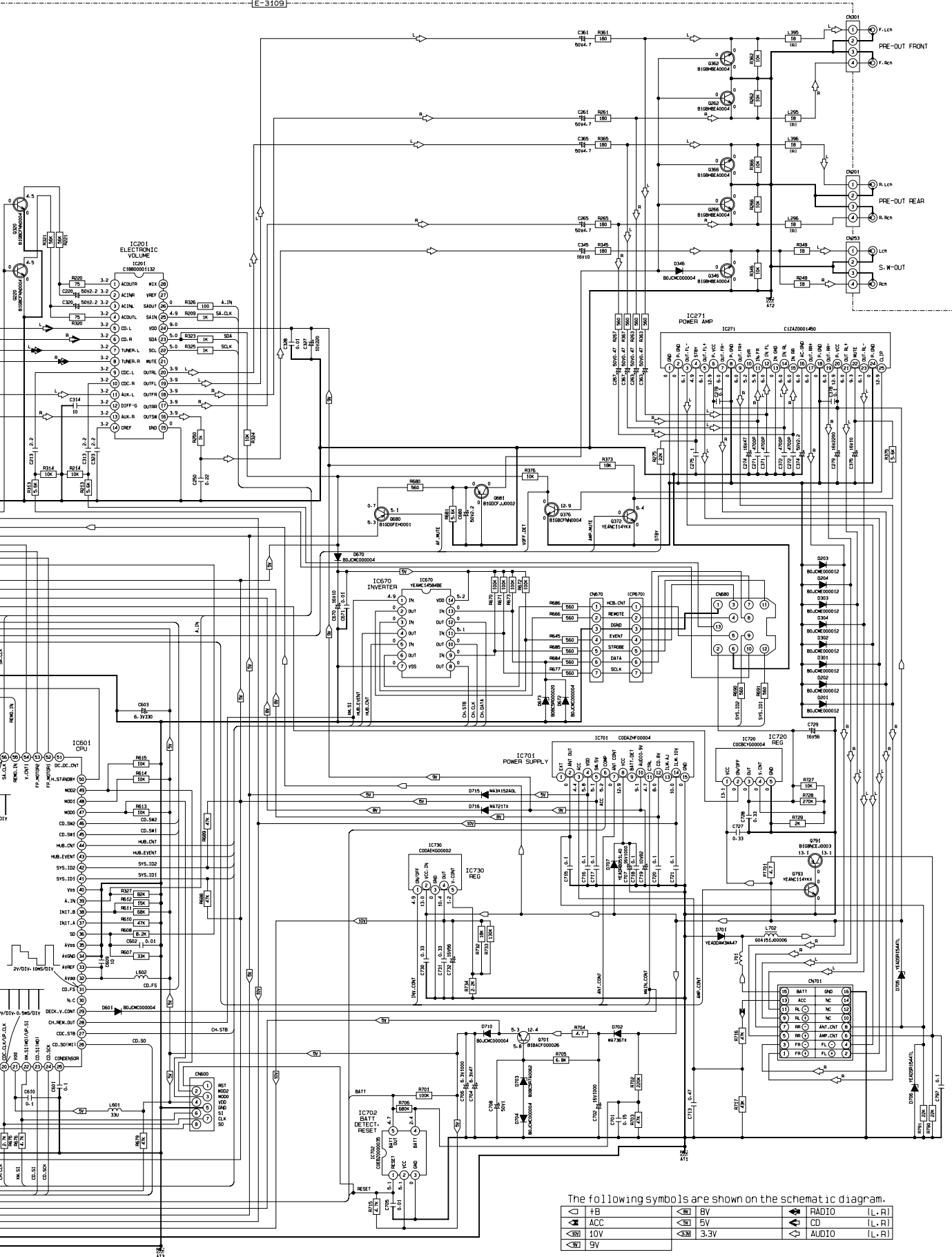


21.2. Main-2 Block [CQ-C7413U]



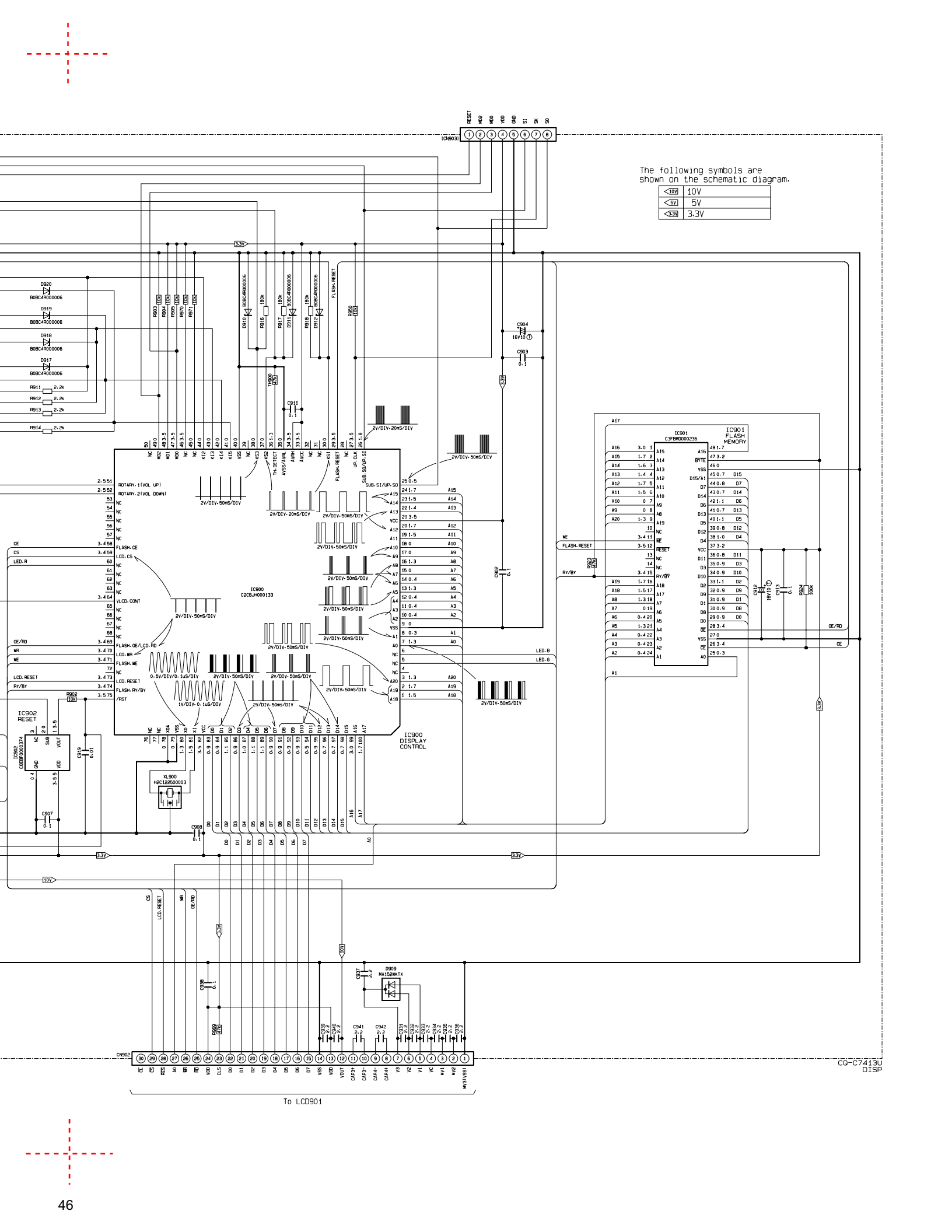


E-3109



CQ-C7113U MAIN





The following symbols are shown on the schematic diagram.

	10V
	5V
	3.3V

IC901 C3FBD000236 FLASH MEMORY	
A16	3.0 1
A15	1.7 2
A14	1.6 3
A13	1.4 4
A12	1.7 5
A11	1.5 6
A10	0 7
A9	0 8
A20	1.3 9
A19	0 10
A18	3.4 11
A17	3.5 12
A16	3.3 13
A15	3.4 14
A14	3.4 15
A13	1.7 16
A12	1.5 17
A11	1.3 18
A10	0 19
A9	0 20
A8	1.3 21
A7	0 22
A6	0.4 23
A5	0.4 24
A4	0.4 25
A3	0.4 26
A2	0.4 27
A1	0.4 28
A0	0.4 29

IC900 C2CB4000133 DISPLAY CONTROL	
A16	3.0 1
A15	1.7 2
A14	1.6 3
A13	1.4 4
A12	1.7 5
A11	1.5 6
A10	0 7
A9	0 8
A20	1.3 9
A19	0 10
A18	3.4 11
A17	3.5 12
A16	3.3 13
A15	3.4 14
A14	3.4 15
A13	1.7 16
A12	1.5 17
A11	1.3 18
A10	0 19
A9	0 20
A8	1.3 21
A7	0 22
A6	0.4 23
A5	0.4 24
A4	0.4 25
A3	0.4 26
A2	0.4 27
A1	0.4 28
A0	0.4 29

IC902 C2BFP000374 RESET	
A16	3.0 1
A15	1.7 2
A14	1.6 3
A13	1.4 4
A12	1.7 5
A11	1.5 6
A10	0 7
A9	0 8
A20	1.3 9
A19	0 10
A18	3.4 11
A17	3.5 12
A16	3.3 13
A15	3.4 14
A14	3.4 15
A13	1.7 16
A12	1.5 17
A11	1.3 18
A10	0 19
A9	0 20
A8	1.3 21
A7	0 22
A6	0.4 23
A5	0.4 24
A4	0.4 25
A3	0.4 26
A2	0.4 27
A1	0.4 28
A0	0.4 29

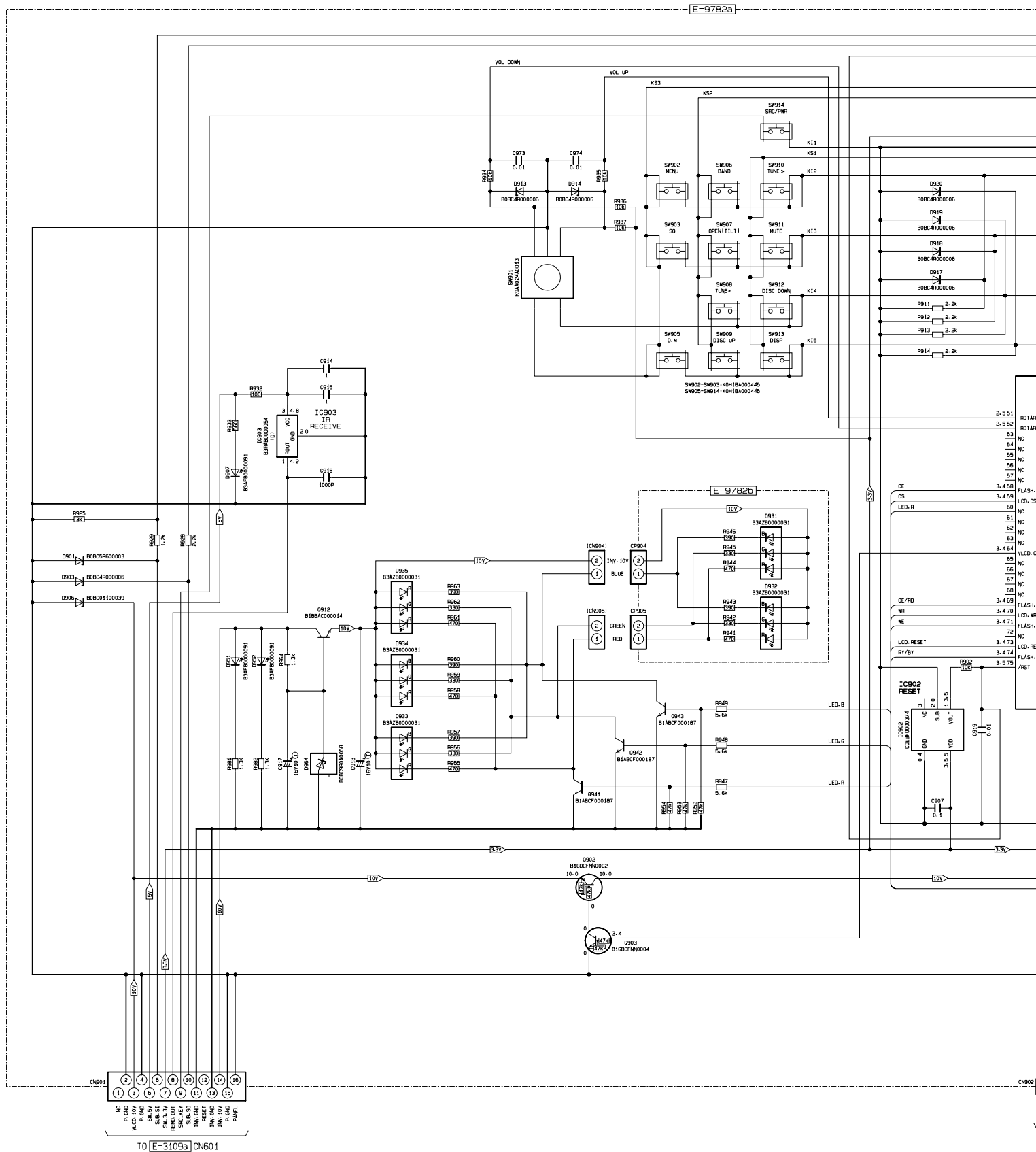
IC903 H2CL50000003	
A16	3.0 1
A15	1.7 2
A14	1.6 3
A13	1.4 4
A12	1.7 5
A11	1.5 6
A10	0 7
A9	0 8
A20	1.3 9
A19	0 10
A18	3.4 11
A17	3.5 12
A16	3.3 13
A15	3.4 14
A14	3.4 15
A13	1.7 16
A12	1.5 17
A11	1.3 18
A10	0 19
A9	0 20
A8	1.3 21
A7	0 22
A6	0.4 23
A5	0.4 24
A4	0.4 25
A3	0.4 26
A2	0.4 27
A1	0.4 28
A0	0.4 29

IC904 MA150MKT4	
A16	3.0 1
A15	1.7 2
A14	1.6 3
A13	1.4 4
A12	1.7 5
A11	1.5 6
A10	0 7
A9	0 8
A20	1.3 9
A19	0 10
A18	3.4 11
A17	3.5 12
A16	3.3 13
A15	3.4 14
A14	3.4 15
A13	1.7 16
A12	1.5 17
A11	1.3 18
A10	0 19
A9	0 20
A8	1.3 21
A7	0 22
A6	0.4 23
A5	0.4 24
A4	0.4 25
A3	0.4 26
A2	0.4 27
A1	0.4 28
A0	0.4 29

To LCD901

C0-C7413
DISP

21.5. Display Block [CQ-C7113U]





21.6. CD Servo Block

3032-14-35

