

TOYOTA

AUDIO COMPONENT SERVICE MANUAL



CQ-JT1010X CQ-JS6910X

AM/FM MPX Radio with Stereo Cassette
Tape Player and CD Player

PART No. (CQ-JT1010X) : 86120-AD020

(CQ-JS6910X) : 86120-2B680

ID CODE (CQ-JT1010X) : A56815

(CQ-JS6910X) : A56814

VEHICLE (CQ-JT1010X) : TACOMA

(CQ-JS6910X) : ECHO, CELICA, MR-S

DESTINATION : North America

PRODUCED AFTER : Mar., 2000

Specifications*

General

Power Supply	DC 12V (11V - 16V), Test Voltage 13.2V Negative Ground
Current Consumption	Less than 2A
Power Output	17W×4

AM Radio	
Frequency Range	530 - 1,710 kHz
Usable Sensitivity	25dB/μV (S/N 20dB)

FM Stereo Radio	
Frequency Range	87.75 - 107.9MHz
Usable Sensitivity	6dB/μV (S/N 30dB)

CD Player	
Signal to Noise Ratio	More than 66dB
Total Harmonic Distortion	Less than 0.4%
Channel Separation	More than 55dB

Cassette Player	
Reproduction System	4-Track, 2-Program Stereo
Tape Speed	1-7/8" (4.76cm/sec)
Wow and Flutter	Less than 0.3% (WRMS)
Signal to Noise Ratio	More than 55dB (IHF-A)

Dimensions**(W×H×D)	178×100×156.5mm
Weight**	2.3kg

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

** Dimensions and Weight shown are approximate.

Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.

"Dolby" and the double-D symbol  are trade marks of Dolby Laboratories Licensing Corporation.

PUB. No. 80622

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1 FEATUERS

- PLL (Phase Locked Loop) synthesized tuning
- 18-station preset (12-FM, 6-AM)
- NCD-8 Series CD Deck Mechanism
- NCA-1 Series Cassette Deck Mechanism
- Electronic Audio control with Rotary Encoder
- AVC-LAN Control

2 LASER PRODUCTS

Do not take apart this unit or attempt to make any changes yourself.

This unit is very intricate that uses a laser pickup to retrieve information from the surface of compact discs. The laser is carefully shielded so that its rays remain inside the cabinet. Therefore, never try to disassemble the player or alter any of its parts since you may be exposed to laser rays and dangerous voltages.

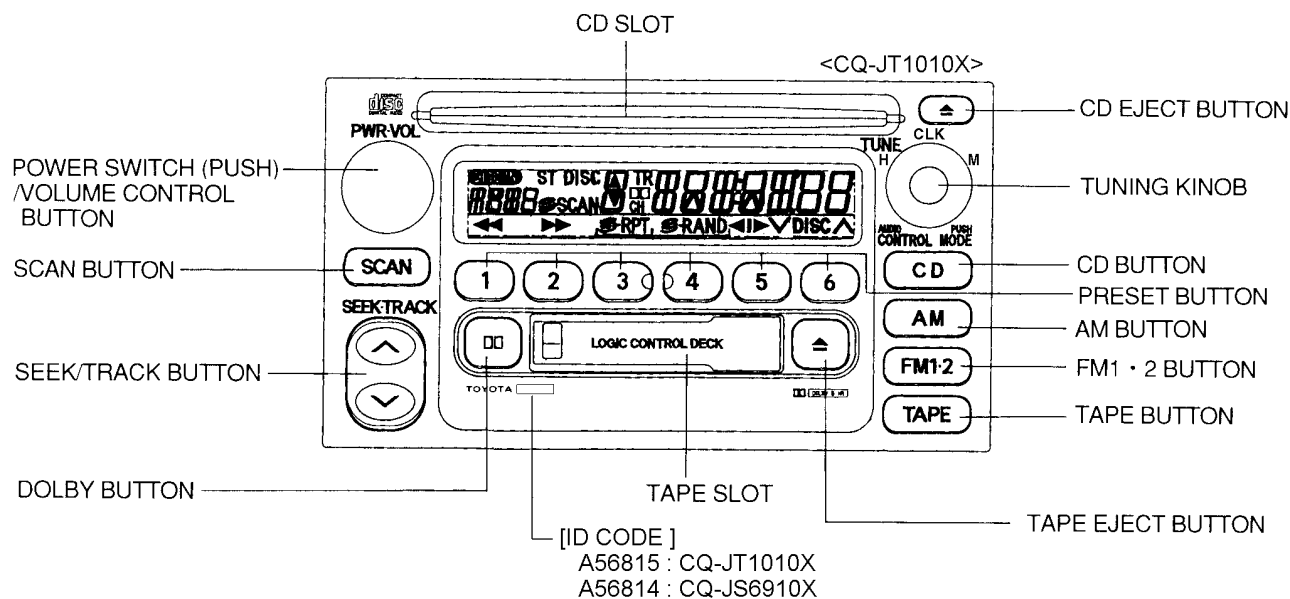
Laser products :

Wave length	780nm
Laser power	No hazardous radiation is emitted with safety protection.

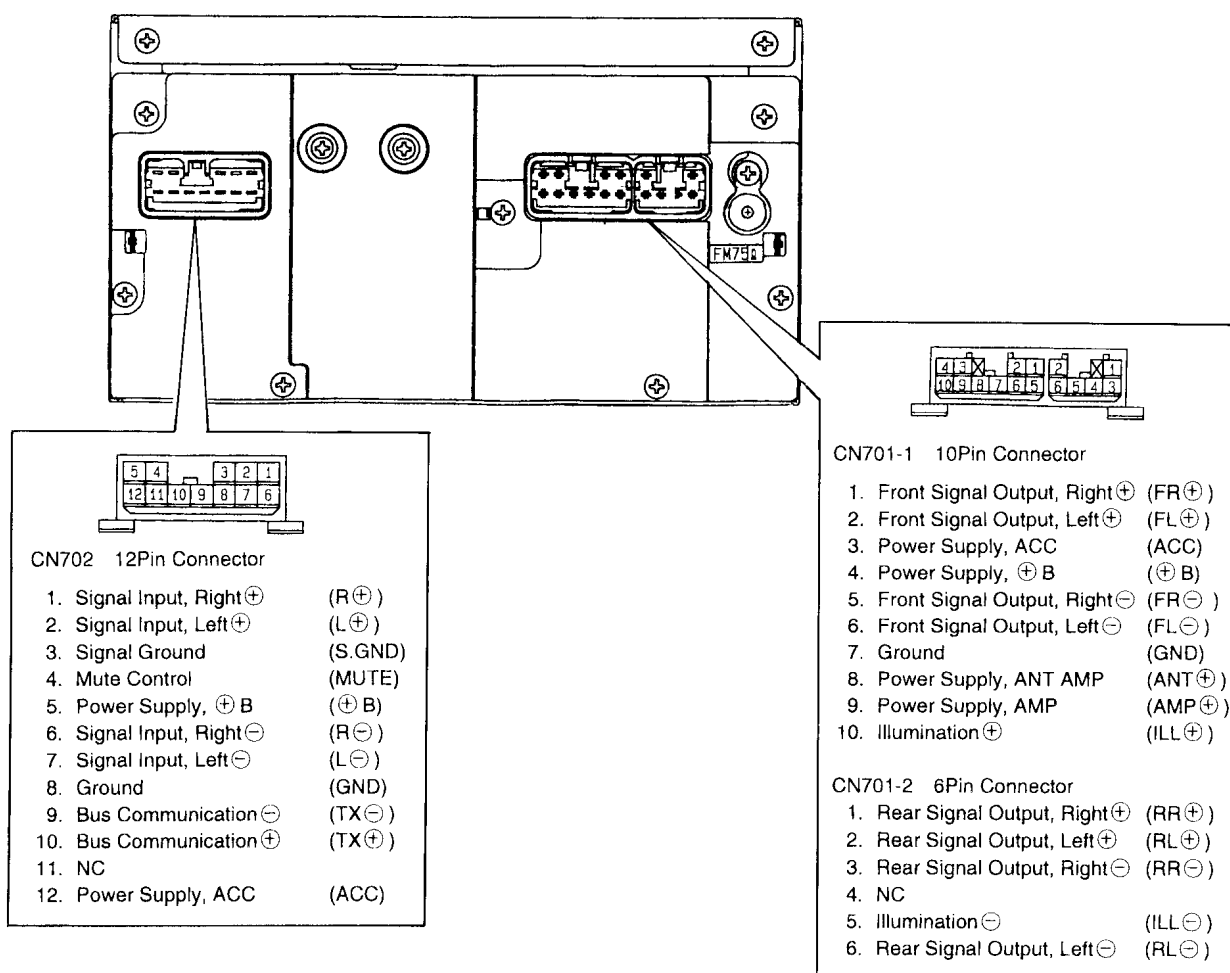
Caution

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.

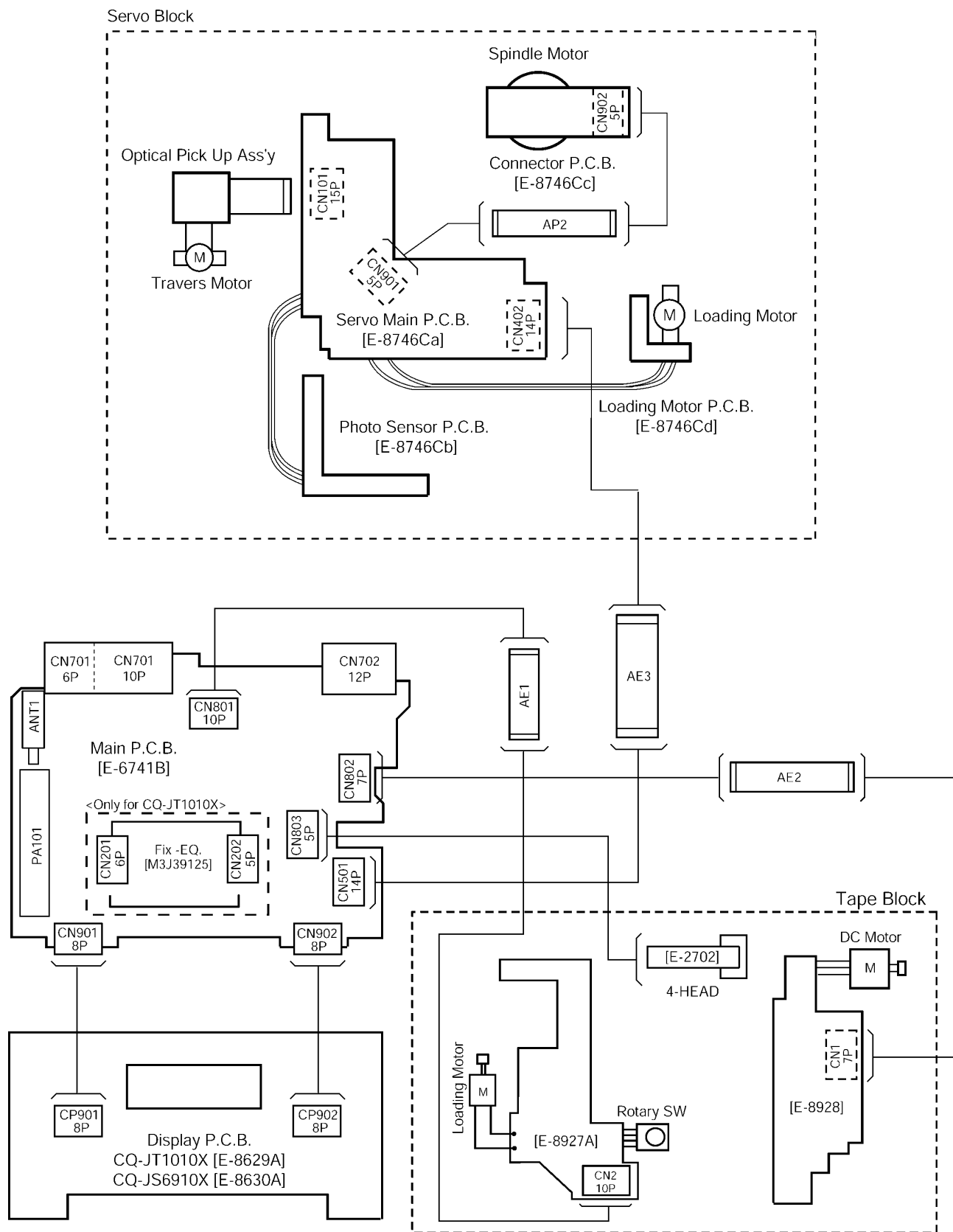
3 FRONT VIEW AND FUNCTIONS



4 REAR VIEW AND CONNECTORS

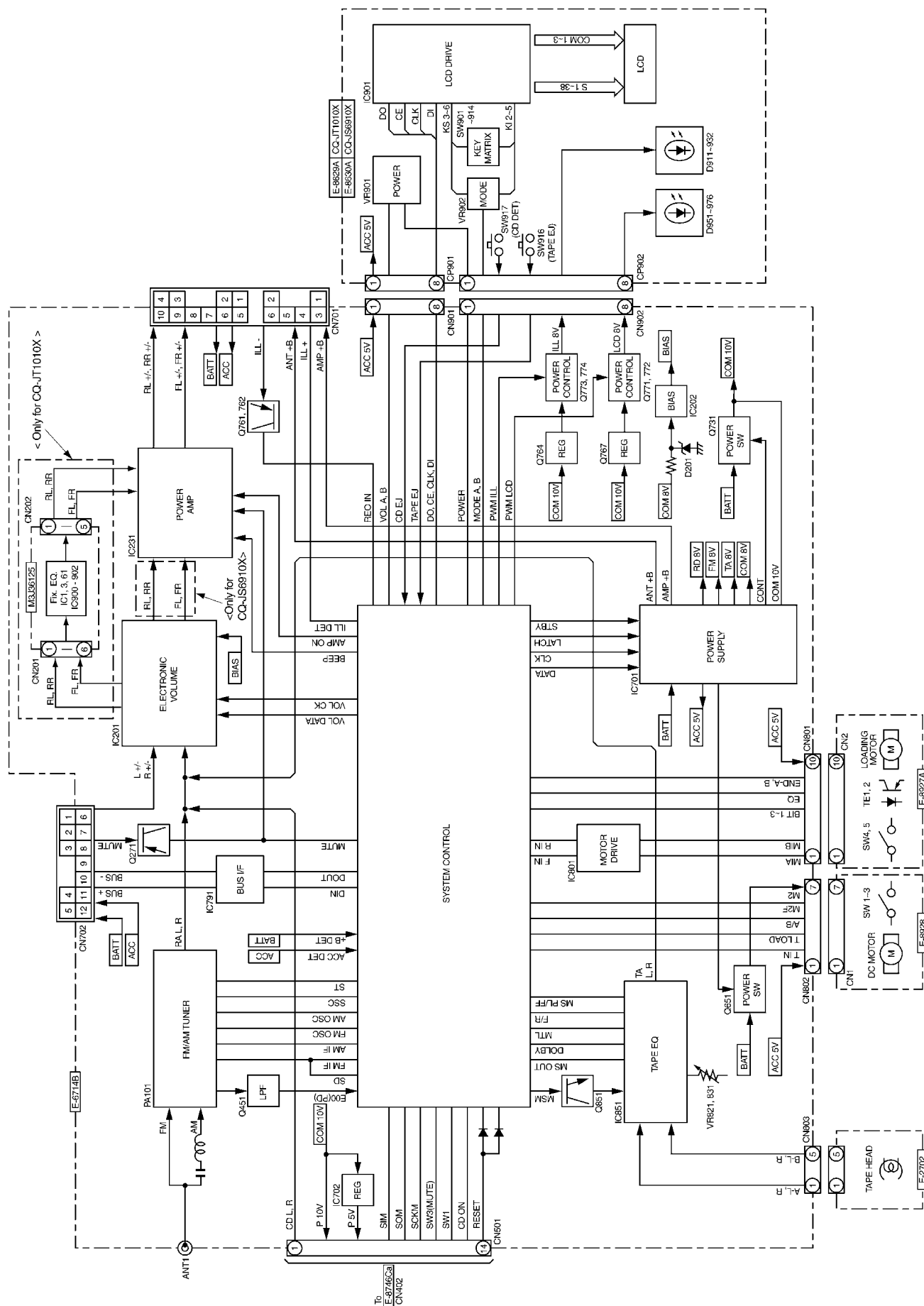


5 WIRING CONNECTION



6 BLOCK DIAGRAM

6.1. Main Block





7 TERMINALS DESCRIPTION

7.1. Main Block

IC601 : C2BBGF000090

Pin No.	Port	Descriptions	I/O	FM (V)	AM (V)	CD (V)	TP (V)
1	STBY	Power Control IC Standby Control	0	4.9	4.8	4.9	4.8
2	LATCH	Power Control IC Latch Control	0	4.9	4.9	4.9	4.9
3	CD SOM	CD Serial Data Input	I	0	0	1.5	0
4	CD SIM	CD Serial Data Output	0	0	0	0	0
5	CD SCKM	CD Serial Data Clock	0	0	0	4.9	0
6	MUTE	H: Mute ON, L: Mute OFF	0	0	0	0	0
7	DATA	Power Control IC Data	0	0	0	0	0
8	CLK	Power Control IC Cloclock	0	0	0	0	0
9	EQ	Metal tape Detection	I	4.8	4.8	4.8	0
10	BIT3	Tape Rotary Switch 3	I	4.8	4.8	4.8	0
11	BIT2	Tape Rotary Switch 2	I	4.8	4.8	4.8	4.8
12	BIT1	Tape Rotary Switch 1	I	0	0	0	4.8
13	VOL CK	Electronic Volume Clock	0	0	0	0	0
14	VOL DATA	Electronic Volume Data	0	0	0	0	0
15	R IN	Tape Control	0	0	0	0	0
16	F IN	Tape Control	0	0	0	0	0
17	RADIO MUTE	-	-	0	0	0	0
18	IFZ	IF Noise Control	I	4.8	4.8	4.8	4.8
19	DX/LOC	-	-	0	0	0	0
20	ST	H: Stereo, L: Monoral	i	0	1.8	0	0
21	SSC	Search Stop Clear	0	0	0	0	0
22	SD	Radio Signal Detect	I	0	0	0	0
23	REO IN	Reostat Signal Input	I	0	0	0	0
24	ACC DET	ACC Votage Detect	I	1.9	1.9	1.9	1.9
25	+B DET	BATT Voltage Detect	I	0	1.8	1.8	1.8
26	ILL DET	Illumi. Detection	I	2.3	2.3	2.4	2.3
27	VDD	+5V Power supply	-	4.9	4.9	4.9	4.9
28	VSM	(Connecting to Ground)	-	0	0	0	0
29	MAIN VOL	(Connecting to Ground)	-	0	0	0	0
30	GND	(Connecting to Ground)	-	0	0	0	0
31	GND	(Connecting to Ground)	-	0	0	0	0
32	GND	Ground	-	0	0	0	0
33	REG CPU	CPU Regulator Terminal	-	3.4	3.4	3.4	3.4
34	VDD0	+5V Power Supply	-	4.9	4.9	4.9	4.9
35	REG OSC	Oscillate Terminal	-	4.9	4.9	4.9	4.9
36	X2	Main System X-tal	I	1.9	1.9	1.9	1.9
37	X1	Main System X-tal	0	2.1	2.1	2.1	2.1
38	GND 0	Ground	-	0	0	0	0
39	NC	-	-	-	-	-	-
40	GND 2	Ground	-	0	0	0	0
41	AM IF	AM IF Counter	I	0	2.0	0	0
42	FM IF	FM IF Counter	I	2.0	0	0	0
43	VDD PLL	+5V Power supply	-	4.8	4.8	4.8	4.8
44	FM OSC	FM Oscillator Input	I	2.5	0	0	0
45	AM OSC	AM Oscillator Input	I	0	1.8	0	0
46	GND PLL	Ground (for PLL)	-	0	0	0	0
47	EO 0	Phase Detector Output	0	1.4	1.4	0	1.4
48	(NC)	-	-	-	-	-	-
49	IC (VPP)	IC VPP Terminal	I	0	0	0	0
50	RESET	Reset Control Input	I	4.8	4.8	4.8	4.8
51	VOL B	Rotary Encoder	I	4.8	4.8	0	4.8
52	VOL A	Rotary Encoder	I	0	0	0	4.8
53	RESMONI	4.5V Detect Monitor	0	4.9	4.9	4.9	4.9
54	LCD D0	LCD Driver Data Input	I	4.8	4.8	4.9	4.8
55	LCD DI	LCD Driver Data Output	0	0	0	0	0
56	LCD CE	LCD Driver Chip Enable	0	0	0	0	0
57	LCD CLK	LCD Driver Clock	0	0	0	0	0
58	POWER	POWER Switch Signal	I	4.8	4.8	4.8	4.8
59	BEEP	Beep Sound Output	0	0	0	0	0
60	(NC)	-	-	0	0	0	0
61	PWM ILL	Illumi. Power Control	0	7.6	7.6	7.6	7.6
62	PWM LCD	LCD Power Control	0	7.6	7.6	7.6	7.6
63	M2F	Tape Motor Control	0	0	0	0	0.5
64	(NC)	-	-	-	-	-	-

Pin No.	Port	Descriptions	I/O	FM (V)	AM (V)	CD (V)	TP (V)
65	(NC)	-	-	-	-	-	-
66	(NC)	-	-	-	-	-	-
67	DIV MAIN	-	-	0	0	0	0
68	DIV SUB	-	-	0	0	0	0
69	SO (NC)	-	-	0	0	0	0
70	SI (NC)	-	-	0	0	0	0
71	LCD ON	-	-	0	0	0	0
72	ILL ON	-	-	0	0	0	0
73	D IN	AVC LAN Data Output	0	0	0	0	0
74	D OUT	AVC LAN data Input	I	0	0	0	0
75	(NC)	-	-	0	0	0	0
76	MODE B	Rotary Encoder(MODE SW)	I	0	0	0	0
77	MODE A	Rotary Encode (MODE SW)	I	0	0	0	0
78	TAPE EJ	TAPE EJECT Key	I	4.8	4.8	4.8	4.8
79	CD EJ	CD EJECT Key	I	4.8	4.8	4.8	4.8
80	INTERS	4.5V Detect Interrupt	I	4.9	4.9	4.9	4.9
81	SETUP 2	-	-	-	-	-	-
82	GND1	Ground	-	0	0	0	0
83	SW1	Disc Detect Switch 1	I	0	0	3.9	0
84	SW3	Disc Detect Switch 3	I	0	0	4.2	0
85	CD ON	CD CPU Stundby	0	0	0	4.9	0
86	CD RESET	CD CPU Reset	0	4.9	4.9	4.9	4.9
87	MS PL/FF	Tape Mode Control	0	0	0	0	0
88	F/R	Tape A/B Side Signal	0	0	0	0	0
89	MTL	Tape Metal Control	0	0	0	0	4.8
90	DOLBY	Tape Dolby Control	0	0	0	0	4.9
91	MS OUT	Tape Music Sensor Detection	I	4.8	4.8	4.8	0
92	MSM	Tape blank Signal Detect Sensitivity	0	0	0	0	4.8
93	AMP ON	AMP Power Control	0	4.8	4.8	4.8	4.8
94	T IN	Tape In Detect	I	4.8	4.8	4.8	0
95	T LOAD	Tape Position Detect	I	4.8	4.8	4.8	0
96	A/B	Tape A/B Side Signal	I	0	0	0	0
97	END A	Tape End Detect A	I	0	0	0	0
98	END B	Tape End Detect B	I	4.7	4.7	4.7	0
99	VDD	+5V Power supply	-	4.9	4.9	4.9	4.9
100	GND	Ground	-	0	0	0	0

Note 1 : Voltage measuerments are with respect to ground, with a voltmeter (internal resistance : 10M ohms).

7.2. Display Block

IC901 : C0HBA0000016

Pin No.	Port	Descriptions	I/O	Vol. (V)
1-38	SEG1-38	LCD segment data	0	2.4
39,40	SEG39,40	Not used	-	-
41-43	COM1-3	LCD common	0	2.4
44	KS1/S41	Not used	-	-
45	KS2/S42	Not used	-	-
46-49	KS2-9	Key scan	0	4.8
50	KI1	Not used	-	-
51-54	KI2-5	Key data	I	0
55	TEST	(Connecting to ground)	-	0
56	VDD	+5V power supply	-	4.8
57	VDD1	Ground through capacitor terminal	-	3.2
58	VDD2	Ground through capacitor terminal	-	1.6
56	Vss	Ground	-	0
60	OSC	CR oscillator terminal	-	3.8
61	DO	LCD data	0	4.8
62	CE	LCD driver chip enable	I	0
63	CL	Clock for LCD	I	0
64	DI	LCD data	I	0

7.3. CD Servo Block

IC201 : MN662748RPMF

Pin No.	Port	Description	I/O	(V)
1	BCLK	Not used	-	-
2	LRCK	Not used	-	-
3	SRDATA	Not used	-	-
4	DVDD	+5V digital power supply	-	5.0
5	DVSS1	Digital ground	-	0
6	TX	Not used	-	-
7	MCLK	MPU command clock	I	0
8	MDATA	MPU command data	I	0
9	MLD	MPU command load	I	0
10	SENSE	Sense signal	O	0
11	/FLOCK	Focus servo lock	O	0
12	/TLOCK	Tracking servo lock	O	4.9
13	BLKCK	Not used	-	-
14	SQCK	Q code external clock	I	4.9
15	SUBQ	Q code output	O	2.5
16	DMUTE	DSP mute	I	0
17	STAT	DSP Status output	O	3.1
18	/RST	Reset input	I	4.9
19,20		Not used	-	-
21	TRV	Forced traverse output	O	2.5
22	TVD	Traverse drive output	O	2.5
23	PC	Spindle motor control	O	0
24	ECM	Spindle motor drive	O	2.5
25	ECS	Spindle motor drive	O	2.5
26	KICK	Kick pulse output	O	2.5
27	TRD	Tracking motor drive	O	2.5
28	FOD	Focus motor drive	O	2.5
29	VREF	D/A reference voltage	I	2.5
30	FBAL	Focus balance adjust	O	2.5
31	TBAL	Tracking balance adjust	O	2.5
32	FE	Focus error signal	I	2.5
33	TE	Tracking error signal	I	2.5
34	RFENV	RF envelope signal	I	2.5
35	VDET	Vibration detection	I	0
36	OFTR	Off track signal	I	0
37	TRCRS	Track cross signal	I	2.1
38	/RFDET	RF detection signal	I	0
39	BDO	Drop out signal	I	0
40	LDON	Laser on/off control	O	4.5
41	PLL2	Not used	-	-
42	TOFS	TE offset	O	2.5
43	WVEL	Not used	-	-
44	ARE	RF signal	I	1.7
45	IREF	Reference current input	I	1.6
46	DRF	DSL bias	I	0
47	DSL	DSL loop filter	I/O	2.4
48	PLL	PLL loop filter	I/O	1.8
49	VCOF	Not used	-	-
50	AVDD2	+5V analog power supply	-	5.0
51	AFSS2	Analog ground	-	0
52	EFM	Not used	-	-
53	PCK/DSL	DSL bias	I	2.4
54	VCOF2	Tracking offset	O	2.5
55	SUBC	Not used	-	-
56	SBCK	(Connecting to ground)	-	-
57	VSS	Ground	-	0
58	X1	Crystal oscillator	I	1.7
59	X2	Crystal oscillator	O	2.3
60	VDD	+5V power supply	-	5.0
61,62	-	Not used	-	-
63	FCLK	Not used	-	-

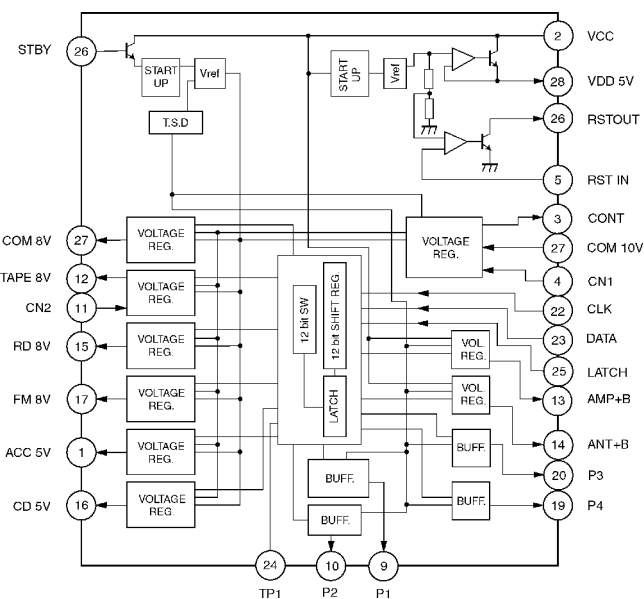
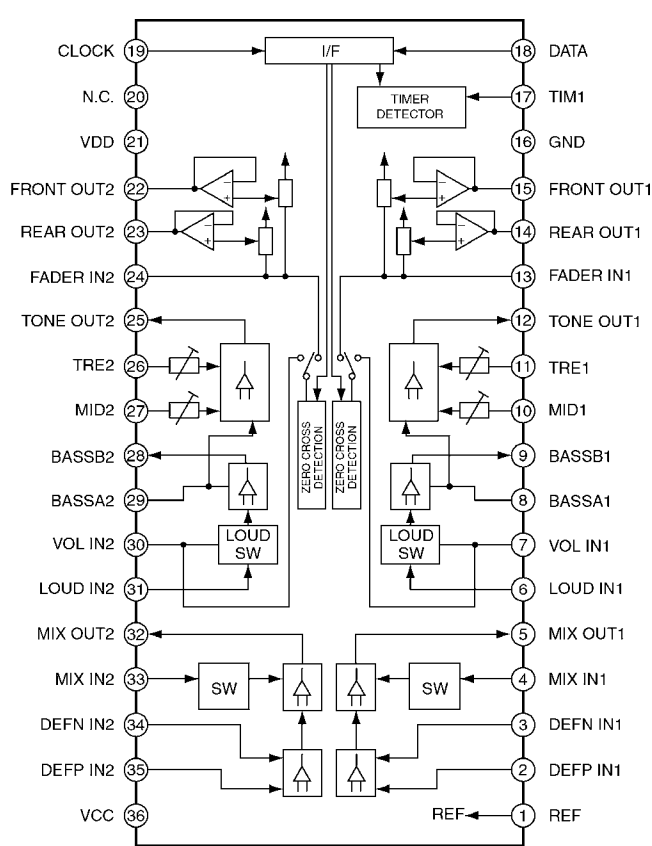
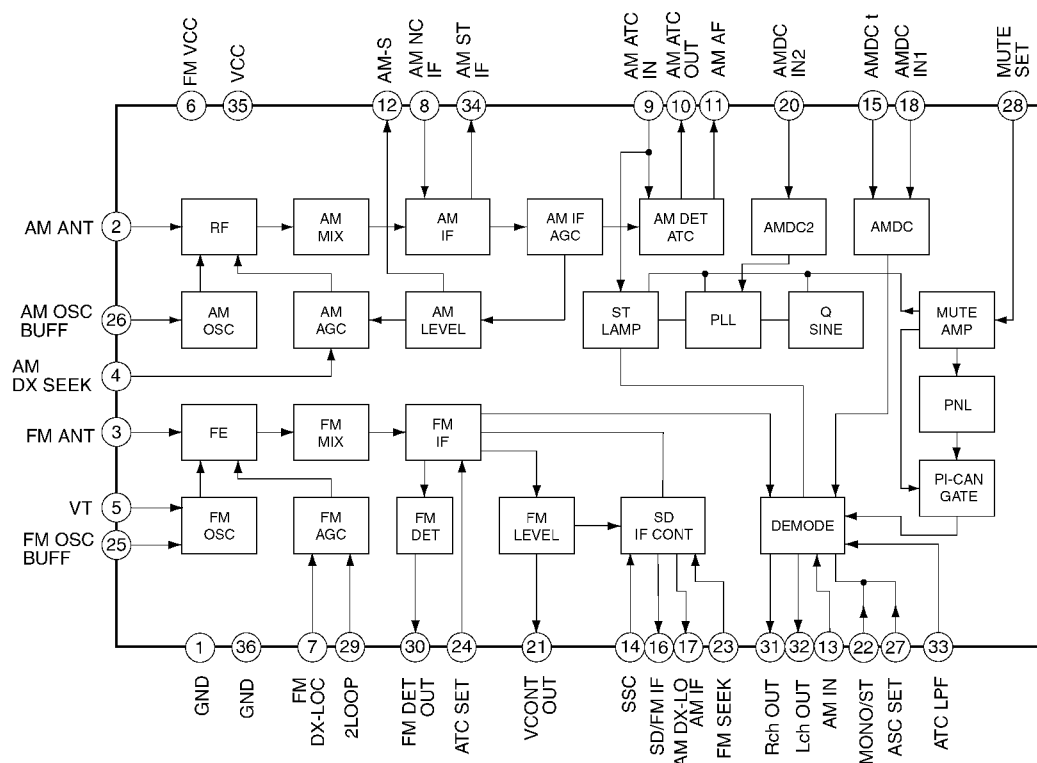
64	IPFLAG	Not used	-	-
65	FLAG	Not used	-	-
66-69	-	Not used	-	-
70	IOSEL	(Connecting to ground)	I	0
71	/TEST	(Connecting to ground)	I	0
72	AVDD1	+5V analog power supply	-	4.9
73	OUTL	Audio Lch output	O	4.9
74	AVSS1	Analog ground	-	0
75	OUTR	Audio Rch output	O	4.9
76	RSEL	(Connecting to ground)	-	0
77	CSEL	(Connecting to ground)	-	0
78	PSEL	(Connecting to ground)	-	0
79	MSEL	(Connecting to ground)	-	0
80	SSEL	mode select	I	5.0

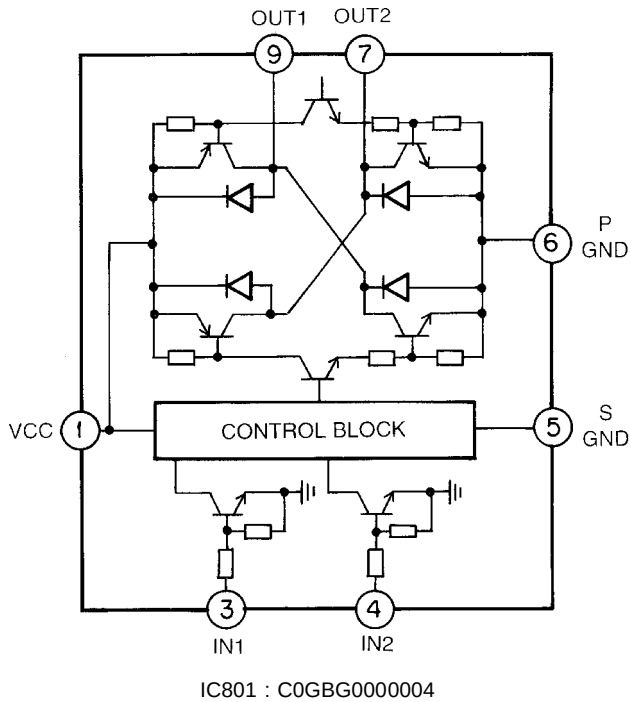
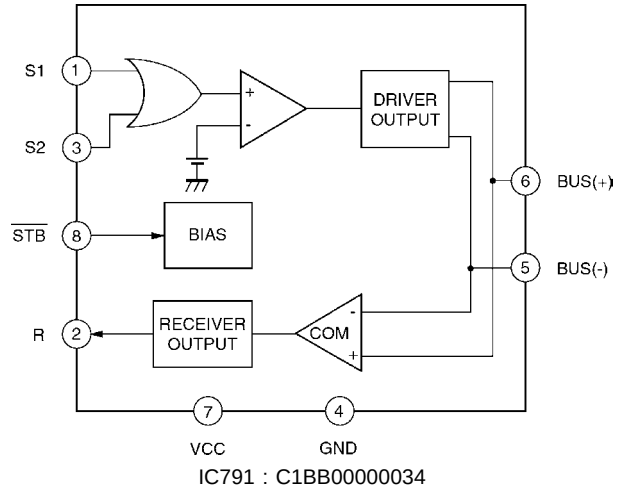
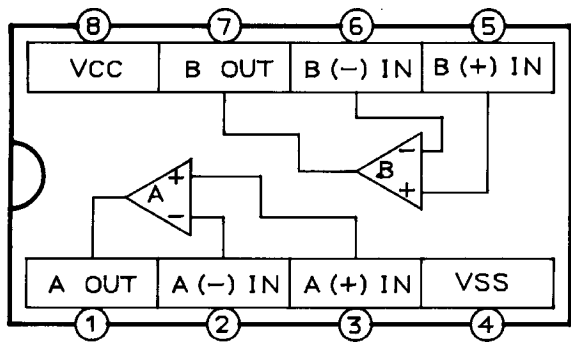
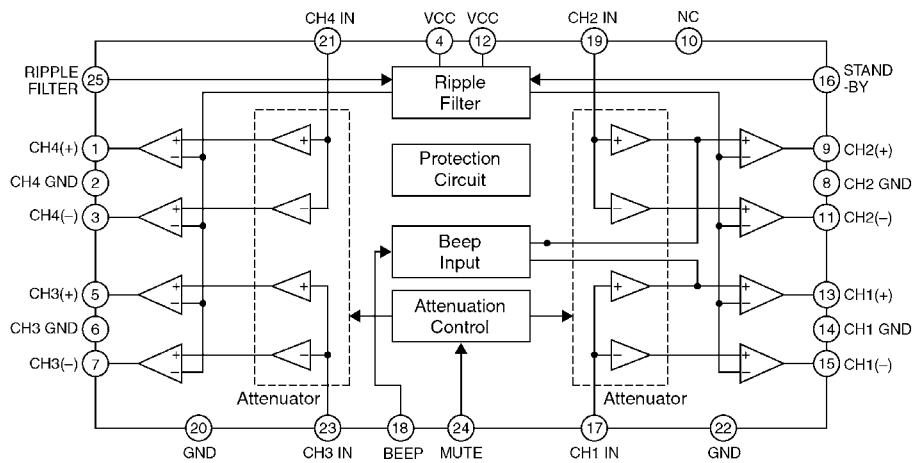
IC401 : MN101C117AG

Pin No.	Port	Description	I/O	(V)
1	MASHON	Servo IC OSC control	O	5.0
2	P82	No connection	-	-
3	P81	No connection	-	-
4	P80	(Connection to ground)	-	0
5	Q1	Photo sensor signal (DISC IN)	I	4.5
6	Q3	Photo sensor signal (DISC OUT)	I	4.2
7	Q6	Photo sensor signal (Option)	I	5.0
8	SW4	Clamp SW signal	I	0
9	SW5	Inner SW signal	I	5.0
10	SW2	Feeder arm SW	I	5.0
11	PA6	(Connection to ground)	-	0
12	PA7/IFR	(Connecting to ground)	I	0
13	VDD	+5V power supply	-	5.0
14	OSC2	Crystal oscillator	-	5.0
15	OSC1	Crystal oscillator	-	3.3
16	VSS	Ground	-	0
17	NC	No connection	-	-
18	SOMI	CD control data	O	3.2
19	SIMO	CD control data	I	3.8
20	SCLM	Data shift clock	I	5.0
21	P06	Not used	-	-
22	BD0	Drop out signal	I	0
23	PC1	Loading motor driver control	O	5.0
24	PS2	Focus/Tracking driver control	O	0
25	VDET	Vibration detecting signal	I	0
26	P14	No connection	-	-
27	CDON	CD on signal	I	5.0
28	IRQ1.SENSE	(Connecting to ground)	-	0
29	IRQ2	(Connecting to ground)	-	0
30	LOD	Loading motor control	-	2.6
31	TRV	Traverse motor control	-	2.5
32	/PRST	Servo IC reset	O	5.0
33	STAT	Status signal	I	4.0
34	DMUTE	DSP mute	O	0
35	SUBQ	Sub code Q data	I	2.6
36	SQCK	Sub code Q clock	O	5.0
37	/TLOCK	Tracking servo lock	I	0
38	/FLOCK	Focus servo lock	I	0
39	NRST	reset input	I	5.0
40	MMOD	(Connecting to ground)	-	0
41	SENSE	Sense signal	I	0
42	MLD	Command load	O	5.0
43	MDATA	Command data	O	0.9
44	MCLK	Command clock	O	4.6

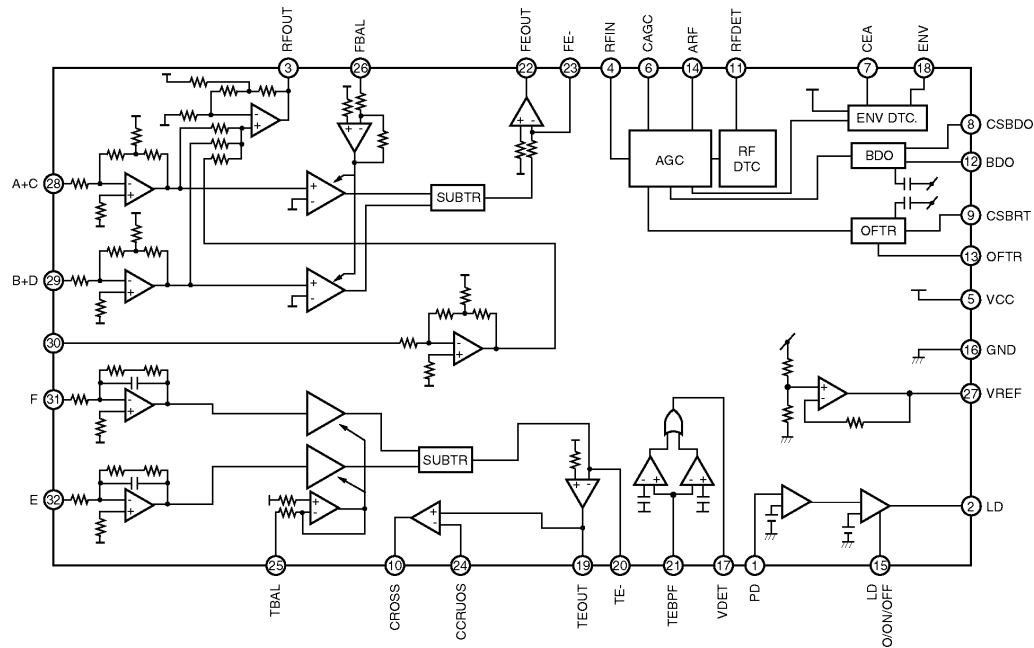
8 PACKAGE AND IC BLOCK DIAGRAM

8.1. Main Block

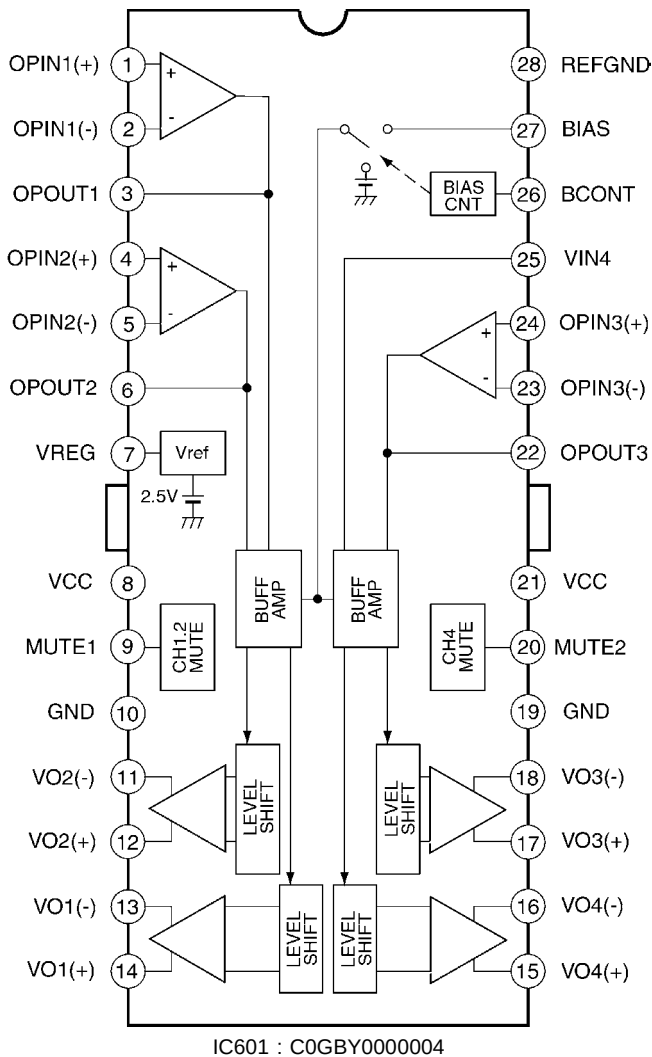




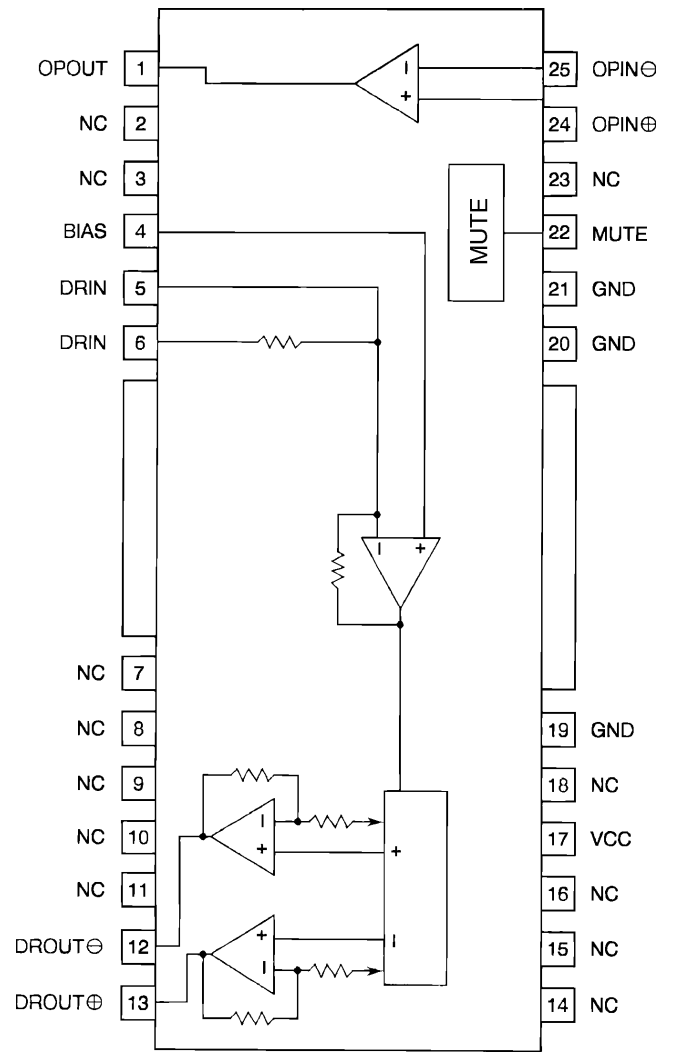
8.2. CD Servo Block



IC101 : C1BB00000173



IC601 : C0GBY00000004



IC901 : C0GBY00000003

9 ALIGNMENT INSTRUCTIONS

9.1. Alignment Conditions

- Power Supply Voltage : DC13.2V
- Output Impedance : 4Ω
- Output Power : 0.5W
- Balance, Fader Control : center
- Bass, Treble Control : Center

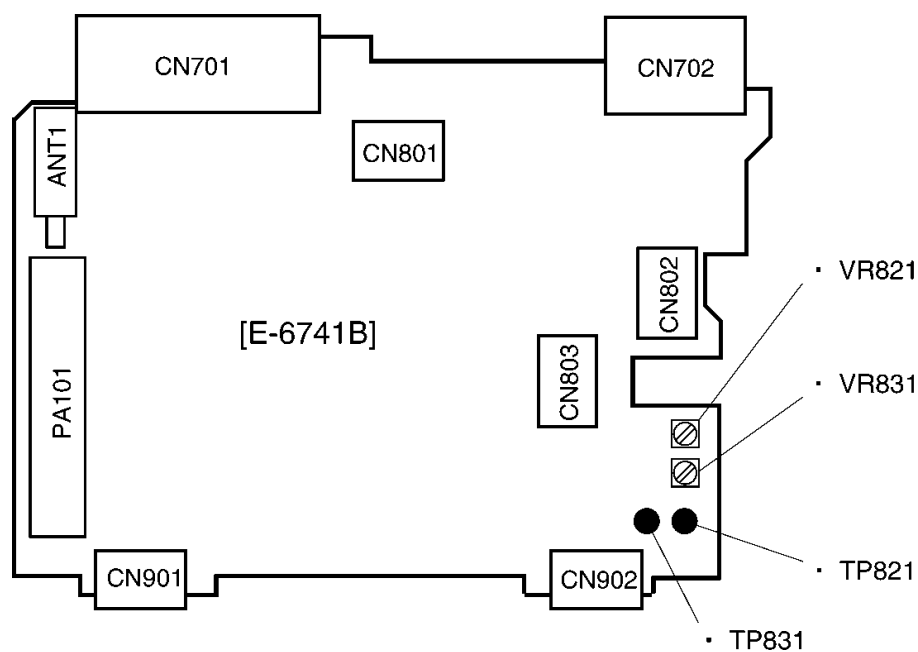
Notes:

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

9.2. Dolby NR Alignment

Step	Alignment Item	Test Tape	VTVM Connection	Adjust	Remarks
(1)	DOLBY NR Rch	RFKZ0038	TP821	VR821	Adjust for 388mV ± 0.5 dB
(2)	DOLBY NR Lch	RFKZ0038	TP831	VR831	Adjust for 388mV ± 0.5 dB

9.3. Alignment Points



10 REPLACEMENT 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.
5. "MCC" marks in remarks column are indicated supply parts of Matsushita Communication Industrial Corp. of America (MCC).
6. "A" or "B" marks in remarks column are indicated as follows :

• A : CQ-JT1010X

• B : CQ-JS6910X

Ref. No.	Part No.	Part Name & Description	Remarks
[E6741B] Main Block			
IC's and TRANSISTORS			
IC201	C1BB00000284	IC	
IC202	YEAMPC4570E1	IC	
IC231	AN7550NZ	IC	
IC601	C2BBGF000090	IC	
IC701	C0DBZHZ00005	IC	
IC702	AN7805	IC	
IC791	C1BB00000034	IC	
IC801	C0GBG0000004	IC	
IC851	C1BB00000100	IC	
PA101	YMP0PTA514B0	Electronic Tuner	MCC
Q271	B1GDCFNN0003	Transistor	
Q451	B1CBGF000001	Transistor	
Q651	2SB14460HA	Transistor	
Q731	B1BCDG000005	Transistor	
Q761	B1GDCFNN0003	Transistor	
Q762	B1GBCFNN0005	Transistor	
Q764	B1BBCF000009	Transistor	
Q767	B1BBCF000009	Transistor	
Q771	2SD10300HL	Transistor	
Q772	2SB14400HL	Transistor	
Q773	2SD10300HL	Transistor	
Q774	2SB14400HL	Transistor	
Q851	B1GBCFJN0005	Transistor	
DIODES			
D201	B0BC3R900008	Diode	
D271	B0ACCE000001	Diode	
D272	MA151WKT	Diode	
D273	B0ACCE000001	Diode	
D686	MA151WATX	Diode	
D700	B0JCPE000004	Diode	
D701	B0EANN000003	Diode	
D751	B0BC4R600003	Diode	
D752	B0BC4R600003	Diode	

Ref. No.	Part No.	Part Name & Description	Remarks
D753	B0BC4R600003	Diode	
D754	B0ECKL000001	Diode	
D755	B0ECKL000001	Diode	
D761	B0BC5R000004	Diode	
D771	B0BC8R100002	Diode	
D772	B0BC8R100002	Diode	
D791	B0BC5R600004	Diode	
D792	B0BC5R600004	Diode	
D821	B0ACCE000001	Diode	
D831	B0ACCE000001	Diode	
D871	MA151WATX	Diode	
R235	B0BC01000003	Diode	
CAPACITORS			
C50	F1J1H120A025	Ceramic, 12PF 50WV	
C51	F1J1H102A509	Ceramic, 1000PF 50WV	
C56	F1J1H102A509	Ceramic, 1000PF 50WV	
C57	F1J1H102A509	Ceramic, 1000PF 50WV	
C100	ECA1CM100I	Electrolytic, 10 μ F 16WV	
C101	F1J1H103A509	Ceramic, 0.01 μ F 50WV	
C105	YECUS1C224KX	Ceramic, 0.22 μ F 16WV	
C106	F1J1H103A509	Ceramic, 0.01 μ F 50WV	
C107	F1J1E223A002	Ceramic, 0.022 μ F 25WV	
C108	EEUFC1A221B	Electrolytic, 220 μ F 10WV	
C109	F1J1E223A002	Ceramic, 0.022 μ F 25WV	
C121	F1J1E223A002	Ceramic, 0.022 μ F 25WV	
C122	F1J1H103A509	Ceramic, 0.01 μ F 50WV	
C123	ECA1HM2R2I	Electrolytic, 2.2 μ F 50WV	
C131	F1J1E223A002	Ceramic, 0.022 μ F 25WV	
C132	F1J1H103A509	Ceramic, 0.01 μ F 50WV	
C133	ECA1HM2R2I	Electrolytic, 2.2 μ F 50WV	
C151	F1J1H151A034	Ceramic, 150PF 50WV	
C152	F1J1H471A025	Ceramic, 470PF 50WV	
C153	ECA1CM100B	Electrolytic, 10 μ F 16WV	
C155	F1J1H103A509	Ceramic, 0.01 μ F 50WV	
C156	F1J1E223A002	Ceramic, 0.022 μ F 25WV	
C157	EEUFC1A221B	Electrolytic, 220 μ F 10WV	
C201	F1J1H103A509	Ceramic, 0.01 μ F 50WV	
C202	ECA0JM331B	Electrolytic, 330 μ F 6.3WV	
C203	ECA1HM010B	Electrolytic, 1 μ F 50WV	
C204	ECA1HM010B	Electrolytic, 1 μ F 50WV	
C205	YECUS1A105KX	Ceramic, 1 μ F 10WV	
C206	F1J1H102A509	Ceramic, 1000PF 50WV	
C208	F1J1C6830001	Ceramic, 0.068 μ F 16WV	
C209	F1J1C6830001	Ceramic, 0.068 μ F 16WV	
C210	F1J1H103A509	Ceramic, 0.01 μ F 50WV	
C211	YECUS1A105KX	Ceramic, 1 μ F 10WV	
C214	F1J1E4730003	Ceramic, 0.047 μ F 25WV	
C216	F1J1E333A002	Ceramic, 0.033 μ F 25WV	
C217	ECA1HMR33B	Electrolytic, 0.33 μ F 50WV	
C218	F1J1E4730003	Ceramic, 0.047 μ F 25WV	
C231	YECUV1C224KX	Ceramic, 0.22 μ F 16WV	
C232	YECUV1C224KX	Ceramic, 0.22 μ F 16WV	
C233	YECUV1C224KX	Ceramic, 0.22 μ F 16WV	
C234	YECUV1C224KX	Ceramic, 0.22 μ F 16WV	
C235	ECA1CM330B	Electrolytic, 33 μ F 16WV	
C271	ECA1HM010B	Electrolytic, 1 μ F 50WV	
C281	F1J1H221A025	Ceramic, 220PF 50WV	
C282	F1J1H221A025	Ceramic, 220PF 50WV	
C301	F1J1H103A509	Ceramic, 0.01 μ F 50WV	
C302	ECA1CM470B	Electrolytic, 47 μ F 16WV	
C303	ECA1HM010B	Electrolytic, 1 μ F 50WV	
C304	ECA1HM010B	Electrolytic, 1 μ F 50WV	
C305	YECUS1A105KX	Ceramic, 1 μ F 10WV	
C306	F1J1H102A509	Ceramic, 1000PF 50WV	
C308	F1J1C6830001	Ceramic, 0.068 μ F 16WV	
C309	F1J1C6830001	Ceramic, 0.068 μ F 16WV	
C310	F1J1H103A509	Ceramic, 0.01 μ F 50WV	
C311	YECUS1A105KX	Ceramic, 1 μ F 10WV	
C314	F1J1H103A509	Ceramic, 0.01 μ F 50WV	
C315	ECA1CM470B	Electrolytic, 47 μ F 16WV	
C316	F1J1E333A002	Ceramic, 0.033 μ F 25WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C317	ECA1HMR33B	Electrolytic, 0.33μF 50WV	
C318	F1J1E4730003	Ceramic, 0.047μF 25WV	
C331	YECUV1C224KX	Ceramic, 0.22μF 16WV	
C332	YECUV1C224KX	Ceramic, 0.22μF 16WV	
C333	YECUV1C224KX	Ceramic, 0.22μF 16WV	
C334	YECUV1C224KX	Ceramic, 0.22μF 16WV	
C381	F1J1H221A025	Ceramic, 220PF 50WV	
C382	F1J1H221A025	Ceramic, 220PF 50WV	
C451	ECA1HM4R7B	Electrolytic, 4.7μF 50WV	
C452	F1J1H103A509	Ceramic, 0.01μF 50WV	
C453	F1J1H103A509	Ceramic, 0.01μF 50WV	
C455	F1J1H102A509	Ceramic, 1000PF 50WV	
C501	F1J1C104A005	Ceramic, 0.1μF 16WV	
C502	F1J1C104A005	Ceramic, 0.1μF 16WV	
C503	ECA1AM101B	Electrolytic, 100μF 10WV	
C521	F1J1H122A509	Ceramic, 1200PF 50WV	
C522	F1J1H122A509	Ceramic, 1200PF 50WV	
C523	ECEA1HBD010I	Electrolytic, 1μF 50WV	
C531	F1J1H122A509	Ceramic, 1200PF 50WV	
C532	F1J1H122A509	Ceramic, 1200PF 50WV	
C533	ECEA1HBD010I	Electrolytic, 1μF 50WV	
C601	F1J1H101A034	Ceramic, 100PF 50WV	
C602	F1J1H103A509	Ceramic, 0.01μF 50WV	
C623	F1J1H103A509	Ceramic, 0.01μF 50WV	
C627	F1J1H103A509	Ceramic, 0.01μF 50WV	
C630	ECA1CM100B	Electrolytic, 10μF 16WV	
C631	F1J1H103A509	Ceramic, 0.01μF 50WV	
C633	F1J1H103A509	Ceramic, 0.01μF 50WV	
C634	F1J1H103A509	Ceramic, 0.01μF 50WV	
C635	F1J1H103A509	Ceramic, 0.01μF 50WV	
C636	F1J1H8R0A007	Ceramic, 8PF 50WV	
C637	F1J1H100A007	Ceramic, 10PF 50WV	
C641	F1J1H101A034	Ceramic, 100PF 50WV	
C642	F1J1H101A034	Ceramic, 100PF 50WV	
C643	F1J1H103A509	Ceramic, 0.01μF 50WV	
C644	ECA1CM470B	Electrolytic, 47μF 16WV	
C650	F1J1H103A509	Ceramic, 0.01μF 50WV	
C651	F1J1H103A509	Ceramic, 0.01μF 50WV	
C652	F1J1H103A509	Ceramic, 0.01μF 50WV	
C672	F1J1H101A034	Ceramic, 100PF 50WV	
C673	F1J1H101A034	Ceramic, 100PF 50WV	
C676	F1J1H103A509	Ceramic, 0.01μF 50WV	
C677	F1J1H103A509	Ceramic, 0.01μF 50WV	
C701	ECA1CM102B	Electrolytic, 1000μF 16WV	
C703	ECA1HMR22B	Electrolytic, 0.22μF 50WV	
C704	ECA1HMR22B	Electrolytic, 0.22μF 50WV	
C705	F1J1H103A509	Ceramic, 0.01μF 50WV	
C711	ECA1CM102B	Electrolytic, 1000μF 16WV	
C731	ECA1AM101B	Electrolytic, 100μF 10WV	
C732	ECA1CM102B	Electrolytic, 1000μF 16WV	
C738	YECUS1C224KX	Ceramic, 0.22μF 16WV	
C742	ECA1CM100B	Electrolytic, 10μF 16WV	
C745	ECA1AM101B	Electrolytic, 100μF 10WV	
C746	EEUFC1C222	Electrolytic, 2200μF 16WV	
C746	EEUFC1C222B	Electrolytic, 2200μF 16WV	
C747	ECA1AM101B	Electrolytic, 100μF 10WV	
C752	F1J1H103A509	Ceramic, 0.01μF 50WV	
C761	ECA1HM3R3B	Electrolytic, 3.3μF 50WV	
C762	ECA1HM3R3B	Electrolytic, 3.3μF 50WV	
C771	F1K1C105A026	Ceramic, 1μF 16WV	
C772	F1K1C105A026	Ceramic, 1μF 16WV	
C773	F1K1C105A026	Ceramic, 1μF 16WV	
C774	F1K1C105A026	Ceramic, 1μF 16WV	
C782	F1K2A103A001	Ceramic, 0.01μF 100WV	
C783	F1K2A103A001	Ceramic, 0.01μF 100WV	
C791	F1J1H103A509	Ceramic, 0.01μF 50WV	
C792	F1K1H221A027	Ceramic, 220PF 50WV	
C793	F1K1H221A027	Ceramic, 220PF 50WV	
C804	ECA1CM470B	Electrolytic, 47μF 16WV	
C821	YECUS1A105KX	Ceramic, 1μF 10WV	
C822	F1J1E333A002	Ceramic, 0.033μF 25WV	
C823	F1J1H1230002	Ceramic, 0.012μF 50WV	
C824	F1J1H331A025	Ceramic, 330PF 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C825	F1J1H331A025	Ceramic, 330PF 50WV	
C831	YECUS1A105KX	Ceramic, 1μF 10WV	
C832	F1J1E333A002	Ceramic, 0.033μF 25WV	
C833	F1J1H1230002	Ceramic, 0.012μF 50WV	
C834	F1J1H331A025	Ceramic, 330PF 50WV	
C835	F1J1H331A025	Ceramic, 330PF 50WV	
C851	ECA1CM470B	Electrolytic, 47μF 16WV	
C852	F1J1C104A005	Ceramic, 0.1μF 16WV	
C853	F1J1H222A509	Ceramic, 2200PF 50WV	
C854	F1J1H222A509	Ceramic, 2200PF 50WV	
C855	F1J1C474A006	Ceramic, 0.47μF 16WV	
C856	F1J1E393A002	Ceramic, 0.039μF 25WV	
C857	ECA1CM220B	Electrolytic, 22μF 16WV	
C858	F1J1C104A005	Ceramic, 0.1μF 16WV	
C859	ECA1CM220B	Electrolytic, 22μF 16WV	
C871	ECA1CM101B	Electrolytic, 100μF 16WV	
RESISTORS			
C632	ERJ6GEY0R00	Chip, 0Ω 1/10W	
C659	ERJ6GEY0R00	Chip, 0Ω 1/10W	
R2	ERJ6GEY0R00	Chip, 0Ω 1/10W	
R3	ERJ6GEY0R00	Chip, 0Ω 1/10W	
R50	ERJ6GEY0R00	Chip, 0Ω 1/10W	
R101	ERJ6GEYJ183	Chip, 18kΩ 1/10W	
R103	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R106	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R107	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R121	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R122	ERJ6GEYJ183	Chip, 18kΩ 1/10W	
R125	ERJ6GEY0R00	Chip, 0Ω 1/10W	
R131	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R132	ERJ6GEYJ183	Chip, 18kΩ 1/10W	
R135	ERJ6GEY0R00	Chip, 0Ω 1/10W	
R151	ERJ6GEYJ183	Chip, 18kΩ 1/10W	
R152	ERJ6GEYJ563	Chip, 56kΩ 1/10W	
R153	ERJ6GEYJ563	Chip, 56kΩ 1/10W	
R154	ERJ6GEYJ104	Chip, 100kΩ 1/10W	
R155	ERJ6GEYJ101	Chip, 100Ω 1/10W	
R157	ERJ6GEYJ153	Chip, 15kΩ 1/10W	
R159	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R200	ERJ6GEY0R00	Chip, 0Ω 1/10W	
R201	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R202	ERJ6GEYJ153	Chip, 15kΩ 1/10W	
R203	ERJ6GEYJ331	Chip, 330Ω 1/10W	
R204	ERJ6GEYJ682	Chip, 6.8kΩ 1/10W	
R207	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R208	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R209	ERJ6GEYJ821	Chip, 820Ω 1/10W	
R210	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R211	ERJ6GEYJ562	Chip, 5.6kΩ 1/10W	
R231	ERJ6GEYJ2R2	Chip, 2.2Ω 1/10W	
R232	ERJ6GEYJ2R2	Chip, 2.2Ω 1/10W	
R233	ERJ6GEYJ2R2	Chip, 2.2Ω 1/10W	
R234	ERJ6GEYJ2R2	Chip, 2.2Ω 1/10W	
R271	ERJ6GEYJ223	Chip, 22kΩ 1/10W	
R281	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R282	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R283	ERJ6GEYJ104	Chip, 100kΩ 1/10W	
R284	ERJ6GEYJ104	Chip, 100kΩ 1/10W	
R302	ERJ6GEYJ153	Chip, 15kΩ 1/10W	
R303	ERJ6GEYJ331	Chip, 330Ω 1/10W	
R304	ERJ6GEYJ682	Chip, 6.8kΩ 1/10W	
R307	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R308	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R309	ERJ6GEYJ821	Chip, 820Ω 1/10W	
R310	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R311	ERJ6GEYJ562	Chip, 5.6kΩ 1/10W	
R331	ERJ6GEYJ2R2	Chip, 2.2Ω 1/10W	
R332	ERJ6GEYJ2R2	Chip, 2.2Ω 1/10W	
R333	ERJ6GEYJ2R2	Chip, 2.2Ω 1/10W	
R334	ERJ6GEYJ2R2	Chip, 2.2Ω 1/10W	
R381	ERJ6GEYJ473	Chip, 47kΩ 1/10W	

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Ref. No.	Part No.	Part Name & Description	Remarks
Display Block			
[E8629A] (CQ-JT1010X)			
[E8630A] (CQ-JS6910X)			
IC			
IC901	C0HBA0000016	IC	
DIODES			
D902	MAZ805600L	Diode	
D908	MAZ805600L	Diode	
D911-932	B3ACB0000039	Diode	A
D911-932	B3ABB0000021	Diode	B
D951-976	B3ACB0000039	Diode	A
D951-976	B3ABB0000021	Diode	B
D977-980	B3ABB0000021	Diode	B
CAPACITORS			
C905	F1J1C104A005	Ceramic, 0.1 μ F 16WV	
C906	F1J1E4730003	Ceramic, 0.047 μ F 25WV	
C907	F1J1E4730003	Ceramic, 0.047 μ F 25WV	
C908	F1J1H821A034	Ceramic, 820PF 50WV	
C909	F1J1H103A509	Ceramic, 0.01 μ F 50WV	
C910	F1J1H103A509	Ceramic, 0.01 μ F 50WV	
RESISTORS			
R903	ERJ6GEYJ683	Chip, 68k Ω 1/10W	
R911	ERJ6GEYJ331	Chip, 330 Ω 1/10W	
R912	ERJ6GEYJ271	Chip, 270 Ω 1/10W	
R913	ERJ6GEYJ271	Chip, 270 Ω 1/10W	
R914	ERJ6GEYJ271	Chip, 270 Ω 1/10W	
R915	ERJ6GEYJ471	Chip, 470 Ω 1/10W	
R916	ERJ6GEYJ271	Chip, 270 Ω 1/10W	
R917	ERJ6GEYJ271	Chip, 270 Ω 1/10W	
R918	ERJ6GEYJ271	Chip, 270 Ω 1/10W	
R919	ERJ6GEYJ271	Chip, 270 Ω 1/10W	
R930	ERJ6GEYJ331	Chip, 330 Ω 1/10W	
R931	ERJ6GEYJ271	Chip, 270 Ω 1/10W	
R951	ERJ6GEYJ681	Chip, 680 Ω 1/10W	
R952	ERJ6GEYJ681	Chip, 680 Ω 1/10W	
R953	ERJ6GEYJ681	Chip, 680 Ω 1/10W	
R954	ERJ6GEYJ681	Chip, 680 Ω 1/10W	
R955	ERJ6GEYJ681	Chip, 680 Ω 1/10W	
R956	ERJ6GEYJ681	Chip, 680 Ω 1/10W	
R957	ERJ6GEYJ681	Chip, 680 Ω 1/10W	
R958	ERJ6GEYJ681	Chip, 680 Ω 1/10W	
R959	ERJ6GEYJ681	Chip, 680 Ω 1/10W	
R970	ERJ6GEYJ681	Chip, 680 Ω 1/10W	
R971	ERJ6GEYJ681	Chip, 680 Ω 1/10W	
R972	ERJ6GEYJ681	Chip, 680 Ω 1/10W	
R973	ERJ6GEYJ681	Chip, 680 Ω 1/10W	
CONNECTORS			
CP901	K1KB08A00041	Connector, 8P	
CP902	K1KB08A00041	Connector, 8P	
SWITCHES			
SW901	K0F111A00150	Switch	
SW902	K0F111A00150	Switch	
SW903	K0F111A00150	Switch	
SW904	K0F111A00150	Switch	
SW905	K0F111A00150	Switch	
SW906	K0F111A00150	Switch	
SW907	K0F111A00150	Switch	
SW908	K0F111A00150	Switch	
SW909	K0F111A00150	Switch	

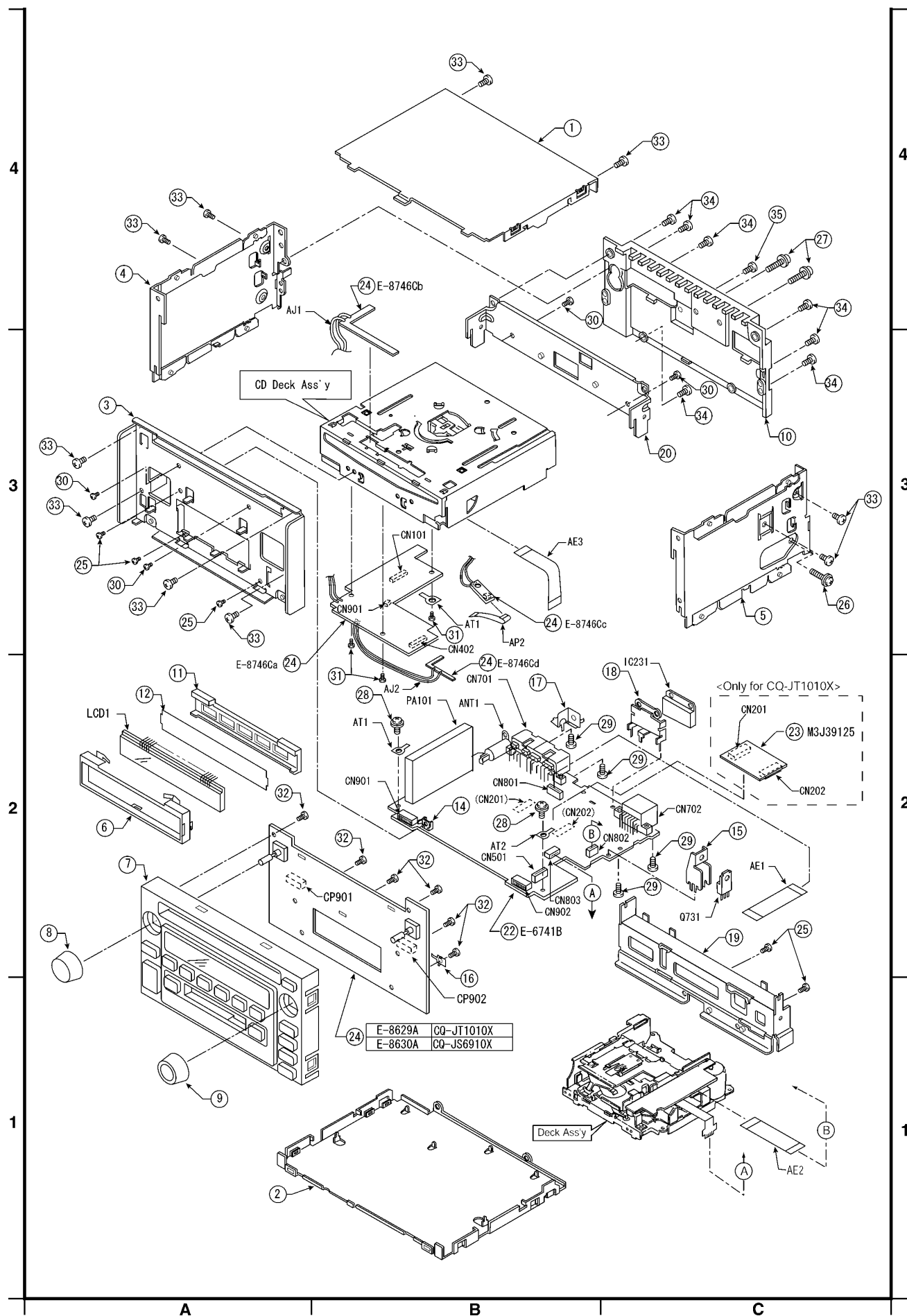
Ref. No.	Part No.	Part Name & Description	Remarks
SW910	K0F111A00150	Switch	
SW911	K0F111A00150	Switch	
SW912	K0F111A00150	Switch	
SW913	K0F111A00150	Switch	
SW914	K0F111A00150	Switch	
SW916	K0F111A00150	Switch	
SW917	K0F111A00150	Switch	
COILS			
L901	G1C101J00002	Coil	
L902	G1C101J00002	Coil	
VARIABLE RESISTORS			
VR901	K0N130C00005	Variabl ^r resistor	
VR902	K0N130C00005	Variabl ^r resistor	
LCD			
LCD1	L5AAALC00007	LCD	A
LCD1	L5AAALC00008	LCD	B
[M3J39125] Display Block <Only for CQ-JT1010X>			
IC's and TRANSISTORS			
IC1	YEAMPC4570E1	IC	
IC3	YEAMPC4570E1	IC	
IC61	YEAMPC4570E1	IC	
IC900	YEAMPC4570E1	IC	
IC901	C1BB00000153	IC	
IC902	C1BB00000153	IC	
CAPACITORS			
C1	F1J1C154A006	Ceramic, 0.15 μ F 16WV	
C2	F1J1C154A006	Ceramic, 0.15 μ F 16WV	
C3	F1J1H682A509	Ceramic, 6800PF 50WV	
C4	F1J1H1230002	Ceramic, 0.012 μ F 50WV	
C5	F1J1C6830001	Ceramic, 0.068 μ F 16WV	
C6	F1J1C154A006	Ceramic, 0.15 μ F 16WV	
C11	F1J1H561A034	Ceramic, 560PF 50WV	
C12	F1J1H103A509	Ceramic, 0.01 μ F 50WV	
C13	F1J1H103A509	Ceramic, 0.01 μ F 50WV	
C14	F1J1H561A034	Ceramic, 560PF 50WV	
C21	F1J1H561A034	Ceramic, 560PF 50WV	
C22	F1J1H1530003	Ceramic, 0.015 μ F 50WV	
C23	F1J1C6830001	Ceramic, 0.068 μ F 16WV	
C24	F1J1C334A006	Ceramic, 0.33 μ F 16WV	
C27	F1J1H823A036	Ceramic, 0.082 μ F 50WV	
C29	F1J1H152A509	Ceramic, 1500PF 50WV	
C31	F1J1H561A034	Ceramic, 560PF 50WV	
C61	F1J1C154A006	Ceramic, 0.15 μ F 16WV	
C62	F1J1C154A006	Ceramic, 0.15 μ F 16WV	
C63	F1J1H682A509	Ceramic, 6800PF 50WV	
C64	F1J1H1230002	Ceramic, 0.012 μ F 50WV	
C68	F1J1C154A006	Ceramic, 0.15 μ F 16WV	
C69	F1J1C6830001	Ceramic, 0.068 μ F 16WV	
C70	F1J1H104A036	Ceramic, 0.1 μ F 50WV	
C71	F1J1H104A036	Ceramic, 0.1 μ F 50WV	
C72	F1J1H104A036	Ceramic, 0.1 μ F 50WV	
C73	F1J1H104A036	Ceramic, 0.1 μ F 50WV	
C75	F1J1C1050016	Ceramic, 1 μ F 16WV	
C76	F1J1C1050016	Ceramic, 1 μ F 16WV	
C77	F1J1C1050016	Ceramic, 1 μ F 16WV	
C78	F1J1C1050016	Ceramic, 1 μ F 16WV	
C81	F1J1H1530003	Ceramic, 0.015 μ F 50WV	
C82	F1J1H1530003	Ceramic, 0.015 μ F 50WV	
C83	F1J1C6830001	Ceramic, 0.068 μ F 16WV	
C84	F1J1C334A006	Ceramic, 0.33 μ F 16WV	
C87	F1J1H823A036	Ceramic, 0.082 μ F 50WV	
C89	F1J1H152A509	Ceramic, 1500PF 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C99	ECST1AX226R	Electrolytic, 22μF 10WV	
C221	F1J1H1530003	Ceramic, 0.015μF 50WV	
RESISTORS			
R2	ERJ6GEYJ333	Chip, 33kΩ 1/10W	
R3	ERJ6GEYJ823	Chip, 82kΩ 1/10W	
R4	ERJ6GEYJ222	Chip, 2.2kΩ 1/10W	
R5	ERJ6GEYJ562	Chip, 5.6kΩ 1/10W	
R10	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R17	ERJ6GEYJ272	Chip, 2.7kΩ 1/10W	
R18	ERJ6GEYJ272	Chip, 2.7kΩ 1/10W	
R22	ERJ6GEYJ104	Chip, 100kΩ 1/10W	
R23	ERJ6GEYJ394	Chip, 390kΩ 1/10W	
R24	ERJ6GEYJ101	Chip, 100Ω 1/10W	
R25	ERJ6GEYJ122	Chip, 1.2kΩ 1/10W	
R26	ERJ6GEYJ272	Chip, 2.7kΩ 1/10W	
R27	ERJ6GEYJ272	Chip, 2.7kΩ 1/10W	
R59	ERJ6GEYJ222	Chip, 2.2kΩ 1/10W	
R60	ERJ6GEYJ222	Chip, 2.2kΩ 1/10W	
R61	ERJ6GEYJ332	Chip, 3.3kΩ 1/10W	
R62	ERJ6GEYJ332	Chip, 3.3kΩ 1/10W	
R63	ERJ6GEYJ823	Chip, 82kΩ 1/10W	
R64	ERJ6GEYJ222	Chip, 2.2kΩ 1/10W	
R65	ERJ6GEYJ562	Chip, 5.6kΩ 1/10W	
R70	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R82	ERJ6GEYJ104	Chip, 100kΩ 1/10W	
R83	ERJ6GEYJ394	Chip, 390kΩ 1/10W	
R84	ERJ6GEYJ101	Chip, 100Ω 1/10W	
R85	ERJ6GEYJ122	Chip, 1.2kΩ 1/10W	
R98	ERJ6GEYJ104	Chip, 100kΩ 1/10W	
R99	ERJ6GEYJ104	Chip, 100kΩ 1/10W	
R622	ERJ6GEYJ333	Chip, 33kΩ 1/10W	
R877	ERJ6GEYJ332	Chip, 3.3kΩ 1/10W	
R889	ERJ6GEYJ332	Chip, 3.3kΩ 1/10W	
CONNECTORS			
CN201	K1MR06A00026	Connector, 6P	
CN202	K1MR05A00017	Connector, 5P	
[E8746C] CD Servo Block			
IC's and TRANSISTORS			
IC101	C1BB00000173	IC	
IC201	MN662748RPMF	IC	
IC401	MN101C117AF	IC	
IC601	C0GBY0000004	IC	
IC901	C0GBY0000003	IC	
Q1	YEADPS1101W	Transistor	
Q3	YEADPS1101W	Transistor	
Q6	YEADPS1101W	Transistor	
Q101	2SB766ATX	Transistor	
Q451	YEANC113ZKTX	Transistor	
DIODES			
D1	YEADAN1102W	Diode	
D3	YEADAN1102W	Diode	
D6	YEADAN1102W	Diode	
D201	YEAD1SS355T1	Diode	
D401	MA151WKTX	Diode	
D601	YEAD1SS355T1	Diode	
CAPACITORS			
C101	YECUZ1C104KX	Ceramic, 0.1μF 16WV	
C102	YECUZ1C104KX	Ceramic, 0.1μF 16WV	
C103	F3H0J107A001	Ceramic, 100μF 6.3WV	
C104	YECUZ1C104KX	Ceramic, 0.1μF 16WV	
C105	ECSH0JY475CR	Tantalum, 4.7μF 6.3WV	
C106	F1H1E273A011	Ceramic, 0.027μF 25WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C107	F1H1H152A201	Ceramic, 0.0015μF 50WV	
C108	YECUZ1H472KX	Ceramic, 0.0047μF 50WV	
C109	YECUZ1H102KX	Ceramic, 0.001μF 50WV	
C110	YECUZ1H102KX	Ceramic, 0.001μF 50WV	
C111	YECUS1A106MA	Tantalum, 10μF 10WV	
C112	YECUZ1C104KX	Ceramic, 0.1μF 16WV	
C113	YECUZ1C104KX	Ceramic, 0.1μF 16WV	
C115	YECUZ1H102KX	Ceramic, 0.001μF 50WV	
C116	YECUZ1H102KX	Ceramic, 0.001μF 50WV	
C117	YECUS1A105KX	Ceramic, 1μF 10WV	
C118	F1H1H681A201	Ceramic, 680PF 50WV	
C119	YECUZ1C104KX	Ceramic, 0.1μF 16WV	
C120	YECUZ1H561KX	Ceramic, 560PF 50WV	
C121	YECUZ1E123KX	Ceramic, 0.012μF 25WV	
C122	YECUZ1C104KX	Ceramic, 0.1μF 16WV	
C133	YECUZ1C104KX	Ceramic, 0.1μF 16WV	
C145	YECUZ1A124KX	Ceramic, 0.12μF 10WV	
C201	YECUZ1E123KX	Ceramic, 0.012μF 25WV	
C203	YECUS1C334KX	Ceramic, 0.33μF 16WV	
C204	YECUZ1C104KX	Ceramic, 0.1μF 16WV	
C205	YECUS1A106MA	Tantalum, 10μF 10WV	
C206	F1H1A4740004	Ceramic, 0.47μF 10WV	
C208	YECUZ1C104KX	Ceramic, 0.1μF 16WV	
C209	YECUZ1C104KX	Ceramic, 0.1μF 16WV	
C210	YECUS1A106MA	Tantalum, 10μF 10WV	
C214	YECUS1C334KX	Ceramic, 0.33μF 16WV	
C451	F1H1A4740004	Ceramic, 0.47μF 50WV	
C453	YECUZ1H103KX	Ceramic, 0.01μF 50WV	
C601	YECUS1C334KX	Ceramic, 0.33μF 16WV	
C602	ECEV1CA470SP	Electrolytic, 47μF 16WV	
C603	YECUZ1C104KX	Ceramic, 0.1μF 16WV	
C605	YECUS1A105KX	Ceramic, 1μF 10WV	
C606	YECUZ1H272KX	Ceramic, 0.0027μF 50WV	
C901	YECUS1C334KX	Ceramic, 0.33μF 16WV	
C903	YECUZ1C333KX	Ceramic, 0.033μF 16WV	
RESISTORS			
J403	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
J423	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R101	ERJ3GEYJ101V	Chip, 100Ω 1/16W	
R102	ERJ14YJ330H	Chip, 33Ω 1/4W	
R103	ERJ3GEYJ683V	Chip, 68kΩ 1/16W	
R104	ERJ3GEYJ683V	Chip, 68kΩ 1/16W	
R105	ERJ3GEYJ333V	Chip, 33kΩ 1/16W	
R106	ERJ3GEYJ184V	Chip, 180kΩ 1/16W	
R107	ERJ3GEYJ184V	Chip, 180kΩ 1/16W	
R108	ERJ3GEYJ823V	Chip, 82kΩ 1/16W	
R109	ERJ3GEYJ334V	Chip, 330kΩ 1/16W	
R110	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R111	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R112	ERJ3GEYJ393V	Chip, 39kΩ 1/16W	
R113	ERJ3GEYJ333V	Chip, 33kΩ 1/16W	
R114	ERJ3GEYJ153V	Chip, 15kΩ 1/16W	
R119	ERJ3GEYJ184V	Chip, 180kΩ 1/16W	
R120	ERJ3GEYJ333V	Chip, 33kΩ 1/16W	
R147	ERJ3GEYJ153V	Chip, 15kΩ 1/16W	
R207	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R208	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R209	ERJ3GEYJ391V	Chip, 390Ω 1/16W	
R210	ERJ3GEYJ334V	Chip, 330kΩ 1/16W	
R211	ERJ3GEYJ124V	Chip, 120kΩ 1/16W	
R213	ERJ3GEYJ470V	Chip, 47Ω 1/16W	
R214	ERJ3GEYJ272V	Chip, 2.7kΩ 1/16W	
R215	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R401	ERJ3GEYJ563V	Chip, 56kΩ 1/16W	
R402	ERJ3GEYJ563V	Chip, 56kΩ 1/16W	
R404	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R411	ERJ3GEYJ334V	Chip, 330kΩ 1/16W	
R454	ERJ6GEYJ271	Chip, 270Ω 1/10W	
R456	ERJ3GEYJ472V	Chip, 4.7kΩ 1/16W	
R461	ERJ3GEYJ823V	Chip, 82kΩ 1/16W	
R463	ERJ3GEYJ823V	Chip, 82kΩ 1/16W	

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11 EXPLODED VIEW (Unit)

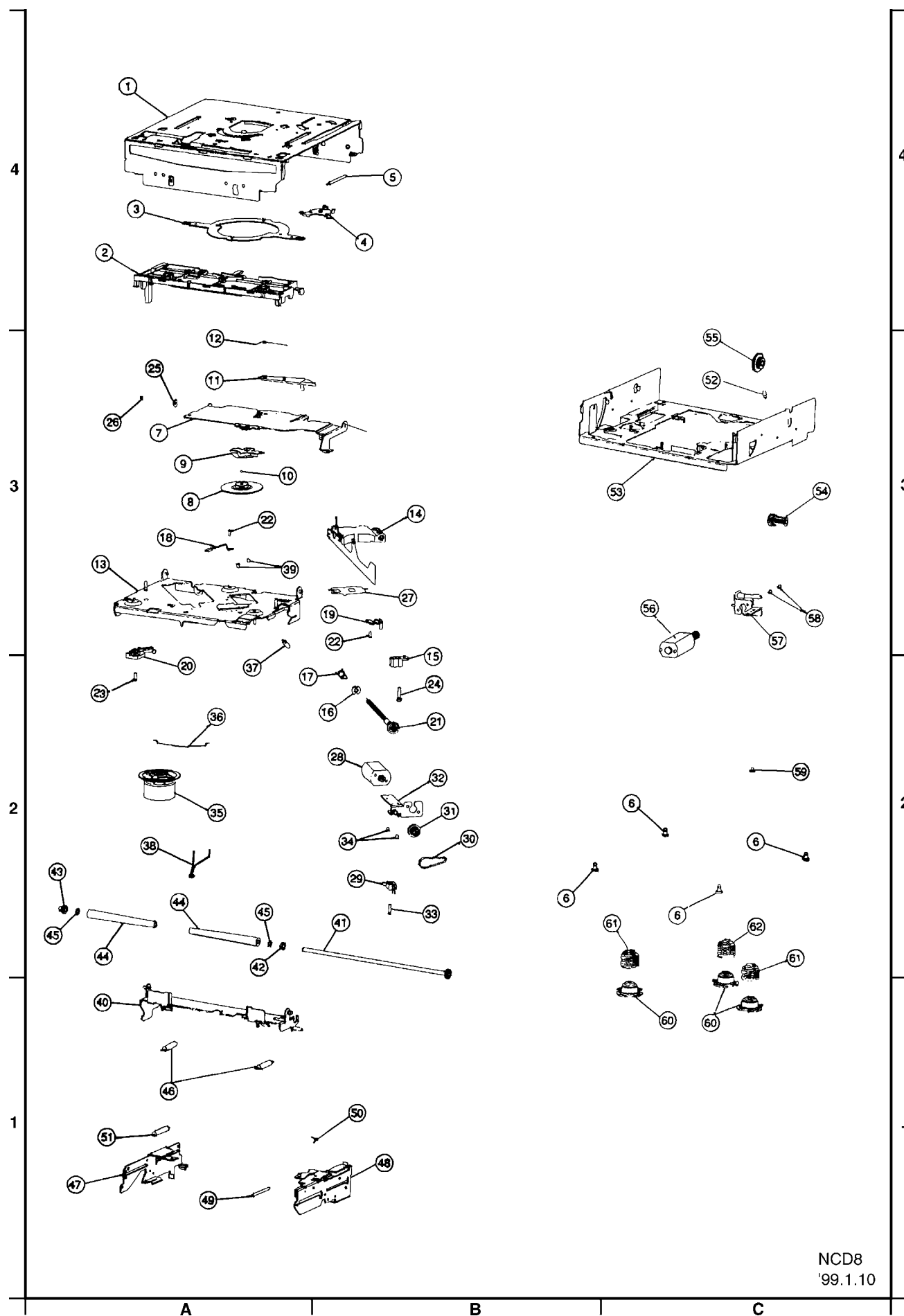


12 CD PLAYER PARTS

MISCELLANEOUS

Ref. No.	Part No.	Part Name & Description	Remarks
1	YGFA011781	Upper Chassis	(4-A)
2	YGFX236153	Disk Guide	(4-A)
3	YGFX0462017	Link Lever	(4-A)
4	YGFX0462018	Detection Lever (2)	(4-B)
5	YGFX0052357	Detection Lever (2) Spring	(4-B)
6	YEJT03131	Tapping Screw, 2.6 mm* 5mm	(2-C) (2-B)
7	YGFX249461	Clamp Arm	(3-A)
8	YGFX007640	Clamper	(3-A)
9	YGFX0052363	Clamper Spring Plate	(3-A)
10	YEFX999957	Ball Bearing	(3-A)
11	YGFX0462013	Detection Lever (1)	(3-A)
12	YGFX0052352	Detection Lever (1) Spring	(3-A)
13	YGFA011795	Suspension Chassis Ass'y	(3-A)
14	YEP0FX3100	Optical Pick-up Ass'y	(3-B)
15	YEFW04150	Feed Screw Housing A	(2-B)
16	YEFW04137A	Feed Screw Housing B	(2-B)
17	YGFX0052386	Thrust Adjusting Spring	(2-B)
18	YEFX236144B	Traverse Guide	(3-A)
19	YGFX9992027	Feed Screw Carrier	(3-B)
20	YEFX9991458A	FPC Holder	(2-A)
21	YGJT03240	Traverse Gear Ass'y	(2-B)
22	YEJS02037	Screw, (Pick-up)	(3-A) (3-B)
23	XYN2+C5FX	Screw, (FPC) 2mm * 5mm	(2-A)
24	XYN2+J10FX	Screw, (Housing) 2mm * 10m	(2-B)
25	YEFX0051590	Spring Washer	(3-A)
26	XUC15V	Retaining Ring, 1.5mm	(3-A)
27	YEFX9991806A	Sealed Plate	(3-B)
28	YGP0FX3503	Traverse Motor Ass'y	(2-B)
29	YEAS23151A	Inner Switch	(2-B)
30	YEFR03080	Rubber Belt	(2-B)
31	YEFX026124A	Idler Pulley	(2-B)
32	YGFX018611	Motor Bracket Ass'y	(2-B)
33	YEJS02018FZ	Screw, (SW)	(2-B)
34	XQN2+A25FX	Screw, 2mm * 25mm	(2-B)
35	YGP0FX3529	Spindle Motor Ass'y	(2-A)
36	YEFX0051991C	Spring (Motor)	(2-A)
37	YGFX0052353	Clamper Spring	(2-A)
38	YGAJ071286	Motor Cable	(2-A)
39	XQN17+A25FX	Screw, 1.7mm * 25mm	(3-A)
40	YGFX0462019	Feeder Arm Ass'y	(1-A)
41	YGP0FX3507	Roller Gear Ass'y	(2-B)
42	YEFW04144	Roller Shaft Collar (1)	(2-A)
43	YEFW04138	Roller Shaft Collar (2)	(2-A)
44	YEFX218282	Rubber Roller	(2-A)
45	YEJW04128	Washer	(2-A)
46	YGFX0052362	Spring (Feeder Arm)	(1-A)
47	YGFX0462015	Suspension Lock Plate (L)	(1-A)
48	YGP0FX3504	Suspension Lock Plate (R) Ass'y	(1-B)
49	YGFX0052355	Spring (Rack Gear)	(1-A)
50	YGFX0052356	Spring (Rack Lock Lever)	(1-B)
51	YGFX0052360	Spring (Suspension Lock Plate L)	(1-A)
52	YGFX0052361	Spring (Lock Plate)	(3-C)
53	YGFA011779	Bottom Chassis Ass'y	(3-C)
54	YGFX003940	Driving Gear (1)	(3-C)
55	YGFX003941	Driving Gear (2)	(3-C)
56	YGP0FX3506	Loding Motor Ass'y	(3-C)
57	YGFX018605	Loding Motor Bracket Ass'y	(3-C)
58	XQN2+A25FX	Screw, (Motor) 2mm * 25mm	(3-C)
59	YEJS06188	Screw	(2-C)
60	YEFS04693	Oil Dumper	(1-C)
61	YGFX0052358	Suspension Spring (A)	(2-C)
62	YGFX0052359	Suspension Spring (B)	(2-C)

13 EXPLODED VIEW (CD Deck)



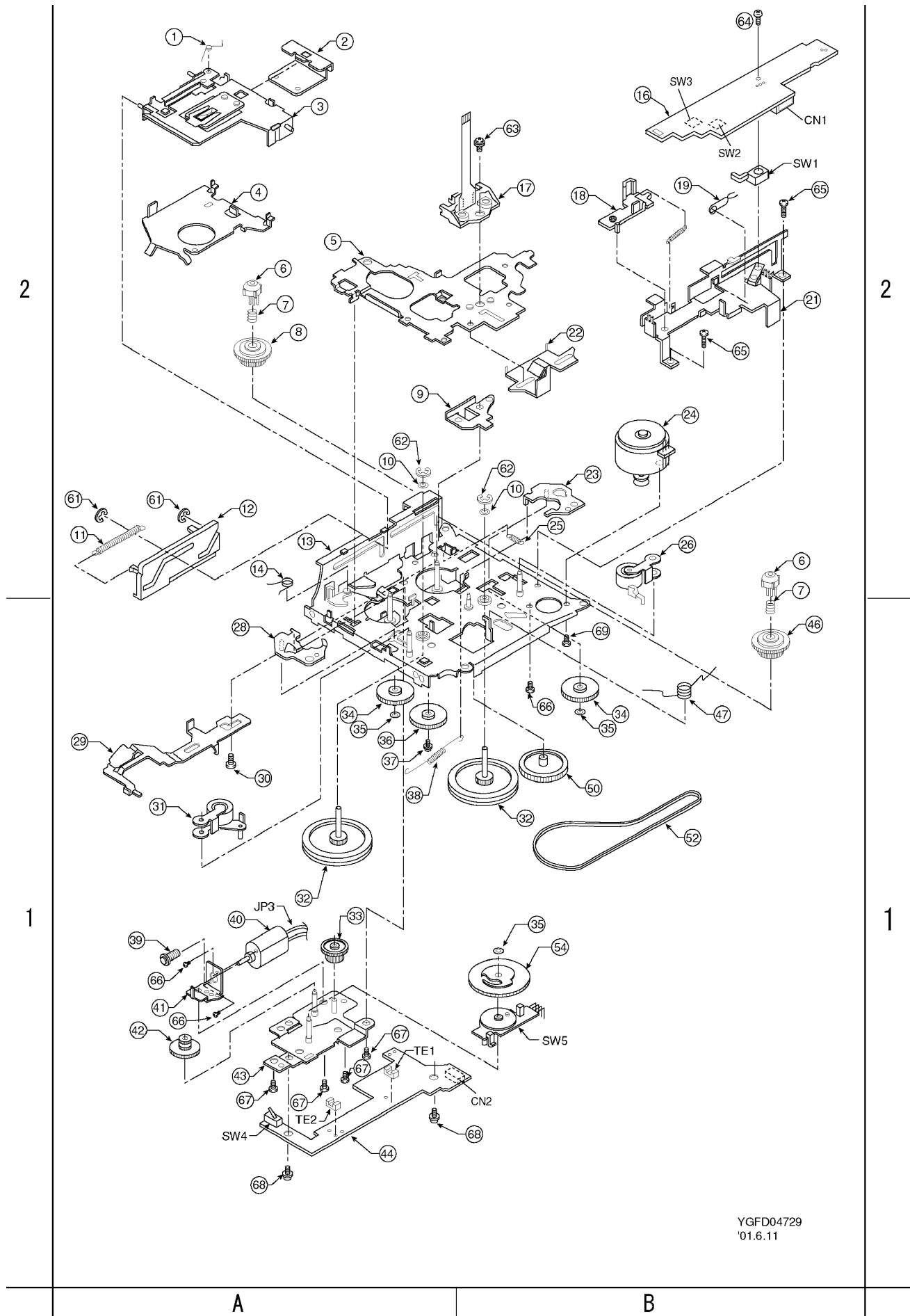
NCD8
'99.1.10

14 TAPE PLAYER PARTS

Ref. No.	Part No.	Part Name & Description	Remarks
[E8927A] Tape Reel Block			
RESISTORS			
J1	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J2	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J3	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J4	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J5	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J6	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J7	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J8	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
R1	ERJ8GEYJ683V	Chip, 68kΩ 1/8W	
R2	ERJ8GEYJ683V	Chip, 68kΩ 1/8W	
R3	ERJ8GEYJ472V	Chip, 4.7kΩ 1/8W	
R4	ERJ8GEYJ472V	Chip, 4.7kΩ 1/8W	
R5	ERJ8GEYJ472V	Chip, 4.7kΩ 1/8W	
R6	ERJ8GEYJ472V	Chip, 4.7kΩ 1/8W	
R7	ERJ8GEYJ821V	Chip, 820Ω 1/8W	
R8	ERJ8GEYJ821V	Chip, 820Ω 1/8W	
CONNECTOR			
CN2	YEA012406	Connector, 10P	
SWITCHES			
SW4	K0F111B00047	Switch	
SW5	K0G131E00001	Rotary Switch	
[E8928] SW Block			
DIODE			
D1	B0EANM000002	Diode	
CAPACITOR			
C1	F1K1E334A022	Ceramic, 0.33μF 25WV	
RESISTOR			
R2	ERDS2TJ472	Carbon, 4.7kΩ 1/4W	
CONNECTOR			
CN1	YEA012405	Connector, 7P	
SWITCHES			
SW2	YEAS07174	Switch	
SW3	YEAS08042	Switch	
Mechanical Parts			
MISCELLANEOUS			
1	YGF0052472	Lock Plate Spring	
2	YGF0052454	Spring	
3	YGF00462100	Cassette Holder (U) Ass'y	
4	YGF00462104	Cassette Holder(L)	
5	YGFA011830	Head Chassis Ass'y	
6	YGF0234194	Cam	
7	YGF0052427	Back Tension Spring	
8	YGF0209271	Reel (R) Ass'y	
9	YGF0052471	Holding Spring	
10	YGJW04131	Washer	
11	YGF0052475	Lack Plate Spring	
12	YGF0031035	Lack Plate	
13	YGFA011827	Main Chassis Ass'y	
14	YGF0052444	EQ Lever Spring	
16	YGP0PT8928A0	SW P.C.B. Ass'y	
17	YGP9FZ2993	Head Ass'y	

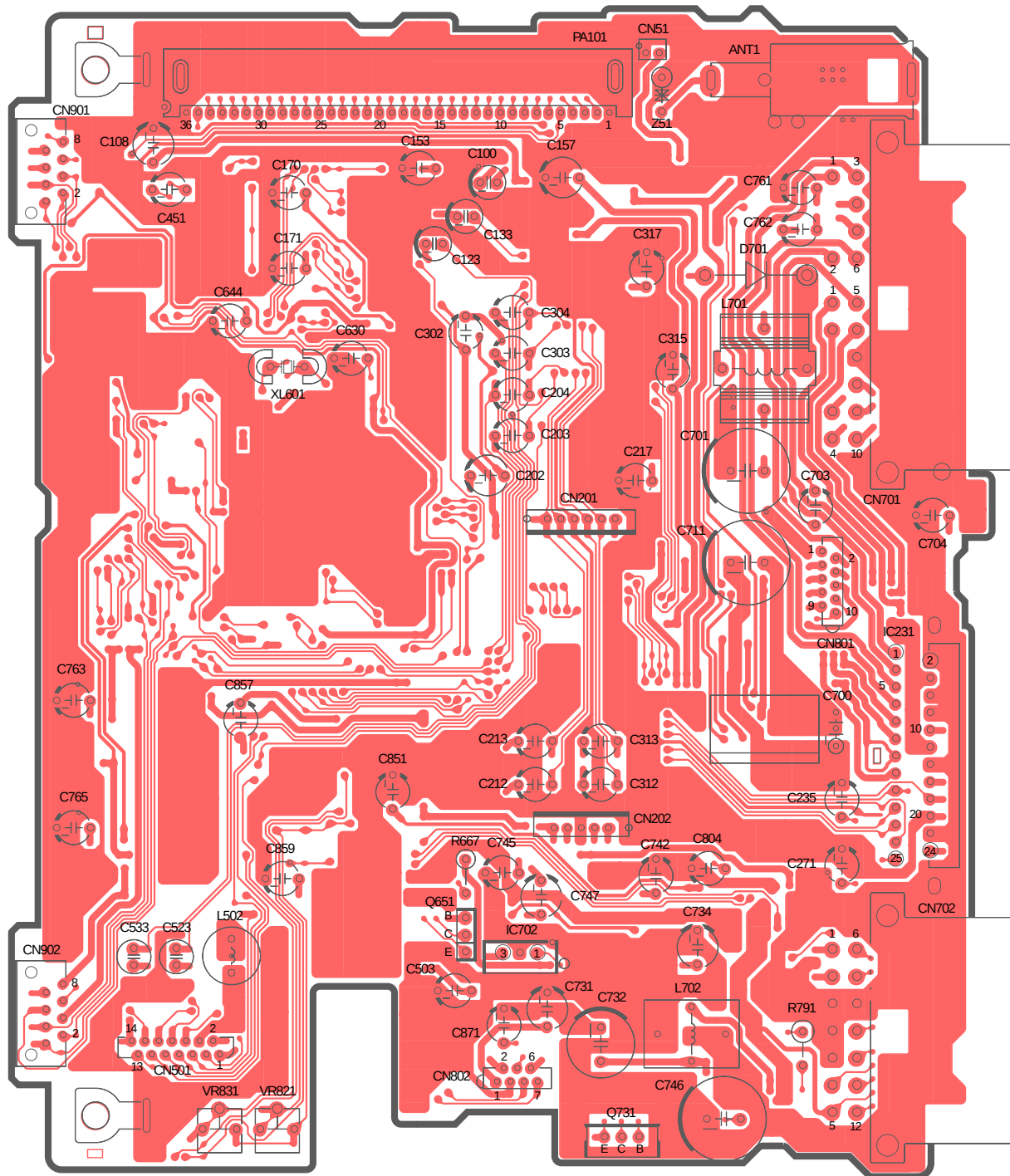
Ref. No.	Part No.	Part Name & Description	Remarks
18	YGF00462105	Lever	
19	YGF0052478	Vibration-proof Spring	
20	YGF0052477	Spring	
21	YGF0239470	Cassette Guid Plate	
22	YGF00462097	PRO Change Plate	
23	YGF0031031	Idler Gear Plate (F) Ass'y	
24	YGP0FX3845	Main Motor Ass'y	
25	YGF0052474	Lack Return Spring	
26	YGF0218305	Pinch Roller (F) Ass'y	
28	YGF0031033	Idler Gear Plate (R) Ass'y	
29	YGF00462102	Lack Return Link	
30	YGF0062600	Lack Return Link Shaft	
31	YGF0218306	Pinch Roller (R) Ass'y	
32	YGF0213213	Flywheel Ass'y	
33	YGF0031001	Drive Gear (2)	
34	YGF0031004A	Lack Return Gear	
35	YGF0014075	Lock Ling	
36	YGF003970	Gear	
37	YGT03250	Gear Shaft	
38	YGF0052446	Idler Gear Plate Spring	
39	YGF0031030	Worm Gear	
40	YGP0FX3846	Loading Motor Ass'y	
41	YGF0030102	Worm Gear Stopper	
42	YGF0031026	Drive Gear (3)	
43	YGFA011851	Drive Chassis Ass'y	
44	YGP0PT8927A0	Reel P.C.B. Ass'y	
46	YGF0209270	Reel (F) Ass'y	
47	YGF0052473	Pinch Roller Spring	
50	YGF003971	PRO Change Gear	
52	YEF03083	Belt	
54	YGF0031029	Drive Gear	
61	YEJE01004	E-Ring	
62	YEJE01036	E-Ring	
63	YGF0062546	Screw	
64	XYN2+C8FX	Screw, 2 x 8mm	
65	YEJT03167	Screw,	
66	YEJS06097A	Screw, 2 x 2.5mm	
67	YGT03271	Screw,	

15 EXPLODED VIEW (Tape Deck)



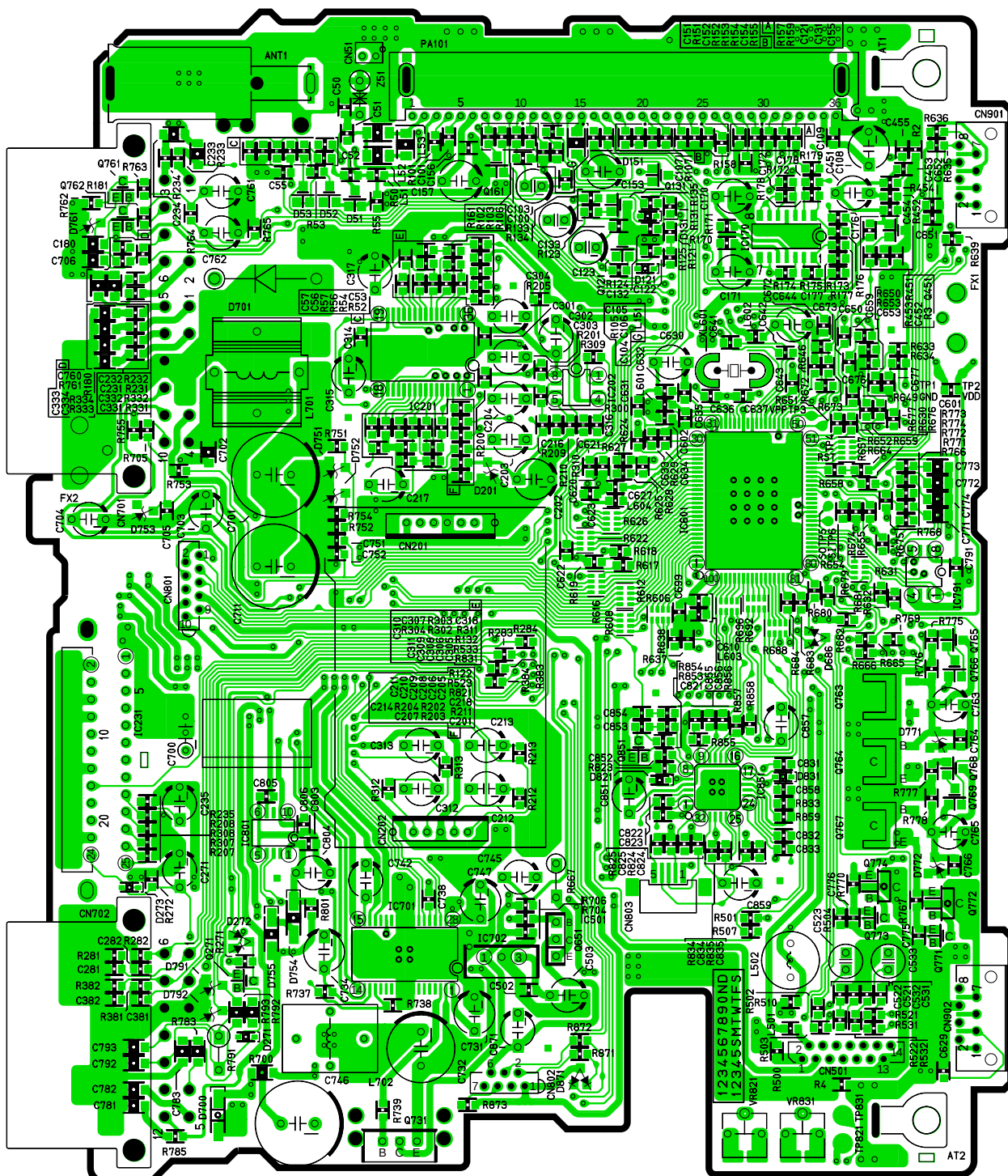
16 WIRING DIAGRAM

16.1. Main Block (Top View)



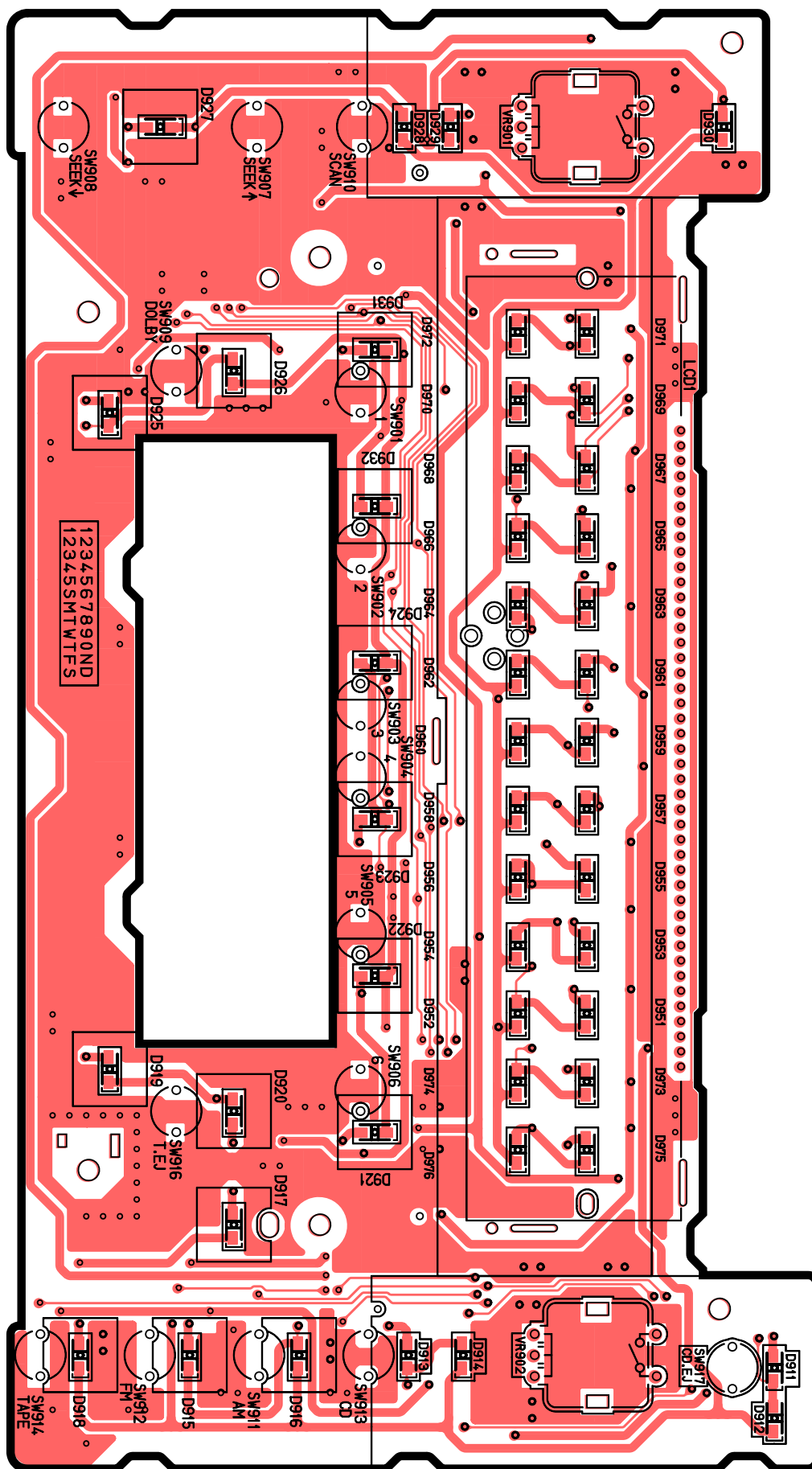
[E-6741B] [Top View]

16.2. Main Block (Bottom View)



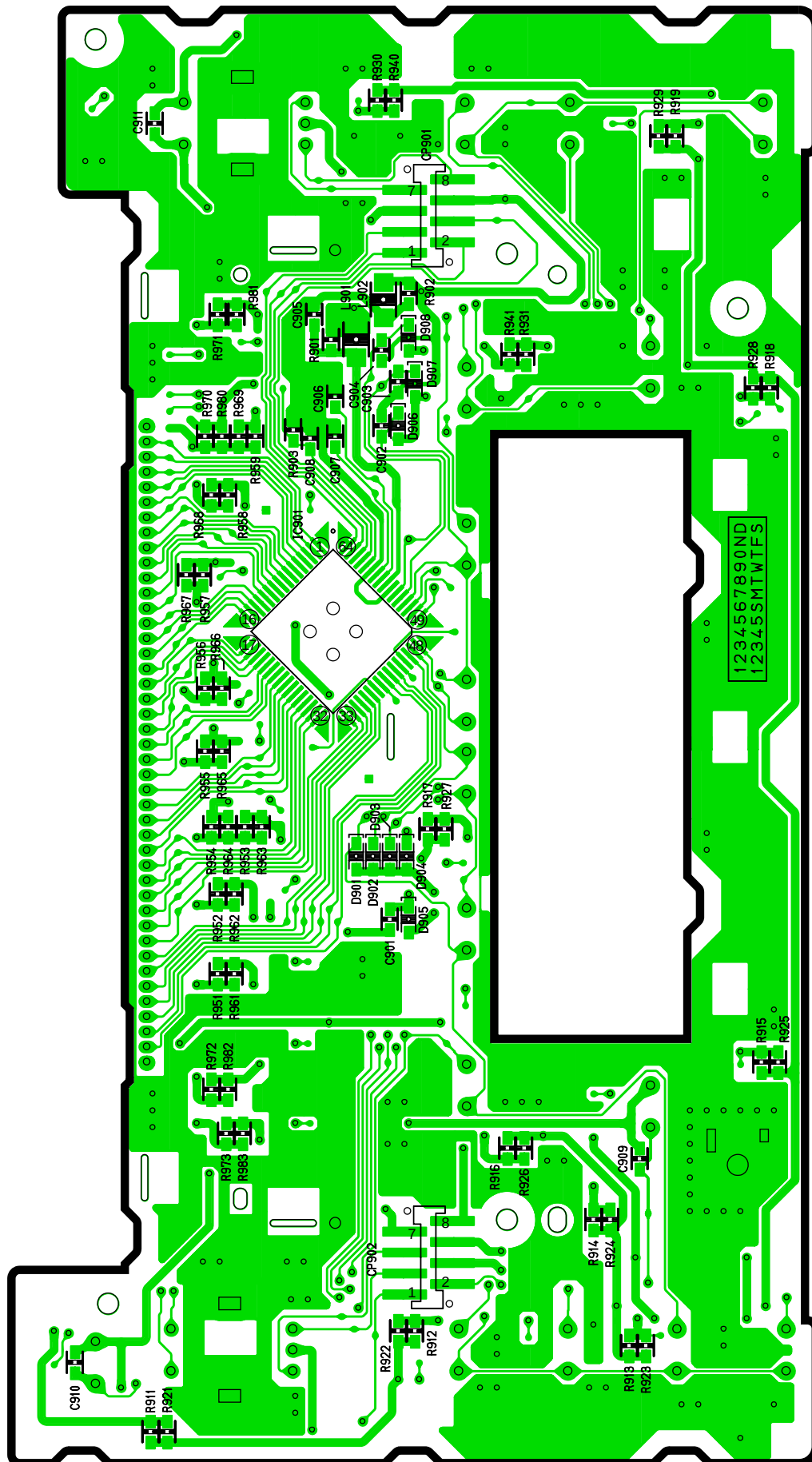
[E-6741B] [Bottom View]

16.3. Display Block (Top View) <CQ-JT1010X>



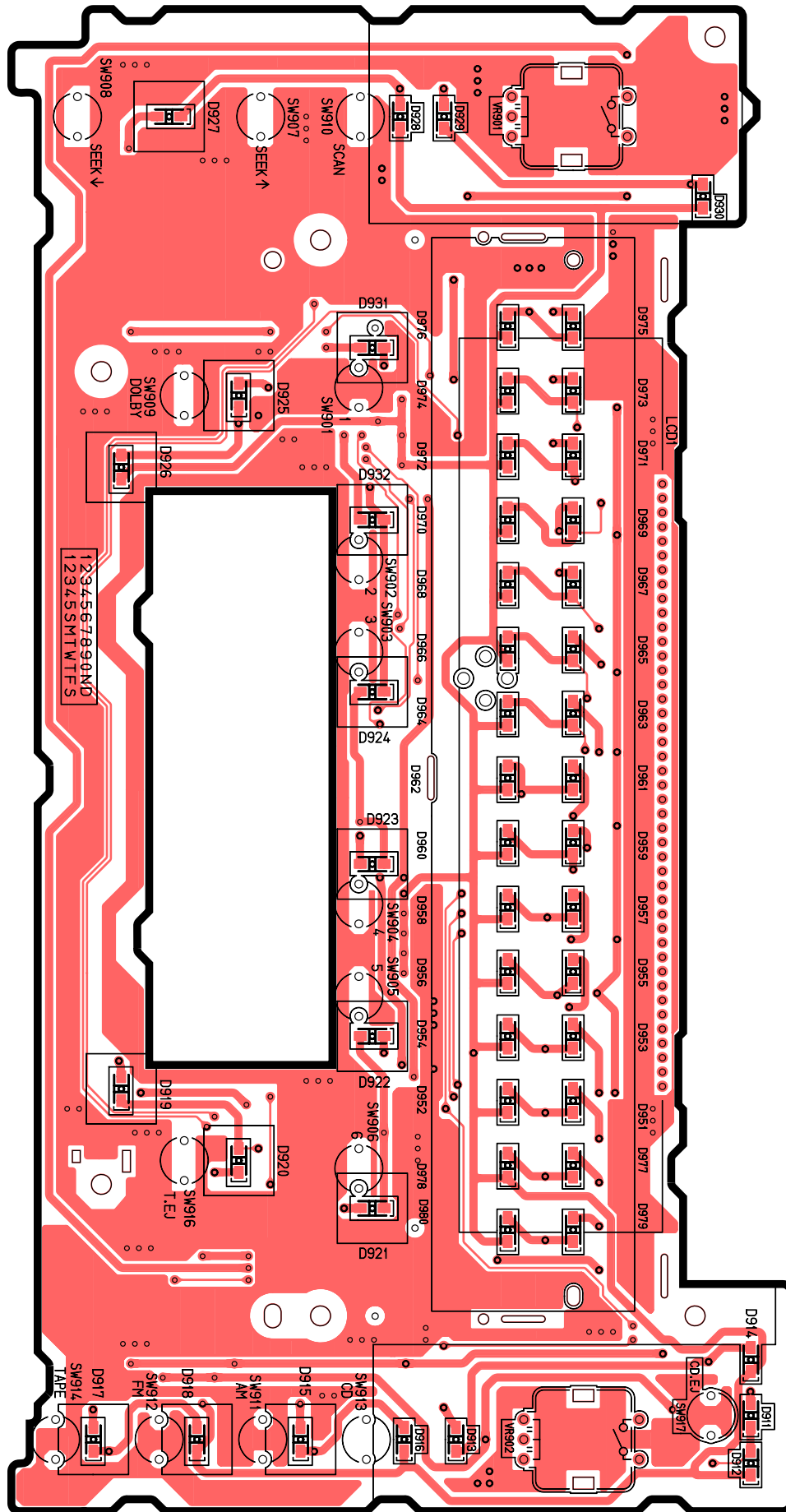
[E-8629A] [Top View]

16.4. Display Block (Bottom View) <CQ-JT1010X>



[E-8629A] [Bottom View]

16.5. Display Block (Top View) <CQ-JS6910X>



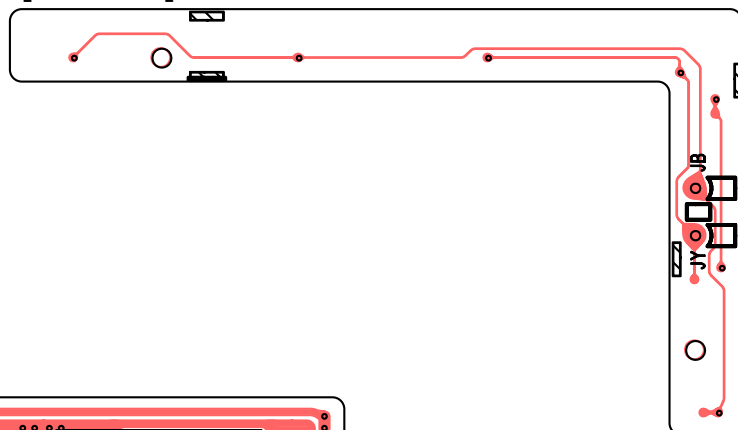
[E-8630Aa][Top View]



16.7. CD Servo Block (Top View)

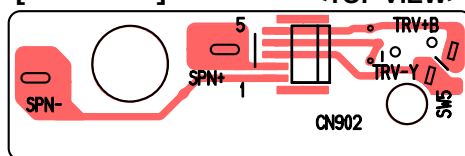
[E-8746Cb]

<TOP VIEW>



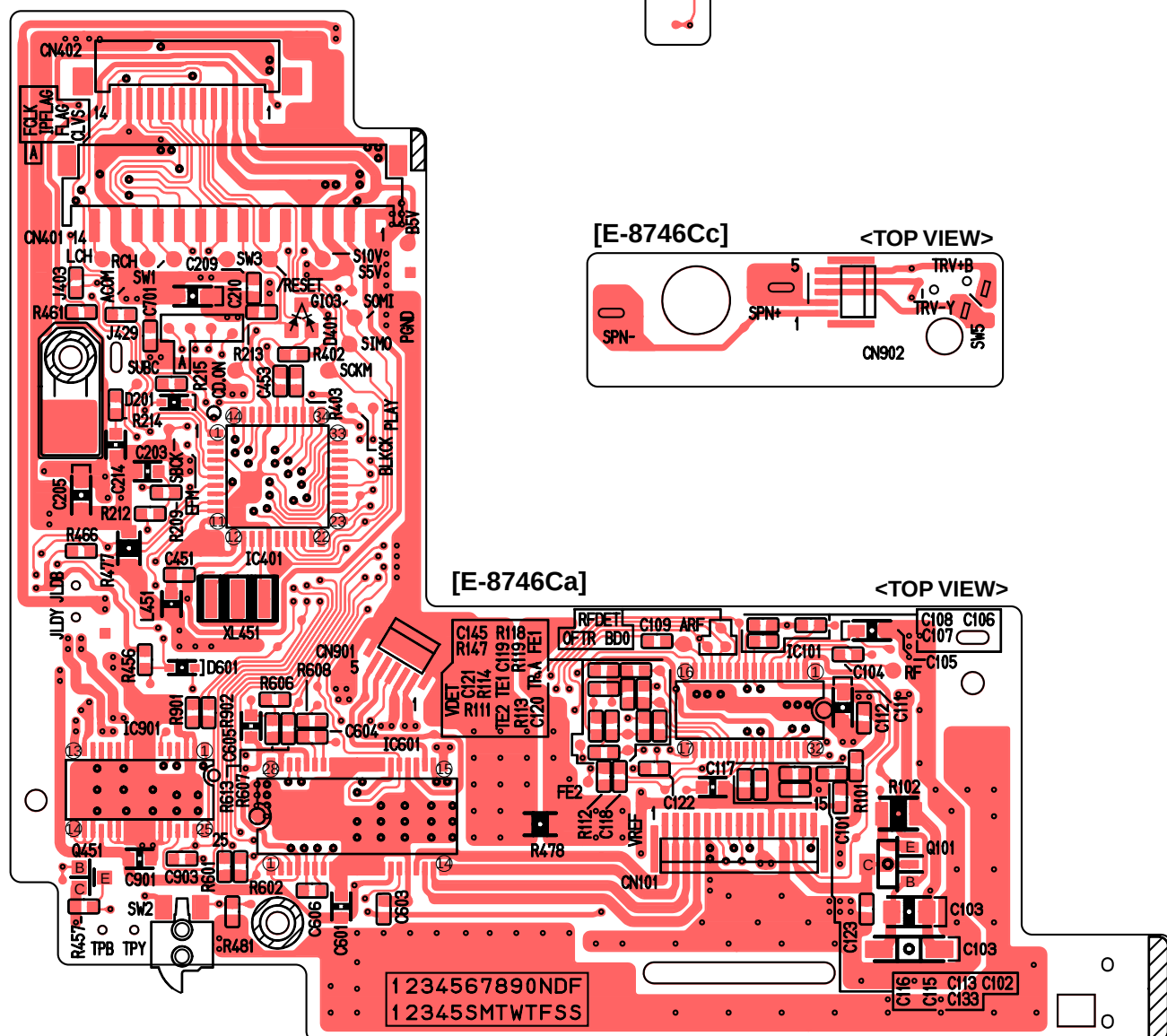
[E-8746Cc]

<TOP VIEW>



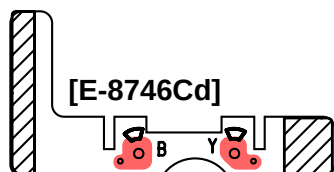
[E-8746Ca]

<TOP VIEW>



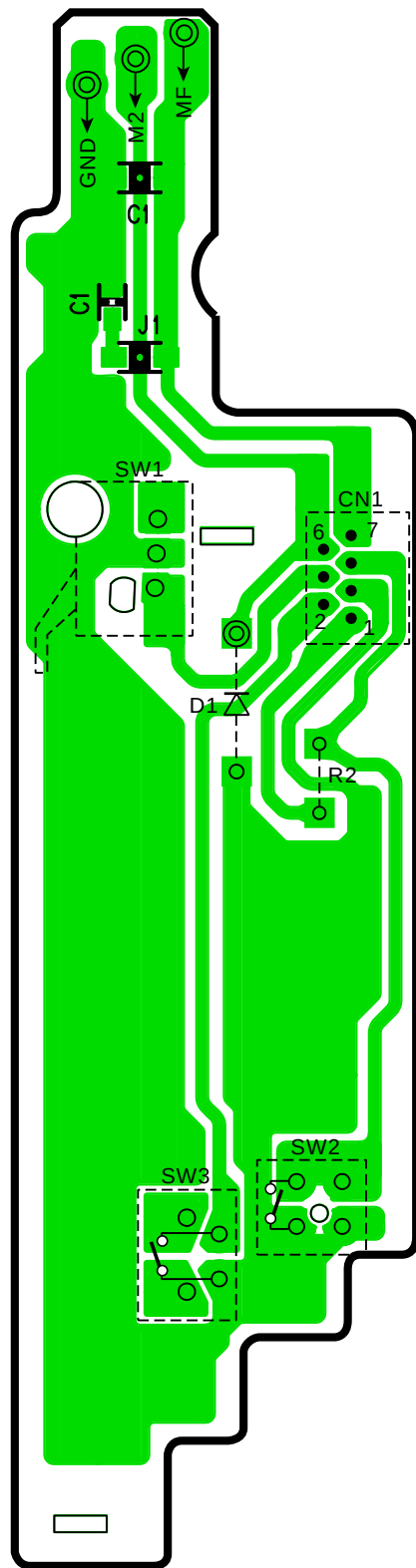
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<TOP VIEW>

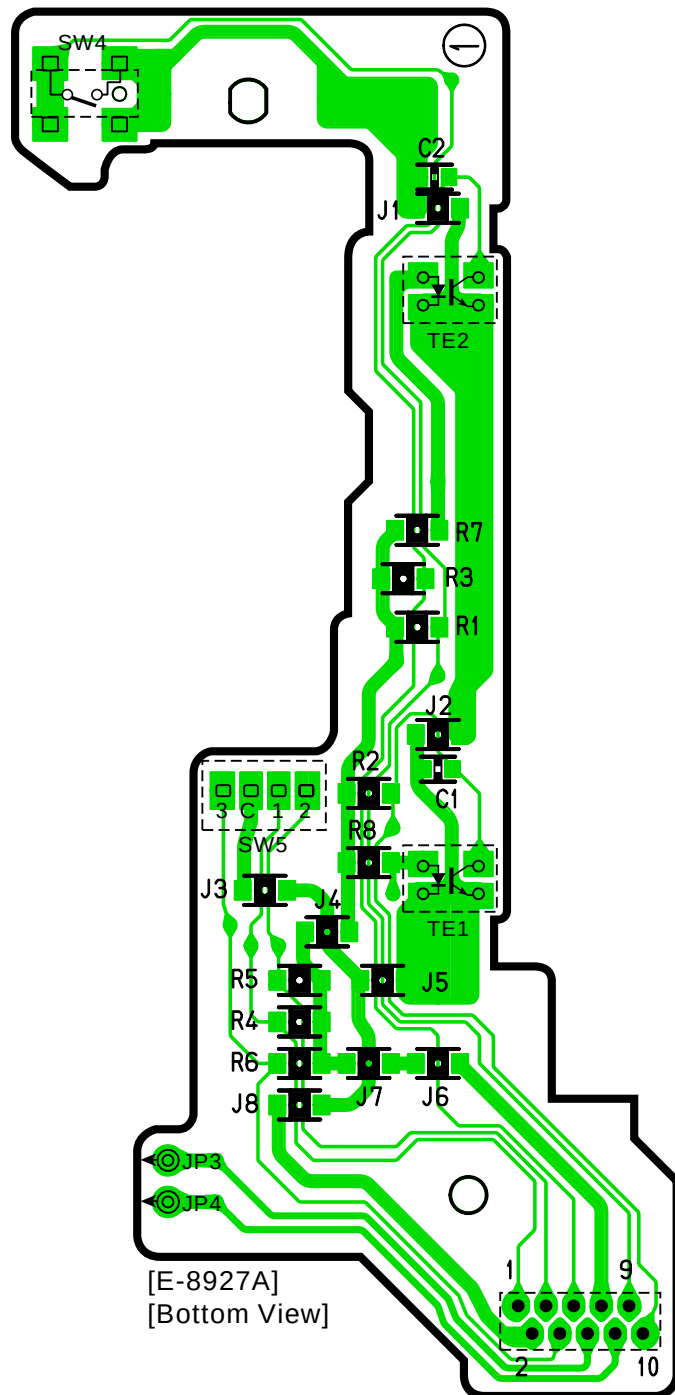




16.9. Tape Block



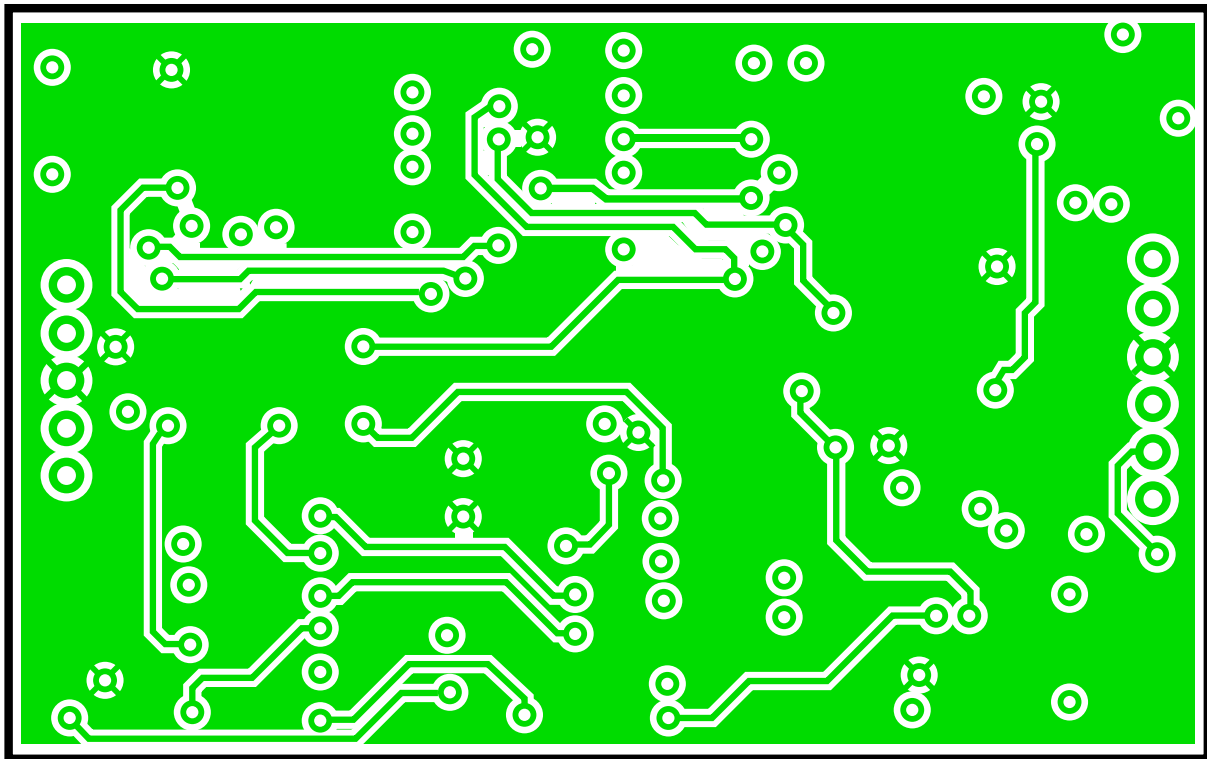
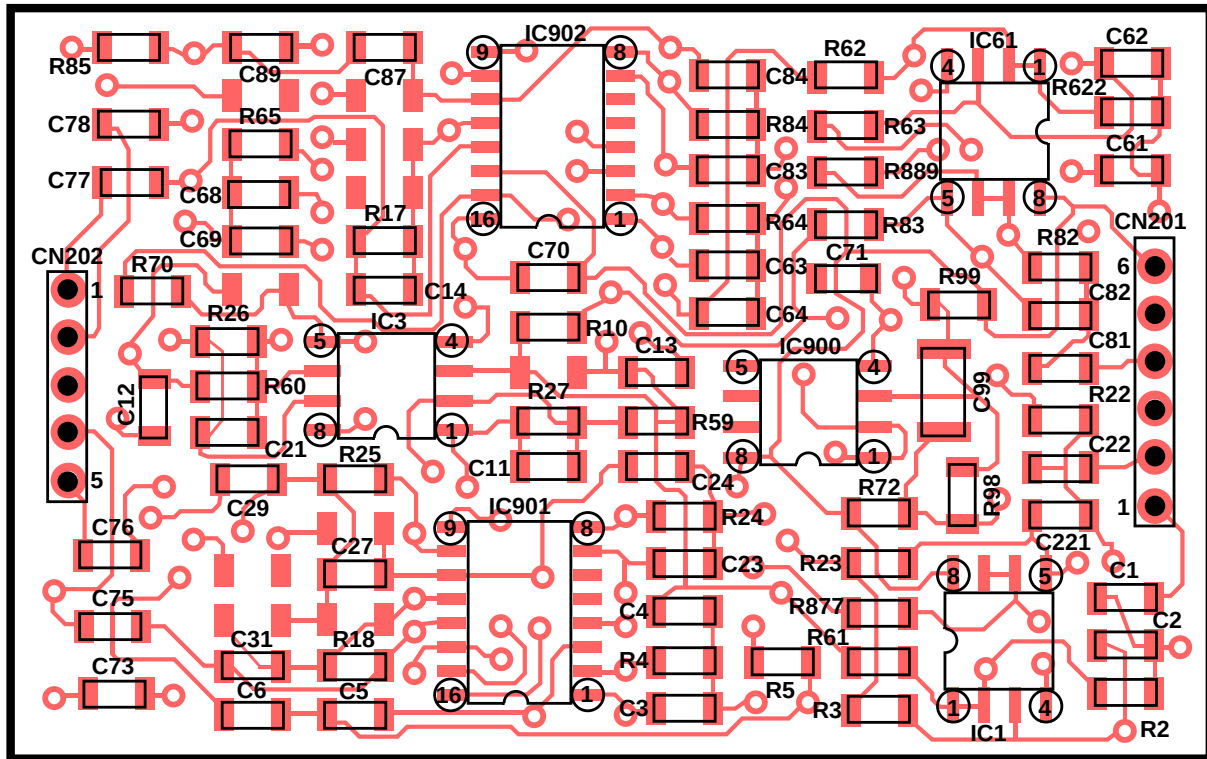
[E-8928]
[Bottom View]



[E-8927A]
[Bottom View]

16.10. Fix-EQ. Block

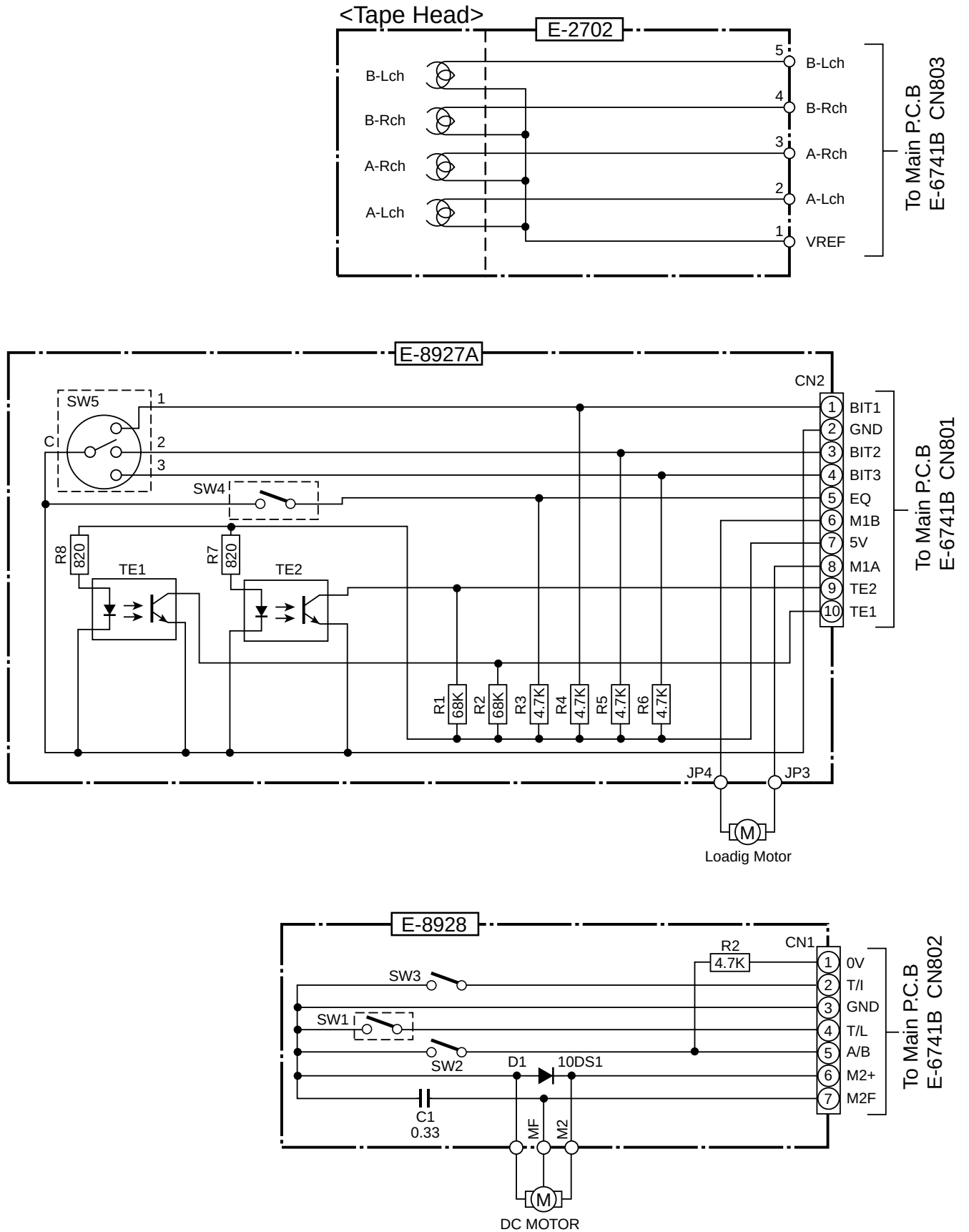
[M3J439125] [Top View]



[M3J439125] [Bottom View]



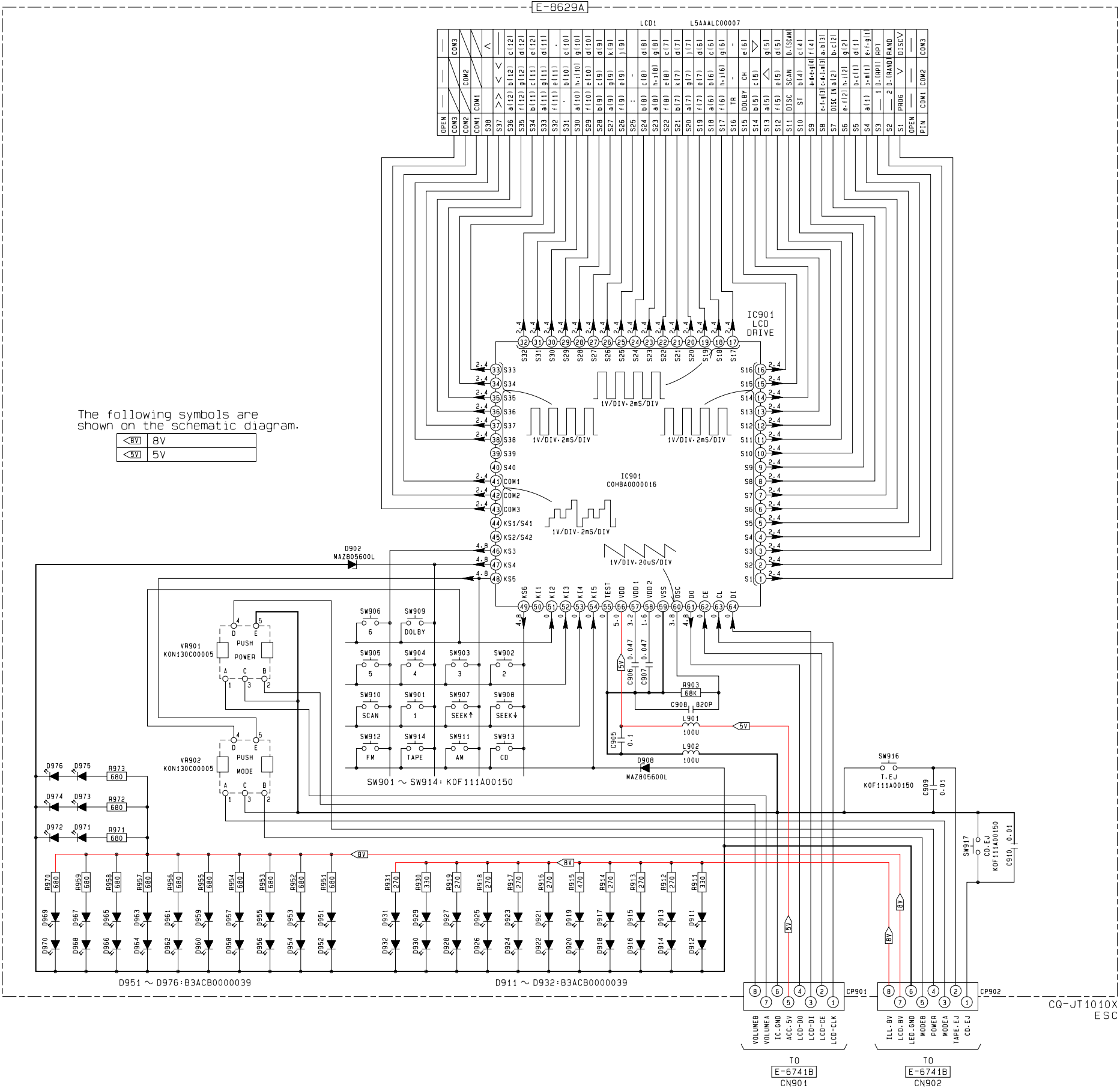
17.2. Tape Block



**THIS PAGE IS JUST FOR
THE PAGE LAYOUT USE
ONLY.**

18 SCHEMATIC DIAGRAM -2

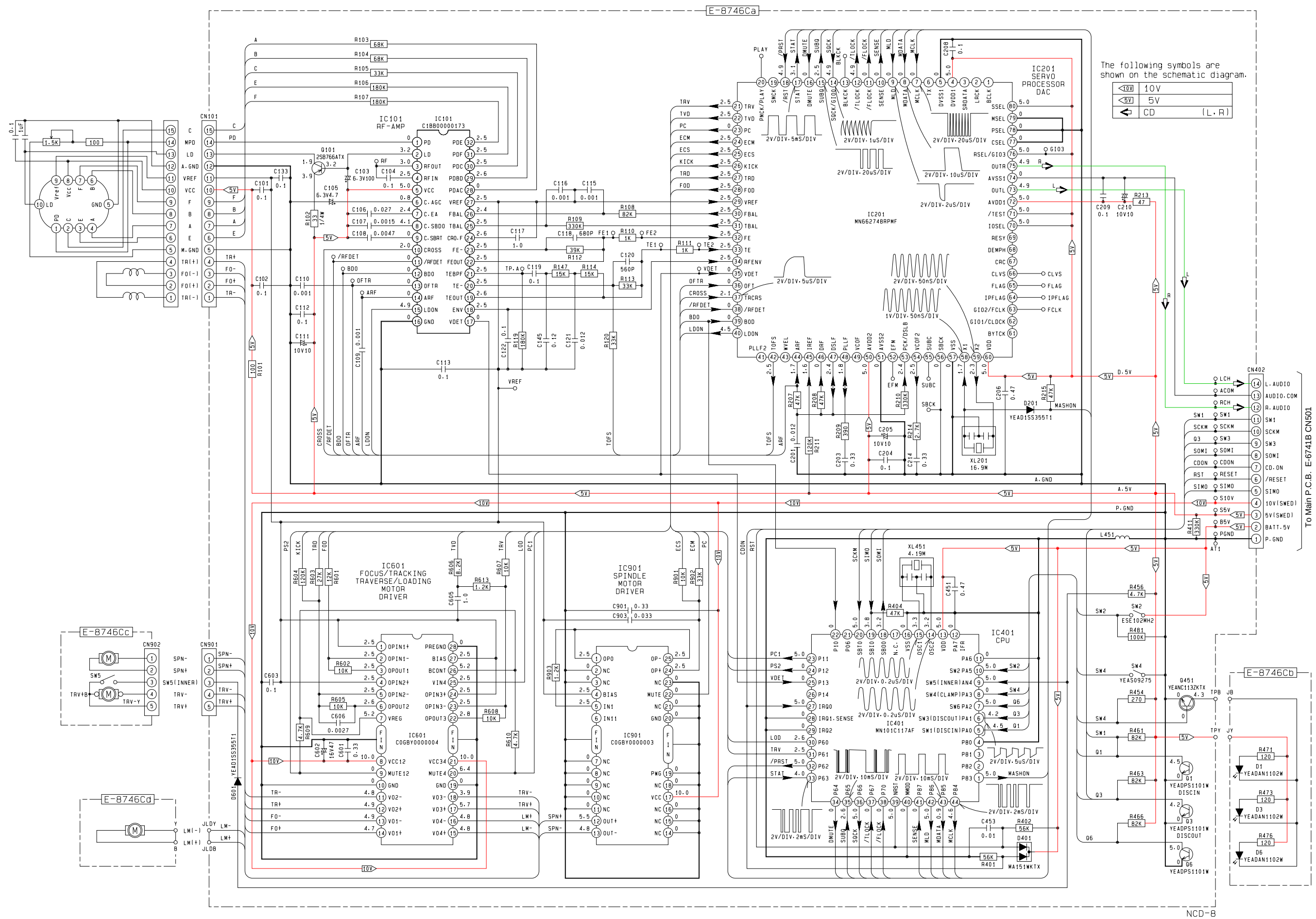
18.1. Display Block <CQ-JT1010X>







18.4. CD Servo Block



19 MEMO

PARTS AVAILABILITY

HOW TO ORDER REPLACEMENT PARTS

Replacement parts can be ordered from either a Parts Depot or directly from Toyota Motor Corporation. When ordering, please refer to the Replacement Parts List in this service manual to insure that you receive the correct part.

Please enter not only part number(s) but also unit number of TOYOTA car radio / car stereo in a REMARKS column of the order sheet.

DISPONIBILIDAD DE PARTES DE REPUESTO

METODO DE HACER PEDIDOS DE PARTES DEREPUETO

Partes de repuesto pueden pedirse tanto a un Depósito de Partes de Repuesto (Parts Depot) como directamente a la Toyota Motor Corporation. En hacer los pedidos, refiérase a la Lista de Partes de Repuesto que se encuentra en este manual de servicio a fin de asegurarse de su recibo de las partes correctas.

Favor llenar la columna OBSERVACIONES de la hoja de pedido no solamente con el (los) número(s) de part(s) sino también con el número de la unidad de radio/estéreo de carro, TOYOTA.

DISPONIBILITE DE PIECES

MOYEN DE COMMANDER DES PIECES DE RECHANGE.

Les pièces de rechange seront commandées au Dépôt de Pièces (Parts Depot) ou directement à Toyota Motor Corporation. Lors d'une commande, veuillez consulter le Liste de pièces de rechange dans ce manuel d'atelier pour être sûr que vous recevez la pièce exacte. Veuillez écrire non seulement le(s) numéro(s) de pièce mais aussi le numéro d'unité de TOYOTA auto-radio/auto-stéréo dans la colonne REMARQUES du bulletin de commande.

TOYOTA PARTS AND ACCESSORIES ORDER										PAGE NO. _____ OF _____																																																					
TO OVERSEAS PARTS DEPARTMENT TOYOTA MOTOR CORPORATION NAGOYA, JAPAN										DATE	B O ORDER NO.																																																				
☐ WEEKLY AIR ORDER ☐ EMERGENCY AIR ORDER ☐ NEW PARTS ORDER FOR MODEL: ☐ PRINTED MATTER ☐ OTHERS:										AIR FREIGHT																																																					
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U.S.A.	PANASONIC PARTS DEPOT
EASTERN REGIONAL PARTS DEPOT	
1225 NORTHBROOK PARKWAY SUITE 2-400 SUWANEE, GA 30174 PHONE : (404) 388-6800	
WESTERN REGIONAL PARTS DEPOT	
20421 84TH AVE. SOUTH KENT, WA 98032 PHONE : (206)-395-7343	

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PANASONIC CANADA INC. 5770 AMBLER DRIVE, MISSISSAUGA, ONTARIO L4W 2T3 PHONE : (905)-624-5010	

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HAMBURG	
PANASONIC SERVICE DEUTSCHLAND G.M.B.H. 2000 HAMBURG 28 AUSSCHLAGER BILLDEICH 32 F.R. GERMANY PHONE : (040)-789511	

SCANDINAVIA	PANASONIC PARTS DEPOT
STOCKHOLM	
PANASONIC SERVICE SCANDINAVIAN A.B. INSTRUMENTVAGEN 29-31, BOX 43047, 100 72 STOCKHOLM, SWEDEN PHONE : 08-190180	

AUSTRALIA	PANASONIC PARTS DEPOT
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PANASONIC AUSTRALIA PTY, LTD 1 CARIBBEAN DRIVE, SCORESBY VIC. 3179 PHONE : (03)-213-8888	
ADELAIDE	
PANASONIC AUSTRALIA PTY, LTD 125 PORT ROAD, HINDMARSH S.A. 5007 PHONE : (08)-346-3999	
BRISBANE	
PANASONIC AUSTRALIA PTY, LTD 494 NUDGE ROAD, HENDRA QUEENSLAND. 4012 PHONE : (07)-268-6455	
PERTH	
PANASONIC AUSTRALIA PTY, LTD 37 KEWDALE ROAD, WELSHPOOL, W.A. 6106 PHONE : (09)-451-7211	

OTHER COUNTRIES
Please order from the Overseas Parts Department, Toyota Motor Corporation, using the normal Parts & Accessories Order Form for ordering Automobile parts.

OTROS PAISES
Favor hacer pedidos al Departamento Partes al Ultramar (Overseas parts Department), Toyota Motor Corporation utilizando el formulario normal de pedido de partes y accesorios que se usa para pedir las partes de repuestos de automóviles.

AUTRES PAYS
Veuillez commander au département de pièces d'outre-mer (Overseas Parts Department), Toyota Motor Corporation, en vous servant du Bulletin de Commande Pièces & Accessoires pour des commandes de pièces d'automobile.

TOYOTA MOTOR CORPORATION

OVERSEAS SERVICE DIVISION

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