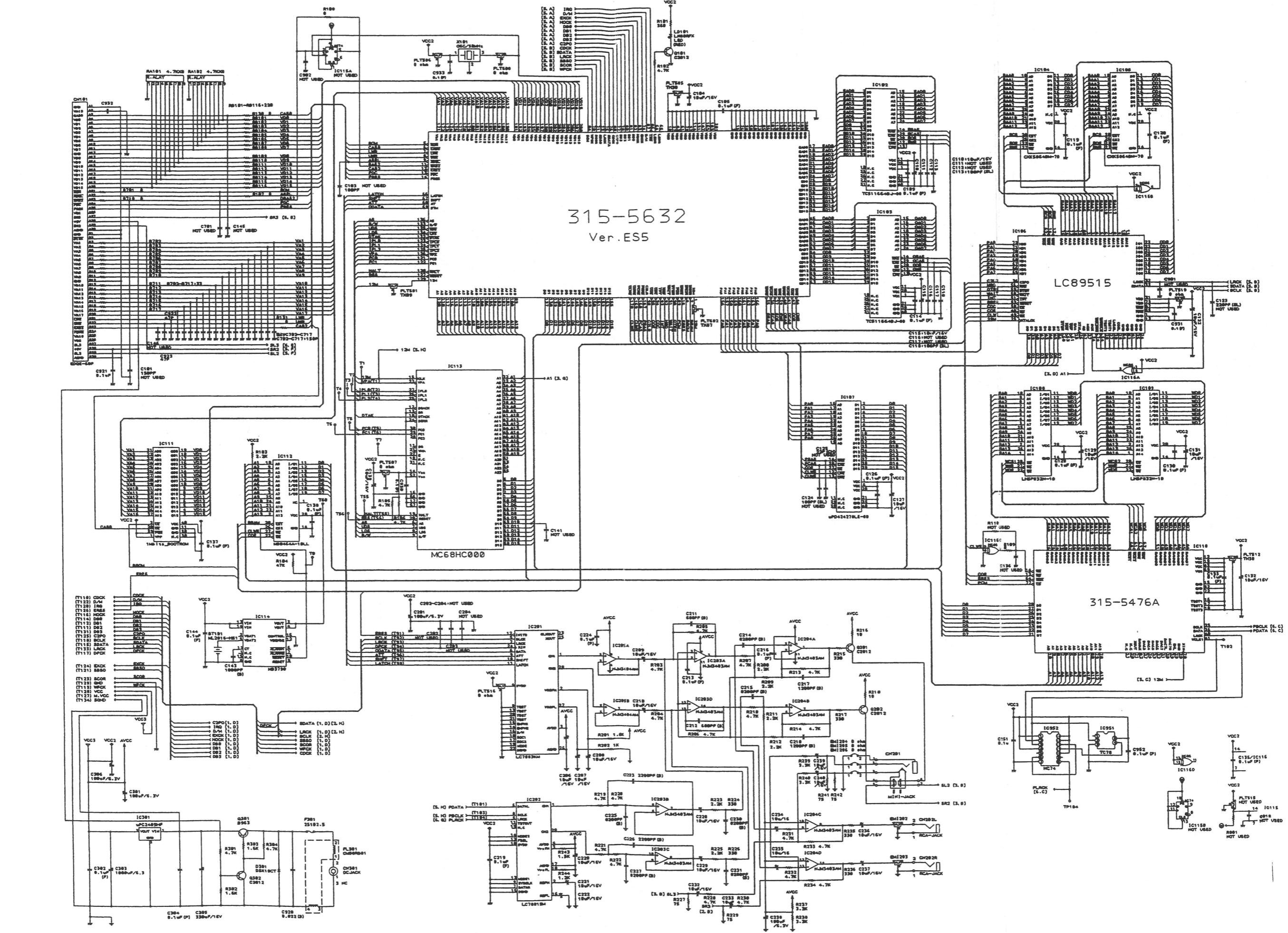
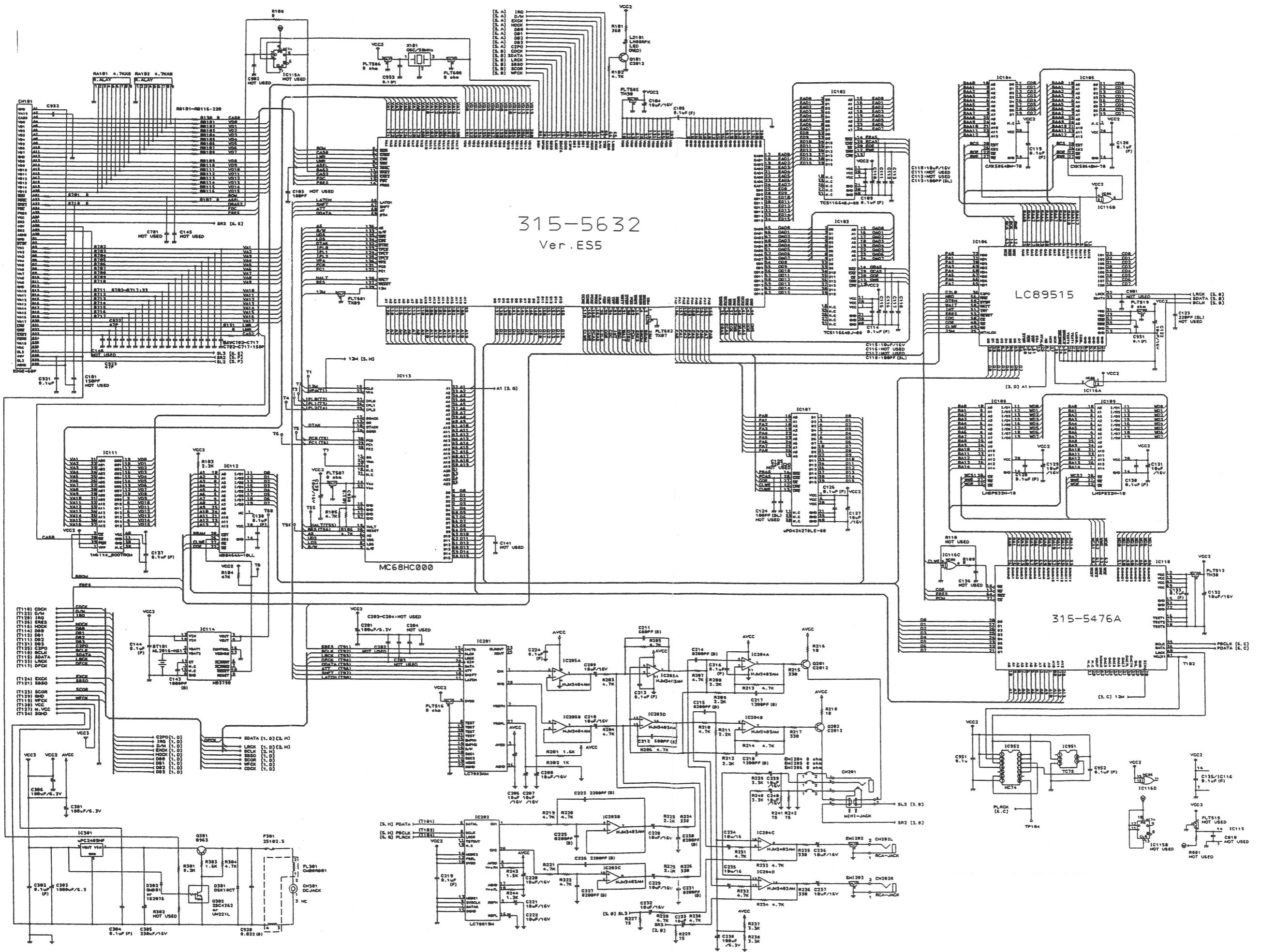


2. SCHEMATIC DIAGRAM

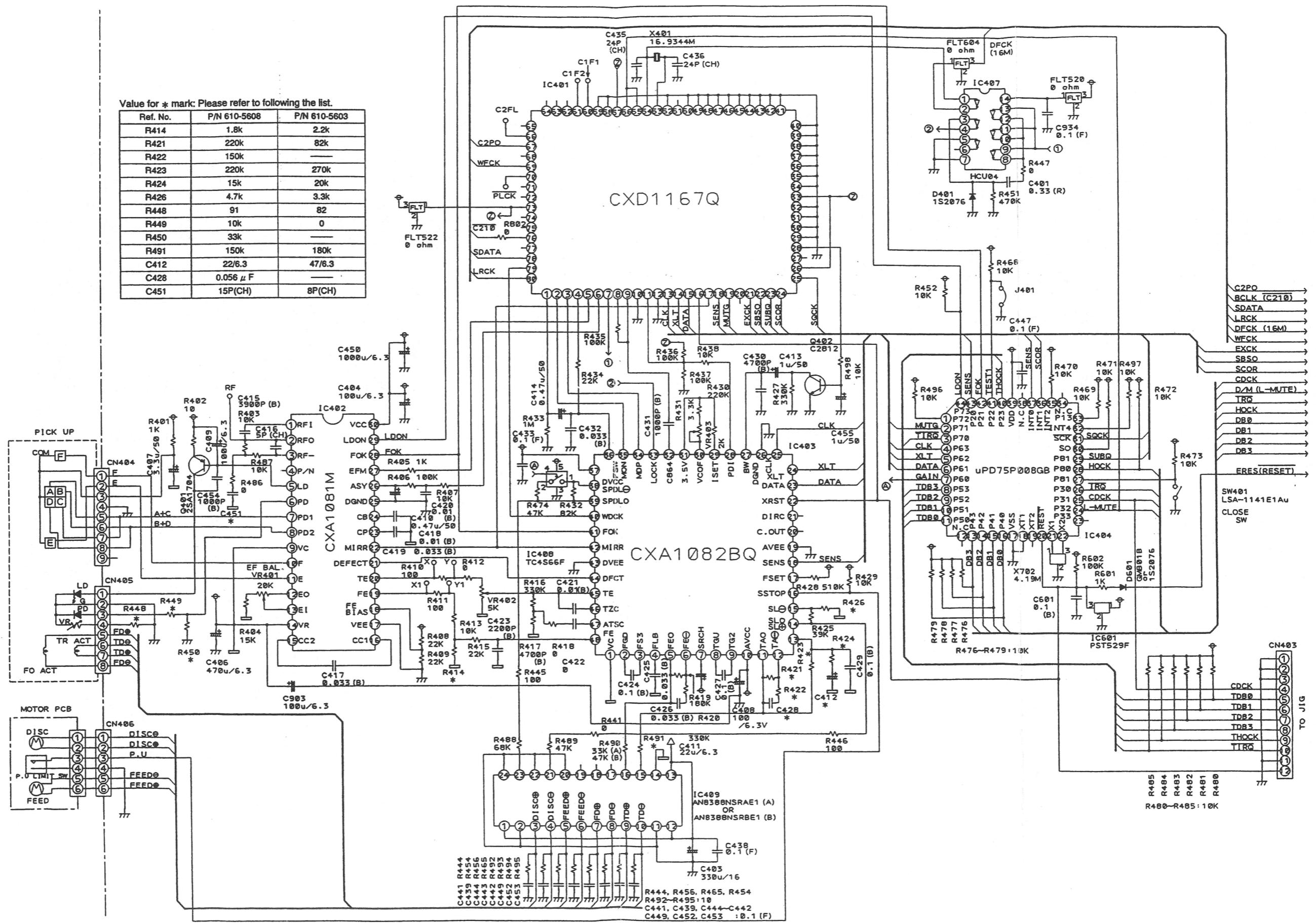
2-1. Schematic Diagram-1 [SEGA CD II]



2-2. Schematic Diagram-2 [MEGA CD II]

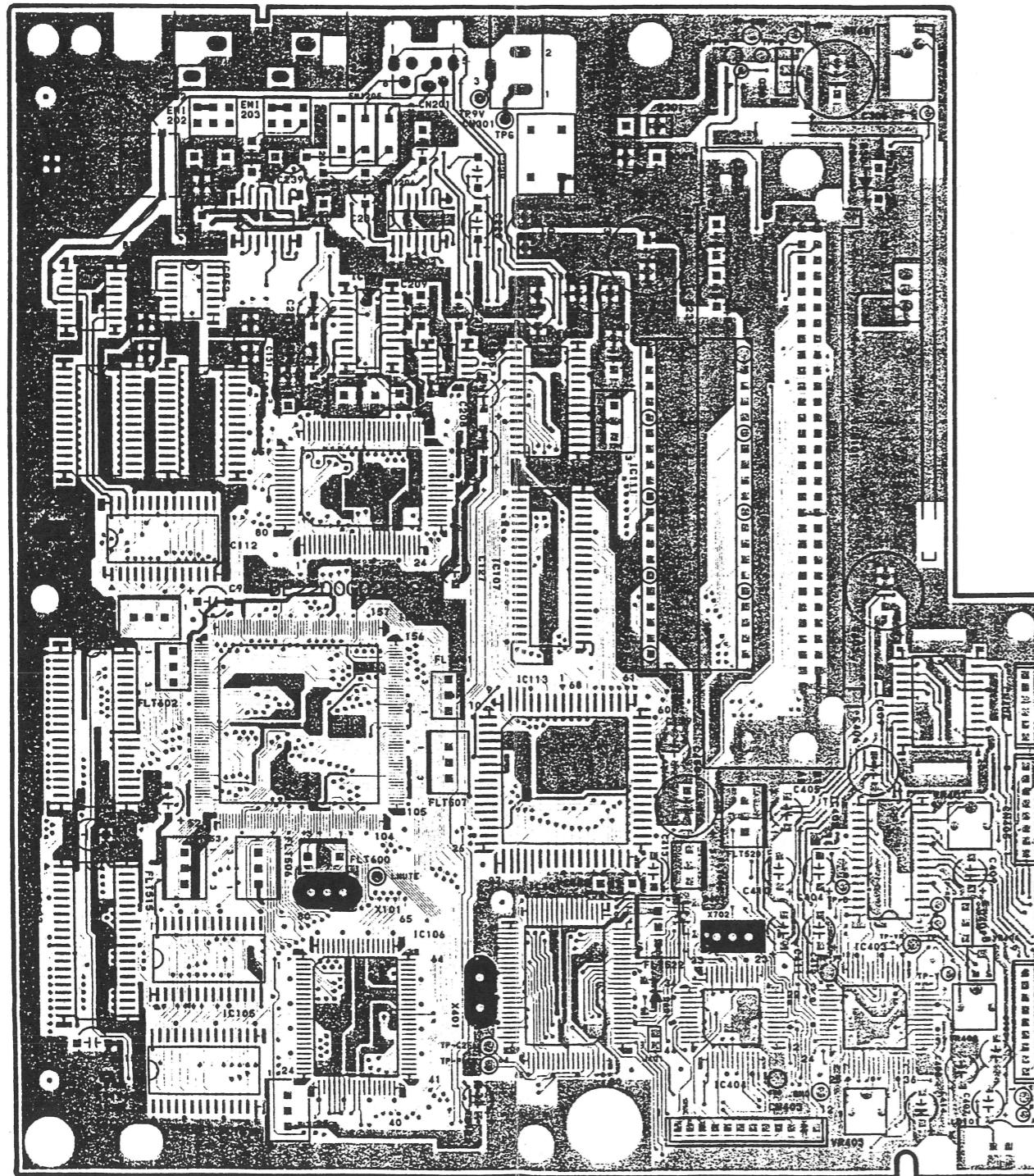


2-3. Schematic Diagram-3

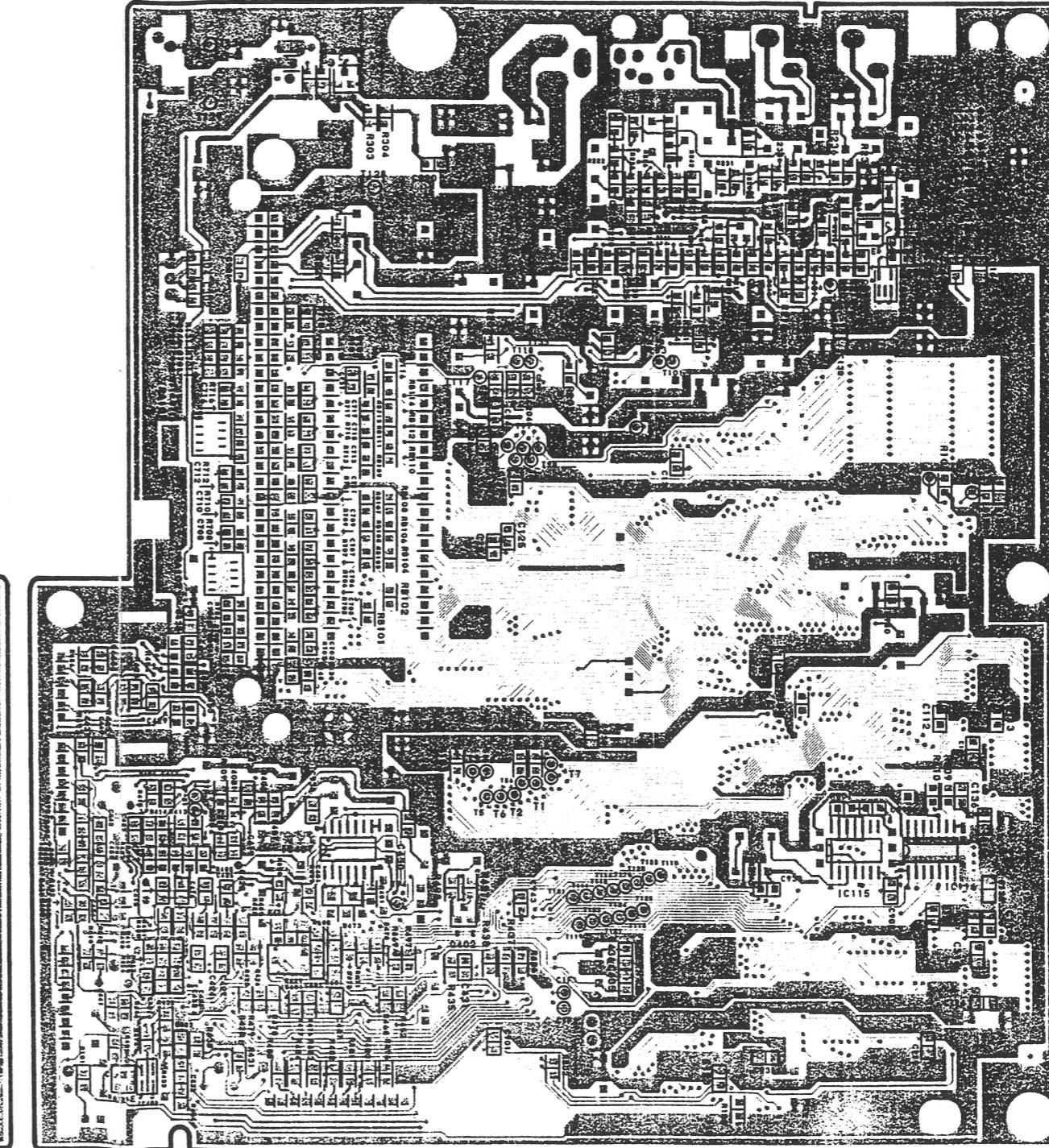


3. CIRCUIT BOARD DIAGRAM

3-1. Main Circuit Board [Top View]

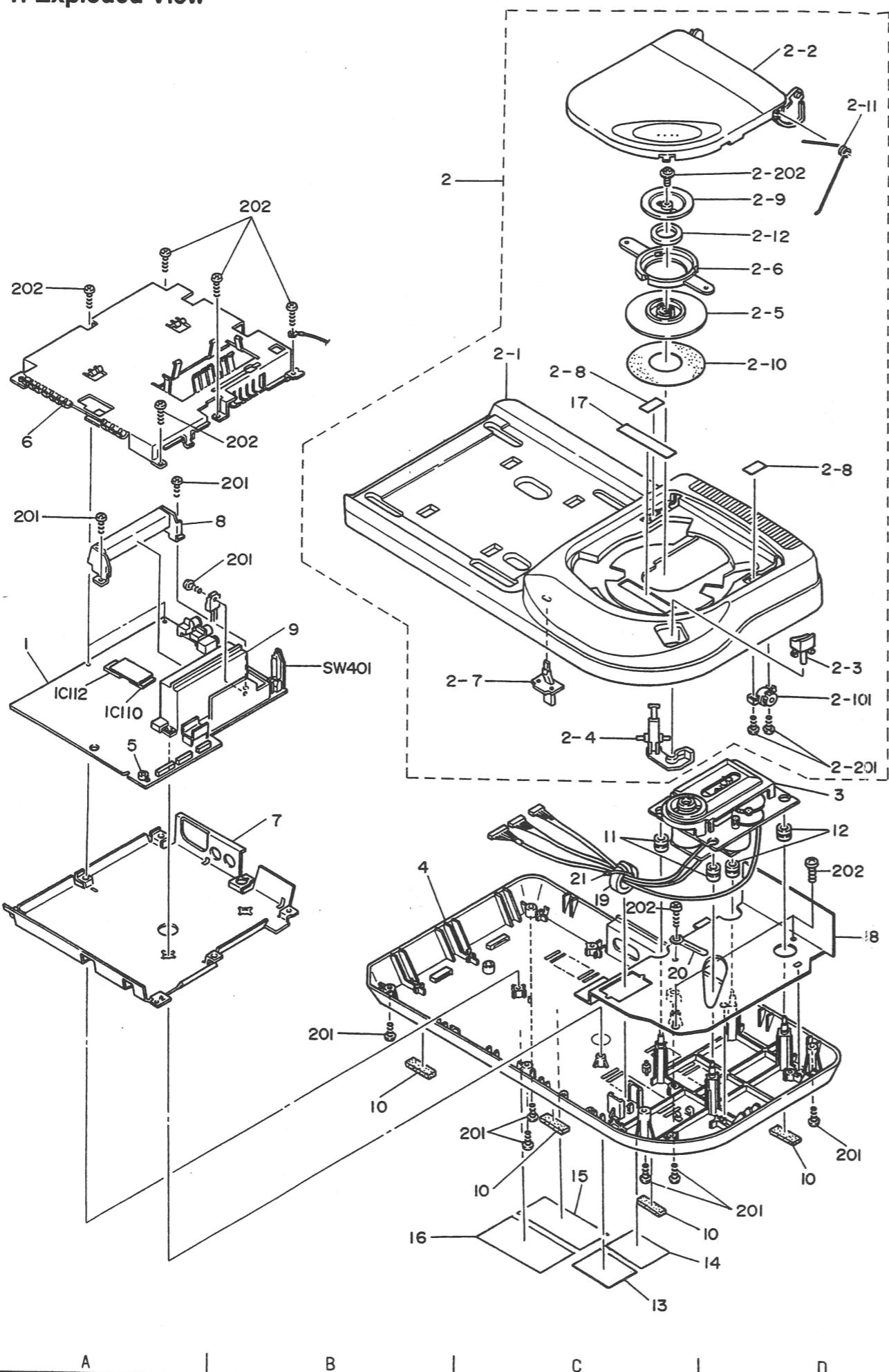


3-2. Main Circuit Board [Bottom View]



4. EXPLODED VIEW & PARTS LIST

4-1. Exploded View



4-2. Mechanical Parts List

4-3. Electrical Parts List

Ref. No.	Parts No.	Description	Circuit No.	Parts No.	Description
1 1 1 1 1	837-10210 837-10213 837-10211 837-10214	IC BD SEGA-CD2 MAIN USA CH [KS] IC BD SEGA-CD2 MAIN USA CHSS [SS] IC BD MEGA-CD2 MAIN MULTI CH [KM] IC BD MEGA-CD2 MAIN MULTI CHSS [SM]	IC101 IC102 IC102 IC102	315-5632 315-0745-80 315-0804-70 315-0804-80	IC CUSTOM CHIP MCE3 FUJITSU IC TC511664BJ-80 SOJ TOSHIBA IC UPD421664LE-70 SOJ NEC IC UPD421664-80 SOJ NEC IC UPD421664-80L SOJ NEC
2 2	610-5466 610-5467	ASSY TOP CASE SEGA-CD2 USA [KS, SS] ASSY TOP CASE MEGA-CD2 MULTI [KM, SM]	IC102	315-0805-80	IC TC511664BJ-80 SOJ TOSHIBA IC UPD421664LE-70 SOJ NEC IC UPD421664-80 SOJ NEC IC UPD421664-80L SOJ NEC
2-1	253-6661	TOP CASE MEGA-CD2 EXPORT	IC103	315-0745-80	IC TC511664BJ-80 SOJ TOSHIBA
2-2 2-2	253-6635 253-6636	DOOR SEGA-CD2 USA [KS, SS] DOOR MEGA-CD2 MULTI [KM, SM]	IC103 IC103	315-0804-70 315-0804-80	IC UPD421664LE-70 SOJ NEC IC UPD421664-80 SOJ NEC IC UPD421664-80L SOJ NEC
2-3 2-3	253-6562-01 253-6562-02	DOOR KNOB SEGA-CD2 USA [KS, SS] DOOR KNOB MEGA-CD2 MULTI [KM, SM]	IC104 IC104 IC104	315-0651 315-0651-90 315-0773	IC MB8464A-80 SOP 28P FUJITSU IC MB8464A-90 SOP 28P IC CXK5864CM-7OLL-T6 SOP SONY IC CXK5864BM-70 SOP SONY
2-4 2-5 2-6 2-7 2-8	253-6563 253-6564 253-6565 253-6566 253-6569	DOOR LEVER MEGA-CD2 CHUCK DISK MEGA-CD2 CHUCK HOLDER MEGA-CD2 LED LENS MEGA-CD2 BLIND SHEET MEGA-CD2	IC105 IC105 IC105 IC105 IC105	315-0651 315-0651-90 315-0773 315-0796-70	IC MB8464A-80 SOP 28P FUJITSU IC MB8464A-90 SOP 28P IC CXK5864CM-7OLL-T6 SOP SONY IC CXK5864BM-70 SOP SONY
2-9 2-10 2-11 2-12	250-5306 601-6983 125-5101 113-0020	CONNECT PLATE MEGA-CD2 CHUCK SHEET MEGA-CD2 DOOR SPRING MEGA-CD2 MAGNET MEGA-CD2 TK-4094 TOKIN	IC106 IC107 IC107 IC107	313-5181-01 315-0739-80 315-0777-80 315-0818 315-0822-80	IC LC89515 QFP SANYO
2-101 2-201 2-202	601-7018 012-P00210 029-000016	OIL DAMPER MEGA-CD2 TAP SCR PH 2X10 CUP SCR 2.6#5	IC107	315-0822-80	IC UPD424270LE-80 NEC
3 3	610-5608 610-5603	CD DRIVE UNIT MEGA-CD2 V2 [KS, KM] CD DRIVE UNIT MEGA-CD2 SS [SS, SM]	IC108 IC108	315-0677 315-0759-10 315-0760-10	IC HC51832FL-10 SOP TOSHIBA IC HC51832AFL-10 SOP TOSHIBA IC LH5P832N-10 SOP SHARP
4 4	253-6651 253-6651A	BOTTOM CASE MEGA-CD2 EXPORT [KS, SS] BOTTOM CASE MCD2 EXPORT ALPEX [KM, SM]	IC109 IC109 IC109	315-0677 315-0759-10 315-0760-10	IC TC51832FL-10 SOP TOSHIBA IC TC51832AFL-10 SOP TOSHIBA IC LH5P832N-10 SOP SHARP
5 6 7 8 9	253-6567 250-5327 250-5328 250-5325 250-5326	LED HOLDER MEGA-CD2 TOP SHIELD CD2 EXPORT BOTTOM SHIELD CD2 EXPORT CONNECTER SHIELD A CD2 EXPORT CONNECTER SHIELD B CD2 EXPORT	IC110 IC111 IC111 IC111 IC111	315-5476A MPR-15511 MPR-15511A MPR-15512 MPR-15512A	IC CUSTOM CHIP RF5C164A RICOH
10 11 12	601-6982 601-6984 601-7002	RUBBER FOOT MEGA-CD2 RUBBER DAMPER A MEGA-CD2 RUBBER DAMPER B MEGA-CD2	IC112	315-0635	IC MB8464A-10LL PF-G-BND FUJIT
13 13	670-3119 670-3120	LABEL SER. NO. MK-4101 USA [KS, SS] LABEL SER. NO. MEGA-CD2 MULTI [KM, SM]	IC113 IC113	315-0637 315-0650	IC MC68HC000FN12 PLCC MOTOROLA IC HD68HC000CP-12 PLCC HITACHI
14 14	670-3126-01 670-2774	LABEL FDA MK-4101 USA [KS, SS] LABEL CAUTION LASER EUROPE [KM, SM]	IC114 IC115 IC116	313-5190 NOT USED 314-0549-01	IC MB3790 SOP 16PIN FUJITSU NOT USED IC TC74HC86 SOP TOSHIBA
15 15	670-0248 670-4562	SEAL CUSTOMER SERVICE [KS, SS] LABEL RFI & CE MARK [KM, SM]	IC201 IC202 IC203	313-5184 313-5231 313-5249	IC LC7883KM SOP SANYO IC LC78815M SOP 20P SANYO
16	670-3204A	LABEL FCC & ALPEX SCD2 USA [KS, SS]	IC204 IC205	313-5249 313-5250	IC NJM3403AM SOP IC NJM3403AM SOP IC NJM3404AM SOP
17 17	670-3210 670-3209	CAUTION LABEL MEGA-CD2 MULTI [KM, SM] CAUTION LABEL SEGA-CD2 USA [KS, SS]	IC301	313-5193	IC UPC2405HF NEC
18	250-5350	CD UNIT SHIELD CD2 EXPORT	IC401 IC402	315-0798 313-5251	IC CXD1167Q QFP IC CXA1081M SOP
19 20 21	270-5074 280-5242 601-0460	FERRITE CORE CD2 EXPORT HARNESS LUG L=35MM PLASTIC TIE BELT 100 M/M	IC403 IC404 IC404	313-5252 315-0799 315-0808	IC CXA1082Q QFP IC UPD75P008GB QFP IC UPD75006GB QFP
201 202	012-P00310 012-P00308	TAP SCR PH 3X10 TAP SCR PH 3X8	IC404 IC407 IC408	315-0848 314-0571 313-5253	IC UPD75006GB-639-3B4 IC 74HCU04 SOP IC TC4S66F-TE85R
			IC409 IC409	314-0572 314-0585	IC AN8388SR SOP IC AN8388NSRBE1 SOP
			IC601	314-0573	IC PST529F MMP3P RESET IC
			IC951 IC952	315-0853 314-0407	IC TC7S04F IC 74HC74

[NOTE] [KS]: SEGA CD II, CD DRIVE UNIT P/N 610-56
[KM]: MEGA CD II, CD DRIVE UNIT P/N 610-56

[SS]: SEGA CD II, CD DRIVE UNIT P/N 610-5603
[SM]: MEGA CD II, CD DRIVE UNIT P/N 610-5603

Circuit No.	Parts No.	Description	Circuit No.	Parts No.	Description	
Q 101	482-5191	XSTR CHIP 2SC2812-5-CP-TB	RA102	477-0152	RES PACK CP 8*4.7K OHM W/COMM	
Q 101	482-5192	XSTR CHIP 2SC2812-6-CP-TB	RB101	476-2221-J-10	RES CHIP 220 OHM 1/10W 5%	
Q 201	482-5191	XSTR CHIP 2SC2812-5-CP-TB	RB102	476-2221-J-10	RES CHIP 220 OHM 1/10W 5%	
Q 201	482-5192	XSTR CHIP 2SC2812-6-CP-TB	RB103	476-2221-J-10	RES CHIP 220 OHM 1/10W 5%	
Q 202	482-5191	XSTR CHIP 2SC2812-5-CP-TB	RB104	476-2221-J-10	RES CHIP 220 OHM 1/10W 5%	
Q 202	482-5192	XSTR CHIP 2SC2812-6-CP-TB	RB105	476-2221-J-10	RES CHIP 220 OHM 1/10W 5%	
Q 301	482-5193	XSTR 2SB963 M	RB106	476-2221-J-10	RES CHIP 220 OHM 1/10W 5%	
Q 301	482-5194	XSTR 2SB963 L	RB107	476-2221-J-10	RES CHIP 220 OHM 1/10W 5%	
Q 301	482-5195	XSTR 2SB963 K	RB108	476-2221-J-10	RES CHIP 220 OHM 1/10W 5%	
Q 302	482-5191	XSTR CHIP 2SC2812-5-CP-TB	[KS, SS]	RB109	476-2221-J-10	RES CHIP 220 OHM 1/10W 5%
Q 302	482-5192	XSTR CHIP 2SC2812-6-CP-TB	[KS, SS]	RB110	476-2221-J-10	RES CHIP 220 OHM 1/10W 5%
Q 302	482-5204	XSTR CHIP 2SC4362	[KM, SM]	RB111	476-2221-J-10	RES CHIP 220 OHM 1/10W 5%
Q 302	482-5205	XSTR CHIP UN221L	[KM, SM]	RB112	476-2221-J-10	RES CHIP 220 OHM 1/10W 5%
Q 401	482-5196	XSTR 2SA1704 S-AN	RB113	476-2221-J-10	RES CHIP 220 OHM 1/10W 5%	
Q 401	482-5197	XSTR 2SA1704 T-AN	RB114	476-2221-J-10	RES CHIP 220 OHM 1/10W 5%	
Q 402	482-5191	XSTR CHIP 2SC2812-5-CP-TB	RB115	476-2221-J-10	RES CHIP 220 OHM 1/10W 5%	
Q 402	482-5192	XSTR CHIP 2SC2812-6-CP-TB	RB116	476-2221-J-10	RES CHIP 220 OHM 1/10W 5%	
D 301	481-5119	DIODE DSK10-ET1	SW401	250-5342	SW COVER CD2 SY	
D 302	481-5120	DIODE 1S2076RE	VR401	475-0073	V. RES C TRM 20K OHM B RADIAL	
D 302	NOT USED	NOT USED	VR402	475-0074	V. RES C TRM 5K OHM B RADIAL	
CN101	209-5068	EDGE CONN 60PIN C02 CUSTOM	VR403	475-0075	V. RES C TRM 2K OHM B RADIAL	
CN201	210-5114	STEREO MINIJACK HSJ2000-01-010	VR404	NOT USED	NOT USED	
CN202	210-5115	RCA JACK YKC21-0242	X 101	230-5103	XTAL OSC 50.000MHZ JX0-7	
D 401	481-5120	DIODE 1S2076RE	X 401	230-5104	XTAL OSC 16.9344MHZ HC-49U	
D 601	481-5120	DIODE 1S2076RE	X 702	230-5109	CER OSC 4.19MHz	
BT101	401-0037	BATTERY ML2016-HS1	SANYO	R 101	476-2361-J-10	RES CHIP 360 OHM 1/10W 5%
CN101	209-5068	EDGE CONN 60PIN C02 CUSTOM	R 102	476-2472-J-10	RES CHIP 4.7KOHM 1/10W 5%	
CN201	210-5114	STEREO MINIJACK HSJ2000-01-010	R 103	476-2222-J-10	RES CHIP 2.2KOHM 1/10W 5%	
CN202	210-5115	RCA JACK YKC21-0242	R 104	476-2473-J-10	RES CHIP 47KOHM 1/10W 5%	
CN301	212-5378	DC JACK HEC0470-01-630	R 105	476-2472-J-10	RES CHIP 4.7KOHM 1/10W 5%	
CN403	212-5382	PIN HEADER ST 1L-S-12P-S2T2-EF	R 106	476-2472-J-10	RES CHIP 4.7KOHM 1/10W 5%	
CN404	212-5379	CONN BASE 9P B9B-PH-K-S	R 107	479-5010-J-10	RES CHIP 0 OHM 1/10W	
CN405	212-5380	CONN BASE 8P B8B-PH-K-S	R 108	479-5010-J-10	RES CHIP 0 OHM 1/10W	
CN406	212-5381	CONN BASE 6P B6B-PH-K-S	R 109	479-5010-J-10	RES CHIP 0 OHM 1/10W	
E MI202	271-0007	EMI FILTER STX222MB	R 110	NOT USED	NOT USED	
E MI202	271-0073	EMI FILTER ED31-D222M	R 130	479-5010-J-10	RES CHIP 0 OHM 1/10W	
E MI202	479-5009	RES 0 OHM 1/4W	R 131	479-5010-J-10	RES CHIP 0 OHM 1/10W	
E MI203	271-0007	EMI FILTER STX222MB	R 201	476-2162-J-10	RES CHIP 1.6KOHM 1/10W 5%	
E MI203	271-0073	EMI FILTER ED31-D222M	R 202	476-2102-J-10	RES CHIP 1KOHM 1/10W 5%	
E MI203	479-5009	RES 0 OHM 1/4W	R 203	476-2472-J-10	RES CHIP 4.7KOHM 1/10W 5%	
E MI204	479-5009	RES 0 OHM 1/4W	R 204	476-2472-J-10	RES CHIP 4.7KOHM 1/10W 5%	
E MI205	479-5009	RES 0 OHM 1/4W	R 205	476-2472-J-10	RES CHIP 4.7KOHM 1/10W 5%	
E MI206	479-5009	RES 0 OHM 1/4W	R 206	476-2472-J-10	RES CHIP 4.7KOHM 1/10W 5%	
E MI207	479-5009	RES 0 OHM 1/4W	R 207	476-2472-J-10	RES CHIP 4.7KOHM 1/10W 5%	
E MI208	479-5009	RES 0 OHM 1/4W	R 208	476-2222-J-10	RES CHIP 2.2KOHM 1/10W 5%	
F 301	514-5060	FUSE PICO II 25102.5 AXIAL	R 209	476-2222-J-10	RES CHIP 2.2KOHM 1/10W 5%	
F 301	514-5060	FUSE PICO II 25102.5 AXIAL	R 210	476-2472-J-10	RES CHIP 4.7KOHM 1/10W 5%	
FL301	271-0054	LINE FILTER CM08RB01	R 211	476-2222-J-10	RES CHIP 2.2KOHM 1/10W 5%	
FLT505	271-0058	FILMAC TH30333MAT	R 212	476-2222-J-10	RES CHIP 2.2KOHM 1/10W 5%	
FLT506	479-5009	RES 0 OHM 1/4W	R 213	476-2472-J-10	RES CHIP 4.7KOHM 1/10W 5%	
FLT507	479-5009	RES 0 OHM 1/4W	R 214	476-2472-J-10	RES CHIP 4.7KOHM 1/10W 5%	
FLT512	271-0058	FILMAC TH30333MAT	R 215	476-2331-J-10	RES CHIP 330 OHM 1/10W 5%	
FLT516	479-5009	RES 0 OHM 1/4W	R 216	476-2100-J-10	RES CHIP 10 OHM 1/10W 5%	
FLT519	479-5009	RES 0 OHM 1/4W	R 217	476-2331-J-10	RES CHIP 330 OHM 1/10W 5%	
FLT520	479-5009	RES 0 OHM 1/4W	R 218	476-2100-J-10	RES CHIP 10 OHM 1/10W 5%	
FLT522	479-5009	RES 0 OHM 1/4W	R 219	476-2472-J-10	RES CHIP 4.7KOHM 1/10W 5%	
FLT600	479-5009	RES 0 OHM 1/4W	R 220	476-2472-J-10	RES CHIP 4.7KOHM 1/10W 5%	
FLT601	271-0059	FILMAC TX09500NBT	R 221	476-2472-J-10	RES CHIP 4.7KOHM 1/10W 5%	
FLT602	271-0060	FILMAC TX07250NBT	R 222	476-2472-J-10	RES CHIP 4.7KOHM 1/10W 5%	
FLT604	479-5009	RES 0 OHM 1/4W	R 223	476-2222-J-10	RES CHIP 2.2KOHM 1/10W 5%	
LD101	390-5449	LED LN88RXPX	R 224	476-2331-J-10	RES CHIP 330 OHM 1/10W 5%	
RA101	477-0152	RES PACK CP 8*4.7K OHM W/COMM	R 225	476-2222-J-10	RES CHIP 2.2KOHM 1/10W 5%	

[NOTE] [KS]: SEGA CD II, CD DRIVE UNIT P/N 610-5608
 [SS]: SEGA CD II, CD DRIVE UNIT P/N 610-5603
 [KM]: MEGA CD II, CD DRIVE UNIT P/N 610-5608

Circuit No.	Parts No.	Description	Circuit No.	Parts No.	Description
R 228	476-2472-J-10	RES CHIP 4.7KOHM 1/10W 5%	R 432	476-2823-J-10	RES CHIP 82K OHM 1/10W 5%
R 229	476-2750-J-10	RES CHIP 75 OHM 1/10W 5%	R 433	476-2105-J-10	RES CHIP 1MOHM 1/10W 5%
R 230	476-2472-J-10	RES CHIP 4.7KOHM 1/10W 5%	R 434	476-2223-J-10	RES CHIP 22KOHM 1/10W 5%
R 231	476-2472-J-10	RES CHIP 4.7KOHM 1/10W 5%	R 435	476-2104-J-10	RES CHIP 100KOHM 1/10W 5%
R 232	476-2472-J-10	RES CHIP 4.7KOHM 1/10W 5%	R 436	476-2104-J-10	RES CHIP 100KOHM 1/10W 5%
R 233	476-2472-J-10	RES CHIP 4.7KOHM 1/10W 5%	R 437	476-2104-J-10	RES CHIP 100KOHM 1/10W 5%
R 234	476-2472-J-10	RES CHIP 4.7KOHM 1/10W 5%	R 438	476-2103-J-10	RES CHIP 10KOHM 1/10W 5%
R 235	476-2331-J-10	RES CHIP 330 OHM 1/10W 5%	R 441	479-5010-J-10	RES CHIP 0 OHM 1/10W
R 236	476-2331-J-10	RES CHIP 330 OHM 1/10W 5%	R 444	476-2100-J-10	RES CHIP 10 OHM 1/10W 5%
R 237	476-2332-J-10	RES CHIP 3.3KOHM 1/10W 5%	R 445	476-2101-J-10	RES CHIP 100 OHM 1/10W 5%
R 238	476-2332-J-10	RES CHIP 3.3KOHM 1/10W 5%	R 446	476-2101-J-10	RES CHIP 100 OHM 1/10W 5%
R 239	476-2332-J-10	RES CHIP 3.3KOHM 1/10W 5%	R 447	479-5010-J-10	RES CHIP 0 OHM 1/10W
R 240	476-2332-J-10	RES CHIP 3.3KOHM 1/10W 5%	R 448	476-2820-J-10	RES CHIP 82 OHM 1/10W 5%
R 241	476-2750-J-10	RES CHIP 75 OHM 1/10W 5%	R 448	476-2910-J-10	RES CHIP 91 OHM 1/10W 5%
R 242	476-2750-J-10	RES CHIP 75 OHM 1/10W 5%	R 449	476-2103-J-10	RES CHIP 10KOHM 1/10W 5%
R 243	476-2152-J-10	RES CHIP 1.5KOHM 1/10W 5%	R 449	479-5010-J-10	RES CHIP 0 OHM 1/10W
R 244	476-2122-J-10	RES CHIP			