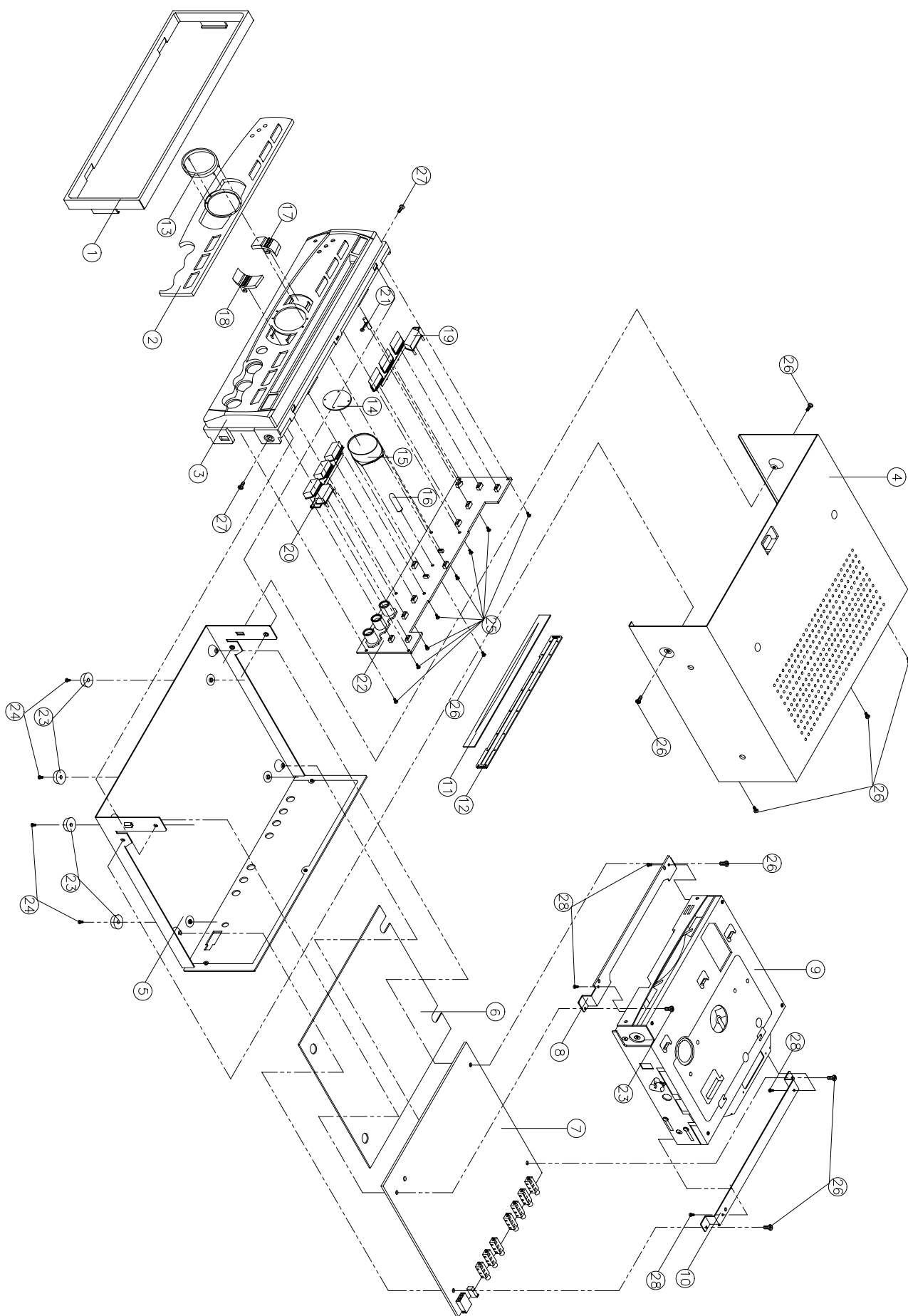


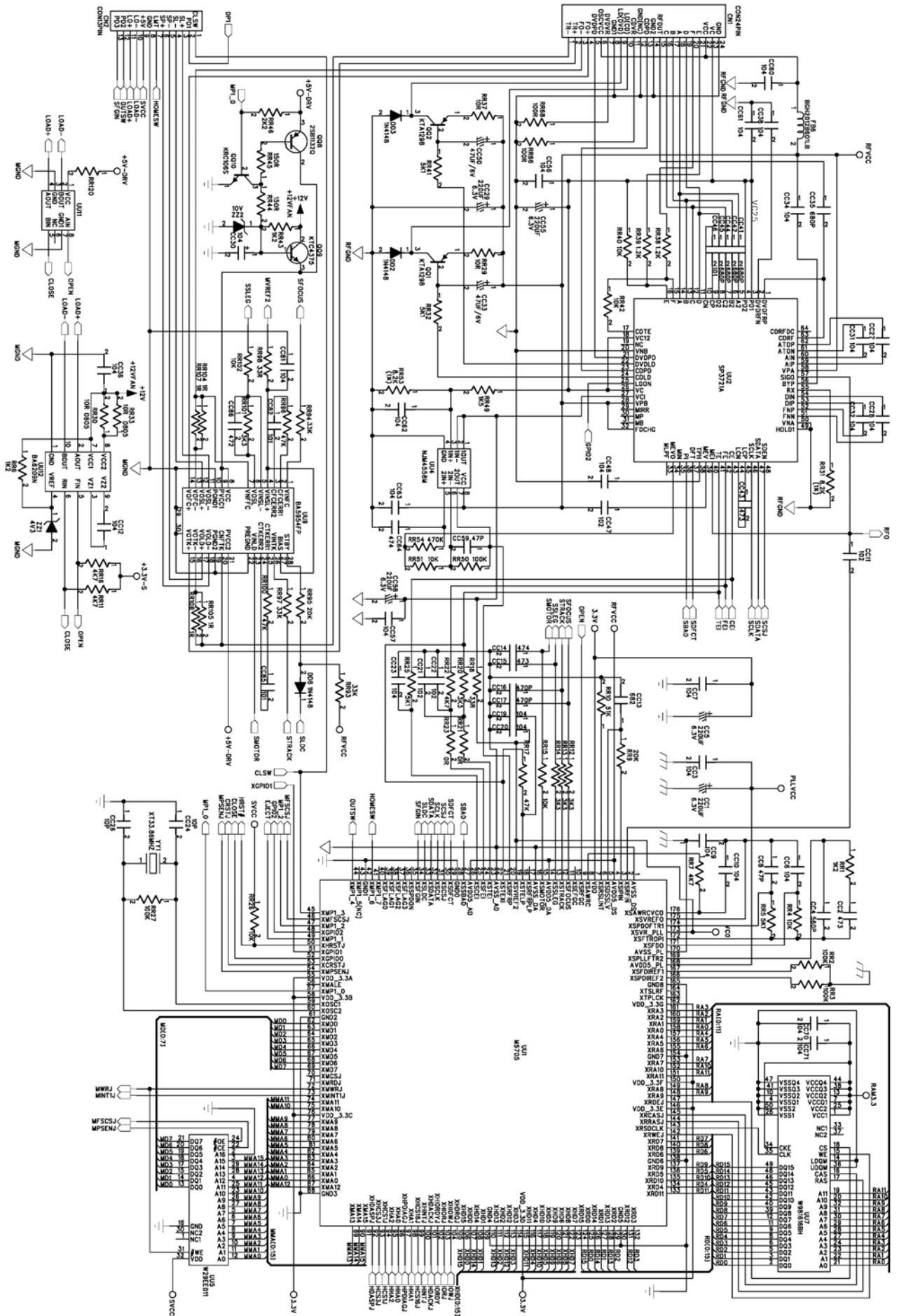
EXPLODED VIEW



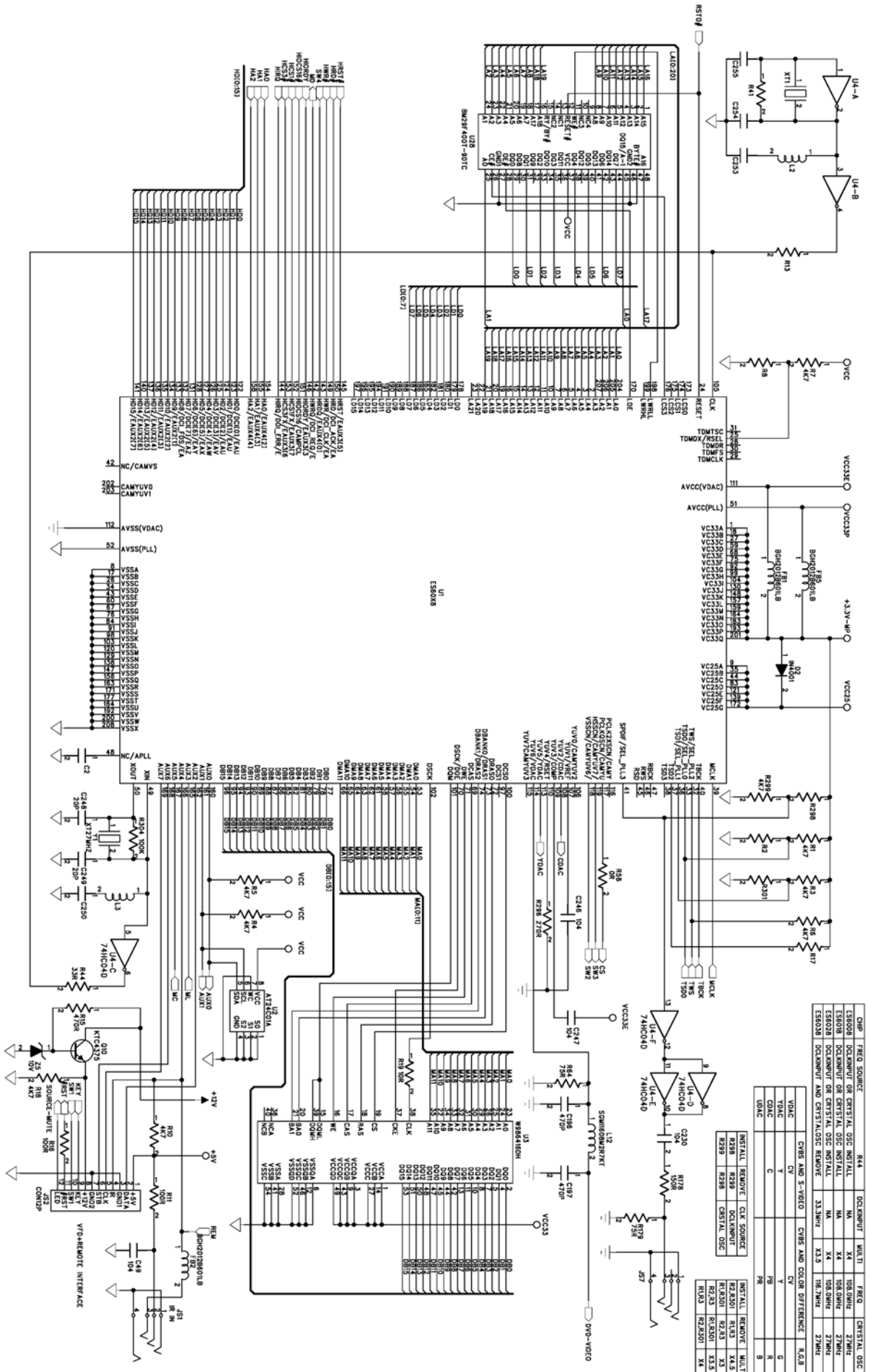
EXPLODED VIEW PARTS LIST

Ref. No.	Description	RS Part No.	Mfr's Part No.
1	Ring /777 (S. OPC1201)		51-H2020-80
2	Lens: DVD2013 (S. PMS877C/Black)		53-B2030-81B
3	Base (S. OPC1201/PMS433C)		51-D2030-81Y
4	Top Cover (S. OPC0204)		61-H2003-80S
5	Bottom Cabinet (S. OPC0204/Black)		61-H2010-81
6	Main PCB Paper		43-H2001-00
7	Main Board		11-02013-007
8	Deck Front Bracket		39-B2001-01
9	DVD MECH. Slot Type (Hop-1200A Pick Up)		94-02680-00
10	Deck Rear Bracket		39-B2002-01
11	Shade		81-69005-02
12	CD Windows Sheet		43-A3101-00
13	Top Decoctroplated With Silver		52-B2030-80
14	PVC Sheet		43-B2013-00
15	Direction Knob (L-Up) (S. OP0000)		52-B2031-31
16	Direct Knob Bracket		52-B2037-00
17	Setup Knob (L-Up) (S. OPC1201)		52-B2032-81
18	Enter Knob (L-Up) (S. OPC1201)		52-B2033-81
19	PWR/Source/Stop/Play Knob (L-Up) (S. OPC1201)		52-B2034-81
20	Audio/VOL Knob (L-Up) (S. OPC1201)		52-B2035-81
21	Reset Knob (S. OP1201)		52-B2036-80
22	Key Board		11-02013-337
23	Rubber Foot DVD171		81-D1701-00
24	Bracket Screw M2.0		40-A1516-00
25	Screw Ø2 X 6 BH/ST Black		40-12006-01
26	Screw Ø2.6 X4 BH/MS		40-02604-01
27	Screw Ø2.6 X 4 KH/MS		40-02604-02
28	Screw Ø2.6 X 5 BH/TAPTITE		40-02605-03

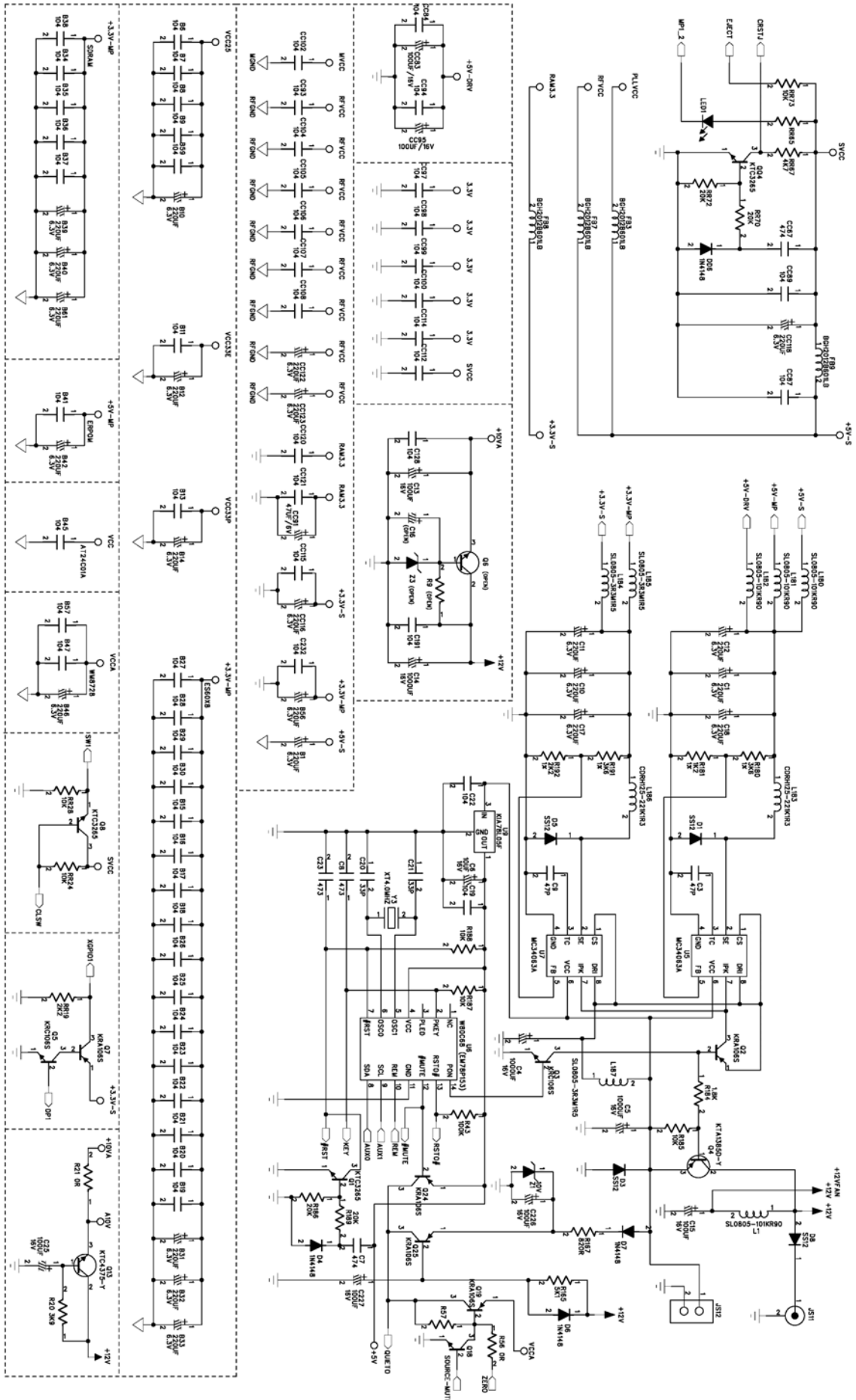
SCHEMATIC DIAGRAM (SERVO)



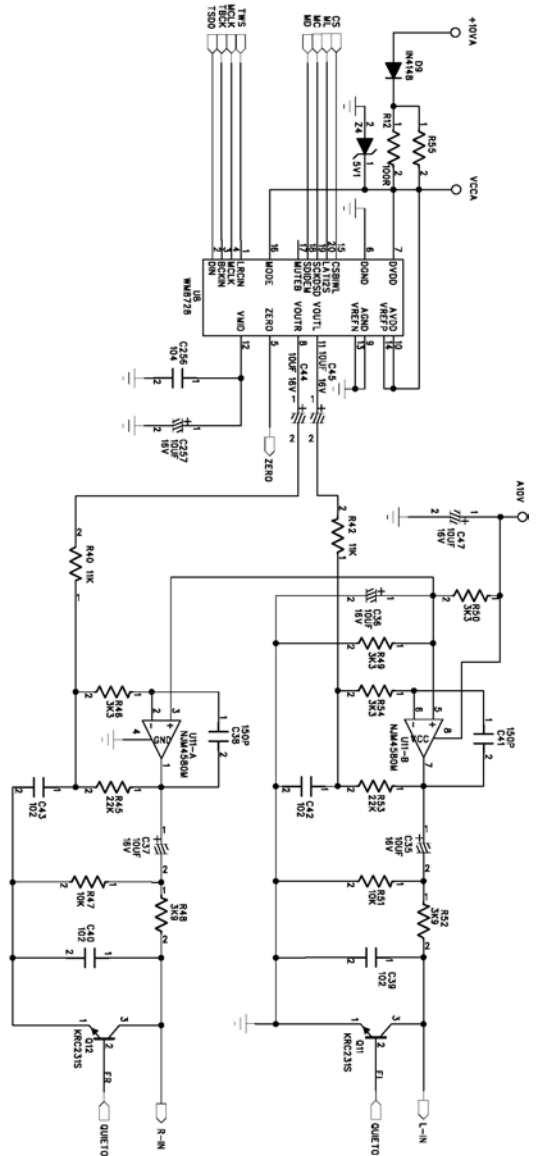
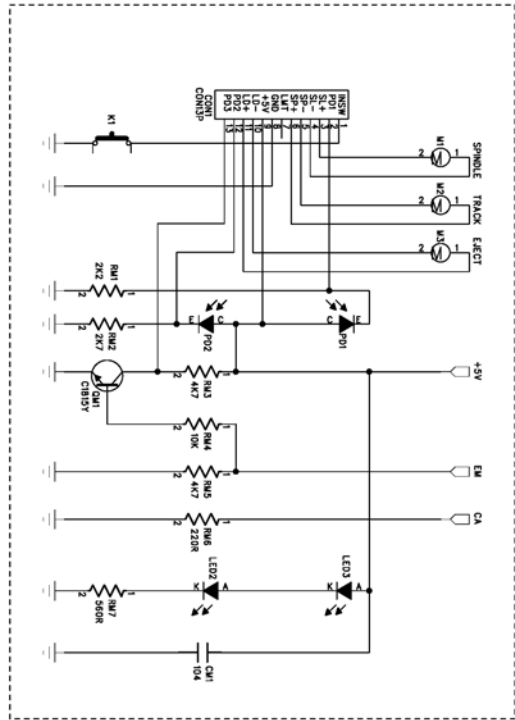
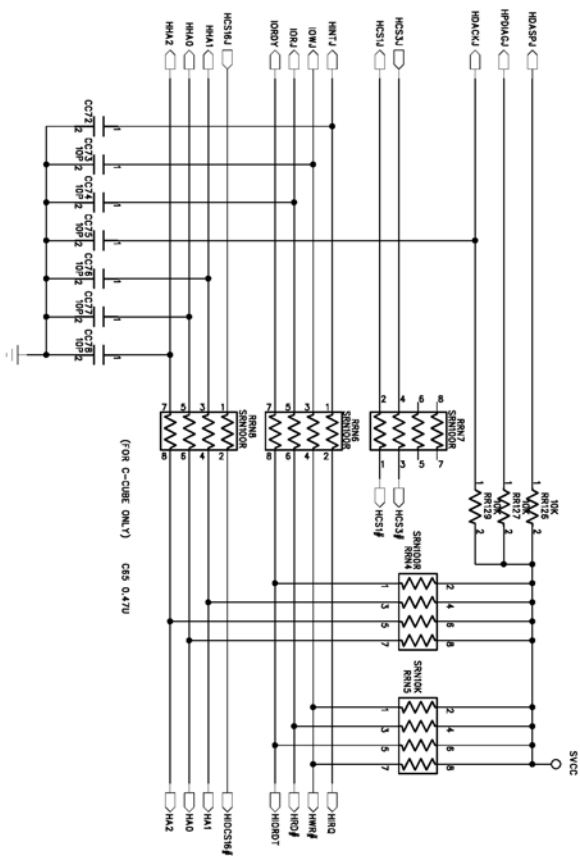
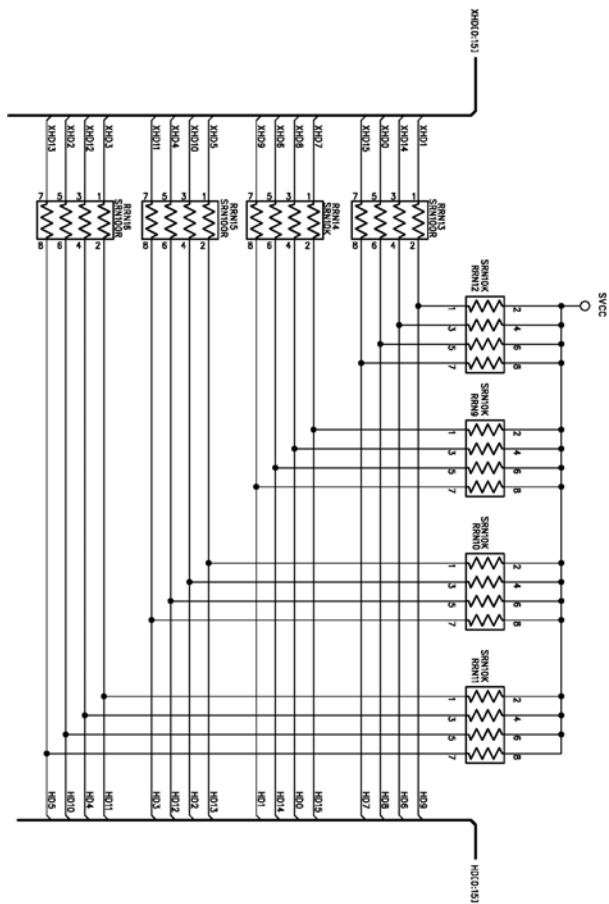
SCHEMATIC DIAGRAM (MPEG)



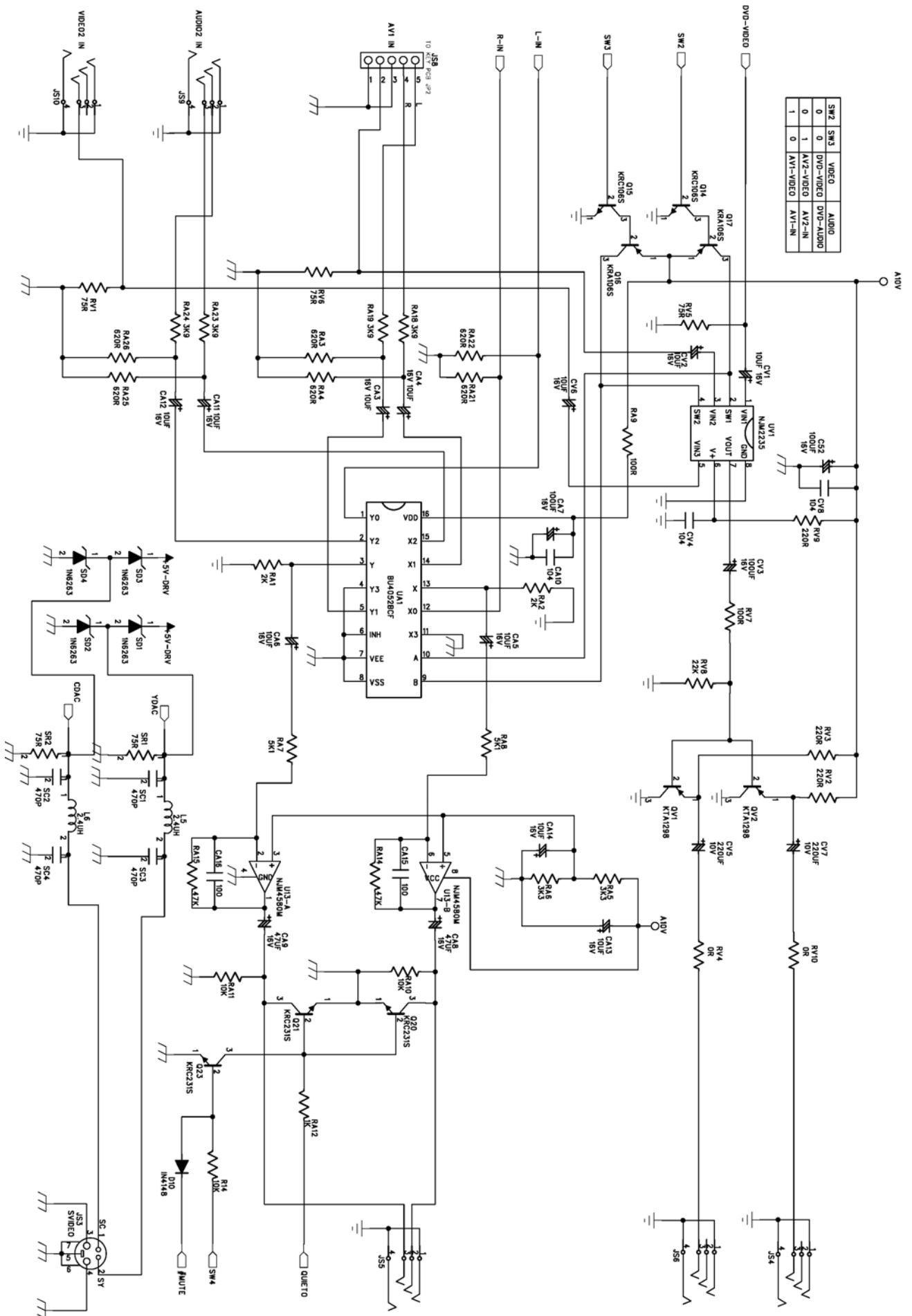
SCHEMATIC DIAGRAM (POWER)



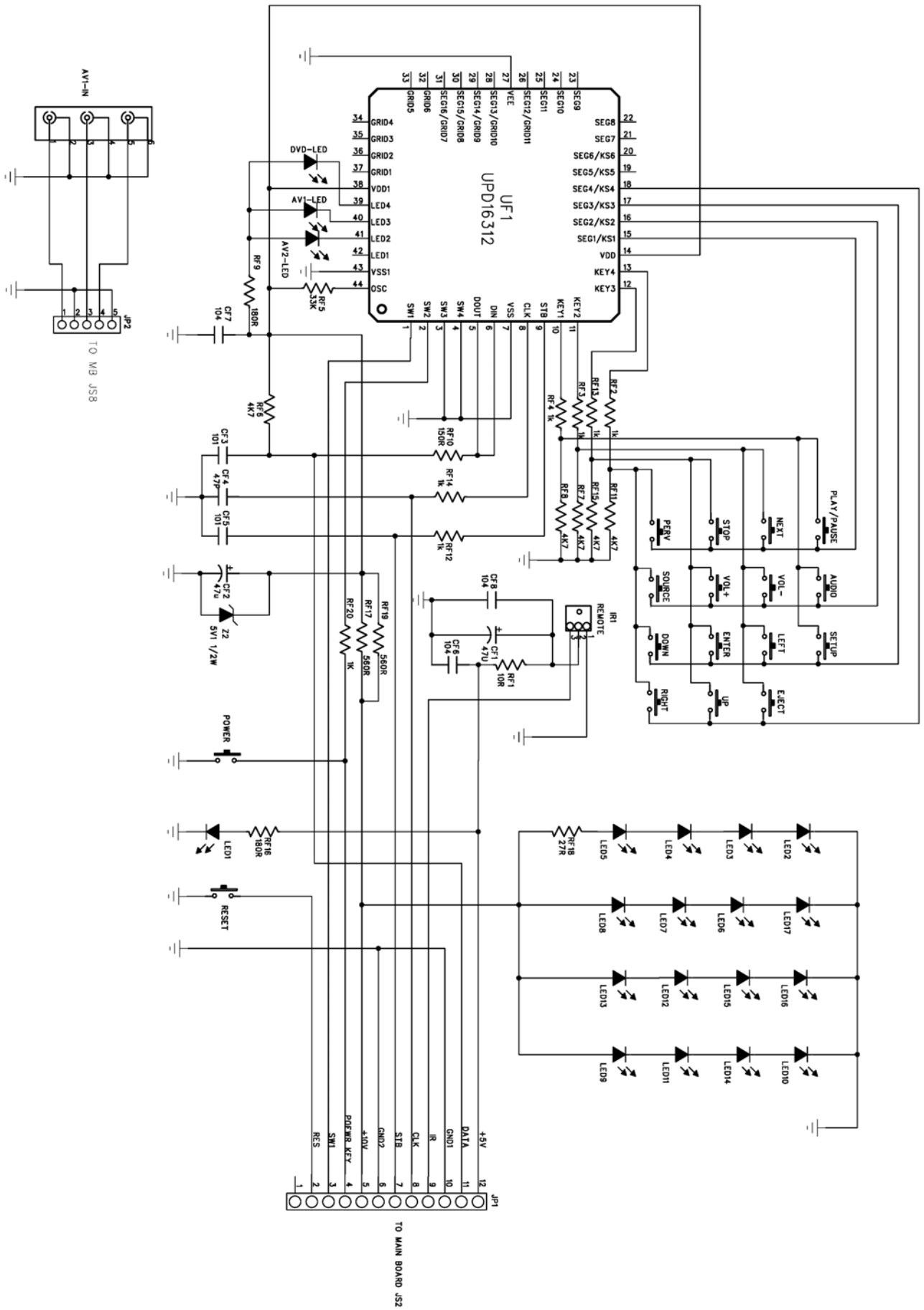
SCHEMATIC DIAGRAM (D/A)



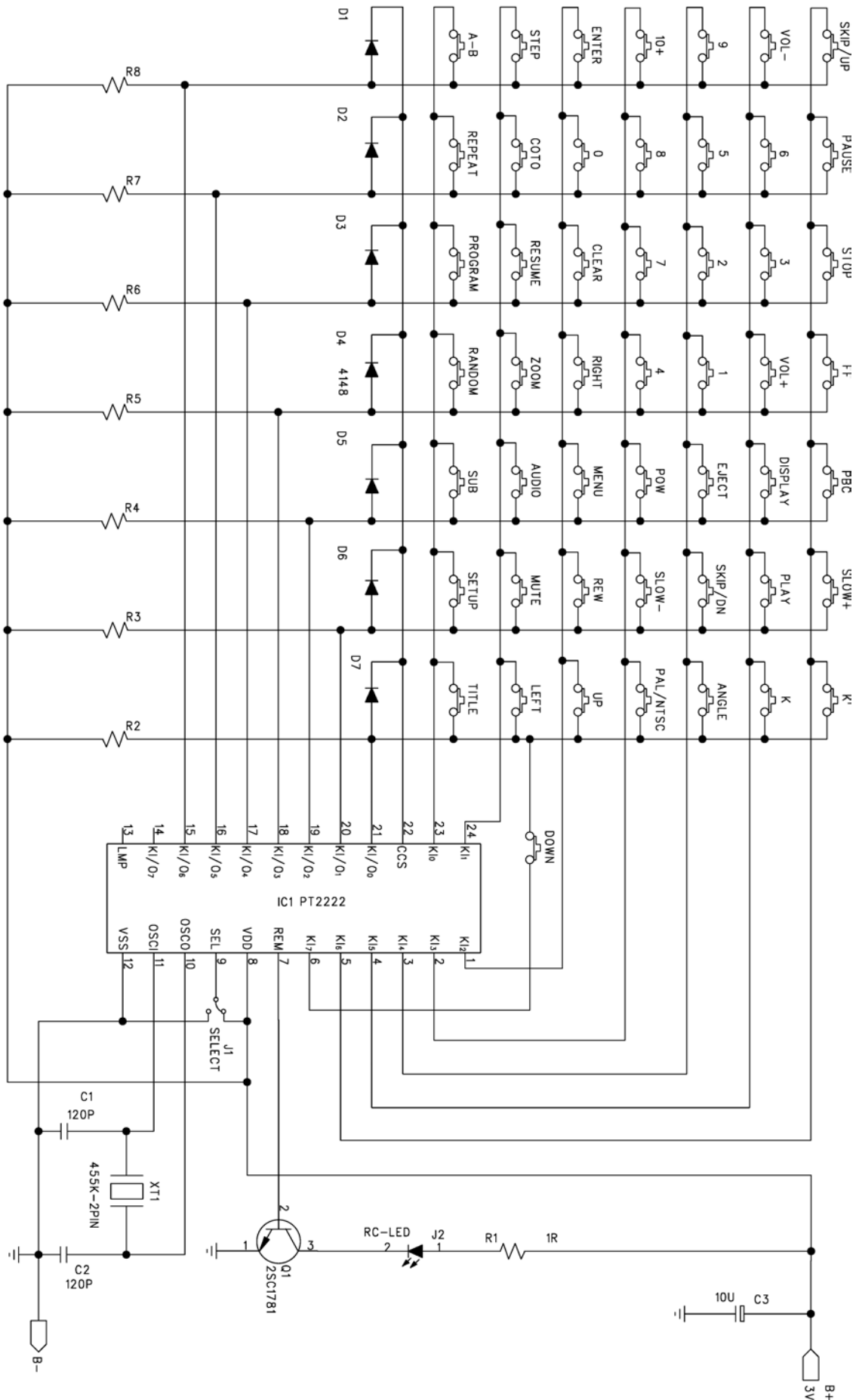
SCHEMATIC DIAGRAM (AV/POWER-IN/OUT)



SCHEMATIC DIAGRAM (KEY BOARD)



SCHEMATIC DIAGRAM (REMOTE BOARD)



ELECTRICAL PARTS LIST

Ref. No.	Parts No.	Description	Q'ty
PC BOARD ASSY, MAIN BOARD			
Q2,7,16/7/9,24/5	01-00106-00	KRA106S (SOT-23)	7
Q3,5,14/5	01-00106-10	KRC106S (SOT-23)	4
Q9,20/1	01-00231-00	KRC231S (SOT-23)	3
QQ1,2,QV1,2	01-01298-00	KTA1298 (SOT-23)	4
Q4	01-01385-00	KTA1385D-Y (DPAK)	1
Q1,8,QQ4	01-03265-00	KTC3265-Y (SOT-23)	3
Q10/3	01-04375-00	TR. KTC4375-Y (SOT-89)	2
D2	02-04001-01	CHIP IN4001 (SOD-106)	1
D4,6,7,9,10/5,DD2,3,6,8	02-04148-02	DIODE CHIP RLS4148 1206 ROHM	10
D1,3,5,8	02-05819-02	CHIP IN5819 (SOD-106)	4
ZZ1	02-50043-00R	CHIP ZENER DIODE 4.3V (LL-34)	1
Z4	02-50051-03	CHIP ZENER DIO 5.1V ±5% 0.5W (LL-34)	1
Z5	02-50091-01	CHIP ZENER DIO 9.1V ±5% 0.5W (LL-34)	1
Z1,5	02-50100-02	CHIP ZENER DIO 10V ±5% 0.5W (LL-34)	2
UU7	03-01616-00	W981616BH-7 (TSOP II-50PIN)	1
UV1	03-02235-00	IC CHIP NJM2235M JRC	1
U2	03-02401-00	EEPROM (FLAT RACK) 24C01	1
UU2	03-03721-00	SP3721A (PQFP-64PIN)	1
UA1	03-04052-03	IC CHIP BU4052BCF ROHM	1
UU4	03-04558-26	I.C. NJM-4558M	1
U11/3	03-04580-00	NJM4580M (SOP-8PIN)	2
UU1	03-05705-00	M5705 (PQFP-176PIN)	1
UU9	03-05954-00	BA5954FP (HSOP-28PIN)	1
U1	03-06008-00	ES6008 (PQFP-208PIN)	1
UU12	03-06209-00	BA6209N (SIP-10PIN) ROHM	1
U3	03-06416-00	W986416DH-6 (TSOP II-54PIN)	1
U4	03-07404-01	TC74HCU04AFN (SOL-14PIN)	1
U9	03-07805-01	REGULATOR 7805 (NJM78L05UA-TEI)	1
U8	03-08728-00	WM8728 (SSOP-20PIN)	1
U28	03-29400-15	AM29LV400BT-90 DVD201H	1
U5,7	03-34063-01	MC34063A (SOP-8PIN)	2
UU5	03-39010-00	IC W39F010P-70B (PLCC-32PIN)	1
U6	03-78153-00	IC EM78P153EP-171A DIP14	1
Y1	04-00270-00	CRYSTAL 27M (HC-49/US)	1
Y3	04-00400-02	CERAMIC RESONATOR 4MHZ	1
YY1	04-03386-00	CERAMIC ZTA33.86MX	1
CC24/6,73~78	05-63100-00	CHIP CAP 10PF ±5% NPO 0603 SMT	8
CC46,82/5,CA15/6	05-63101-00	CHIP CAP 100PF ±5% NPO 0603 SMT	5
CC11,21/2,47,C39,40/2/3	05-63102-01	CHIP CAP 1000PF ±10% X7R 0603 SMT	8
B6~9,11/3/5~30/4~7,41/5/6,57/9,C19 22,128,191,230/2,246/7/56,CC3,6,7 7,9,10/2/9,30	05-63104-02	CHIP CAP 0.1μF ±20% X7R 0603 SMT	93

ELECTRICAL PARTS LIST - CONTINUED

Ref. No.	Parts No.	Description	Q'ty
C38,41	05-63151-00	CHIP CAP 150PF ±5% NPO 0603 SMT	2
C249	05-63200-00	CHIP CAP 20PF ±5% NPO 0603 SMT	1
C20/1,248	05-63330-00	CHIP CAP 33PF ±5% NPO 0603 SMT	3
C3,9,CC8,59	05-63470-00	CHIP CAP 47PF ±5% NPO 0603 SMT	4
C196/7,CC16/7	05-63471-00	CHIP CAP 470PF ±5% NPO 0603 SMT	4
CC86	05-63472-00	CHIP CAP 4700P ±10% X7R 0603 SMT	1
C8,23,CC2,15,43	05-63473-00	CHIP CAP 0.047μF ±10% X7R 0603 SMT	5
C7,CC14,64/7	05-63474-02	CHIP CAP 0.47μF ±20% X7R 0603 SMT	4
CC4	05-63561-00	CHIP CAP 560PF ±5% NPO 0603 SMT	1
CC35,41,42/4/5	05-63681-00	CHIP CAP 680PF ±5% NPO 0603 SMT	5
CC13	05-63682-01	CHIP CAP 6800PF ±10% X7R 0603 SMT	1
CV5,7	06-10227-02E	E. CAP 220μF/10V (Ø8X7) ±20% ELNA	2
C6,35~7,44~6,257,B14,CA3~6,13/4, CV1,2,6,CA11/2	06-16106-02	E. CAP 10μF 16V (Ø3.5X5MM)	20
C13/5,25,52,226/7,CC18,83,CA7,CV3	06-16107-04	E. CAP 100μF 16V (Ø6X5MM)	10
C4,5,14	06-16108-00	E. CAP 1000μF 16V (Ø10X15MM)	3
CC33,50,91,CA8,9	06-16476-02	E. CAP 47μF 16V (Ø6.3X5MM)	5
C1,10~2/7/8,CC1,5,29,55/8,116/8,122/ 3,B1,10/2,31~3/9,40/2/7,56,61	06-63227-01	E. CAP 220μF 6.3V (Ø6X5MM)	27
CC33,50,91,CA8,9	06-63476-00	E. CAP 47μF/6.3V Ø5X5MM	5
RR30/3	07-05100-54	CHIP RES 10Ω 1/10W	2
RR21/3,RV4,10,R21,56/8,R3V	07-63000-00	CHIP RES 0Ω 0603 SMT	8
R19,RR29,37	07-63100-00	CHIP RES 10Ω ±5% 0603 SMT	3
R11/2/6,RR66/8,RA9,RV7	07-63101-00	CHIP RES 100Ω ±5% 0603 SMT	7
RRN6~8,13~16	07-63101-04	CHIP CN34JT 100Ω (0603X4 SMT)	7
RA12	07-63102-00	CHIP RES 1kΩ ±5% 0603 SMT	2
R14,47,51185/7/8,RR4,15,26,40/2,51, 3,102,126/7/9,RR24/8,RA10/1	07-63103-00	CHIP RES 10kΩ ±5% 0603 SMT	21
RRN4,5,9~12	07-63103-04	CHIP CN34JT 10kΩ (0603X4 SMT)	6
R43,304,RR2,3,27,50	07-63104-00	CHIP RES 100kΩ ±5% 0603 SMT	6
R40/2	07-63113-00	CHIP RES 11kΩ ±5% 0603 SMT	2
RR1,6,38/9	07-63122-00	CHIP RES 1.2kΩ ±5% 0603 SMT	4
R181	07-63122-01	CHIP RES 1.2kΩ ±1% 0603 SMT	1
R178	07-63151-00	CHIP RES 150Ω ±1% 0603 SMT	1
RR49	07-63152-00	CHIP RES 1.5kΩ ±5% 0603 SMT	1
R184	07-63182-00	CHIP RES 1.8kΩ ±1% 0603 SMT	1
RA1,2	07-63202-00	CHIP RES 2kΩ ±1% 0603 SMT	2
R186,189,RR9,70/2,95	07-63203-00	CHIP RES 20kΩ ±5% 0603 SMT	6
RV2,3,9	07-63221-00	CHIP RES 220Ω ±5% 0603 SMT	3
R192,RR19	07-63222-01	CHIP RES 2.2kΩ ±5% 0603 SMT	2

ELECTRICAL PARTS LIST - CONTINUED

Ref. No.	Parts No.	Description	Q'ty
RV8,R45,53	07-63223-00	CHIP RES 22kΩ ±5% 0603 SMT	3
R296	07-63271-00	CHIP RES 270Ω ±5% 0603 SMT	1
R44,RR18,98	07-63330-00	CHIP RES 33Ω ±5% 0603 SMT	3
R12~4,20,46/9,50/4,101,RA5,6	07-63332-00	CHIP RES 3.3kΩ ±5% 0603 SMT	11
RR93/4/7	07-63333-00	CHIP RES 33kΩ ±5% 0603 SMT	3
R180,191	07-63362-01	CHIP RES 3.6kΩ ±1% 0603 SMT	2
R20/3,48,52,RA18/9,23/4	07-63392-00	CHIP RES 3.9kΩ ±1% 0603 SMT	8
R20	07-63393-00	CHIP RES 39kΩ ±1% 0603 SMT	1
R1,3~7,10/8,299,RR7,11/6,22,67	07-63472-00	CHIP RES 4.7kΩ ±5% 0603 SMT	14
RR17,96,100,RA14/5	07-63473-00	CHIP RES 47kΩ ±5% 0603 SMT	5
RR54	07-63474-00	CHIP RES 470kΩ ±5% 0603 SMT	1
R165,RR5,25,32,41,RA7,8	07-63512-00	CHIP RES 5.1kΩ	7
RR10	07-63513-00	CHIP RES 51kΩ ±5% 0603 SMT	1
RA3,4,21/2/5/6	07-63621-00	CHIP RES 620Ω ±1% 0603 SMT	6
R64,179,RV1,5,6	07-63750-00	CHIP RES 75Ω ±5% 0603 SMT	5
R167	07-63821-00	CHIP RES 820Ω ±5% 0603 SMT	1
RR31,53	07-63822-01	CHIP RES 8.2kΩ ±1% 0603 SMT	2
RR104/5/7/8	07-85010-00	CHIP RES 1Ω ±5% 0805 SMT	4
L12	09-00270-00	CHIP SGMI1608M2R7KT	1
FB1,3,5~9,FB2	09-00601-00	CHIP BGH2012B601LB	8
L184/5/7	09-03315-00	SL0805-3R3M1R5	3
L1,180~2	09-10190-00	SL0805-101KR90	4
L183/6	09-22113-00	CDRH125-221M1R3	2
	11-02013-007	DVD-2013H MB 144.9X170.2X1.2MM	1
JS1	16-00035-04	Ø3.5MM JACK (4PIN) W/SW	1
JS5,9	16-00035-10	Ø3.5MM JACK 4PIN BLACK	2
JS4,6,10	16-00035-20	Ø3.5MM JACK 4PIN YELLOW	3
JS7	16-00035-30	Ø3.5MM JACK 4PIN ORANGE	1
JS12	25-00171-22	2PIN DC IN SOCKET	1
JS11	25-00174-03	Ø3.5MM DC OUT SOCKET	1
JS2	25-08360-12	CON CHIP 12PIN P=1.0MM FPC TOP	1
CN2	25-08360-13A	CON CHIP 13PIN P=1.0MM FPC TOP	1
CN1	25-08360-24A	CON CHIP 24PIN P=0.5MM FPC TOP	1
JS8	25-24184-05	WAFER FOR 5PIN JST 2.0	1
PC BOARD ASSY, KEY BOARD			
LEF1~16	02-01112-00F.	SMD LED PG1112H GREEN "STANLEY"	16
DVD-LED,AV1-LED,AV2-LED	02-30000-02K	LED Ø3MM RED (KT-RS3CR2P1)	3
Z2	02-50051-00	ZENER DIODE 5.1V 0.5W	1
UF1	03-06312-00	IC PT6312LQ ANGUS	1

ELECTRICAL PARTS LIST - CONTINUED

Ref. No.	Parts No.	Description	Q'ty
CF3,5	05-63101-00	CHIP 100PF $\pm 5\%$ NPO 0603 SMT	2
CF6~8	05-63104-02	CHIP CAP 0.1 μ F $\pm 20\%$ Y5V 0603 SMT	3
CF4	05-63470-00	CHIP 47PF $\pm 5\%$ NPO 0603 SMT	1
CF1,2	06-10476-01	E. CAP 47 μ F 10V ($\varnothing$ 4X7 MINI)	2
RJ3	07-05470-00	RES 47 Ω 1/4W	1
RF1	07-63100-00	CHIP RES 10 Ω $\pm 5\%$ 0603 SMT	1
RF2~4,12~4,20	07-63102-00	CHIP RES 1k Ω $\pm 5\%$ 0603 SMT	7
RF10	07-63151-00	CHIP RES 150 Ω $\pm 5\%$ 0603 SMT	1
RF9,16	07-63181-00	CHIP RES 180 Ω $\pm 5\%$ 0603 SMT	2
RF5	07-63333-00	CHIP RES 33k Ω $\pm 5\%$ 0603 SMT	1
RF18	07-63470-00	CHIP RES 47 Ω $\pm 5\%$ 0603 SMT	1
RF6~8,11/5	07-63472-00	CHIP RES 4.7k Ω $\pm 5\%$ 0603 SMT	5
RF17/9	07-63561-00	CHIP RES 560 Ω $\pm 5\%$ 0603 SMT	2
	11-02013-337	DVD2013 KB D/S 171X44X1.2MM	1
	16-01107-00K	TACT SW. DCT/1101 4.3MM 2 PIN	17
AV-IN	25-01712-03	AV INPUT BASE	1
JP1	25-02010-12	CON CHIP 12PIN P=1.0MM FPC TOP SOCKET	1
IR1	29-01201-00	IR RECEIVER GP1UM261XK (SHARP)	1
PC BOARD ASSY, REMOTE BOARD			
Q1	01-01781-18	TR. 2SD1781K-R "ROHM"	1
	02-00120-00	IR EMITIER DIODE MIE-544A4	1
D4	02-04148-02	DIODE CHIP RLS4148 1206 ROHM	1
IC1	03-02222-00	IC PT2222-001 SOP ANGUS	1
C1,2	05-63121-00	CHIP CAP 120P $\pm 5\%$ NPO 0603 SMT	2
C3	06-06476-02	E. CAP 47 μ F 6.3V ($\varnothing$ 5X5MM)	1
R1	07-05010-54	CHIP RES 1 Ω 1/10W	1
XT1	09-50455-05	CER RESONATOR CSB-455E "MURATA"	1
	12-00172-817	PCB RC-12 REM 164X47	1

SPECIFICATIONS

Current Consumption.....	Less than 2.0A
Signal System.....	Competitive video 1.0Vp-p 75Ω RCA pin jack
Audio Output level	600Ω (2CH 2.0Vrms)
Audio signal output	
Characteristics:	
Frequency response	20 Hz - 20 kHz
S/N Ratio.....	90 dB (JIS)
Wow and flutter	Below Measurable Limits

Note:

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