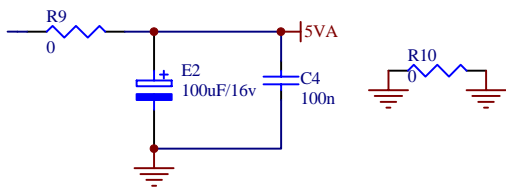
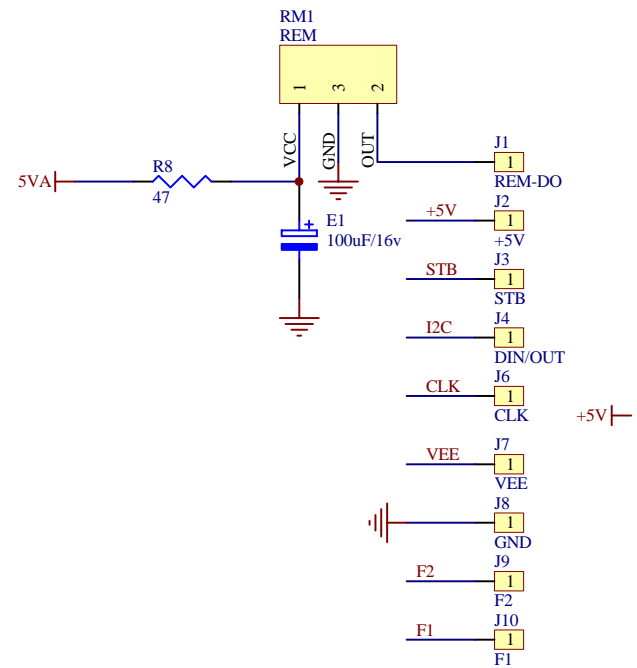
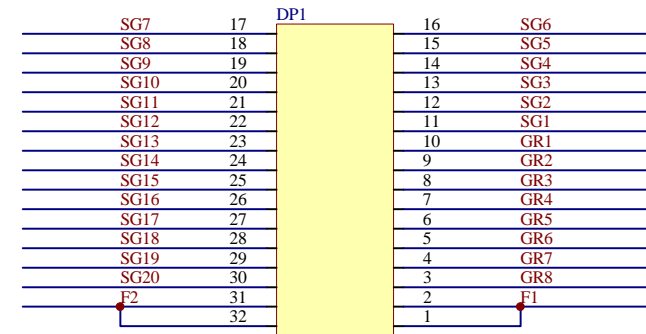
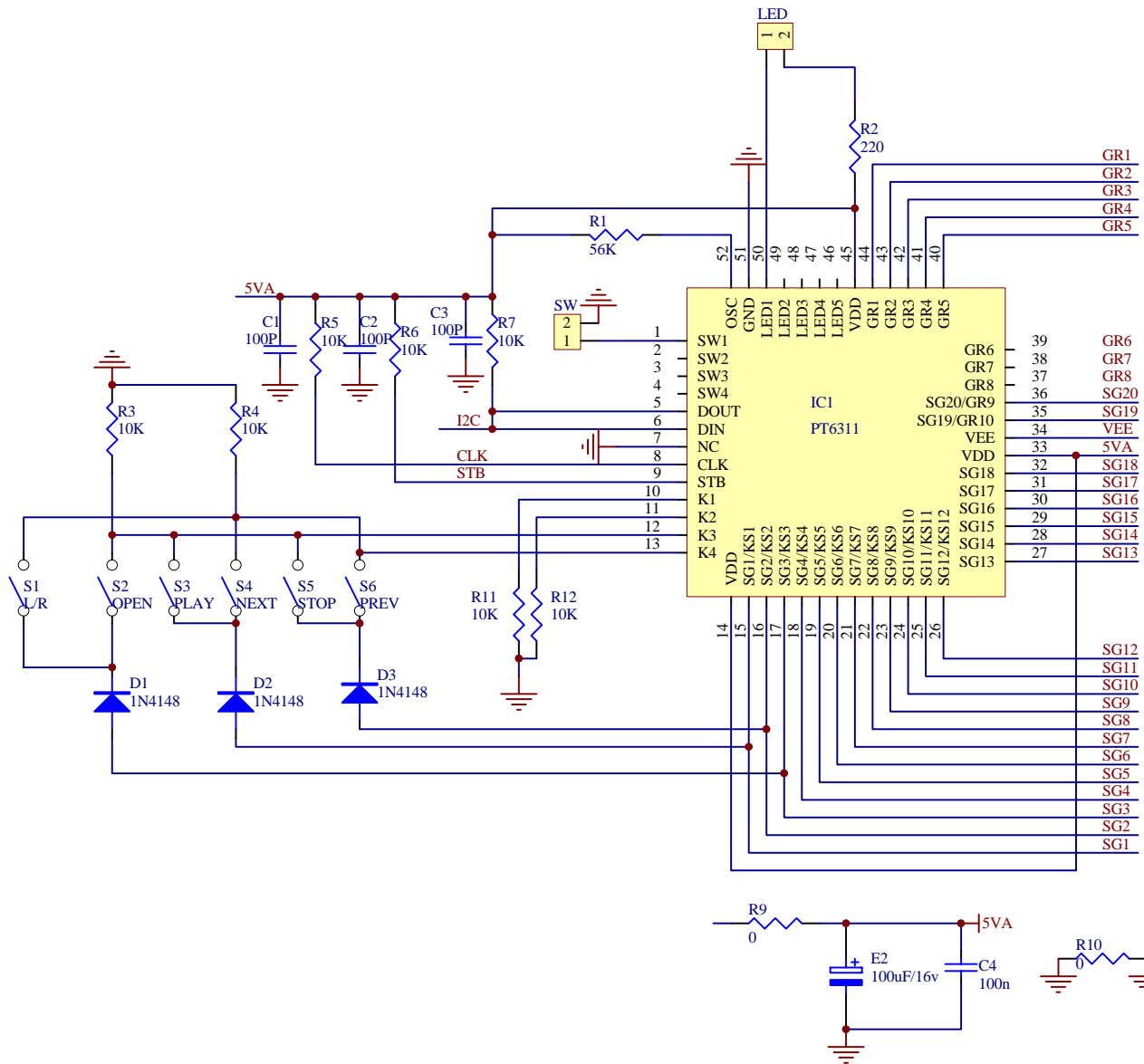




**DVD-5115PSPK**

**Service Manual - DVD-5115PSPK**

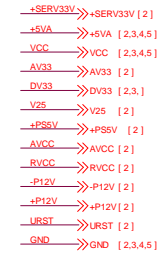
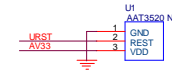
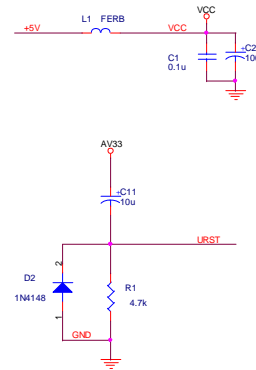
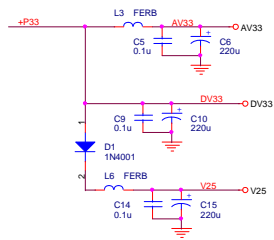
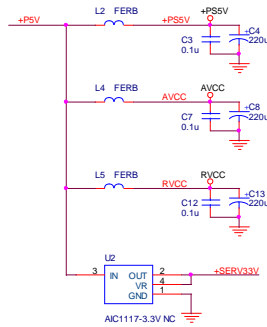
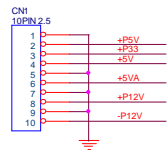


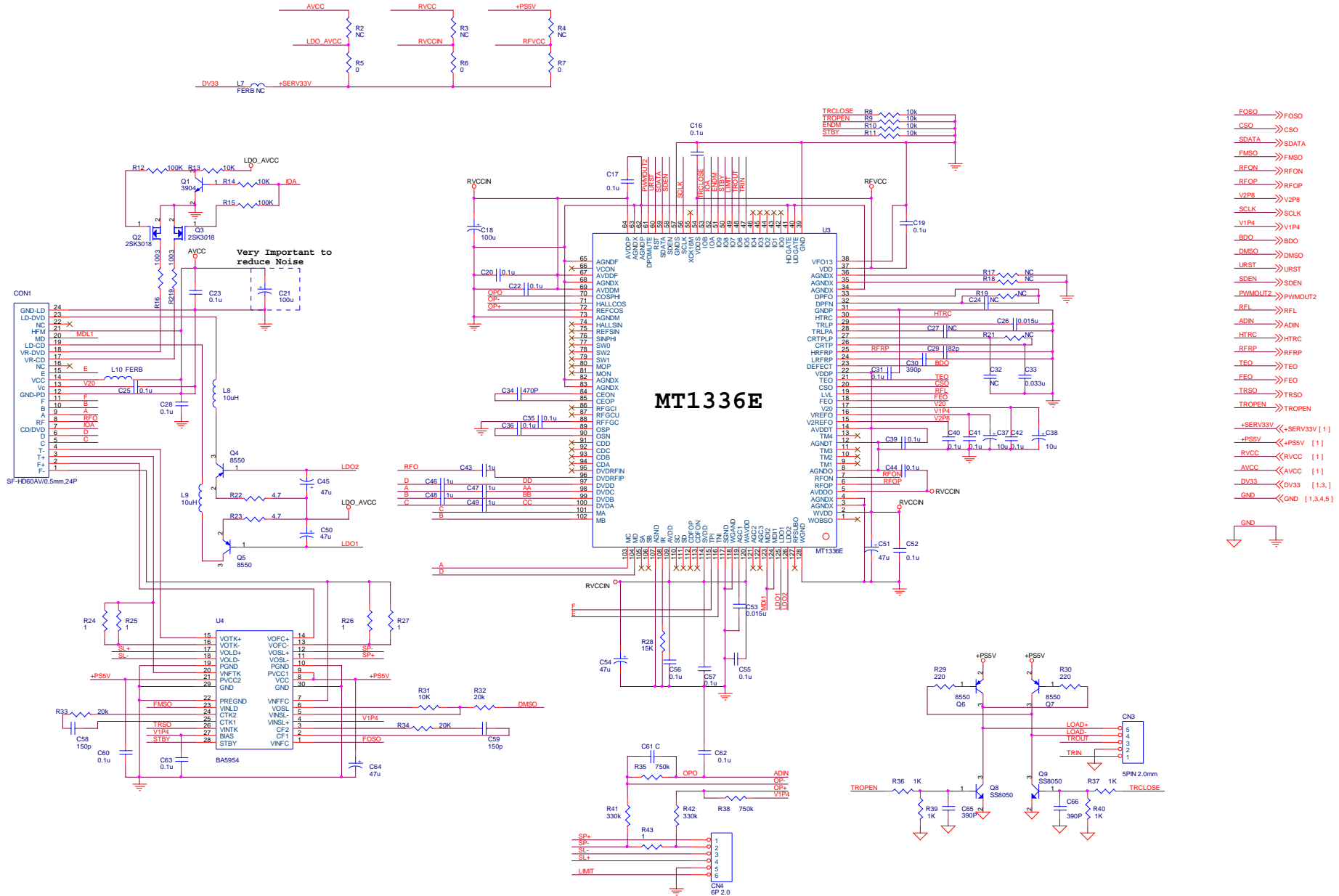


- 1 INDEX & POWER, RESET
- 2 RF / SERVO - MT1336E
- 3 MPEG - MT1379E
- 4 MEMORY , SDRAM , VIDEO FILTER AND OUTPUT

NAME	TYPE	DEVICE
VCC	Digital 5V	SUPPLY
RVCC	Servo 5V	MT1336E
AVCC	RF 5V	PICKUP HEADER
V33	Digital 3.3V	SDRAM, Flash, VideoDAC
DV33	Digital 3.3V	MT1379E
AV33	Servo 3.3V	MT1379E
V25	Digital 2.5V	MT1379E
+5VA	Audio 5V	Audio DAC
+5VV	Video 5V	Video filter

NAME	TYPE
GND	Digital Ground
SGND	Servo Analog Ground
AGND	Audio Ground
VGND	Video Ground







[2] DCLK >> DCLK  
 [2] DCKE >> DCKE  
 [2] CAS# >> CAS#  
 [2] RAS# >> RAS#  
 [2] WE# >> WE#  
 [2] CS# >> CS#

[2] MA[0..1] >> MA[0..1]  
 [2] BA[0..1] >> BA[0..1]  
 [2] DQ[0..15] >> DQ[0..15]  
 [2] DQM[0..1] >> DQM[0..1]

[2] PCE# >> PCE#  
 [2] PRD# >> PRD#  
 [2] PWR# >> PWR#

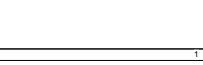
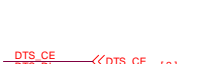
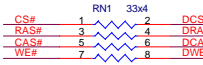
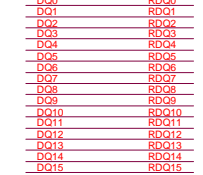
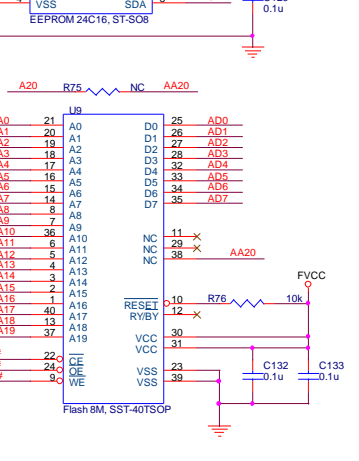
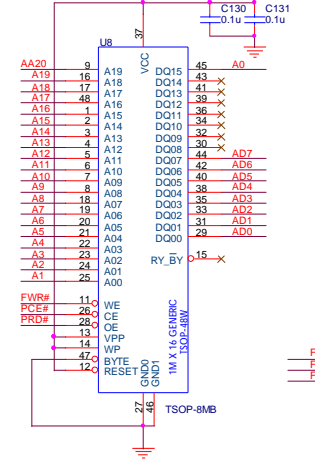
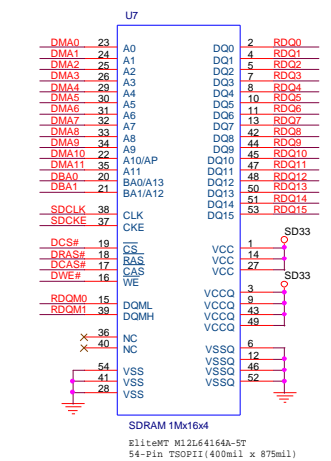
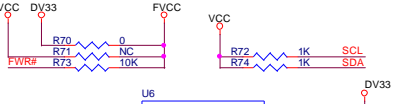
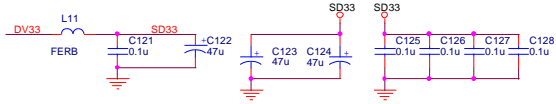
[2] A[0..20] >> A[0..20]

[2] AD[0..7] >> AD[0..7]

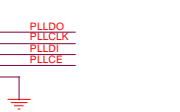
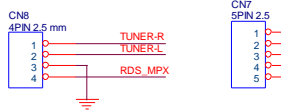
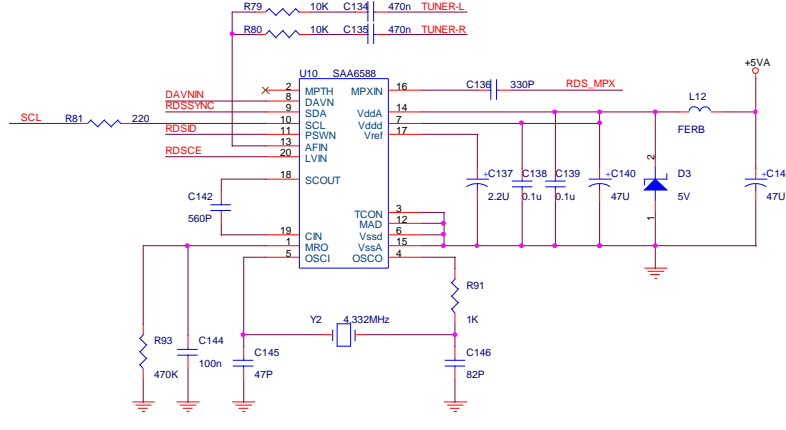
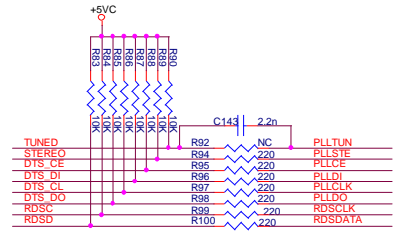
[2.4] SCL >> SCL  
 [2.4] SDA >> SDA

PCE# >> FCE#  
 FRD# >> FWR#  
 PWR# >> FWR#

[1,2] +5VA >> +5VA  
 [1,2,4,5] VCC >> VCC  
 [1,2,4,5] DV33 >> DV33  
 [1,2,4,5] GND >> GND



PLL1TUN >> RDSCE  
 PLL1STE >> RDSID  
 RDSCLK >> RDSYNV  
 RDSDATA >> DAVNN







[1] +P12V >> +5V  
[1,2,3,4] VCC >> VCC

[3] HSYN >> HSYN  
[3] VSYN >> VSYN  
[3] Y1C >> Y1C  
[3] Y2/Y >> Y2/Y  
[3] Y4/GY >> Y4/GY  
[3] Y3/CVBS >> Y3/CVBS  
[3] Y4/GY >> Y4/GY  
[3] Y5/BU >> Y5/BU  
[3] Y6/RV >> Y6/RV  
[3] ASPDF >> ASPDF

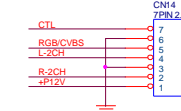
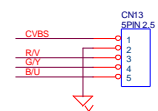
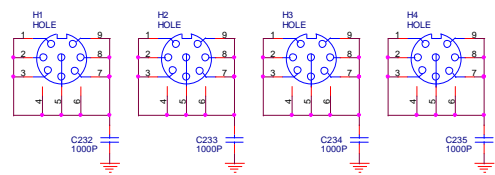
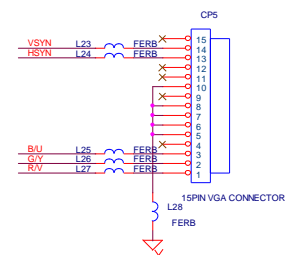
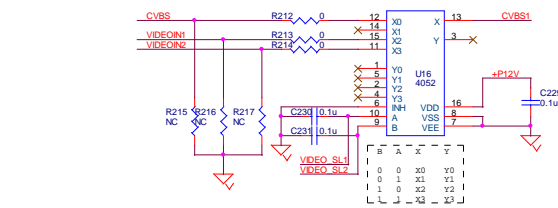
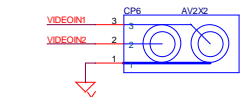
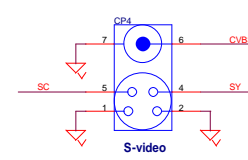
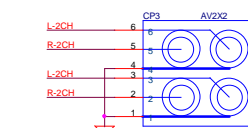
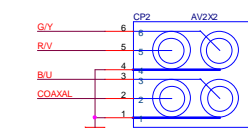
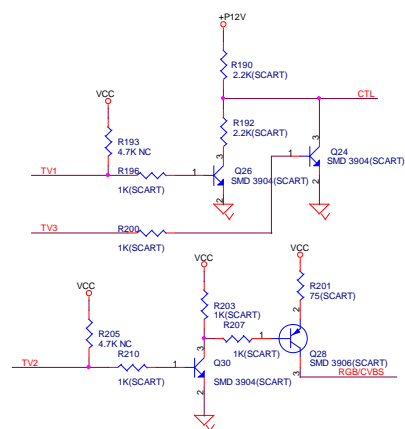
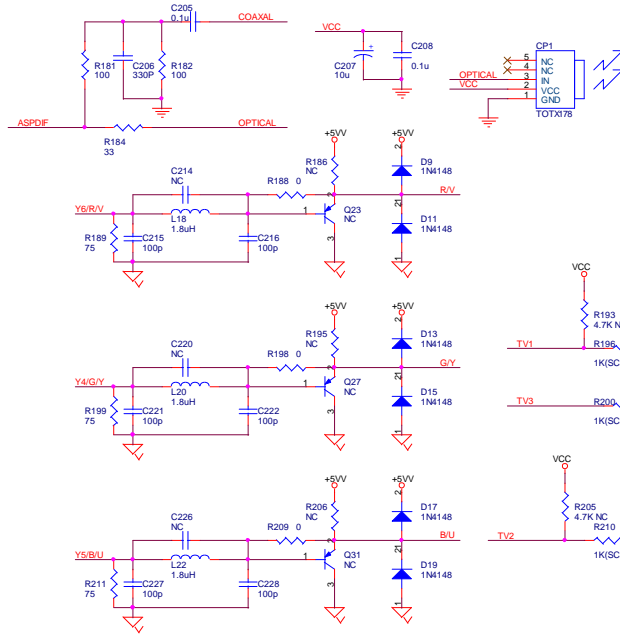
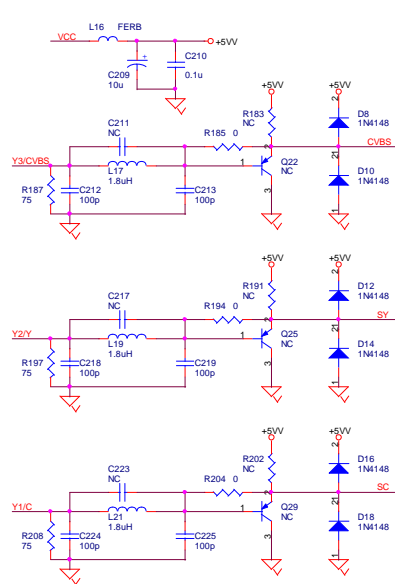
[3] L-2CH >> L-2CH  
[3] R-2CH >> R-2CH

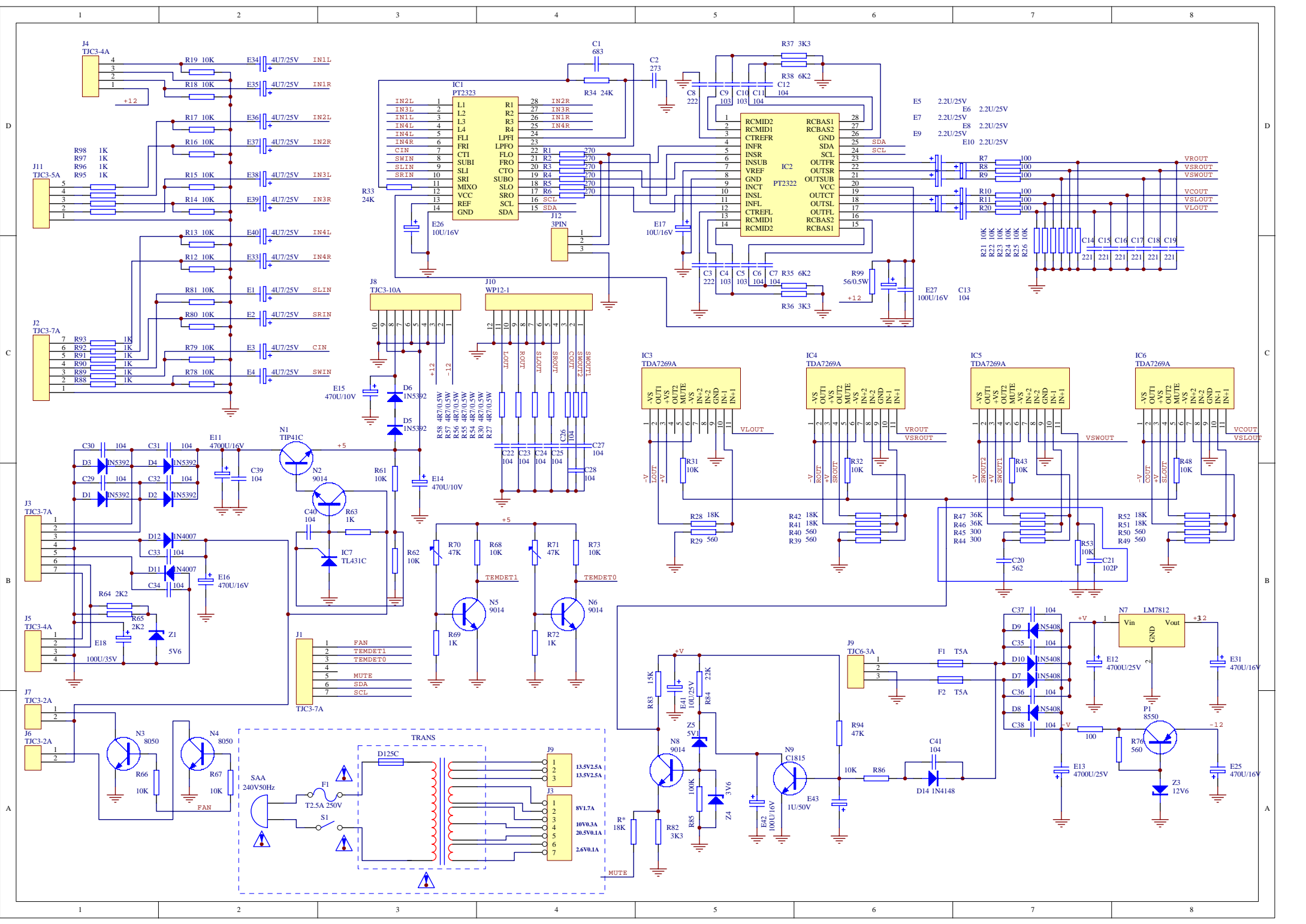
[1,2,3,5] GND >> GND

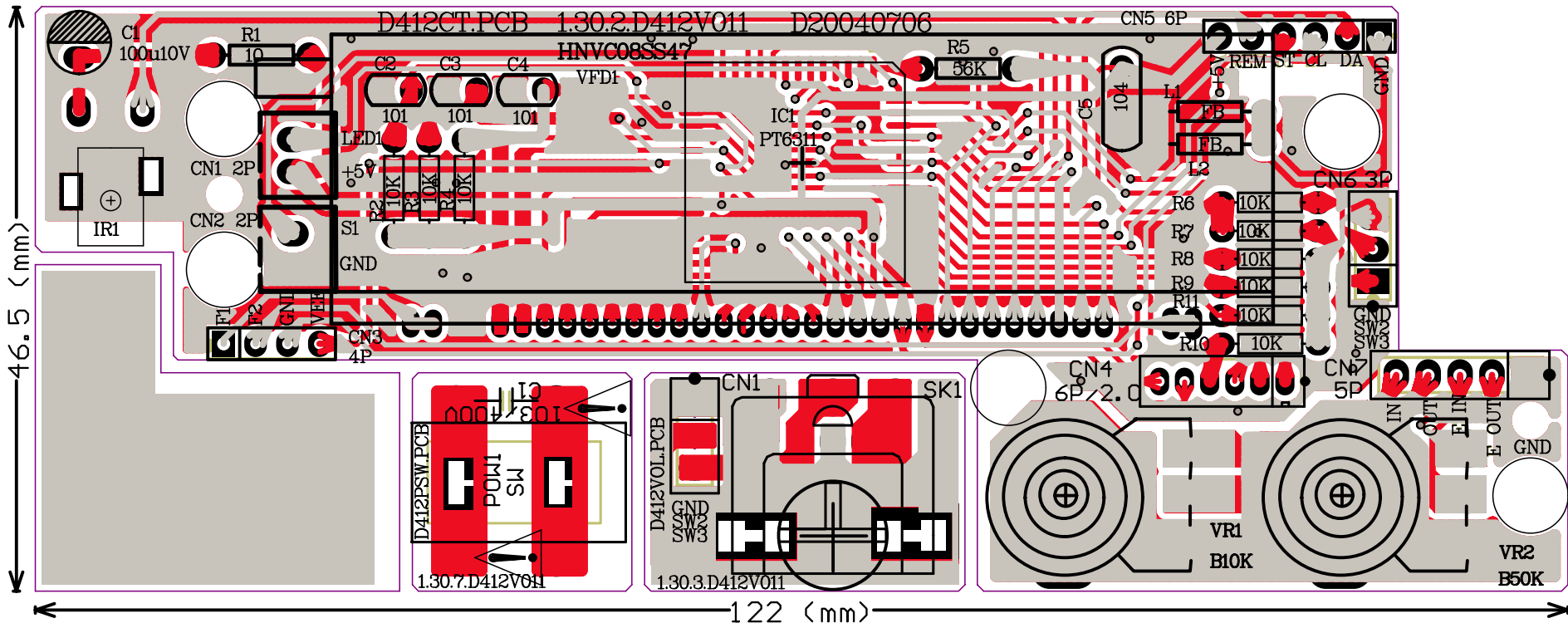
GND >> VGND

[2] TV1 >> TV1  
[2] TV2 >> TV2  
[2] TV3 >> TV3  
HSYN >> HSYN  
VSYN >> VSYN

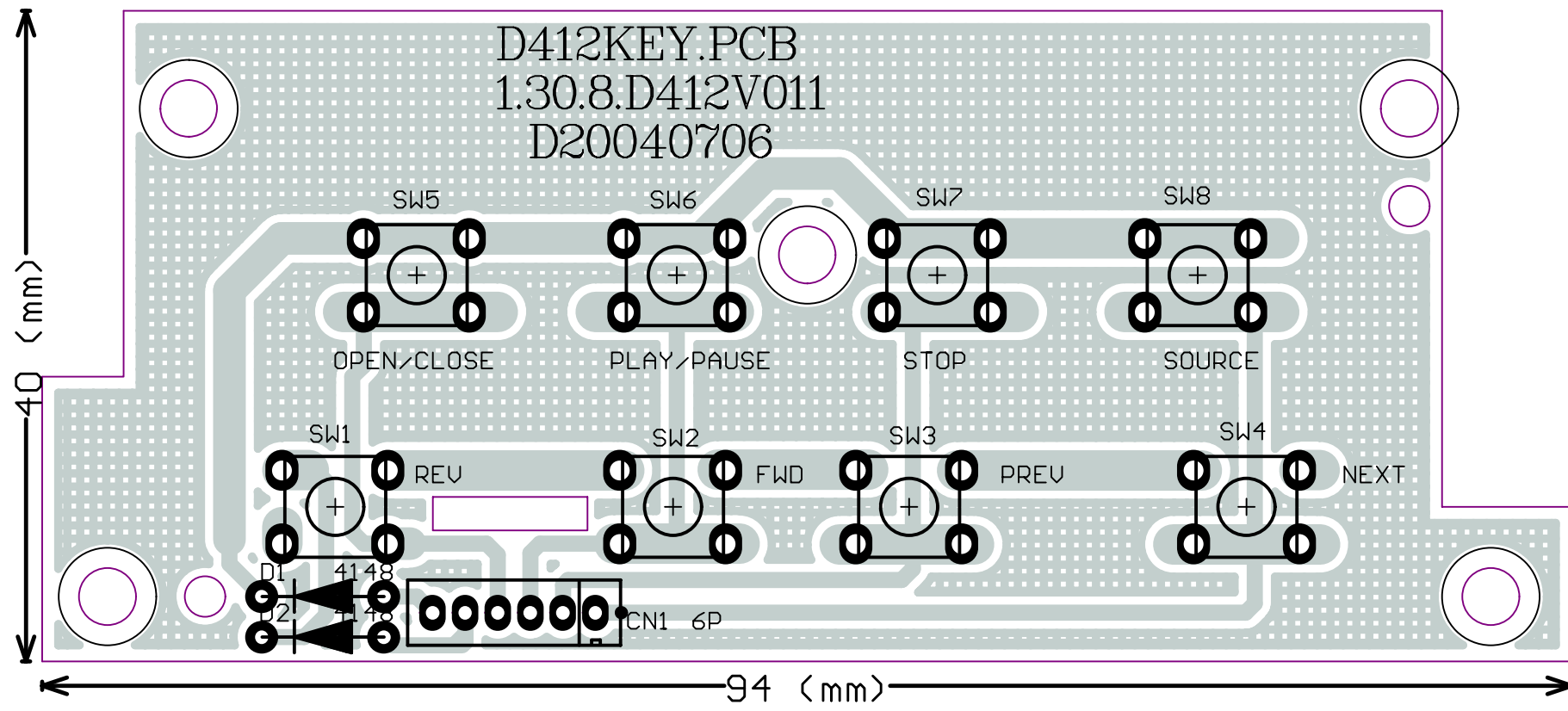
[3] VIDEO\_SL1 >> VIDEO\_SL1  
[3] VIDEO\_SL2 >> VIDEO\_SL2



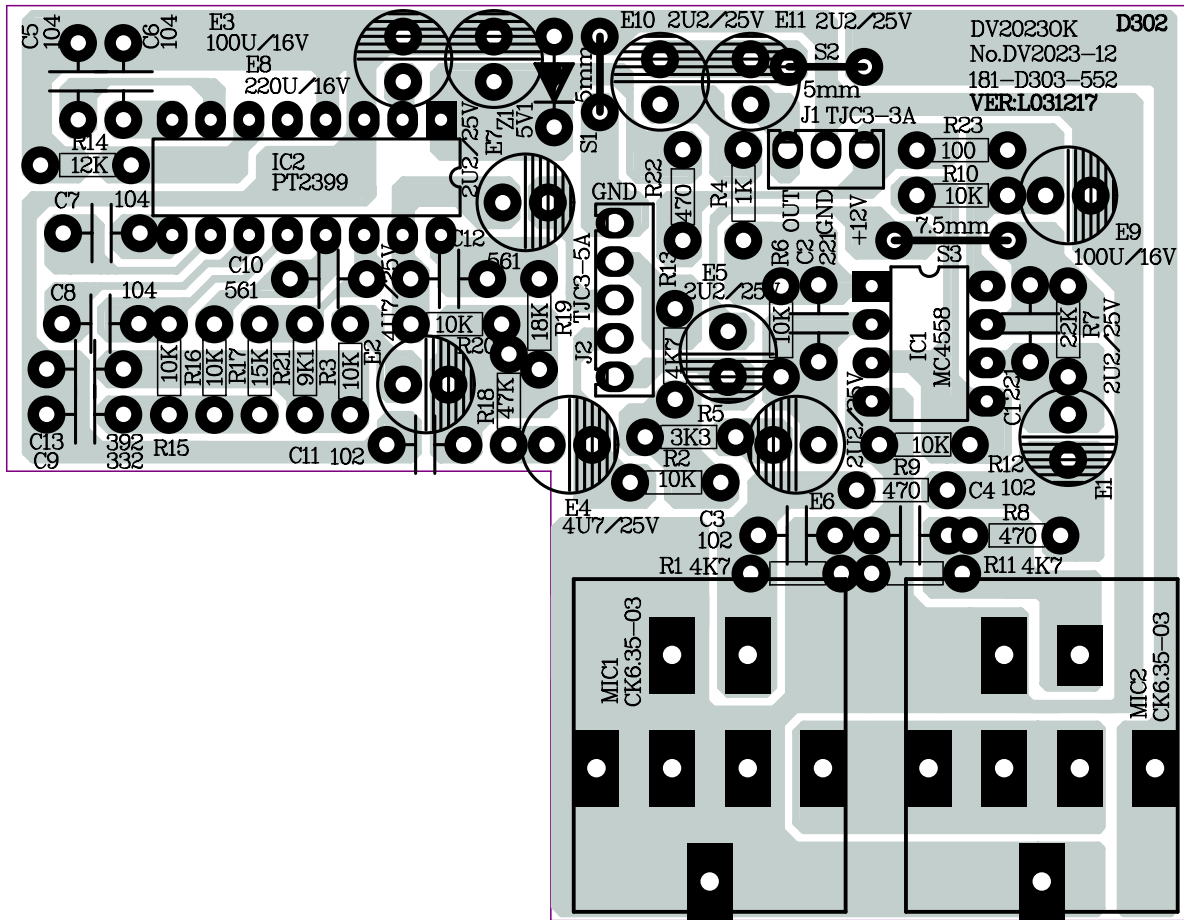


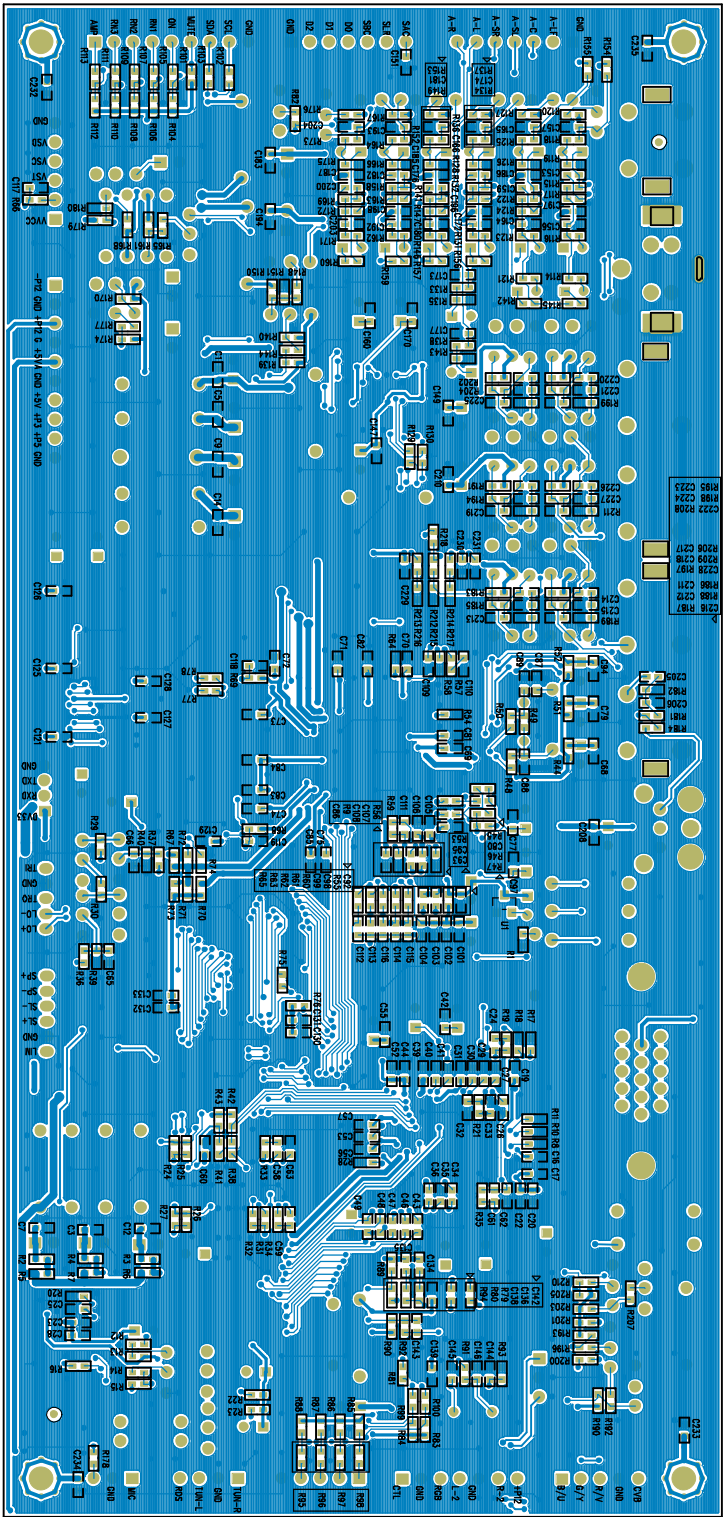


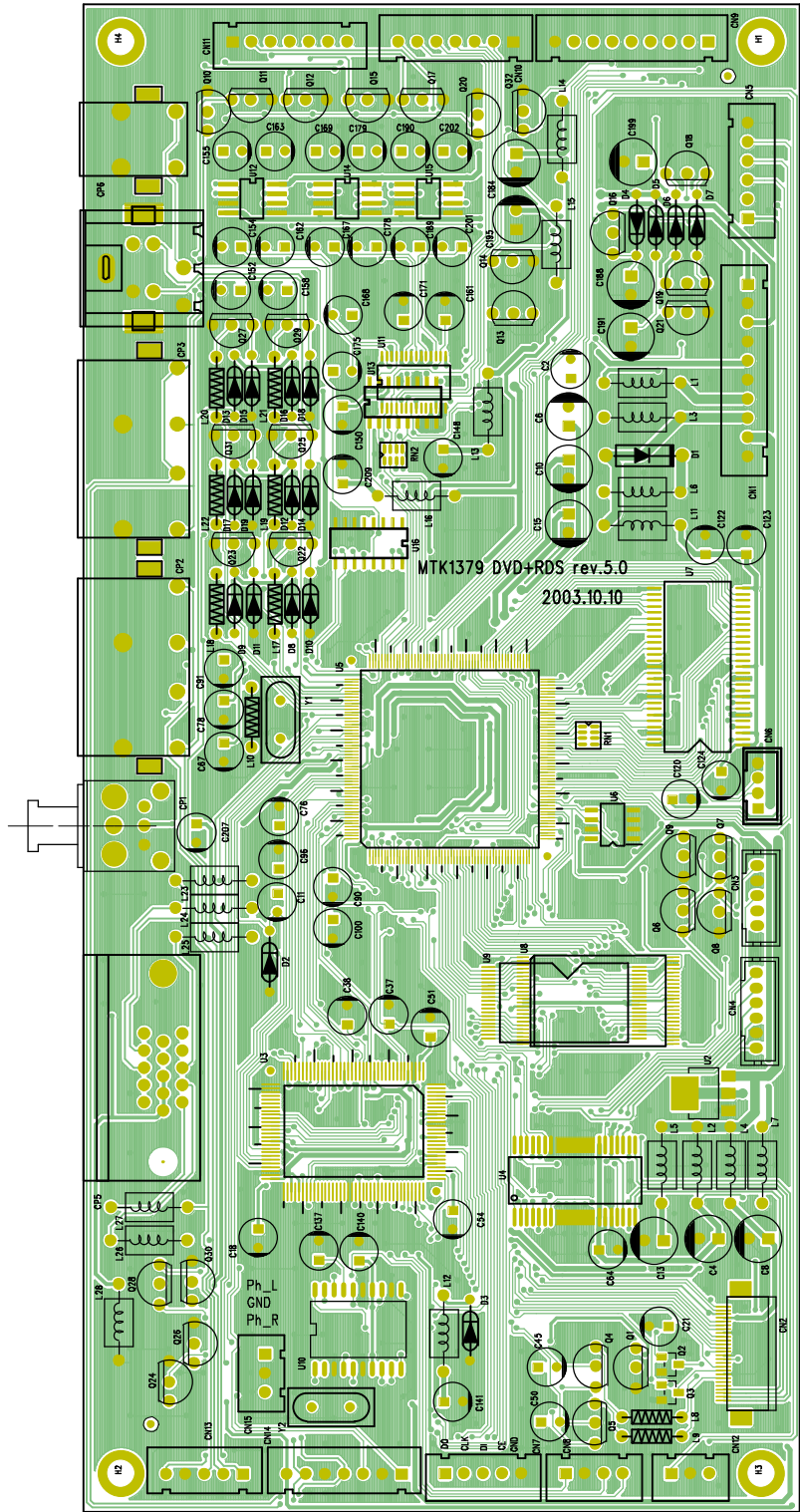
D412KEY.PCB  
1.30.8.D412V011  
D20040706



SIZE:78\*60.5MM

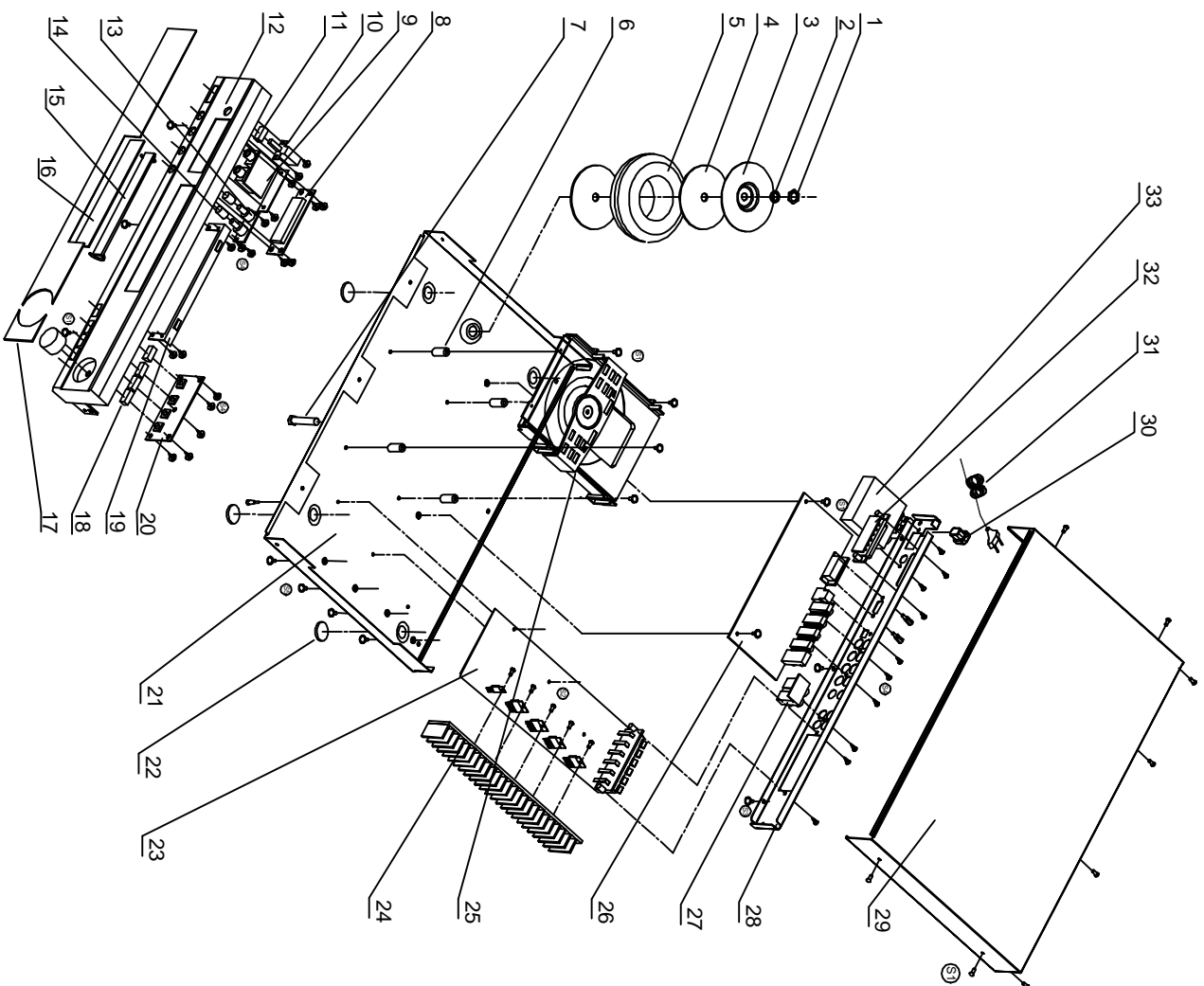












Item	Description	Qty	Item	Description	Qty
30	PLASTIC NIP	1			
29	COVER	1			
28	BACKBOARD	1			
27	RCA	1			
26	INPUT ASSY	1			
25	Mechanism Assy	1			
24	RADIATOR	1			
23	SPEAKER OUT PCB	1			
22	FOOT PIECE	4			
21	MOTHERBOARD	1			
20	FUNCTIONKEY PCB	1	S1	M3X6	
19	PANEL BRACKET	1	S2	M3X8	
18	FUNCTION KEY	5	S3	M3X4	
17	LENS(2)	1	S4	BT3X8	
16	LENS(1)	1	S5	ST4X10	
15	DISK DOOR	1			
14	MIC KNOB	2			
13	MIC SOCKET	1			
12	PANEL	1			
11	POWER KEY	1			
10	POWER SWITCH	1			
9	MIC PCB	1			
8	DISPly PCB	1			
7	SCREW M8	1			
6	ABS BRACE	4			
5	TRANSFORMER	1			
4	RUBBER WASHER	2			
3	COVER	1	33	RECEIVER	1
2	WASHER	1	32	SCART	1
1	NUT M8	1	31	POWER LINE	1

Item	Part No.	Material Description	Material Specification	Qty	Position	Remarks		
	7.01.2.D412V011		Parts for control panel					
1	1.01.1.10R0J051	carbon resistor	10Ω,1/4W,±5%	1	R1		I	B
2	1.01.1.1002J051	carbon resistor	10K,1/4W,±5%	9	R2-R4,R6-R11		I	B
3	1.01.1.5602J051	carbon resistor	56K,1/4W,±5%	1	R5		I	B
4	1.04.1.101K0601	ceramic capacitor	100pF,50V,±10%	3	C2,C3,C4		I	B
5	1.04.1.104Z0601	ceramic capacitor	0.1uF,50V,±80%/-20%	1	C5		I	B
6	1.04.6.107M0201	Elec	100uF,10V,±20%	1	C1		I	B
7	1.31.2.HM838141	infrared receiving tube	HM838-14	1	RE1		I	B
8	1.17.2.0PT63111	integrated	PT6311,QFP52	1	IC1		S	A
9	1.18.1.008SS471	VFD display	HNVC08SS47	1	VFD1		I	B
10	1.06.1.03560001	magnetic ball	Φ3.5×6mm	2	L1,L2		I	B
11	1.02.B.10306302	adjustable resistor	IR,R1212N120F,B10K,F axis ,20mm	1	VR1		S	B
12	1.02.B.50306302	adjustable resistor	IR,R1212N120F,B50K,F axis ,20mm	1	VR2		S	B
13	1.23.1.55512106	black wire	length120mm,P/N:161-555-006121	1	control panel to OK board		S	B
14	1.23.1.03030101	black wire	length300mm,P/N:161-030-001301	1	control panel to volume board		S	B
15	1.23.1.66032199	black wire	length320mm,P/N:161-660-099321	1	control panel to decoder board		S	B
16	1.23.1.44430104	black wire	length300mm,P/N:161-444-004301	1	control panel to amplifier boardJ5		S	B
17	1.23.1.06025101	black wire	length250mm,P/N:161-060-001251	1	control panel to keyboard		S	B
18	1.30.2.D412V011	PCB(double panel board)	control panel,D412CT.PCB	1	122×46.5mm		I	B
	7.01.8.D412V011		Parts for keyboard					
19	1.15.3.06060501	touch switch	6×6,H=5mm	8	SW1-SW8		S	B
20	1.09.1.01N41481	diode	1N4148	2	D1-D2		S	B
21	1.30.8.D412V011	PCB	keyboard,D412KEY.PCB	1	40×94mm		I	B
			Parts for power switch					
22	1.30.7.D412V011	PCB	Parts for power switch,D412PSW.PCB	1				
			Parts for MIC board					
23	5.01.1.05000001	jumper	5mm	2	S1,S2		I	C
24	5.01.1.07500001	jumper	7.5mm	1	S3		I	C
25	1.01.1.1000J031	carbon resistor	100Ω,1/8W,±5%	1	R23		I	B
26	1.01.1.4700J031	carbon resistor	470Ω,1/8W,±5%	2	R8,R9		I	B
27	1.01.1.1001J031	carbon resistor	1K,1/8W,±5%	1	R4		I	B
28	1.01.1.3301J031	carbon resistor	3.3K,1/8W,±5%	1	R5		I	B
29	1.01.1.4701J031	carbon resistor	4.7K,1/8W,±5%	3	R1,R11,R13		I	B
30	1.01.1.9101J031	carbon resistor	9.1K,1/8W,±5%	1	R21		I	B
31	1.01.1.1002J031	carbon resistor	10K,1/8W,±5%	8	R2,R3,R6,R10,R12,R15,R16,R20		I	B
32	1.01.1.1202J031	carbon resistor	12K,1/8W,±5%	1	R14		I	B
33	1.01.1.1502J031	carbon resistor	15K,1/8W,±5%	1	R17		I	B
34	1.01.1.1802J031	carbon resistor	18K,1/8W,±5%	1	R19		I	B
35	1.01.1.2202J031	carbon resistor	22K,1/8W,±5%	1	R7		I	B
36	1.01.1.4702J031	carbon resistor	47K,1/8W,±5%	1	R18		I	B
37	1.01.1.4700J051	carbon resistor	470Ω,1/4W,±5%	1	R22		I	B
38	1.04.1.561K0601	ceramic capacitor	560pF,50V,±10%	2	C10,C12		I	B
39	1.04.1.221K0601	ceramic capacitor	220pF,50V,±10%	2	C1,C2		I	B
40	1.04.2.104K0801	polyester fiber capacitor**	0.1uF,100V,±10%	4	C5-C8		I	B
41	1.04.2.102K0801	polyester fiber capacitor**	1000pF,100V,±10%	3	C3,C4,C11		I	B
42	1.04.2.332K0801	polyester fiber capacitor**	3300pF,100V,±10%	1	C9		I	B
43	1.04.2.392K0801	polyester fiber capacitor**	3900pF,100V,±10%	1	C13		I	B
44	1.04.6.225M0601	Elec	2.2uF,50V,±20%	6	E1,E5,E6,E7,E10,E11		I	B
45	1.04.6.475M0401	Elec	4.7uF,25V,±20%	2	E2,E4		I	B
46	1.04.6.107M0301	Elec	100uF,16V,±20%	2	E3,E9		I	B
47	1.04.6.227M0301	Elec	220uF,16V,±20%	1	E8		I	B
48	1.10.1.00510051	regulated diode	5.1V,1/2W	1	Z1		I	B
49	1.17.1.0PT23991	integrated	PT2399,DIP16	1	IC2		I	A
50	1.17.1.00045581	integrated	4558,DIP-8	1	IC1		I	A
51	1.20.2.0TJC35A1	jack	TJC3-5A	1	J2		I	B
52	1.23.1.33325102	black wire	length250mm,shield wire,P/N:161-333-002251	1	decoder boardCN12 to MIC jack board J1		S	B
53	1.21.2.635037BB	MIC jack	CK6.35-03-7B, 7foot,silver	2	MIC1,MIC2		S	B
54	1.30.4.D303V501	PCB(single front panel)	MIC board,DV2023OK.PCB,181-D303-552	1	78×60.5mm,NO.DV2023-12		I	B
	7.01.T.D412V011		Parts for decode board					
55	1.03.1.02420443	codening switch	16B-24204.CODESWICH, axis ,20mm	1	SK1		I	B
56	1.30.T.D412V011	PCB(double panel board)	main volume board,D412VOL.PCB	1			I	B
			Parts for amplifier board					
57	5.01.1.05000001	jumper	5mm	23	S1-S13,S15,S16,S18-S20,S22,S34,S68,S73,S80		I	C
58	5.01.1.07500001	jumper	7.5mm	19	S14,S21,S23-S33,S36,S37,S46,S71,S72,Z2		I	C
59	5.01.1.10000001	jumper	10mm	13	S38-S45,S47,S48,S49,S74,S81		I	C
60	5.01.1.12500001	jumper	12.5mm	8	S35,S57-S63		I	C
61	5.01.1.15000001	jumper	15mm	6	S51-S56		I	C
62	5.01.1.17500001	jumper	17.5mm	4	S64-S67		I	C
63	1.32.1.50013301	fuse tube	T5.0A/250V,time extending type,	2	F1,F2,VDE standard	*	I	A
64	1.32.1.25013304	small fuse tube	T2.5A/250V,time extending type,	1	F4;UL standard	*	I	A
65	1.32.1.31503304	small fuse tube	T315mA/250V,time extending type,	1	F8;UL standard	*	I	A
66	1.32.1.50003304	small fuse tube	T500mA/250V,time extending type,	1	F6;UL standard	*	I	A
67	1.01.2.1002F031	resistor	10KΩ,1/8W,±1%	2	R61,R62		I	B
68	1.01.1.04R7J061	carbon resistor	4.7Ω,1/2W,±5%	7	R27,R30,R54-R58		I	B
69	1.01.1.56R0J061	carbon resistor	56Ω,1/2W,±5%	1	R99		I	B
70	1.01.1.1000J031	carbon resistor	100Ω,1/8W,±5%	7	S17,R7-R11,R20		I	B
71	1.01.1.2700J051	carbon resistor	270Ω,1/4W,±5%	6	R1-R6		I	B



		Parts for audio board					
149	7.01.G.D303V501	AV jack	AV4-8.4-13,up red down white	1			C B
150	1.23.1.55010101	black wire	length100mm,P/N:161-550-001101	1	amplifier boardJ11 to audio boardJ1		S B
151	1.30.G.D303V501	PCB	audio boardDV2023AUDIO.PCB,181-D303-544	1	25×19mm		I B
		decoder board					
152	1.23.1.55512193	black wire	length120mm,P/N:161-555-093121	1	CN7 to radio main board		S B
153	1.23.1.55532118	black wire	length320mm,P/N:161-555-018321	1	CN3(PIN space 2.0mm) to loader		S B
154	1.23.2.66630105	soft black wire	length300mm,P/N:161-666-005301	1	CN4(PIN space 2.0mm) to loader		S B
155	1.23.3.QQ022101	flat film wire	length220mm,24P/0.5 space ,P/N:161-QQ0-001221	1	CN2 to loader		C B
156	7.05.2.0R310AH1	loader stand	RYD-310AH	1			C B
157	7.05.1.SONY3101	laser	SONY 310	1			C B
158	7.01.1.M1379018	decoder board	MTK1379.702-M1379-018	1	without VGA port		C B
159	7.02.1.YST939D1	radio set	YST939-D	1	including FM/AMantenna		C B
		Assebling					
160	1.25.2.15012756	power cable	2 round feet VDE standard,length 1.5M,conductor 2×0.75mm2	1	,inside ,150mm;	*	C A
161	1.07.3.08003503	transformer	230V,50Hz,80W,round shape,with sticker	1		*	C A
162	2.20.1.80409021	screw	M8×40,	1	transformer attachment	#	C C
163	2.21.1.08R00101	screw	M8,	1	transformer attachment	#	C C
164	2.22.1.08R20801	flat washer	outside•φ17,inside•φ8.2,thickness0.8mm	1	transformer attachment	#	C C
165	2.22.2.08R21501	spring washer	inside•φ8.2,thickness1.5mm	1	transformer attachment	#	C C
166	2.18.1.00020231	transformer cover		1	transformer attachment	#	C C
167	5.15.1.00020231	transformer mat		2	transformer attachment	#	C C
168	1.15.2.0000P122	power switch	P12 AC250V 5/80A T85	1	NEMKO	*	C A
169	5.06.1.25004001	pyrocondensation	φ25×40mm	0.04m	power switch set		C C
170	5.06.1.05005001	pyrocondensation	φ5×50mm	0.1m	set power cable		C C
171	1.32.1.31513201	fuse tube	T3.15A,250V,time extending type	1	VDE standard	*	C A
172	1.33.3.10000001	fuse tube set	fuse tube set ,	1			C C
173	4.12.6.00T315A1	sticker	T3.15A	1			C C
174	7.03.5.D412V011	front panel set	DVD-5115PSPKfront panel set	1	serigraphic:D412V1FP_DVD-5115PSPK.CDR		C B
175	2.02.5.D412A001	bottom	dimension drawing:D412V0ABC.DWG,0.8mm,spray grey(A)	1			C C
176	2.03.5.D412A001	rear panel	dimension drawing:DA55HA3RC.DWG,0.6mm,spray black(A)	1	serigraphic:D412V1RS_DVD-5115PSPK.CDR		C C
177	2.04.5.D412A003	top cover	dimension drawing:D412V1ATC.DWG,0.7mm,spray (A panel)	1	with trade mark,55height,depth282mm		C C
178	2.06.1.D412A001	front panel stand	dimension drawing:D412V01FS.DWG,0.8mmElec board	1			C C
179	2.20.1.30047221	screw	M3×4,white,	2	front panel, left and right side (2)		C C
180	2.20.1.30042221	screw	M3×4,white,	3	rear panel(3)		C C
181	2.20.1.30101221	screw	M3×10,white,	2	decoder board(2)		C C
182	2.20.1.30062221	screw	M3×6,white,	11	front panel bottom (3),cover(8)		C C
183	2.20.1.30222221	screw	M3×22,white,	4	loader (4)		C C
184	2.20.2.40101222	screw	ST4×10,black,,	4	diffusor(4)		C C
185	2.20.2.30081231	screw	BT3×8,white,φ5.2	18	control panel(5),volume board(2),power switch(2),front panel stand(4),MIC washer(2),dis		C C
186	2.20.2.30081232	screw	ST3×8,black,	11	decoder board(4),input jack(1),output jack(2),radio(2),SCART(2)		C C
187	3.17.1.05000101	holder	H=5mm,•φ10,•φ4	1	amplifier board(1)		C C
188	3.17.1.10000102	holder	H=10mm,•φ10,•φ4	1	amplifier board(1)		C C
189	5.04.1.03080001	nylon string	3×80mm	10			C C
190	5.05.1.20080601	square sponge mat	20×8×6mm	3	fix display and loader stand		C C
191	5.05.2.15R00501	round sponge mat	machine foot ,φ15×5mm, 30°	4			C C
192	3.17.3.15001101	plastic machine foot column	φ11×15mm, grey	4	machine foot installation		C C
193	3.17.2.05011001	rubber column	φ11×5mm, grey	2	decoder board		C C
194	8.05.1.D412V011	DVD amplifier player	DVD-5115PSPK	1			C B
		Packing material					
195	7.11.1.D412V011	speaker set	DVD-5115PSPKspeaker set	1 set			P B
196	1.26.4.15010001	SCART line	1.5M	1			P C
197	1.26.1.12010001	three cables	1.2m	1	packed in the plastic bag		P C
198	4.05.1.00051151	packing foam		1 set			P C
199	4.02.1.D412V011	color box	DVD-5115PSPK,485×305×410mm	1			P C
200	4.06.1.17836020	foam board	178×360×20mm	1			P C
201	4.07.3.23033001	sealed bag	230×330mm	2	punch hole		P C
202	4.07.2.43060009	transparent bag	3C×430×600mm	1	with 5 languages,punch hole,with environment protection mark		P C
203	4.07.9.0603102C	semi-transparent bag	2C×60×310mm	1	set power cable		P C
204	4.12.4.D317V051	6 languages warning sticker		1			P C
205	4.12.4.D412V011	weight warning sticker		1			P C
207	4.12.4.D303V013	laser sticker		1			P C
208	4.12.2.D412V014	sequence sticker	30×5,as per purchase contract	2	stick to the back of the machine and color box		P C
210	4.12.2.D412V011	date sticker		1	stick to rear panel		P C
211	4.12.2.D412V012	case sticker		1	stick to the edge of the bar code		P C
219	4.12.9.D412V011	bar code		1			
213	4.11.M.D412V011	warranty card	multi-language	1			P C
214	4.10.M.D412V011	instruction manual	with trade mark,6 languages	1			P C
215	5.11.1.AAA00001	battery	7#	2PC			P C
216	8.50.1.00R30270	remote controller	R302E,serigraphicwith trade markROADSTAR,with RDS,change c	1	packed in the plastic bag		P B
217	9.05.1.D412V011	DVD amplifier	DVD-5115PSPK	1			P B
ENDING							

Item description: I=parts to insert S=parts to weld C=parts to assemble P=parts for packing  
Material grade is classified by the effect of the finished product quality as A, B and C.  
A=Very important B=important C=common The supplier of A grade shall be certified with ISO.

Note: \*\* indicates safety standard parts

# indicates transformer attachment