Service Manual

CLASS 1
LASER PRODUCT

Version 1.0

The Service Guide of VM9214

1. The Unit can not be powered on.
   1) Check whether there is a fuse in the filter box of power line or whether the fuse has been blown.
   2) If the unit can not be powered on yet, change the power line.
   3) If the unit still can not be powered on, you should check whether the reset button is pushed down by the front panel.
   4) If the unit can not be powered on yet after the above operation, you should change the mainboard part.

2. No display
   1) Check whether the connection of video output is right.
   2) If there is no display yet, change the video output line.
   3) If there is no display yet, change the mainboard part.
   4) If there is no display after the above operation, you should change the video driver board part.

3. Shut down automatically
   1) Check whether the power supply is accord with the specification.
   2) Check whether the fuse in the filter box of the power line has been blown.
   3) Check whether the ACC is connected to the high level (The ACC is connected to the battery generally).
   4) If the trouble is still not solved yet, check the connection between the front panel and the mainboard. If necessary, change the connector.
   5) If the unit shuts down automatically yet after the above operation, you should change the mainboard part.

4. No audio output
   1) Check whether the MUTE key is pressed.
   2) Check whether the Fast Forward key or the Fast backward key is pressed.
   3) Check whether now playing has audio.
   4) Change the audio output line.
   5) If there is no audio output yet, change the mainboard part.
   6) If the trouble is not solved yet after the above operation, change the loader part.

5. AUX-IN function failure
   1) Check whether the AUX-IN input line is available.
   2) If the AUX-IN function is viod yet, change the mainboard part.

6. NAVI function failure

1) Check whether the connection is right.
2) theNAVI function is viod yet, change the mainboard part.

7. The fan can not work normally.

1) Check whether the power supply is turned on.
2) Check whether the power socket of the fan is connected firmly.
3) Chang a good fan.
4) If the fan can not turn yet after the above operation, chang the mainboard.

8. The color of TFT is abnormal

1) Check whether the video output of rear zone is normal.
2) If the video output of rear zone is normal, that is to say the decode works normally, and you should check the connection between the mainboard and the TFT unit.
3) If the video output of rear zone is abnormal, change the mainboard part.
4) If the color of TFT is abnormal yet after the above operation, change the video driver board part.

9. White screen

1) Check the connection between the loader and the mainboard, the mainboard and the power supply board of TFT, the power supply board of TFT and the TFT.
2) If the trouble is still not solved, change the power supply board of TFT.
3) If the trouble is still not solved after the above operation, change the Display part.

10. Black screen(No display in the TFT)

1) Check the connection between the loader and the mainboard, the mainboard and the power supply board of TFT, the power supply board of TFT and the TFT.
2) Check whether the background lights are illumed. If not, change the CCFL board.
3) If there is no display in the TFT, change the display part.
4) If there is still no display in the TFT after the above operation, change the mainboard part.

11. Blue screen

1) Check whether the video output of rear zone is normal.
2) Check whether the source can normally change. And have sound output
3) If yes,check the reverse detect line.
4) If not, change the mainboard part.

5) If not yet, change the video driver board part.

12. The icon of MUTE displays in the TFT at all times

1) Check whether there is any audio output.
2) If the audio output is normal, change the mainboard part. If the trouble is still not solved, change the display part.
3) If the audio output is abnormal, change the mainboard part. If the trouble is still not solved, change the loader part.

13. Beeper function failure

1) Check whether the beeper has turn off in the setup option.
2) Change the beeper.
3) If the trouble is not solved yet, change the mainboard part.

14. Key function failure

1) Check whether the key in the front panel is available.
2) Check the connection between the front panel and the mainboard. If necessary, change the FFC connector.
3) If the key in the front panel is void, change the front panel part.

15. Remote controller function failure

1) Check whether the key in the front panel is valid.
2) If the key in the front panel is valid,that is to say the mainboard works normally. Check whether the battery of the remote controller is available or change another one good.
3) If the key in the front panel is viod, you should check the connection between the front panel and the mainboard. If necessary, change the FFC conector.
4) If the trouble is still not solved yet, change the front panel.
5) If the trouble is still not solved yet, change the mainboard part.

16. No display in the LCD

1) Make sure the TFT unit is colsed.
2) If there is no display in the LCD also, you should change the LCD board.

17. Display in the LCD is abnormal

1) Check the connection between the mainboard and keypad .
2) If the display of LCD is abnormal, you should change the LCD board.

18. No volume display in the TFT

1) Check whether the volume knob is available.
2) Check whether there is volume display in the TFT using the remoter controller to adjust the volume.
3) If there is volume display in the TFT using the remoter controller to adjust the volume, that is to say the display part and the mainboard part work normally, you should change the front panel part.

4) If there is no volume display in the TFT using the remoter controller to adjust the volume, change the mainboard part.
5) If the trouble is still not solved yet, change the display part.

19. The picture of playback is not fluent

1) Check whether the disc is dirty, scratched or deformed.
2) Check whether the lens of pick-up is dirty and clean it.
3) If the picture of playback is not fluent yet, you should change the loader part.

20. Loading failure

1) Check whether the disc you want playback is accord with the specification.
2) Check the connection between the pick-up mechanism and the servo&MPEG board. If necessary, chang the loader part.

21. Can not insert one disc

1) Check whether there is another disc in the unit.
2) Check the connection between the loader part and the mainboard part. If necessary, change the connector.
3) If the trouble still exists, change the loader part.
4) If the trouble is still not solved after the above operation, change the mainboard part.

22. Can not eject the disc

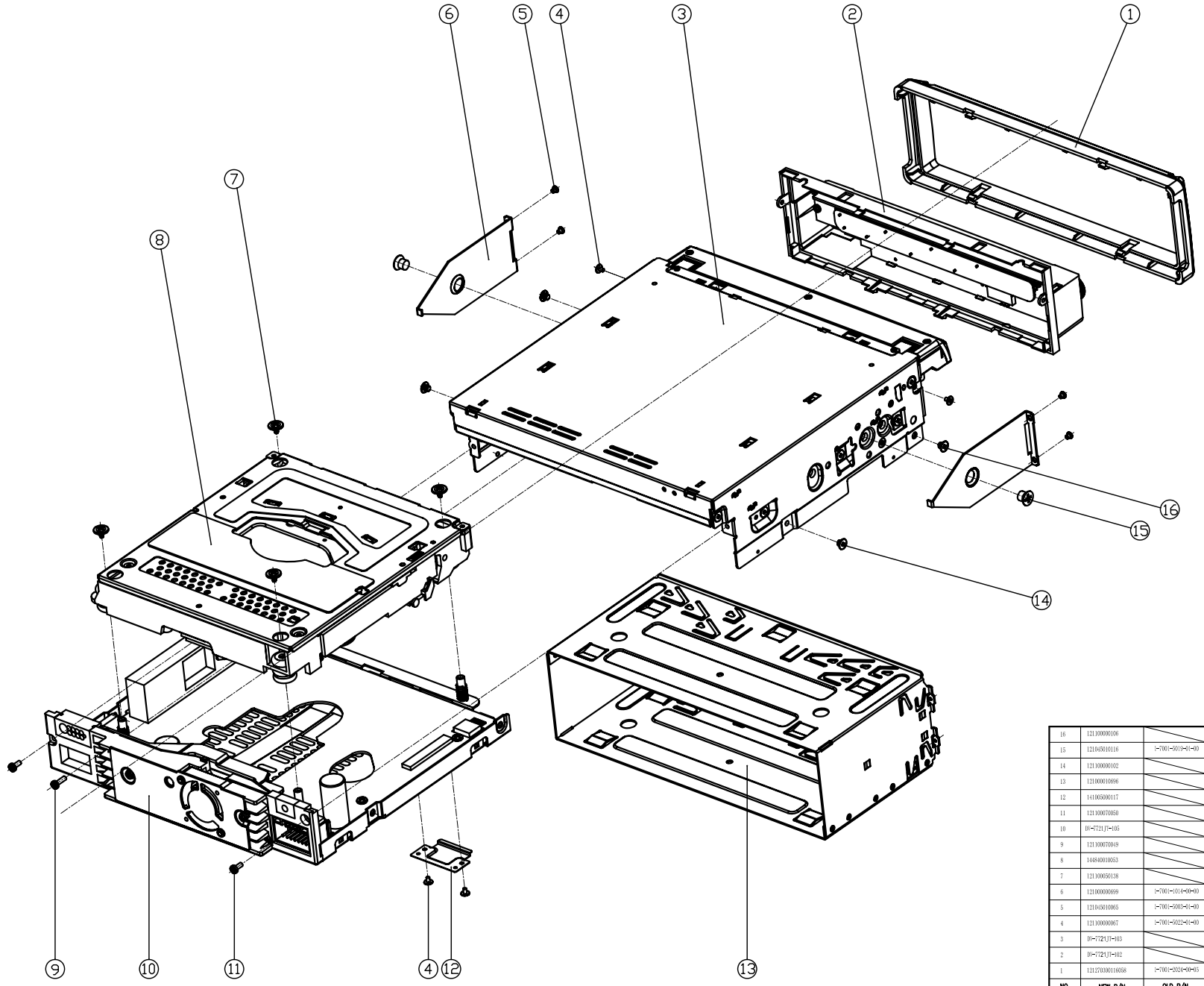
1) Check the connection between the front panel and the mainboard.
2) Check the connection between the mainboard and the loader.
3) If the trouble is still not be solved, chang the loader.
4) If the trouble is still not be solved after changing the loader, change the mainboard.

23. Eject the disc automatically

1) Check the connection between the loader and the mainboard.
2) If the trouble still exists, change the loader.
3) If the trouble is not solved yet after changing the loader, you should change the mainboard.

RANGE	TOLERANCE
0-3	±0.10
≥ 3~20	±0.15
≥ 20~50	±0.20
≥ 50~100	±0.25
≥ 100~200	±0.30
≥ 200	±0.50
ANGLE	±30'

REV NO.	YY/MM/DD	DESCRIPTION	QTY	SIGN	APP

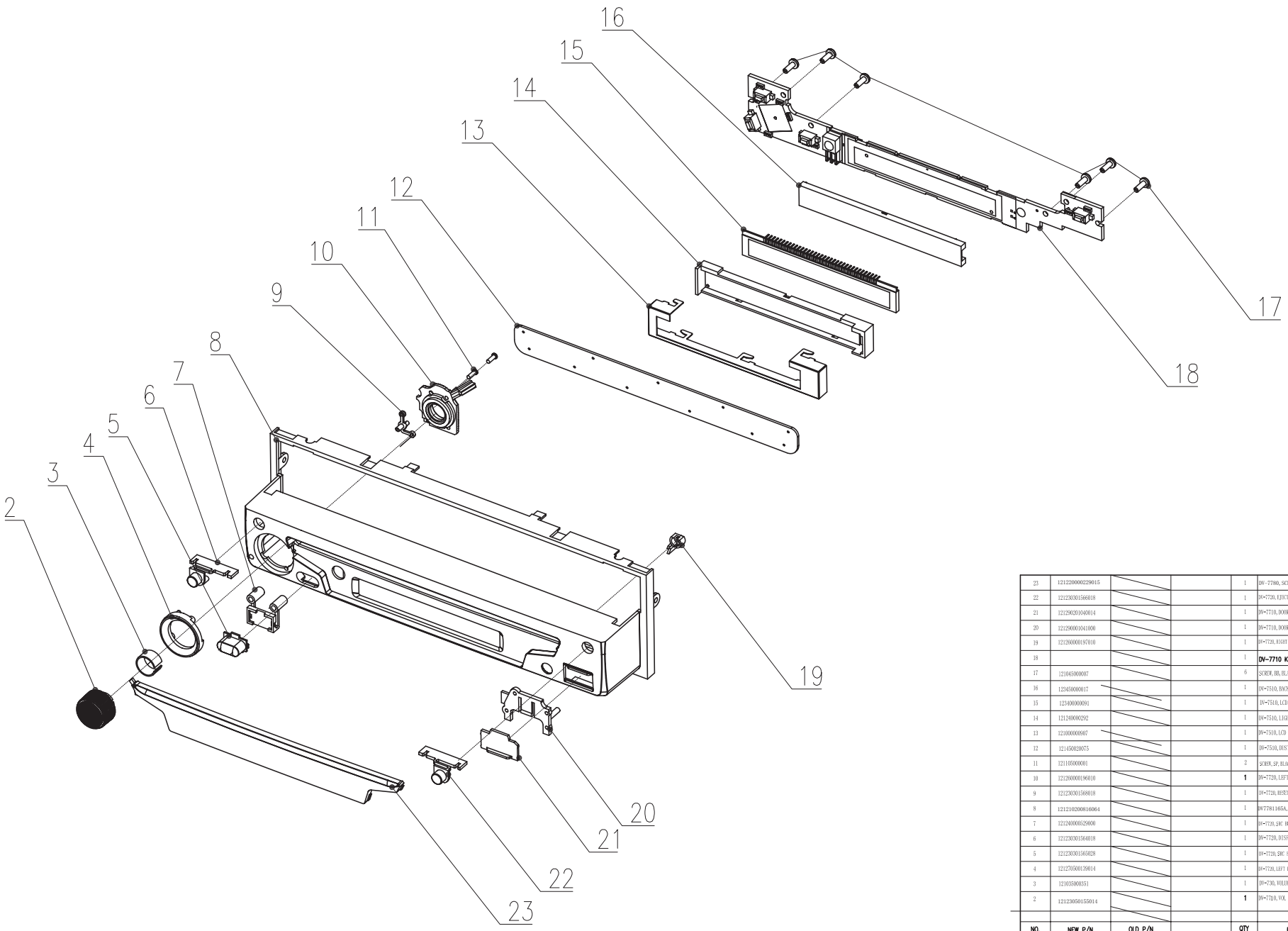


NO.	NEW P/N	OLD P/N		QTY	REMARK
16	12100000106			2	SCREW,CM,WHITE ZINC,M3*3.5
15	12104501016	I-7001-5019-01-00		2	SCREW,ME535+Φ7.0X2.2
14	12100000102			2	SCREW,CM,WHITE ZINC,M3*2.5
13	12100010696			1	DV-7520,HOUSING,SECC,0.8mm
12	14100500117			1	DV7300,FPC Cover, SUS,0.3mm
11	12100070050			1	SCREW,IBM,WHITE ZINC,M2.6*5.0+Φ4.2*1.6
10	DV-7721JT-105			1	DV-7750,BOTTOM COVER ASS'Y
9	12100070049			1	SCREW,IBM,WHITE ZINC,M2.6*7.5+Φ4.2*1.6
8	14484001053			1	CORE
7	12100050138			4	SCREW,PWM,WHITE ZINC,M2.0*4.0
6	12100000699	I-7001-1014-00-00		2	VICTOR,LONG HET,SECC,0.8
5	12104501005	I-7001-5003-01-00		4	SCREW,ME332+Φ3.4X0.5(BLACK)
4	12100000067	I-7001-5022-01-00		4	SCREW,BU.7,2.6,F4.4X0.5
3	DV-7721JT-103			1	DV-7710,TOP COVER ASS'Y
2	DV-7721JT-102			1	DV-7750,FRONT PANEL ASS'Y
1	12127030011058	I-7001-2024-00-05		1	DV710P,RING,ABS

MATERIAL	FINISH	WEIGHT	UNIT	SCALE	MODEL NO: DV-7721
			mm	1:1	DESCRIPTION(ENGLISH/CHINESE): ALL IN ONE ASS'Y
PROJECTION	SIZE	SHEET	DESIGNED BY	CHECKED BY	APPROVED BY
	A1	1/1			CODE NO: DV-7721JT-101

RANGE	TOLERANCE
0-3	±0.10
>3-20	±0.15
>20-50	±0.20
>50-100	±0.25
>100-200	±0.30
>200	±0.50
ANGLE	±30'

REV NO.	YY/MM/DD	DESCRIPTION	QTY	SIGN	APP

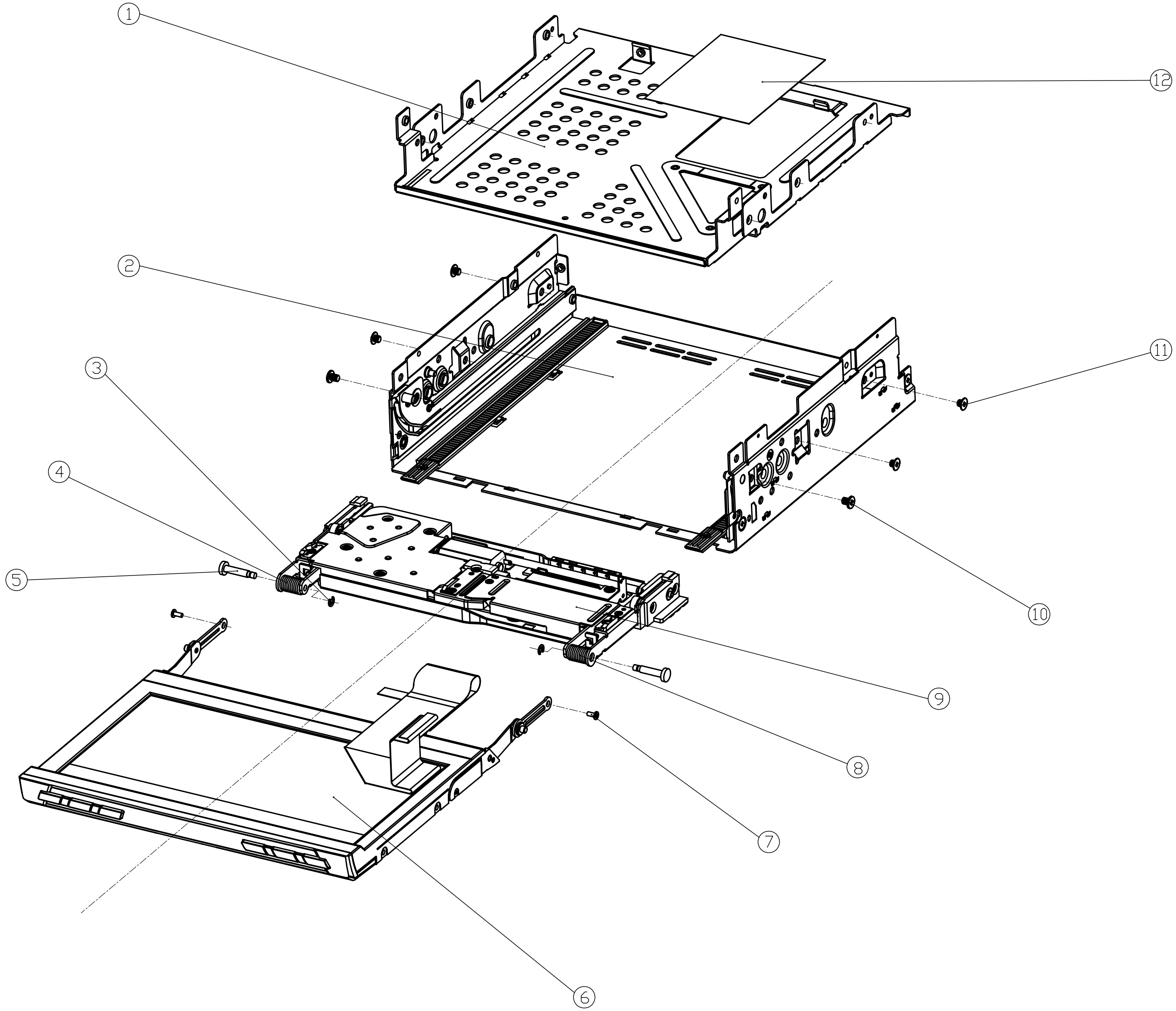


23	1212200000229015			1	DV-7780, SCREEN LENS, PC, S3L
22	1212303015680l8			1	DV-7720, EJECT BUTTON, PC, MET+TI
21	1212902010400l4			1	DV-7710, DOOR, ABS, MET+TI
20	1212900010410O0			1	DV-7710, DOOR BLOCK, ABS
19	1212600001970l0			1	DV-7720,RIGHT COV LI+GUIDE, PC, GEN+WHT
18				1	**DV-7710 KB**
17	121045000007			6	SCREW, BB, BLACK ZINC, M2*6
16	121450000017			1	DV-7510, BACK LIGHT
15	123400000091			1	DV-7510, LCD DISPLAY
14	121240000292			1	DV-7510, LIGHT BKT, ABS (7770)
13	121000000907			1	DV-7510, LCD BKT, SECC, T=0.3mm, TINPLATE
12	121450020075			1	DV-7510, DUSTPROOF CLOTH, CLOTH+PVC
11	121105000001			2	SCREW, SP, BLACK NI, L 4*5, On, DV-7510
10	1212600001960l0			1	DV-7720, LEFT LIGHT RING, PC, GEN+WHT
9	1212303015680l8			1	DV-7720, RESET BUTTON, ABS, GEN-BLK
8	1212102000160064			1	DV7781165A, FRONT PANEL, ABS+PC, MET+TI
7	121240000529000			1	DV-7720, SHC BUTTON BKT, PC
6	1212303015640l8			1	DV-7720, DISP BUTTON, ABS, GEN+BLK
5	1212303015680l8			1	DV-7720, SHC BUTTON, PC, GEY+BLK
4	1212705001390l4			1	DV-7720, LEFT RING, ABS, PLT+TI
3	121035000351			1	DV-730, VOLUME-SPRING, T*0.4MM,
2	1212305015501l4			1	DV-7710, VOL KNOB, ABS, PLT
NO.	NEW P/N	OLD P/N		QTY	REMARK

MATERIAL	FINISH	WEIGHT	UNIT	SCALE	MODEL NO: DV-7721
			mm	1:1	DESCRIPTION(ENGLISH/CHINESE): FRONT PANEL ASS'Y/前面板组件
PROJECTION	SIZE	SHEET	DESIGNED BY	CHECKED BY	APPROVED BY
	A3	1/1			CODE NO: 7721JT-102

RANGE	TOLERANCE
>0-5	±0.10
>5-20	±0.15
>20-50	±0.20
>50-100	±0.25
>100-200	±0.30
>200	±0.50
ANGLE	±30'

REV NO.	YY/MM/DD	DESCRIPTION	QTY	SIGN	APP
△					

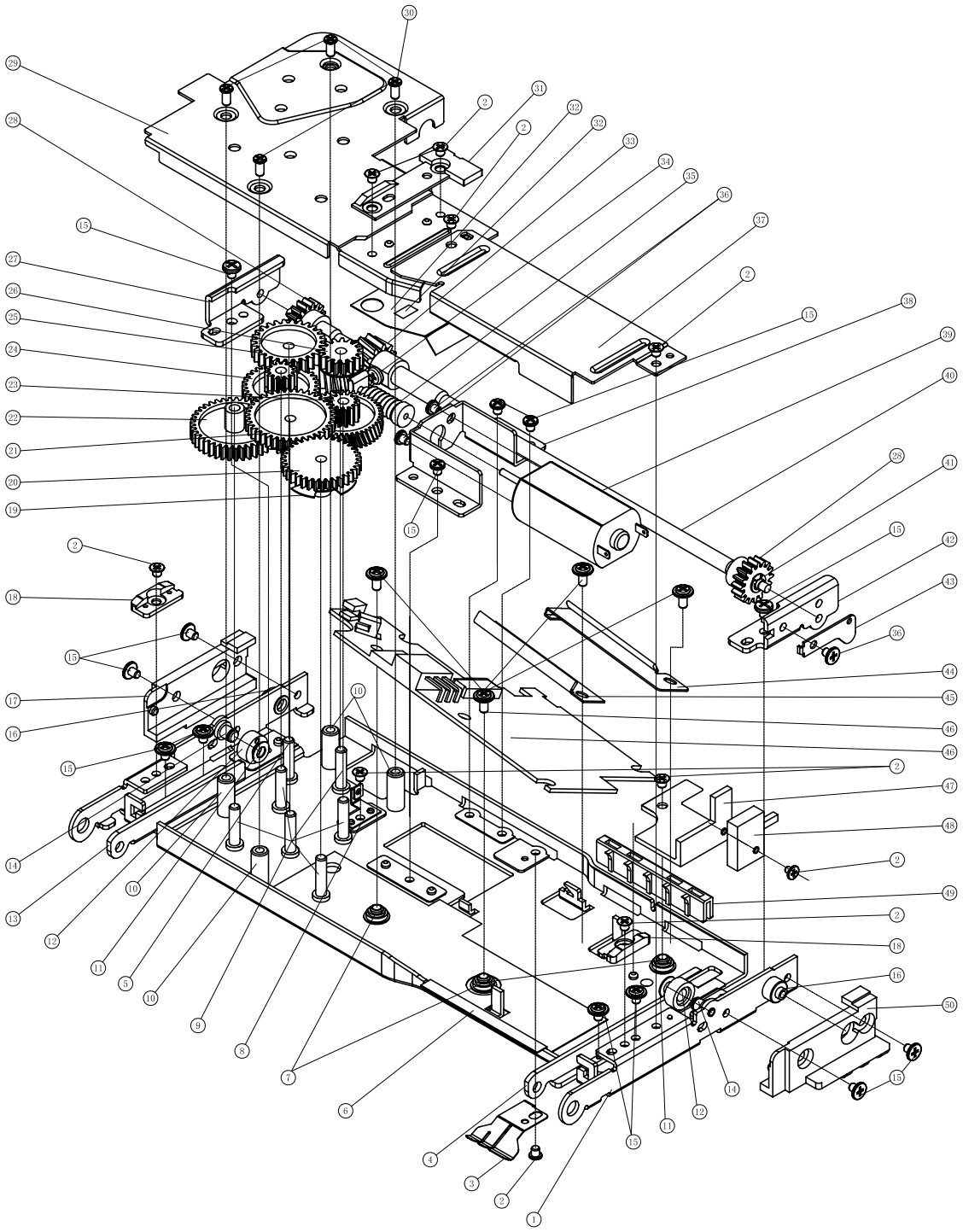


NO.	NEW P/N	OLD P/N		QTY	REMARK
12	121460000125			1	DV710,PVC SHEET 1,PVC,0.2
11	121045010216			4	SCREW,CM,WHITE ZINK,M3*2.5
10	121045020218			2	SCREW,CM,WHITE ZINK,M3*3.5
9	DV-7721JT-104			1	SLIDE BKT ASS'Y
8	121035030264	1-7001-4002-03-00		1	Right Turn Spring,VM700,φ6X9.2Xφ0.9
7	121045020033	1-7001-5001-02-00		2	SCREW,M1.7X4十φ3.4X0.5(WHITE)
6	DV-7721JT-107			1	SCREEN ASS'Y
5	121025020354	1-7001-3012-02-00		2	SLIDE BKT PIN,VM700,φ6X1.4十φ3.8X11.5
4	121035030241	1-7001-4001-03-00		1	Left Turn Spring,v700,φ6X9.2Xφ0.9
3	121090000084	2-1712-0045-00-00		2	WASHER 1,DV-710N
2	DV-7721JT-108			1	RACK ASS'Y
1	121000001352			1	DV-7700,MIDDLE BKT,SECC,T0.8

MATERIAL	FINISH	WEIGHT	UNIT	SCALE	MODEL NO: DV-7721
			mm	1:1	DESCRIPTION(ENGLISH/CHINESE): TOP COVER ASS'Y / 顶盖装配图
PROJECTION	SIZE	SHEET	DESIGNED BY	CHECKED BY	APPROVED BY
	A1	1/1			CODE NO: DV-7721JT-103

RANGE	TOLERANCE
0-5	±0.10
> 5~30	±0.15
> 30~50	±0.20
> 50~100	±0.25
> 100~200	±0.30
> 200	±0.50
ANGLE	±30'

REV NO.	YY/MM/DD	DESCRIPTION	QTY	MDN	APP

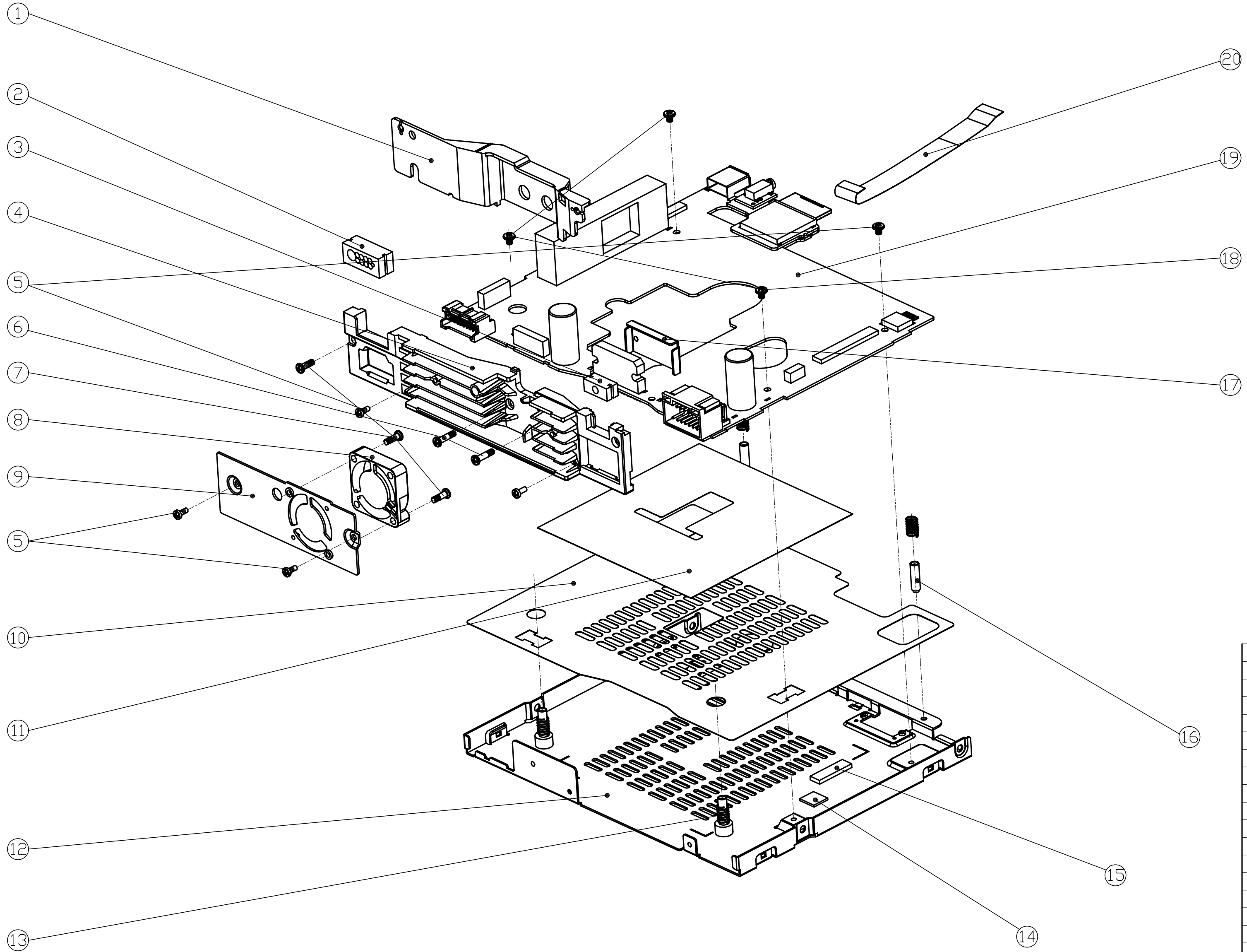


NO.	NEW P/N	OLD P/N		QTY	REMARK
50	12129001058000O	1-7001-2034-01-00		1	VHT00, RIGHT SLIDE BLOCK, POM
49	12129000563	1-7001-2030-00-00		1	VHT00, SHAFT LIMIT BAR, POM
48	123215000008			1	DETECT SW, SPPB120200
47	12100000897			1	DV-7510, SWITCH BKT, SECC, 0.88M
46	12104501007 4	1-7001-5012-01-00		4	SCREW, M2X3.5+5X1.2(Golden)
45	12100500110			1	DV-7510, 50PIN FFC FRONT BKT, SUS301, 0.40M
44	12100500109			1	DV-7510, 50PIN FFC REAR BKT, SUS301, 0.40M
43	12100500088	1-7001-1008-00-00		1	VHT00, SHAFT SPRING, SUS, 0.5
42	12100010743	1-7001-1008-01-00		1	VHT00, RIGHT SHAFT BKT, SECC, 1.2
41	12106000084	2-1712-0005-00-00		2	WASHER 1, DV-710R
40	12102501033 9	1-7001-3002-01-00		1	DRIVER SHAFT, VHT00, ↑4.5X156.3
39	124825000003	2-2000-1170-00-00		1	MOTOR, PF-050SR-11170
38	12100000704	1-7001-1006-00-00		1	VHT00, MOTOR BKT, SECC, 0.8
37	12100010720	1-7001-1024-01-00		1	VHT00, WIRE SHEET, SPCC, 0.6
36	12104501006 8	1-7001-5006-01-00		3	SCREW, M2X2+↑3.4X1(Golden)
35	12120000026 5	1-7001-2010-00-00		1	WORM, VHT00, ↑5X0.4MX13.5, POM
34	12104501008 8	1-7001-5014-01-00		1	SCREW, M2X7+↑4.5X1.2
33	12120001024100O	1-7001-2032-01-00		1	SLIDE GEAR-B, VHT00, 11T30.6MX5.9, PA
32	12144500006 9	1-7001-6010-00-00		1	DOUBLE TAPE 4, DV710, 810HD
32	12146000012 5	1-7001-6001-00-00		1	DV710, PVC SHEET 1, PVC, 0.2
31	12129001057200O	1-7001-2031-01-00		1	VHT00, SMALL BLOCK(C), POM
30	12104501007 9	1-7001-5011-01-00		4	SCREW, M2X4+↑3.4X0.4(BLACK)
29	12100010701	1-7001-1023-01-00		1	VHT00, GEAR SHEET, SPCC, 0.6
28	12120000245000	1-7001-2011-00-00		2	RACK GEAR, VHT00, 16T10.6MX3, POM
27	12100010758	1-7001-1007-01-00		1	VHT00, LEFT SHAFT BKT, SECC, 1.2
26	12120001024300O	1-7001-2008-01-00		1	SLOPE GEAR-A, VHT00, 15T90.6M+11T40.6M,PA
25	12120002025300O	1-7001-2007-02-00		1	GEAR 5, VHT00, 27T30.6M,PA
24	12120001025700O	1-7001-2006-01-00		1	GEAR 4, VHT00, 34+33D.5m+42+3D.6m,PA
23	12120000252000	1-7001-2003-00-00		1	GEAR 1, VHT00, 24T3D.4M+13T3D.5M,POM
22	12120000282000	1-7001-2005-00-00		1	GEAR 3, VHT00, 39T3D.5M,POM
21	12120001026400O	1-7001-2004-01-00		1	GEAR 2, VHT00, 40T XO.5m +42T XO.6m,POM
20	12120003025900O	1-7001-2009-03-00		1	SPEED GEAR, VHT00, 35T3D.9M,POM
19	12105501008 7	1-7001-1005-01-00		1	VHT00, SED SHEET, SUS, 0.3
18	12129000570000	1-7001-2032-00-00		2	VHT00, SMALL BLOCK(S), POM
17	12129001059200O	1-7001-2033-01-00		1	VHT00, LEFT SLIDE BLOCK, POM
16	12102501034 7	1-7001-1006-01-00		2	ROCK SHAFT, VHT00, ↑5.5X2.8+↑4.5X1.3
15	12104501002 3	1-7001-5008-01-00		11	SCREW, DW420, M2X2.3+↑4.3X1.2(Golden)
14	12102501033 8	1-7001-1005-01-00		2	ROLL SHAFT, VHT00, ↑4.1X1+↑3X3.3
13	12100000756	1-7001-1021-00-00		1	VHT00, LEFT PIN BKT , SECC, 1.2
12	12120001028V000	1-7001-2035-01-00		2	VHT00, ROLL, ↑7.4M3, POM
11	12106300086	2-1802-0032-30-00		2	WASHER 2, DV-710R
10	12102501034 5	1-7001-3011-01-00		4	COLUMN 4, VHT00, ↑4X8.9+↑2X1.3+M2
9	12102502034 3	1-7001-3007-02-00		6	GEAR SHAFT, VHT00, ↑4X1+↑2.5X10.4
8	12105501009 1	1-7001-1020-01-00		1	VHT00, WORM SPRING , SUS, 0.2
7	12103001003 8	1-7001-3008-01-00		4	COLUMN 1, VHT00, ↑5X1+↑4X1.3+M2
6	12146002001 4	1-7001-6002-02-00		1	PVC SHEET 2, 91X22
5	12102501003 49	1-7001-3014-00-00		1	GEAR SHAFT2, VHT00, ↑6X1+↑2.5X10.4
4	12100000741	1-7001-1022-00-00		1	VHT00, RIGHT PIN BKT , SECC, 1.2
3	12105501007 8	1-7001-1025-01-00		1	VHT00, BKT SPRING, SUS, 0.2
2	12104501006 5	1-7001-5003-01-00		10	SCREW, M2X2+↑3.4X0.5(BLACK)
1	12106900006			1	DV-7510, SLIDE BKT, SPCC, T=1.0

MATERIAL	FINISH	WEIGHT	UNIT	SCALE	MODEL NO: DV-7721
			mm	1:1	DESCRIPTION(ENGLISH/CHINESE): SLIDE BKT ASS'Y
PROJECTION	SIZE	SHEET	DESIGNED BY	CHECKED BY	APPROVED BY
	A1	1/1			CODE NO: DV-7721JT-104

RANGE	TOLERANCE
0-5	±0.10
⩾ 5–20	±0.15
⩾ 20–50	±0.20
⩾ 50–100	±0.25
⩾ 100–200	±0.30
⩾ 200	±0.50
ANGLE	±30'

REV NO.	YY/MM/DD	DESCRIPTION	QTY	SIGN	APP

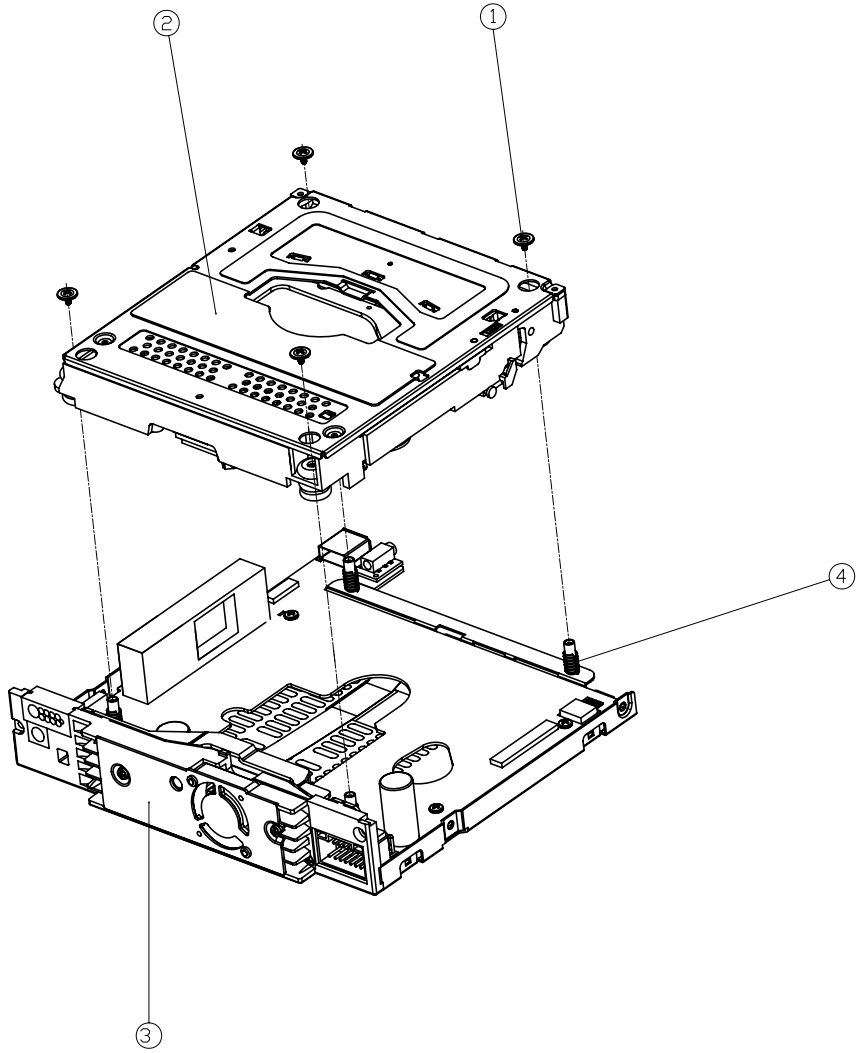


NO.	NEW P/N	OLD P/N		QTY	REMARK
20	123820000269			1	FFC, 24P, 0.5MM, 115MM, TYPE A
19				1	DV-7750, MAIN PCB ASS'Y
18	121045010051			3	SCREW, BM, WHITE ZINC, M2.6*3.5
17	121000001532			1	DV-7700, IC BKT, SECC, T0.8
16	121090000279			2	DV-7700, COLUMN, SUM32, WHITE, Φ4*13.2
15	121490000334			1	DV7700, SILICA GEL 22*6*2
14	121490000333			2	DV7700, SILICA GEL 9.5*8.5*1
13	121035000459			4	DV-7700, SPRING, SWP, Φ0.5
12	121000001828			1	DV-7750, BOTTOM COVER, SECC, 0.8mm
11	121450000100			1	DV-7700, DUSTPROOF NET, CLOTH
10	121415000094			1	DV-7700, INSULATING SHEET, PET
9	121000001355			1	DV-7700, FAN SHEET, SECC, T1.0
8	124850010001			1	DC FAN, DFS300612HYSINT, YLTC
7	121100070049			3	SCREW, BM, WHITE ZINK, M2.6*7.5+Φ4.2*1.6
6	121045000047			2	SCREW, BM, WHITE ZINC, M2.6*10
5	121100070050			5	SCREW, BM, WHITE ZINK, M2.6*5.0+Φ4.2*1.6
4	121010000246			1	DV-7720, HEAT SINK, AL
3	121490000410			1	DV-7720, P-BLOCK
2	123830010583			1	I/O, DV-7700, 16P, CAM/A/V CABLE
1	121290001349000			1	DV-7720, LID, PC

MATERIAL	FINISH	WEIGHT	UNIT	SCALE	MODEL NO: DV-7721
			mm	1:1	DESCRIPTION(ENGLISH/CHINESE): BOTTOM COVER ASS'Y
PROJECTION	SIZE	SHEET	DESIGNED BY	CHECKED BY	APPROVED BY
◎◁	A1	1/1			CODE NO: DV-7721JT-105

RANGE	TOLERANCE
0-5	±0.10
> 5-30	±0.15
> 30-50	±0.20
> 50-100	±0.25
> 100-200	±0.30
> 200	±0.50
ANGLE	±30'

REV NO.	YY/MM/DD	DESCRIPTION	QTY	MM	APP



NO.	NEW P/N	OLD P/N	QTY	REMARK
4	1210050004S8		4	DV-7700, SPRING, SWP, Φ0.4
3	DV-7721JT-105		1	DV-7710, BOTTOM COVER ASS'Y
2			1	DV-7710, CORE ASS'Y
1	1211000501S8		4	SCREW, PWM, WHITE ZINC, M2.0×4.0

MATERIAL	FINISH	WEIGHT	UNIT	SCALE
			mm	1:1

PROJECTION	SIZE	SHEET	DESIGNED BY	CHECKED BY	APPROVED BY
	A1	1/1			

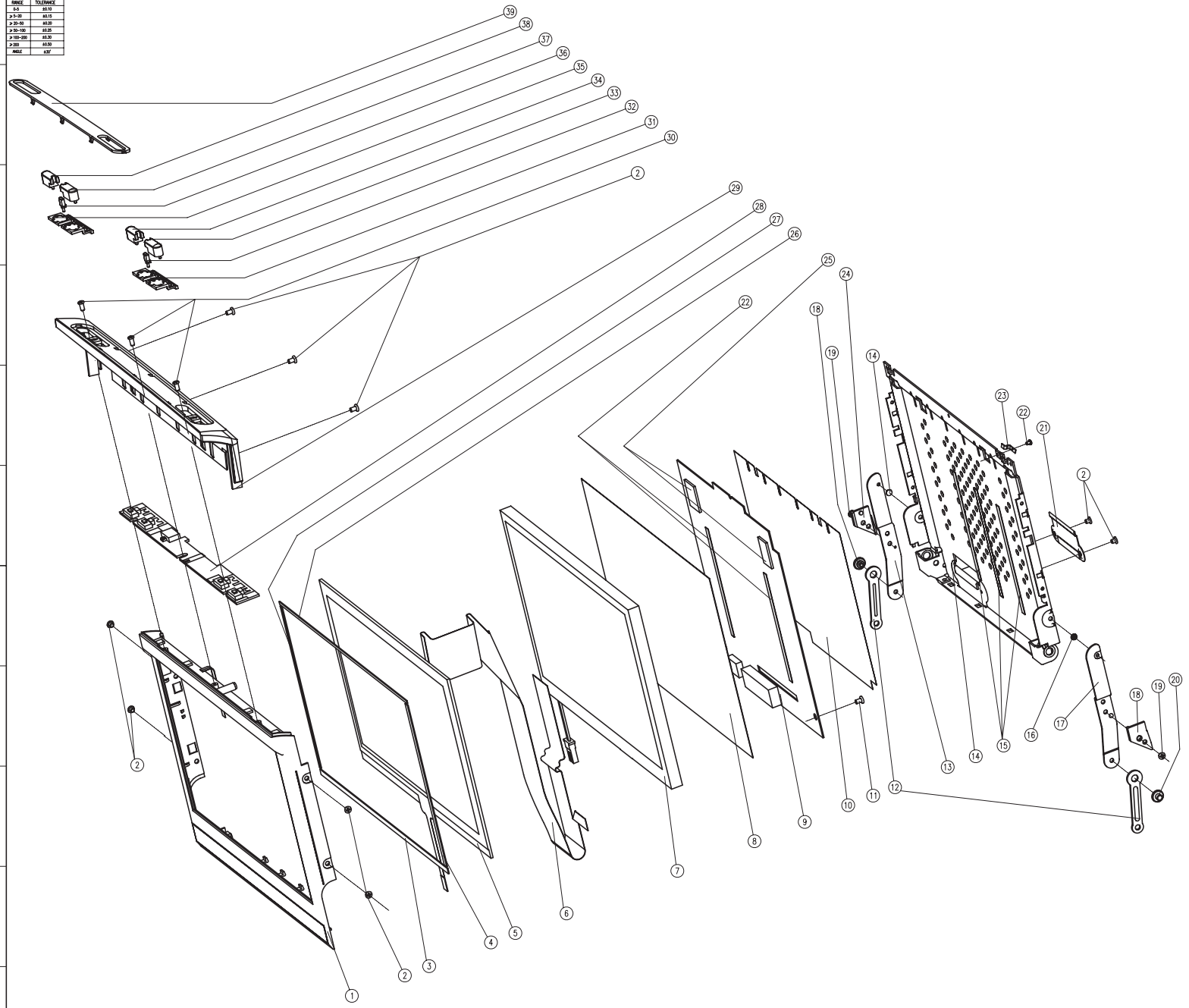
MODEL NO: DV-7721

DESCRIPTION(ENGLISH/CHINESE): CORE ASS'Y

CODE NO: DV-7721JT-106

RANGE	TOLERANCE
0-5	±0.10
> 5~30	±0.15
> 30~50	±0.20
> 50~100	±0.25
> 100~200	±0.30
> 200	±0.50
ANGLE	±30'

REV NO.	YY/MM/DD	DESCRIPTION	QTY	SIGN	APP

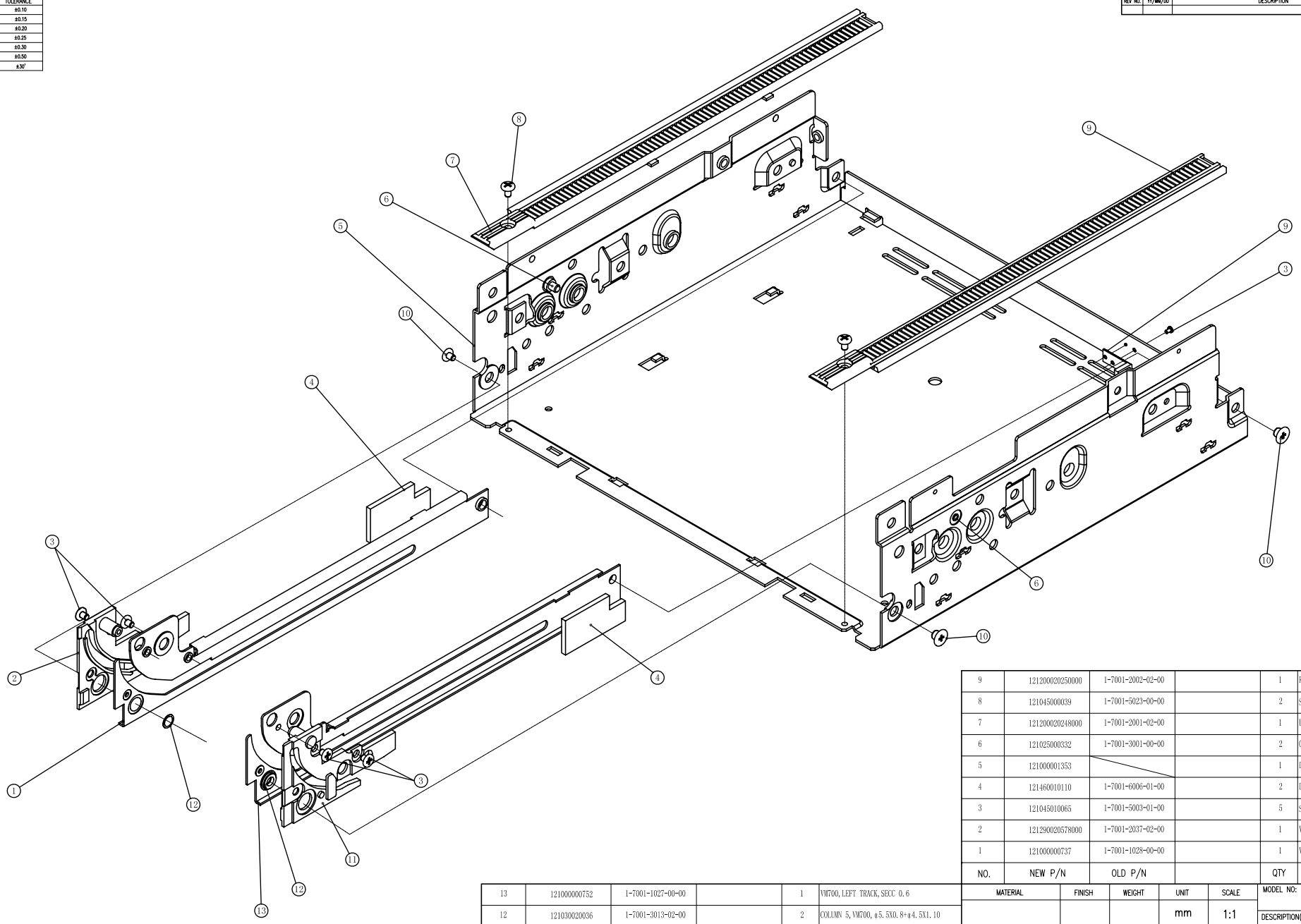


39	1212200002290015				1	DV-7720, SCREEN LENS, PC, G00
38	1212030015700028				1	DV-7720, OPEN BUTTON, ABS, GEN-BLK
37	1212030015720028				1	DV-7720, HAND BUTTON, ABS, GEN-BLK
36	1212706001420014				1	DV-7720, PRE/NEXT DECO-BLOCK, PC, PLT+TI
35	1212400005310000				1	DV-7720, BUTTHY BKT, PC, PRE/NEXT
34	1212030015710028				1	DV-7720, PRE BUTTON, ABS, GEN-BLK
33	1212030015690028				1	DV-7720, NEXT BUTTON, ABS, GEN-BLK
32	1212706001380014				1	DV-7720, OPEN BUTTON DECO-BLOCK, PC, PLT+TI
31	1212400005310000				1	DV-7720, BAND BUTTON BKT, PC
30	1211050000001				3	DV-7510, SCREW, SP, BLACK NI, 1.4#5.0MM
29	1212102005600l4				1	DV-7520, SCREEN BOT PANEL, PC+ABS, METAL, TITANIUM
28						
27	1214100000062	1-7100-6003-00-00			1	DV-710JSD, LEFT CUSHION, P0, 0.30mm
26	1214100000059	1-7100-6001-00-00			1	DV-710JSD, TOP CUSHION, 0.30mm
25	1210900010122	1-7001-1038-01-00			2	GROUND SPRING, VM700, 6.0X3.0X0.1(thickness)
24	1212400030259	1-7001-2022-03-00			1	VM700, RIGHT LINK BLOCK, POM(DR0S)
23	1410060000035				1	VM0311TS, GROUND SPRING
22	1210400003305				1	VM0311TS, SCREW M1.7X1.5
21	1210050000083	1-7001-1019-00-00			1	VM700, SCREEN WF CLIP, SUS, 0.3
20	1210250010351	1-7001-3004-01-00			2	ROCD PIN, VM700, ±0X1.3+±2.9X2.3
19	1210450100059	1-7001-5004-01-00			2	SCREW, M2X2+±3.4X0.2(BLACK)
18	1212400030261	1-7001-2022-03-00			1	VM700, LEFT LINK BLOCK, POM(DR0S)
17	1210000000754	1-7001-1010-00-00			1	VM700, LEFT LINK, SECC, 0.8
16	1210250200334	1-7001-3002-02-00			2	LINK PIN, VM700, ±3.0X0.4+±2.0X0.8+±1.5X0.9
15	1214450100067	1-7001-6014-01-00			5	DOUBLE TAPE 3.0X710,8104D
14	1410900001127	1-7100-1801-00-00			1	VM0311, SCREEN BOT BKT
13	1210000000739	1-7001-1011-00-00			1	VM700, RIGHT LINK, SECC, 0.8
12	1210000007334	1-7001-1016-00-00			2	VM700, HOOK , SECC, 1.0
11	1210450000326	1-1005-5000-00-00			2	SCREW, M2.4
10	1214600301127	1-7001-6004-03-00			1	DV710, PVC SHEET 4, PVC, 0.1
9					1	DV-7510,
8	1214150000041				1	DV-7510, PVC SHEET FOR TFT, PVC
7	1434000000078	2-7504-P001-00-00			1	TFT, TFT-LCD, A070FW01
6					1	DV-7510
5	1249800000227	2-2000-0700-06-00			1	VM-9011TS, ITO-0812, 1.4mm
4	1214100000061	1-7100-6004-00-00			1	DV-710JSD, RIGHT CUSHION, P0, 0.30mm
3	1214100000060	1-7100-6002-00-00			1	DV-710JSD, BOTTOM CUSHION, P0, 0.30mm
2	1210450040062	1-7001-5005-01-02			9	SCREW, M2X2+±3.4X0.3(BLACK)
1	1212102006561194				1	DV-7720,FR TFT PANEL,ASS'Y-PC,MCT-TI
NO.	NEW P/N	OLD P/N			QTY	REMARK

MATERIAL	FINISH	WEIGHT	UNIT	SCALE	MODEL NO: DV-7721
			mm	1:1	DESCRIPTION(ENGLISH/CHINESE): SCREEN ASS'Y/显示屏总成爆炸图
PROJECTION	SIZE	SHEET	DESIGNED BY	CHECKED BY	APPROVED BY
	A1	1/1			CODE NO: 7721JT-107

RANGE	TOLERANCE
0-5	±0.10
> 5-20	±0.15
> 20-50	±0.20
> 50-100	±0.25
> 100-200	±0.30
> 200	±0.50
ANGLE	±30'

REV NO.	YY/MM/DD	DESCRIPTION	QTY	SGN	APP



NO.	NEW P/N	OLD P/N		QTY	REMARK
9	121200020250000	1-7001-2002-02-00		1	RIGHT RACK, VM700, 170X11.2X2, POM
8	121045000039	1-7001-5023-00-00		2	SCREW, M2.0X3.0+φ4.3X1.2(Golden)
7	121200020248000	1-7001-2001-02-00		1	LEFT RACK, VM700, 170.4X11.2X2, POM
6	121025000332	1-7001-3001-00-00		2	COVER PIN , VM700, 4X1.2+φ2.5X1.7
5	121000001353			1	DV-7700, TOP COVER, SECC, T0.8
4	121460010110	1-7001-6006-01-00		2	DV710, EVA SHEET1, EVA, 2.0
3	121045010065	1-7001-5003-01-00		5	SCREW, M2X2+φ3.4X0.5(BLACK)
2	121290020578000	1-7001-2037-02-00		1	VM700, RIGHT TRACK BLOCK , POM
1	121000000737	1-7001-1028-00-00		1	VM700, RIGHT TRACK , SECC, 0.7

NO.	NEW P/N	OLD P/N		QTY	REMARK
13	121000000752	1-7001-1027-00-00		1	VM700, LEFT TRACK, SECC 0.6
12	121030020036	1-7001-3013-02-00		2	COLUMN 5, VM700, φ5.5X0.8+φ4.5X1.10
11	1212900205880000	1-7001-2036-02-00		1	VM700, LEFT TRACK BLOCK, POM
10	121045010216	1-7001-5016-01-00		4	SCREW, M3.0*2.5+φ5.5*0.4(WHITE)

MATERIAL	FINISH	WEIGHT	UNIT	SCALE	MODEL NO: DV-7721
			mm	1:1	DESCRIPTION(ENGLISH/CHINESE): RACK ASS'Y
PROJECTION	SIZE	SHEET	DESIGNED BY	CHECKED BY	APPROVED BY
	A2	1/1			CODE NO: DV-7721JT-108

CHANGE	MARKS	REF NO	DESCRIPTION	SGN	APP
	1				
	2				
	3				
	4				
	5				

DV-7781 MAINBOARD (ZR36966H)

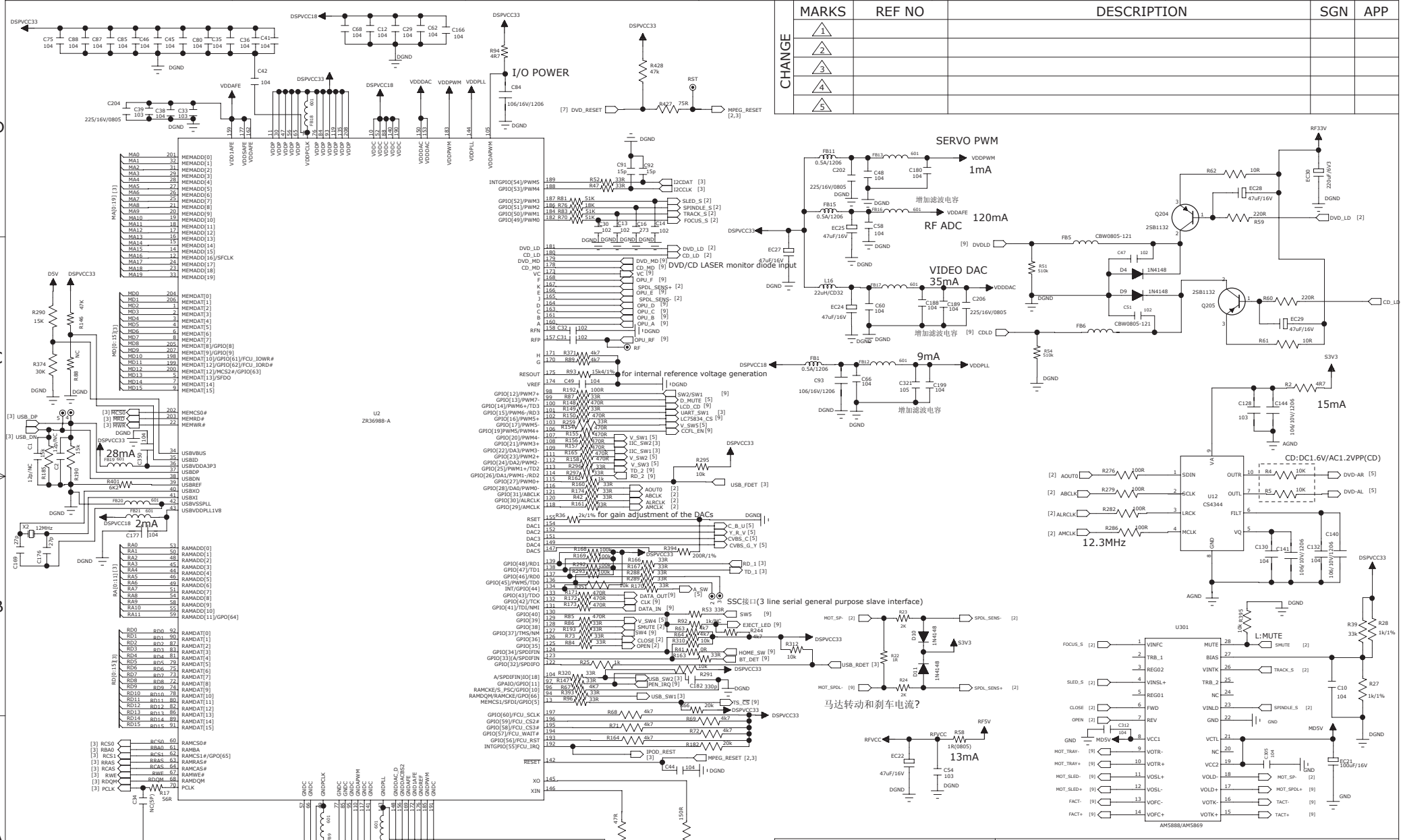
(TUNER+VIDEO+AMP+MCU+SUPPLY+MPEG)

VER03

2009-07-09

MODEL NO: DV-7781	Foryou General Electronics Co., Ltd.			
DESCRIPTION: TITLE	SHEET: 1 / 9	SCH REVISION:V03	PCB REVISION:V03	
	DRAWN BY	CHECKED BY	TECHNICS BY	APPROVED BY
CODE NO:				

CHANGE	MARKS	REF NO	DESCRIPTION	SGN	APP
	1				
	2				
	3				
	4				
	5				



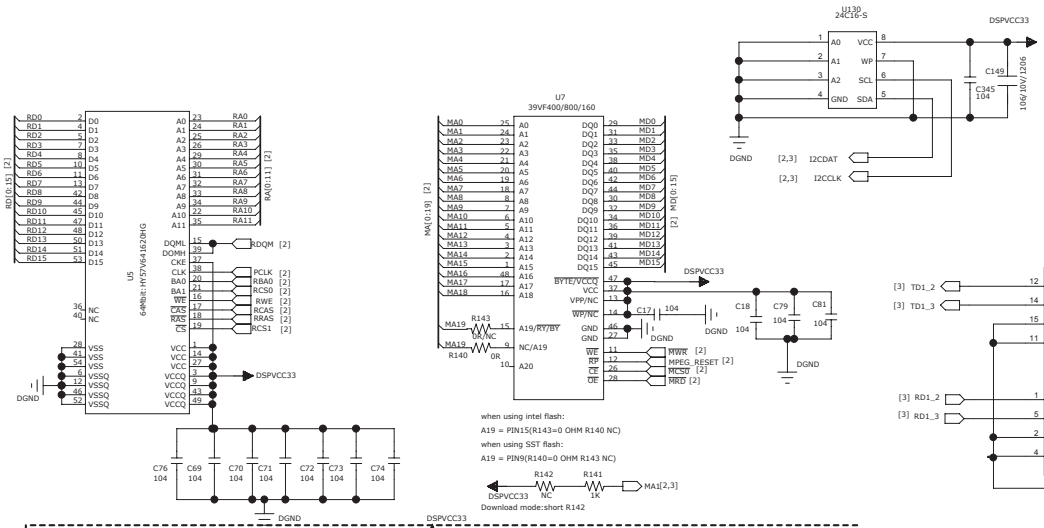
MODEL NO	DV-7780
DESCRIPTION	ZR36966/DRIVER
CODE NO:	123015020357

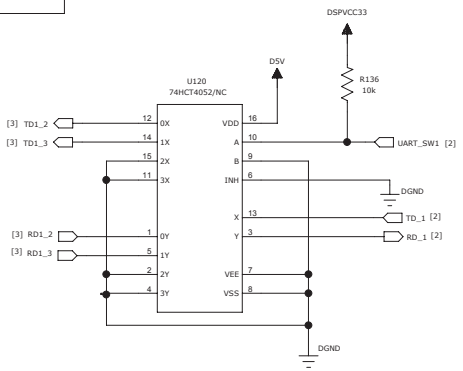
Foryou General Electronics Co., Ltd.

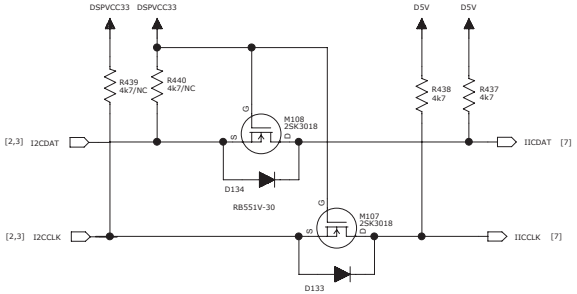
SHEET: 2 / 9	SCH REVISION:V03	PCB REVISION:V03

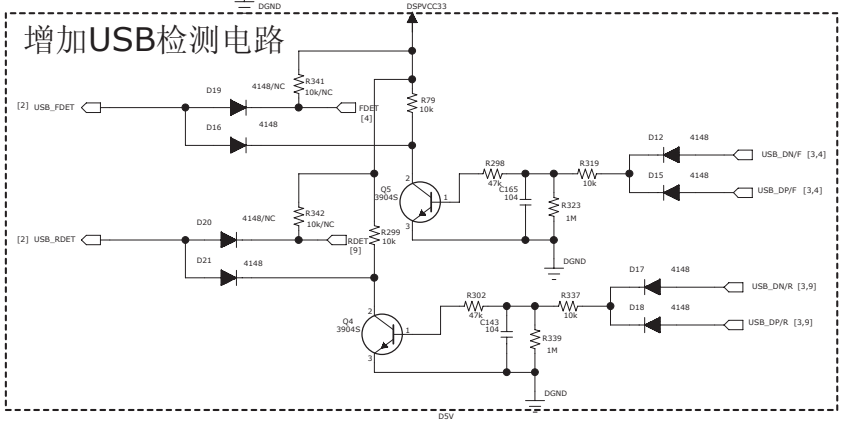
DRAWN BY	CHECKED BY	TECHNICS BY	APPROVED BY
LVBO			

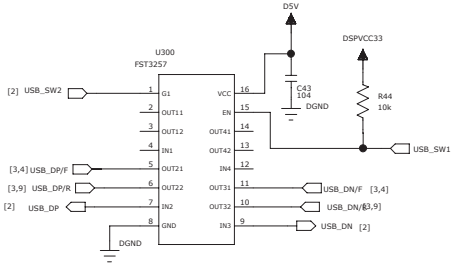
CHANGE	MARKS	REF NO	DESCRIPTION	SGN	APP
	1				
	2				
	3				
	4				
	5				

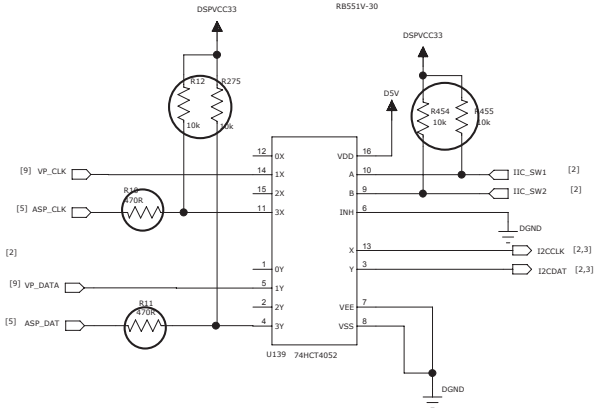


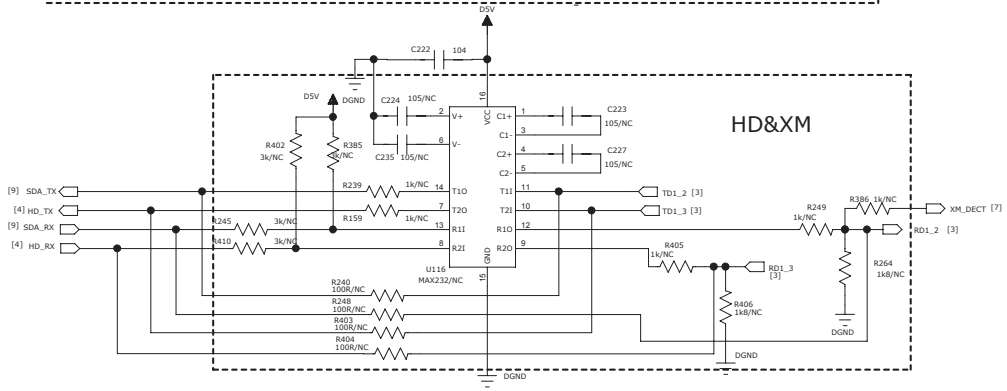


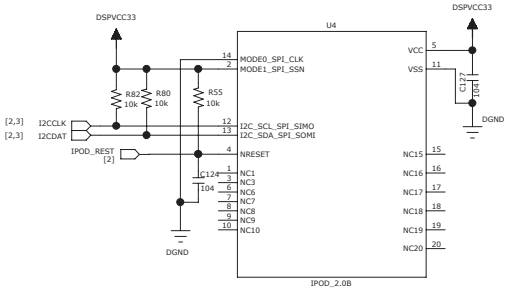








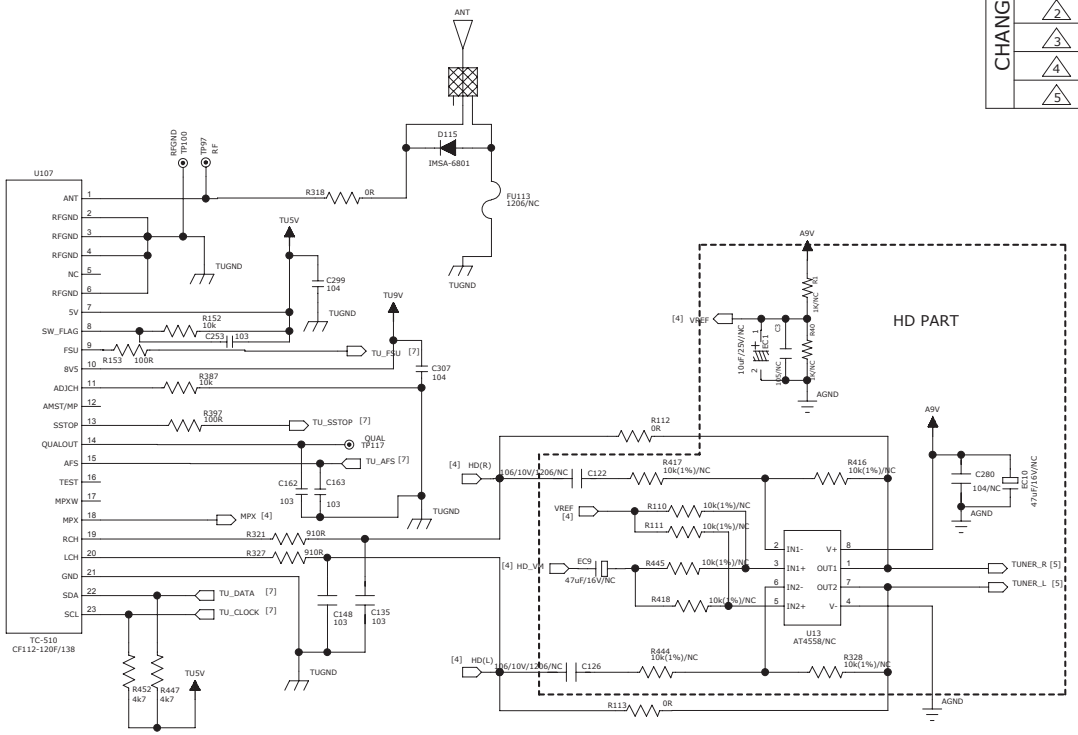


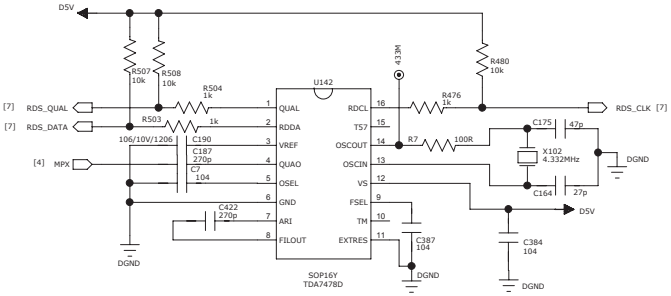


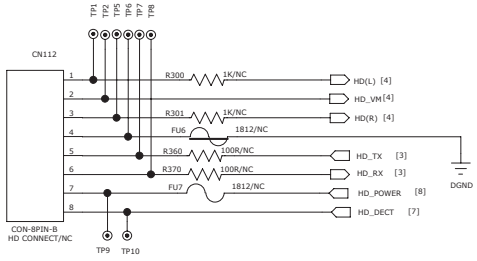
I2C daddress:0x20/0x21

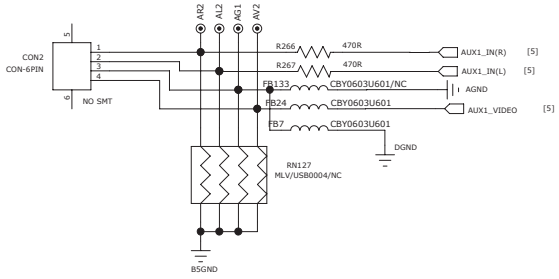
MODEL NO	DV-7780	Foryou General Electronics Co., Ltd.	
DESCRIPTION	MEMORY	SHEET: 3 / 9	SCH REVISION:V03 / PCB REVISION:V03
		DRAWN BY: LVBO	CHECKED BY / TECHNICS BY / APPROVED BY
CODE NO:	123015020357		

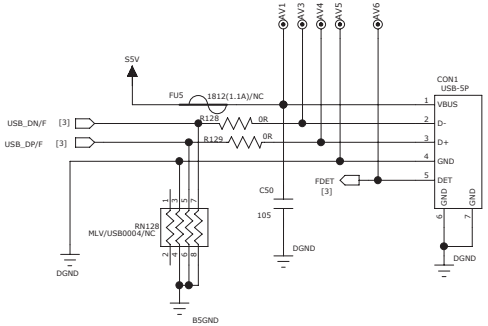
CHANGE	MARKS	REF NO	DESCRIPTION	SGN	APP
	1				
	2				
	3				
	4				
	5				



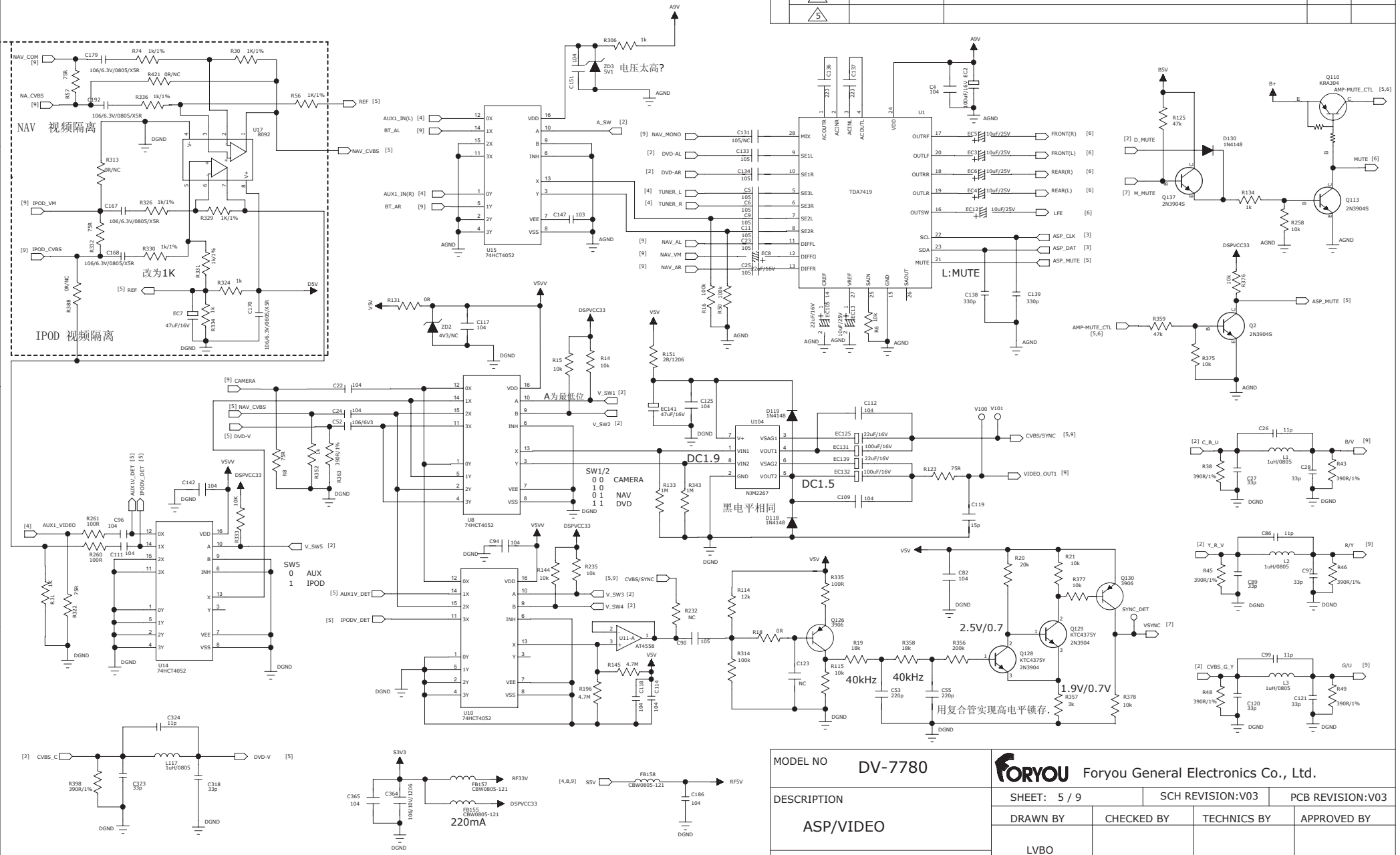








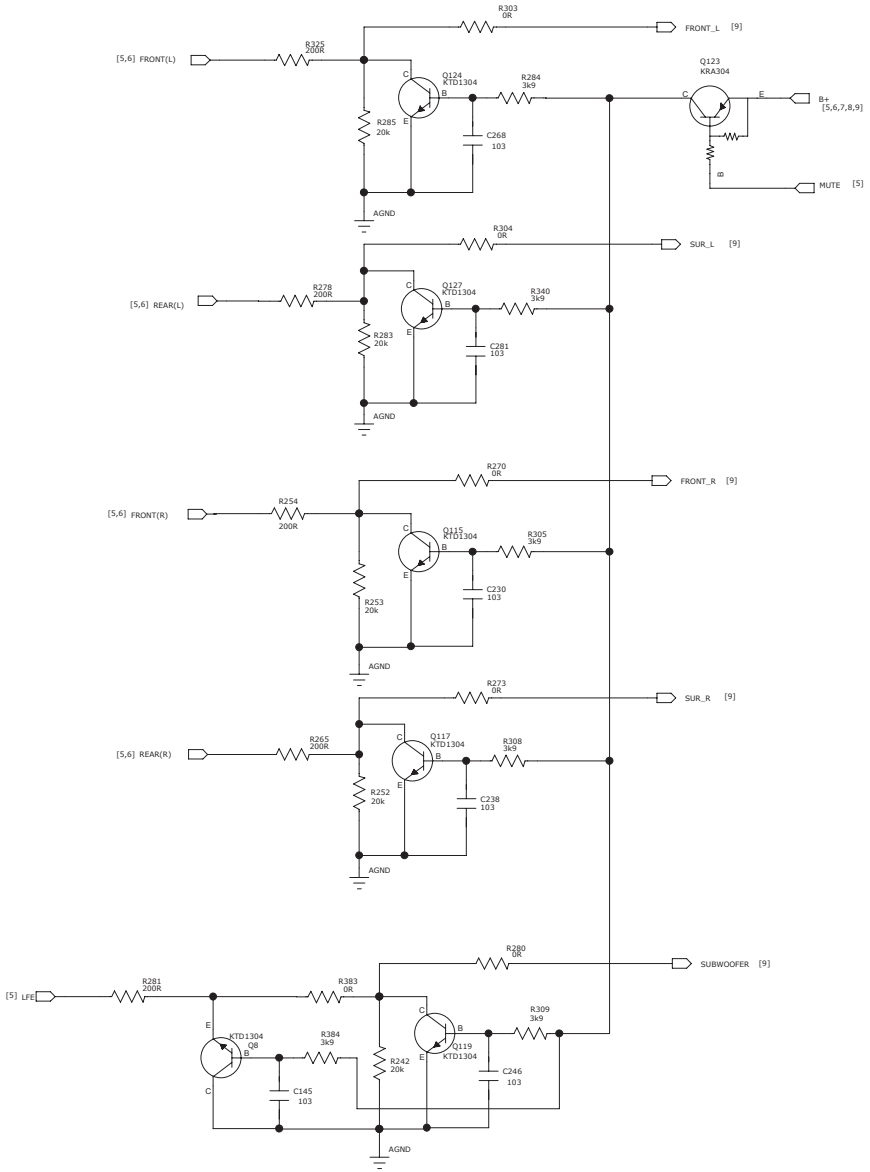
MODEL NO	DV-7780	Foryou General Electronics Co., Ltd.	
DESCRIPTION	TUNER/RDS/HD	SHEET: 4 / 9	SCH REVISION:V03 / PCB REVISION:V03
		DRAWN BY: LVBO	CHECKED BY / TECHNICS BY / APPROVED BY
CODE NO:	123015020357		

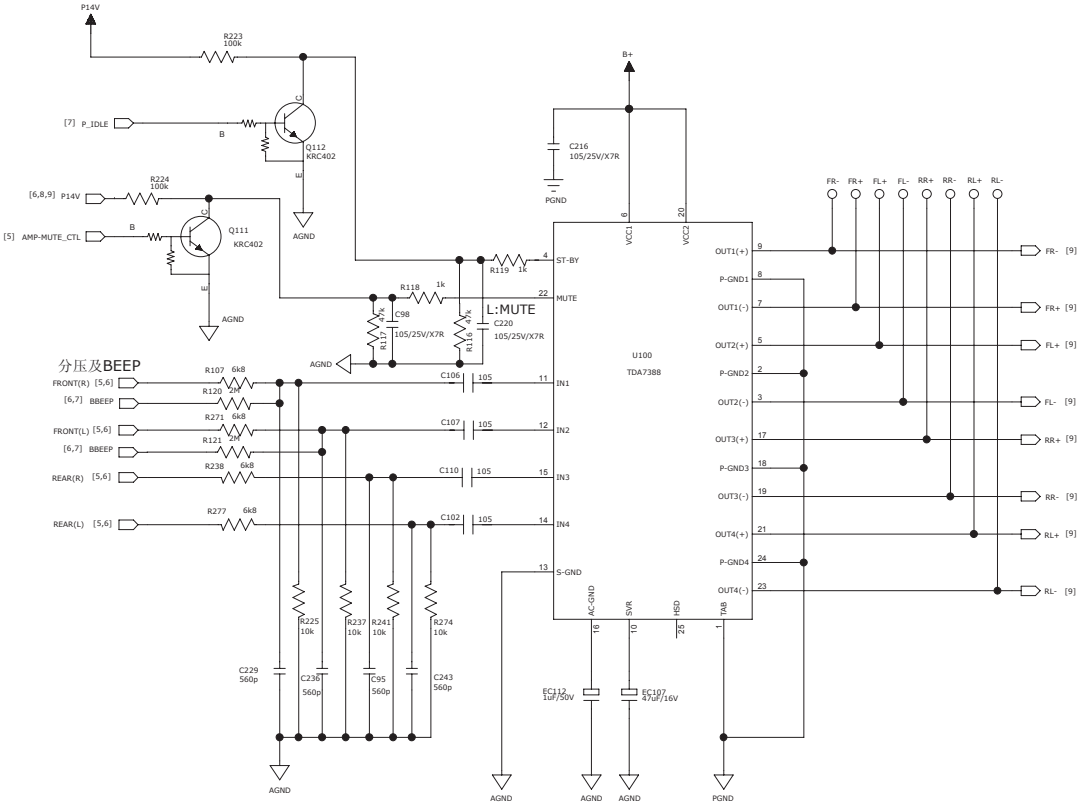


CHANGE	MARKS	REF NO	DESCRIPTION	SGN	APP
	1				
	2				
	3				
	4				
	5				

MODEL NO	DV-7780	Foryou General Electronics Co., Ltd.	
DESCRIPTION	ASP/VIDEO	SHEET: 5 / 9	SCH REVISION:V03 / PCB REVISION:V03
CODE NO:	123015020357	DRAWN BY: LVBO	CHECKED BY / TECHNICS BY / APPROVED BY

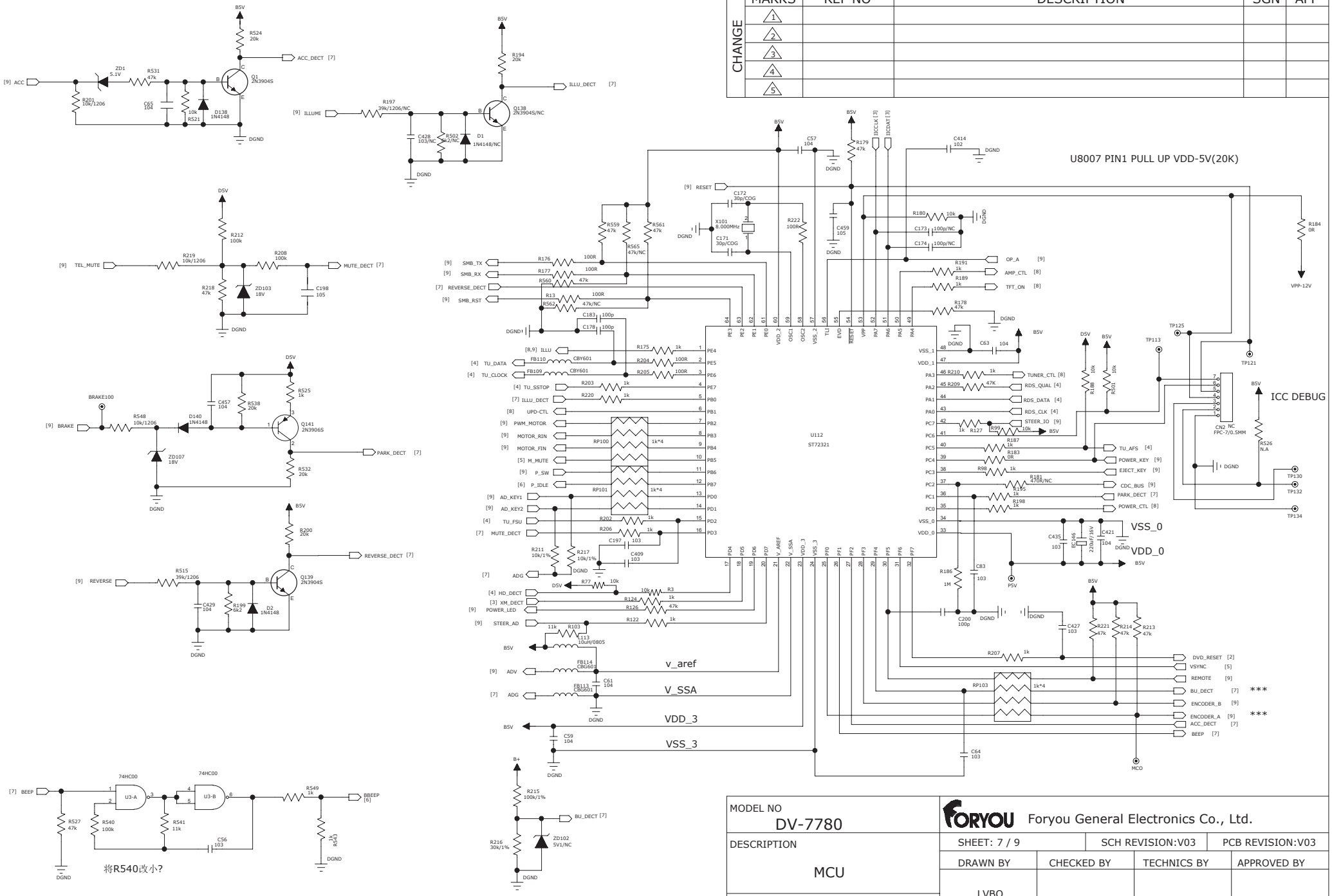
CHANGE	MARKS	REF NO	DESCRIPTION	SGN	APP
	1				
	2				
	3				
	4				
	5				



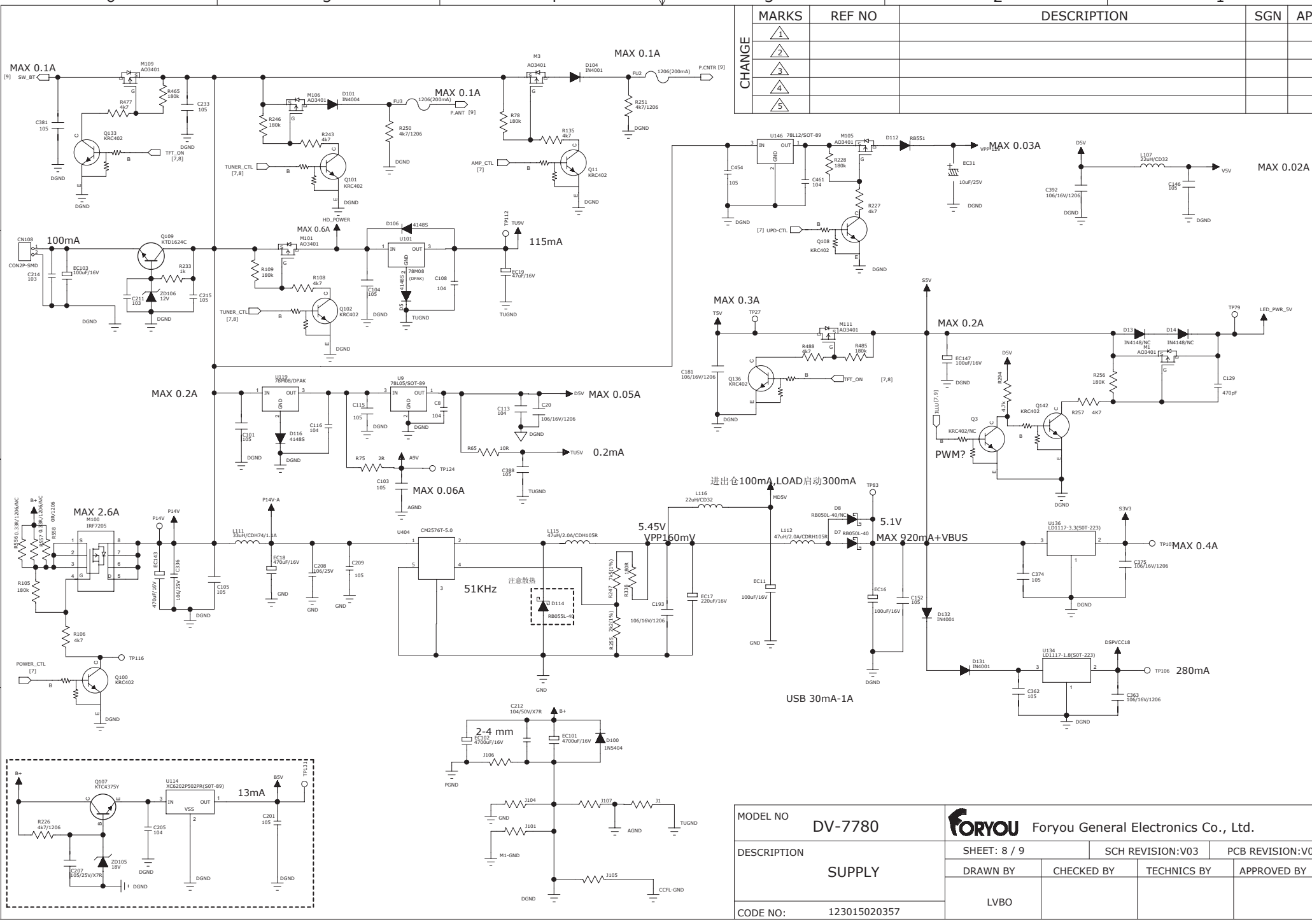


MODEL NO: DV-7780	Foryou General Electronics Co., Ltd.		
DESCRIPTION: LINEOUT/PWR-AMP	SHEET: 6 / 9	SCH REVISION:V03	PCB REVISION:V03
	DRAWN BY	CHECKED BY	TECHNICS BY / APPROVED BY
	LVBO		
CODE NO: 123015020357			

CHANGE	MARKS	REF NO	DESCRIPTION	SGN	APP
	1				
	2				
	3				
	4				
	5				



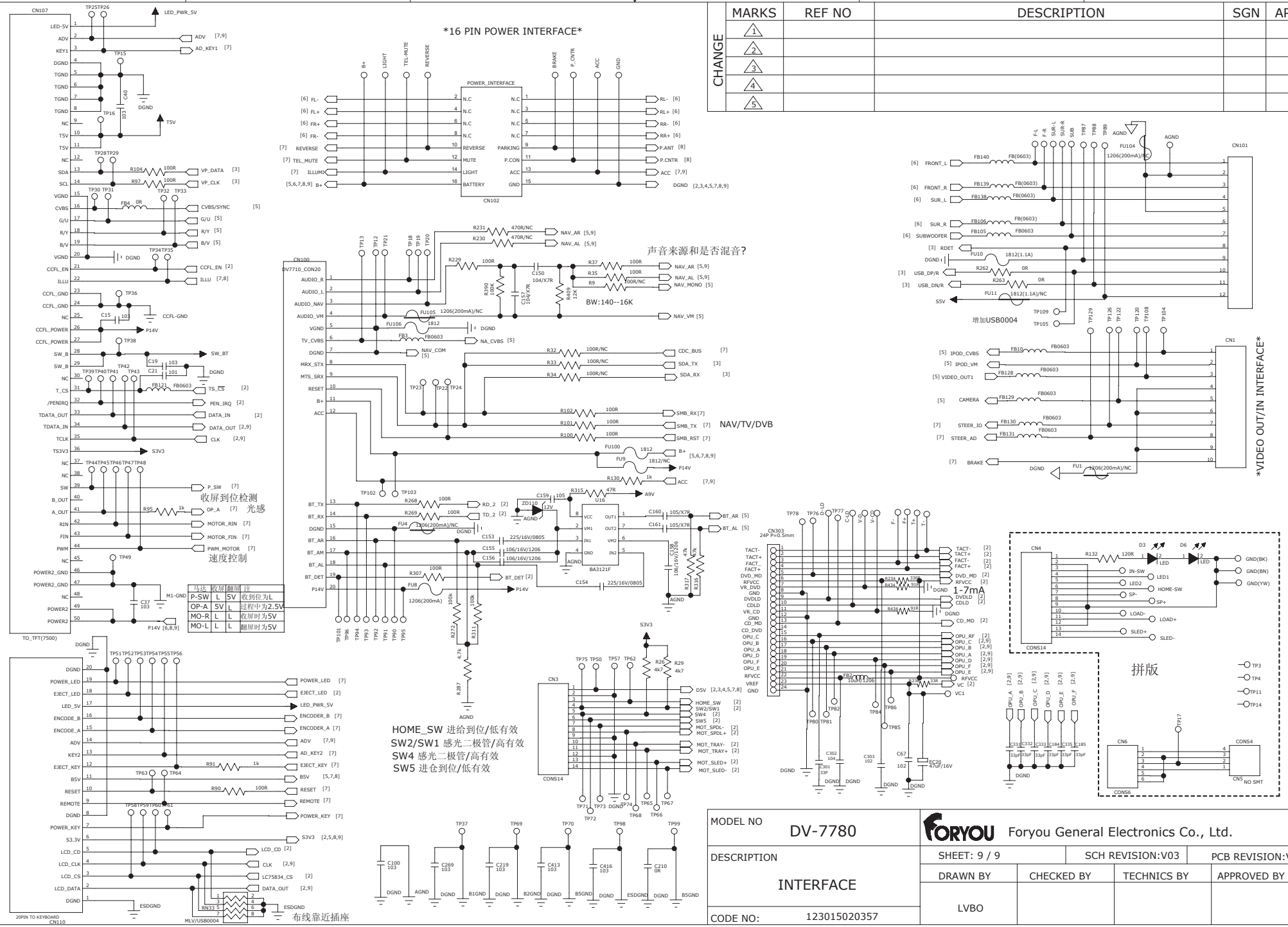
MODEL NO: DV-7780	Foryou General Electronics Co., Ltd.		
DESCRIPTION: MCU	SHEET: 7 / 9	SCH REVISION:V03	PCB REVISION:V03
	DRAWN BY	CHECKED BY	TECHNICS BY / APPROVED BY
CODE NO: 123015020357	LVBO		



CHANGE	MARKS	REF NO	DESCRIPTION	SGN	APP
	1				
	2				
	3				
	4				
	5				

MODEL NO	DV-7780	Foryou General Electronics Co., Ltd.	
DESCRIPTION	SUPPLY	SHEET: 8 / 9	SCH REVISION:V03 / PCB REVISION:V03
		DRAWN BY: LVBO	CHECKED BY / TECHNICS BY / APPROVED BY
CODE NO:	123015020357		

CHANGE	MARKS	REF NO	DESCRIPTION	SGN	APP
	1				
	2				
	3				
	4				
	5				

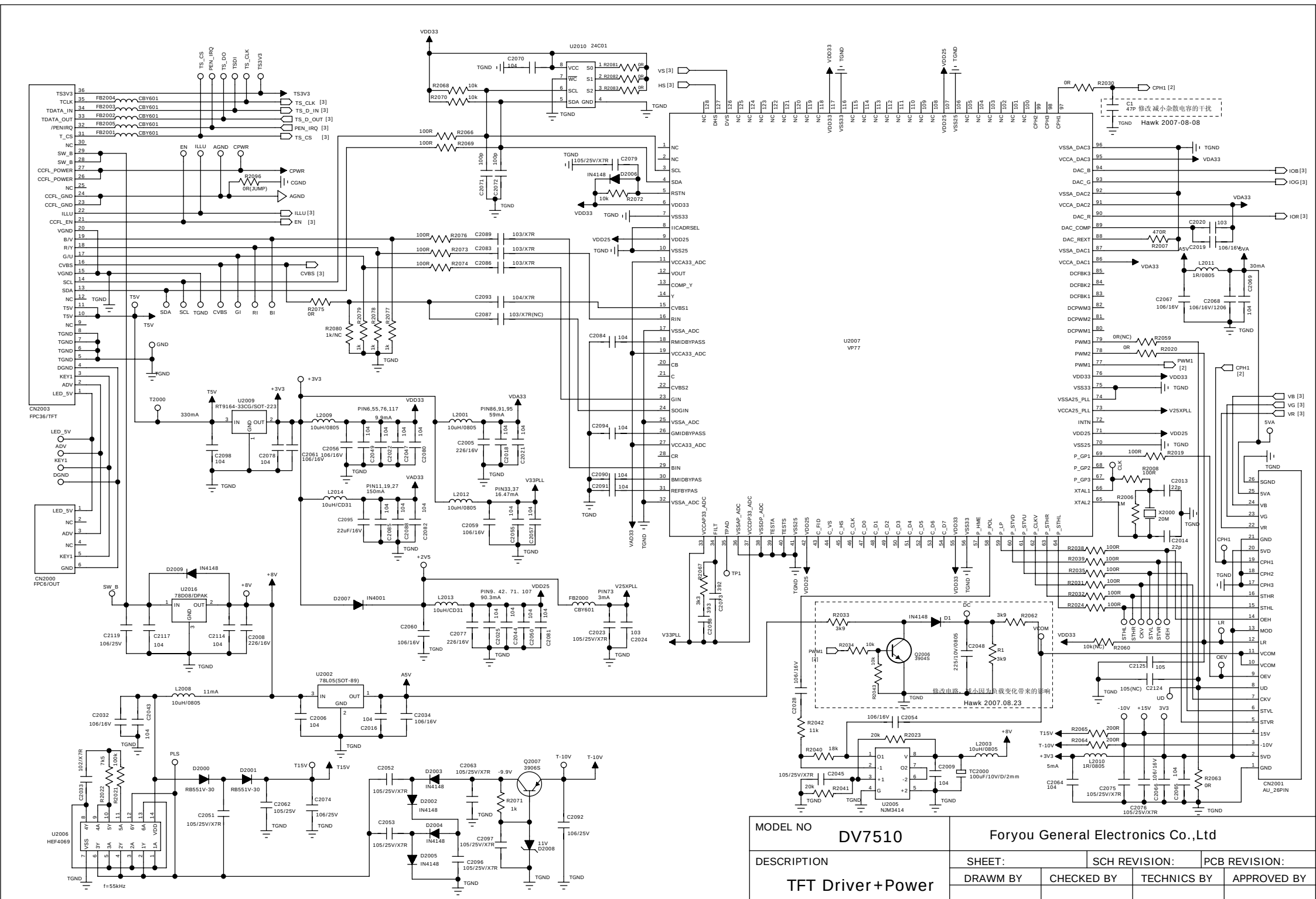


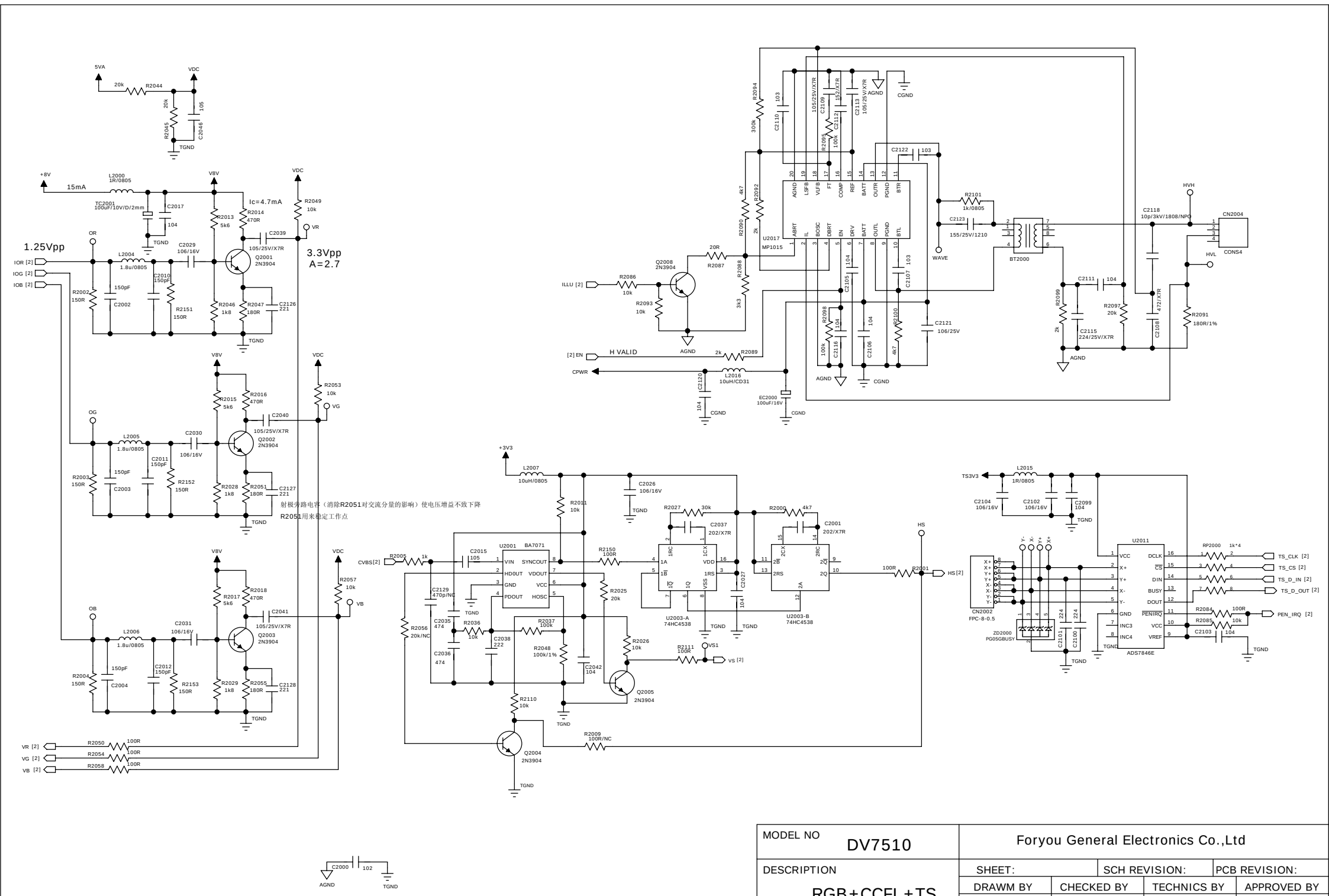
马达	收屏	翻屏	注
P-SW	L	5V	收到位为L
OP-A	5V	L	过程中为2.5V
MO-R	L	L	收屏时为5V
MO-L	L	L	翻屏时为5V

MODEL NO	DV-7780	Foryou General Electronics Co., Ltd.	
DESCRIPTION	INTERFACE	SHEET: 9 / 9	SCH REVISION:V03 / PCB REVISION:V03
		DRAWN BY: LVBO	CHECKED BY / TECHNICS BY / APPROVED BY
CODE NO:	123015020357		

DV7510 TFT驱动板原理图V02（VP77方案）

MODEL NO DV7510	Foryou General Electronics Co.,Ltd			
DESCRIPTION TITLE	SHEET:	SCH REVISION:	PCB REVISION:	
	DRAWM BY	CHECKED BY	TECHNICS BY	APPROVED BY
CODE NO				


U2010 24C01
U2007 VP77
U2009 RT9164-33CG/SOT-223
U2016 78D08/DPAK
U2002 78L05(SOT-89)
U2006 HEF4069
U2005 NJM3414
Q2007 3906S
Q2006 3904S
CN2003 FPC36/TFT
CN2000 FPC6/OUT
CN2001 AU_26PIN
T2000
X2000 20M
TC2000 100uF/10V/D/2mm
修改电路，减小因为负载变化带来的影响
Hawk 2007-08-08
Hawk 2007.08.23
MODEL NO DV7510
DESCRIPTION TFT Driver+Power
CODE NO
Foryou General Electronics Co.,Ltd
SHEET:
SCH REVISION:
PCB REVISION:
DRAWM BY
CHECKED BY
TECHNICS BY
APPROVED BY



MODEL NO DV7510	Foryou General Electronics Co.,Ltd			
DESCRIPTION RGB+CCFL+TS	SHEET:	SCH REVISION:	PCB REVISION:	
	DRAWM BY	CHECKED BY	TECHNICS BY	APPROVED BY
CODE NO				

CHANGE	MARKS	REF NO	DESCRIPTION	SGN	APP
	1				
	2				
	3				
	4				
	5				

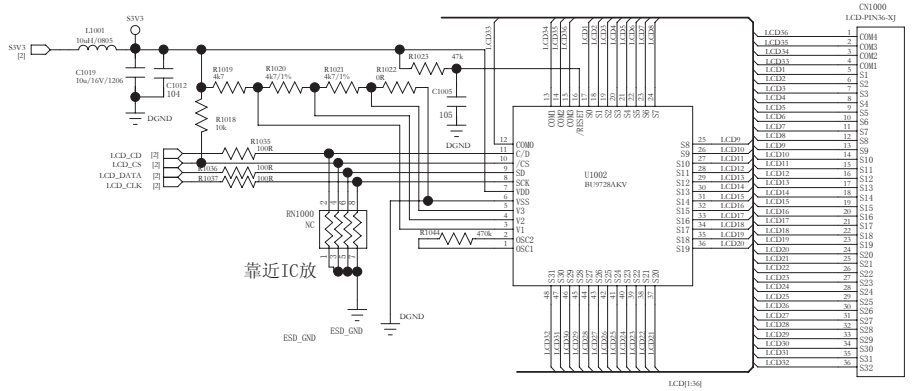
DV-7550 KEYBOARD

Ver01

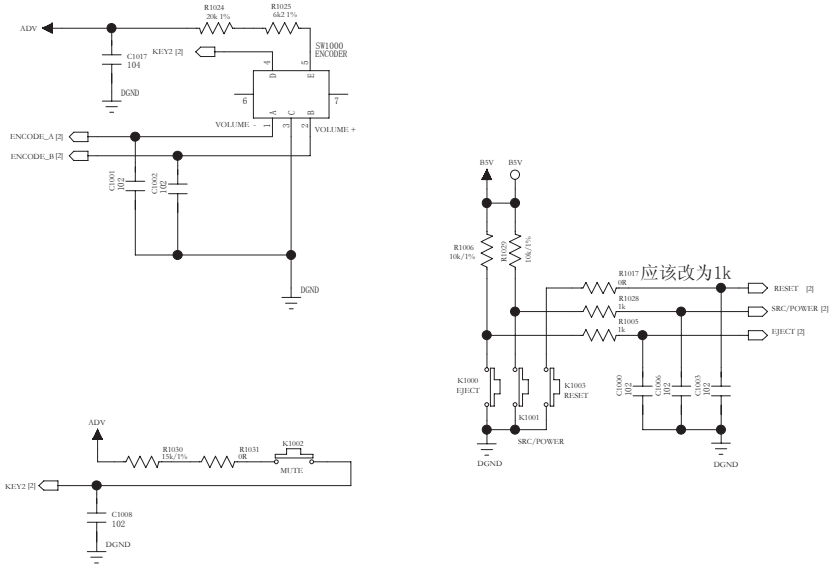
MODEL NO: DV-7550	Foryou General Electronics Co., Ltd.		
DESCRIPTION: TITLE	SHEET: 01/02	SCH REVISION: 01	PCB REVISION: 01
	DRAWN BY	CHECKED BY	TECHNICS BY / APPROVED BY
CODE NO			

CHANGE	MARKS	REF NO	DESCRIPTION	SGN	APP
	1				
	2				
	3				
	4				
	5				

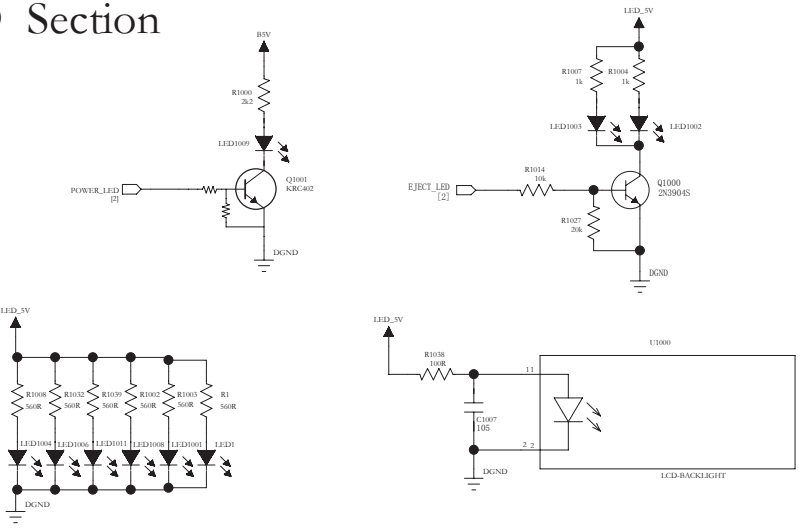
LCD Section



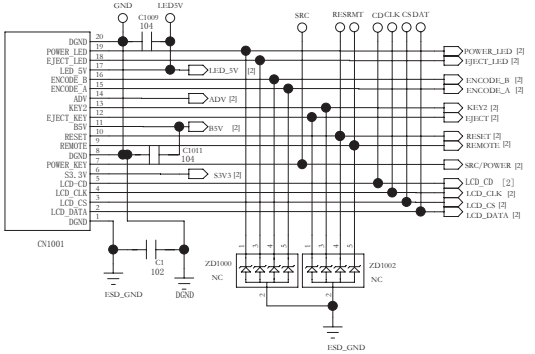
KEYS Section



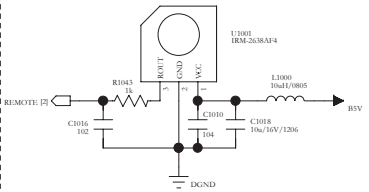
LED Section



FPC Section

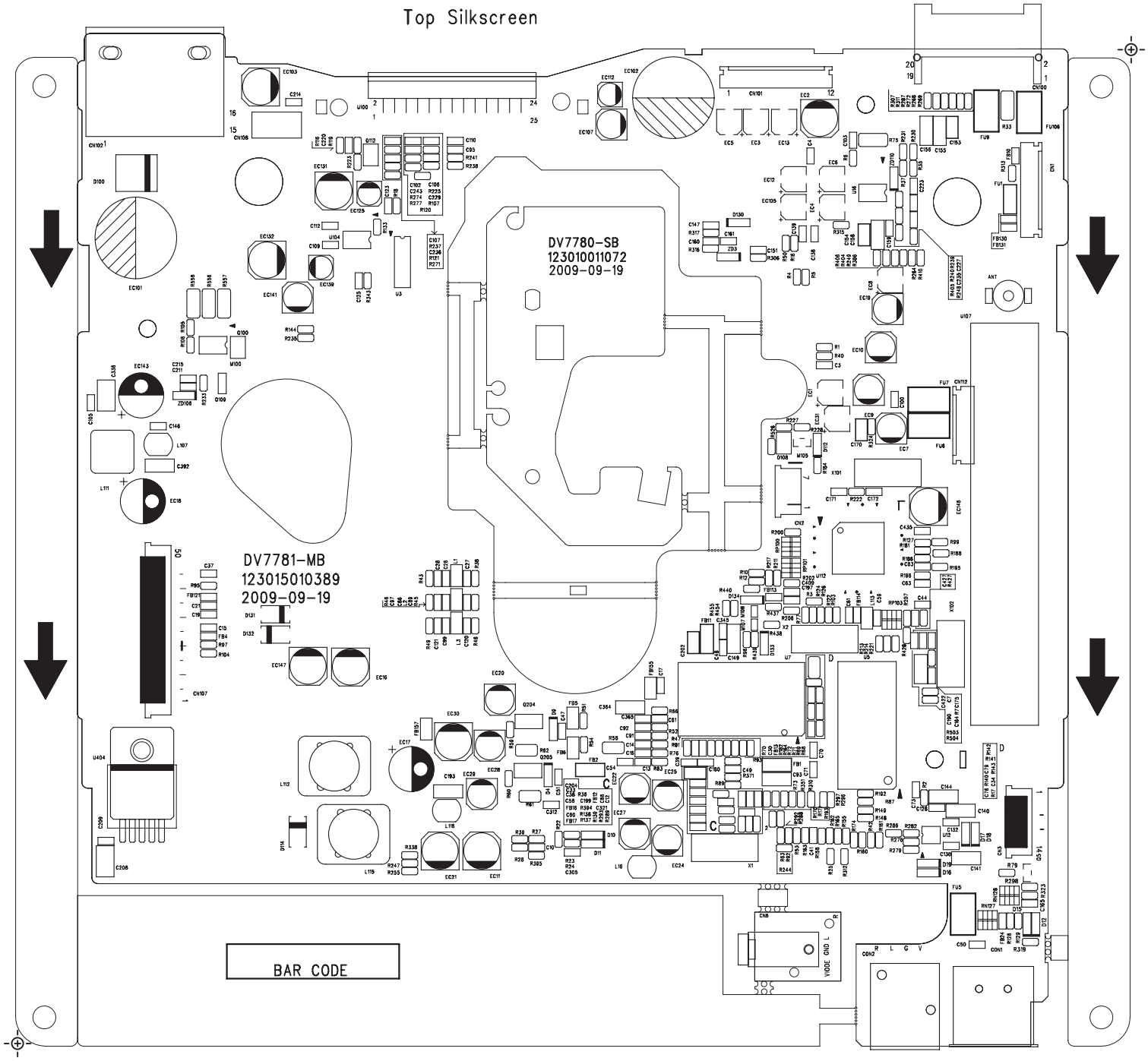


Remote Section

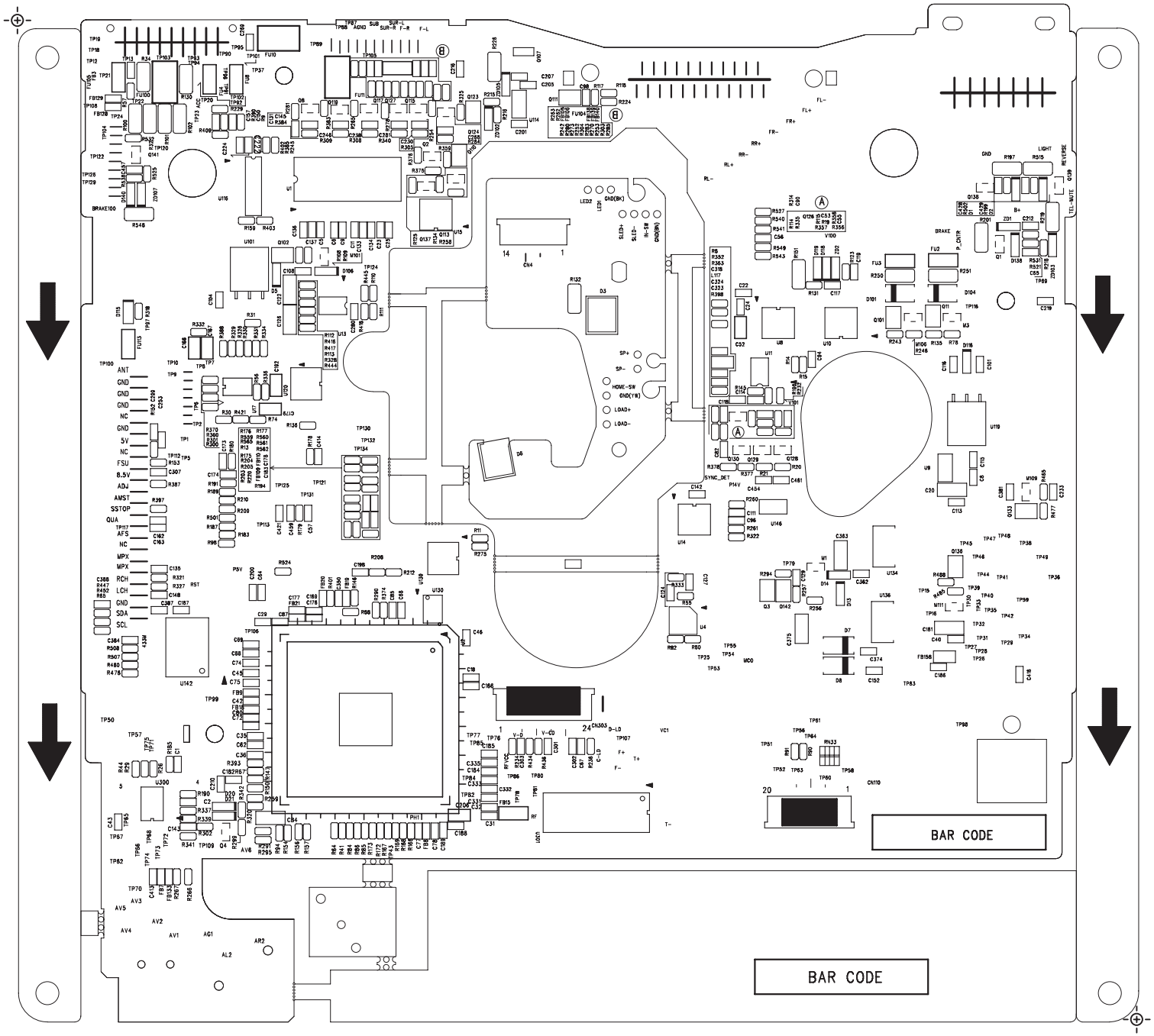


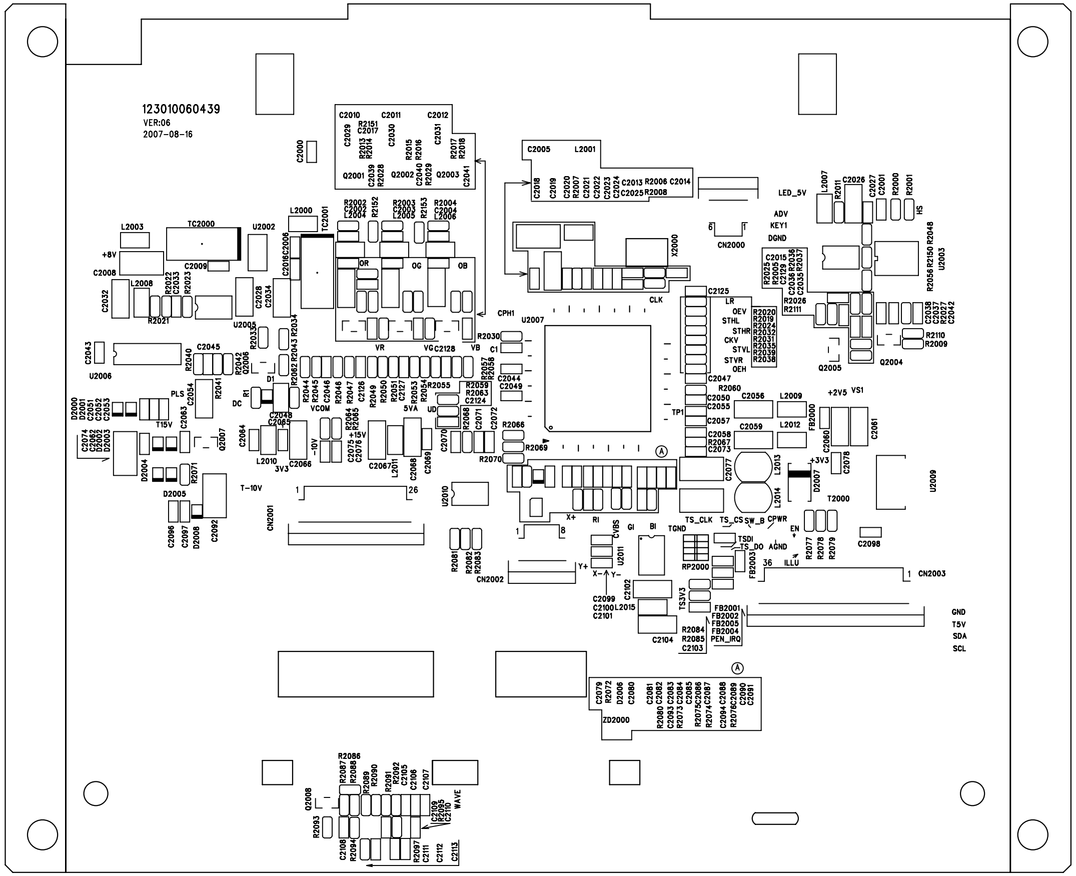
MODEL NO	DV-7550	Foryou General Electronics Co., Ltd.	
DESCRIPTION	KEY BOARD	SHEET: 02/02	SCH REVISION: 01 / PCB REVISION: 01
CODE NO	D-7500-3001-00-00	DRAWN BY / CHECKED BY / TECHNICS BY / APPROVED BY	

Top Silkscreen

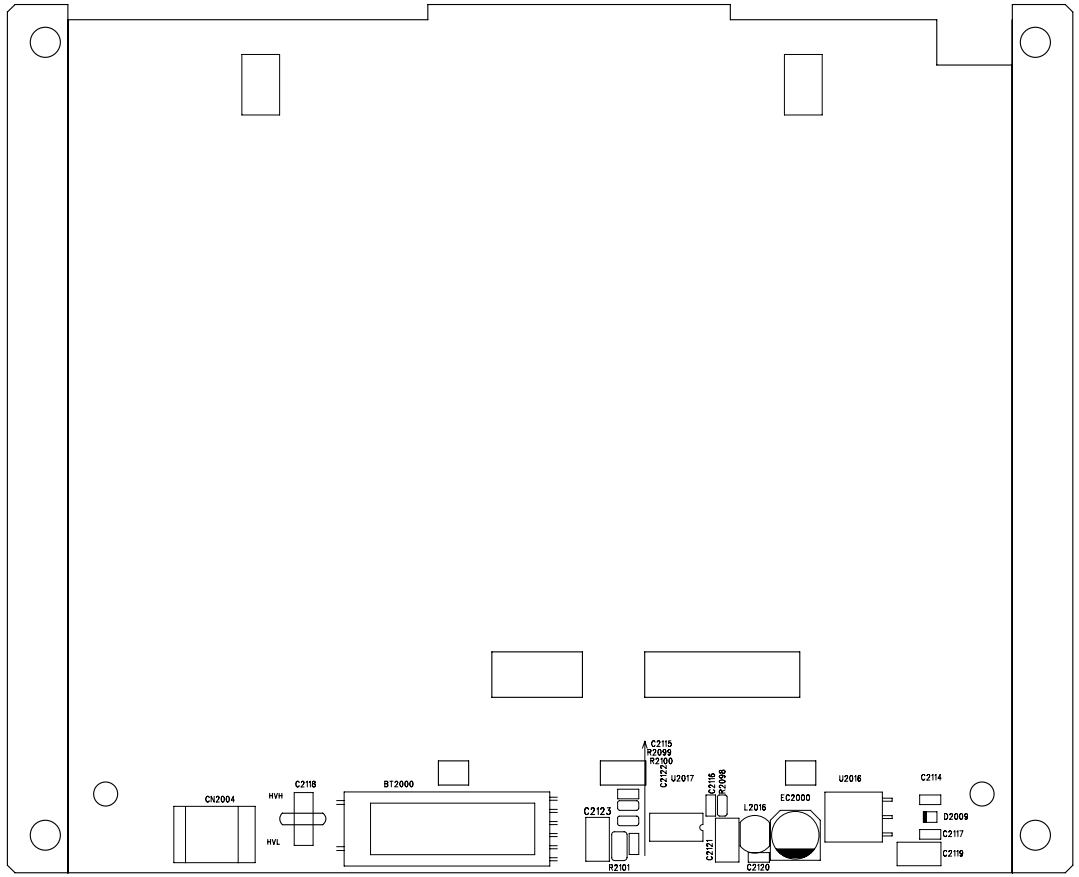


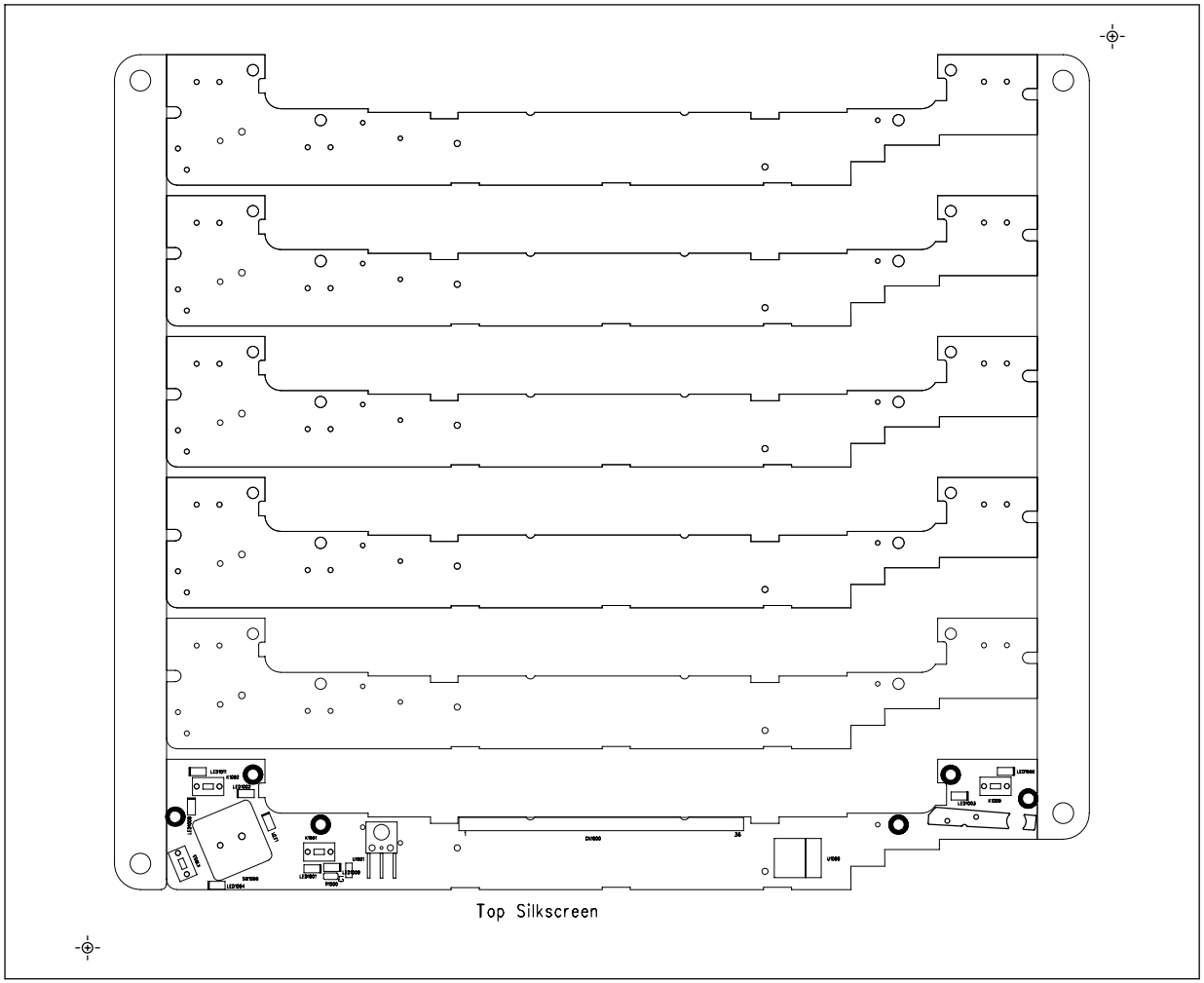
Bottom Silkscreen



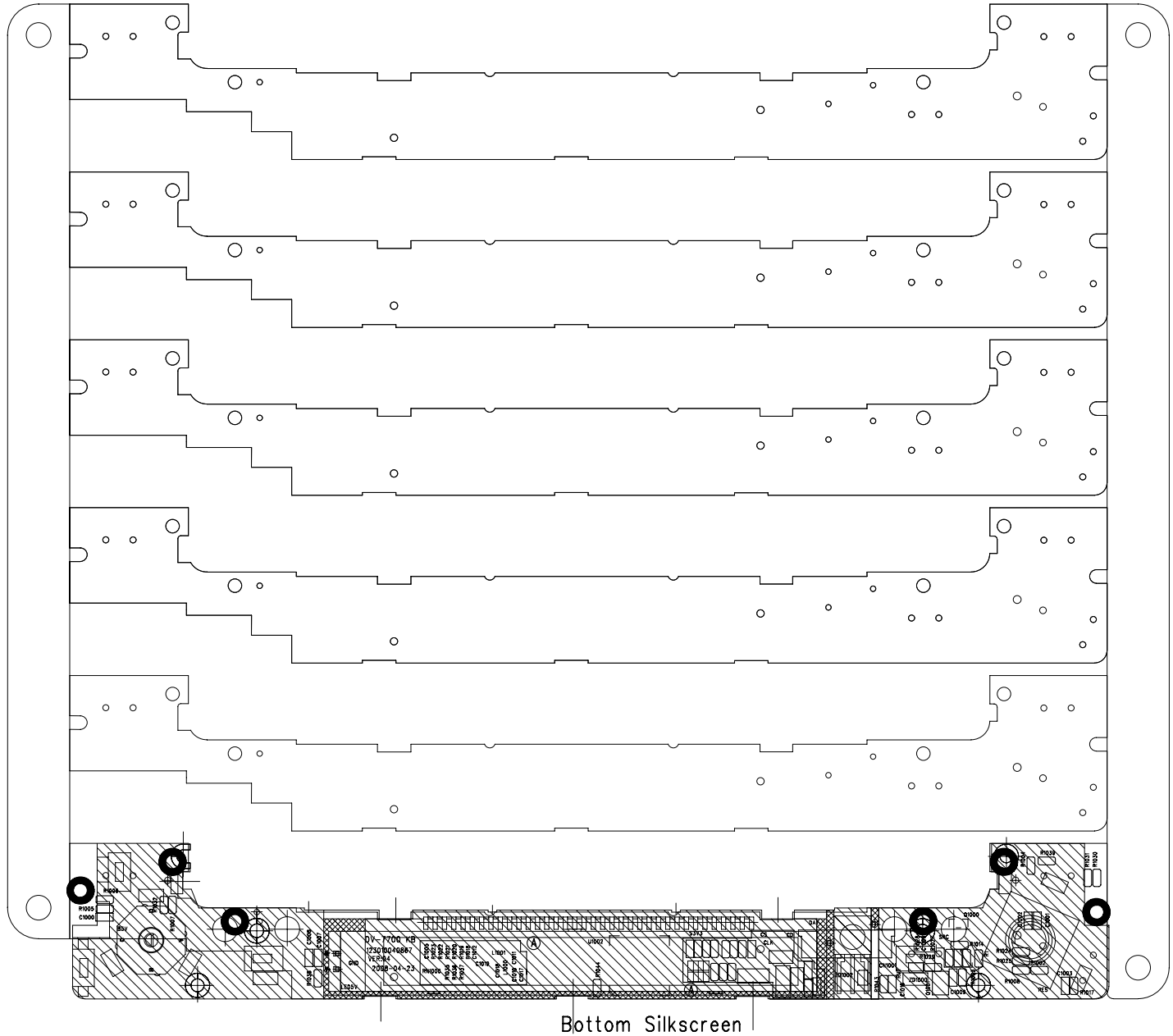


123010060439
VER:06
2007-08-16


CN2004
HVH
HVL
C2118
BT2000
C2115
R2099
R2100
C2122
C2017
C2123
R2101
C2116
R2098
C2121
L2016
C2120
EC2000
U2016
C2114
D2009
C2117
C2119



Top Silkscreen



Bottom Silkscreen

842DV7711DR003	DV7711 DR SMT ASSM	
141827000107	SMD E-CAP,100uF,±20%,6.3*5.5,16V,105℃	EC4001;
141827020476	SMD E-CAP,47uF,±20%,5*5.3,16V	EC4000 EC4003;
142000000028	INDUCTOR,10uH,0805	L4001;
141604000000	RES,0Ω,±5%,1/16W,0603	R4020 R4000;
141604000101	RES,100Ω,±5%,1/16W,0603	R4010;
141604000102	RES,1kΩ,±5%,1/16W,0603	R4004;
141604000103	RES,10kΩ,±5%,1/16W,0603	R4003;
141604000153	RES,15kΩ,±5%,1/16W,0603	R4011;
141604000203	RES,20kΩ,±5%,1/16W,0603	R4021;
141604000221	RES,220Ω,±5%,1/16W,0603	R4009;
141604000272	RES,2k7Ω,±5%,1/16W,0603	R4008;
141604000273	RES,27kΩ,±5%,1/16W,0603	R4006;
141604000471	RES,470Ω,±5%,1/16W,0603	R4005;
141604000561	RES,560Ω,±5%,1/16W,0603	R4015;
141604000563	RES,56kΩ,±5%,1/16W,0603	R4007;
141604000753	RES,75kΩ,±5%,1/16W,0603	R4013;
141608000020	RES,2Ω,±5%,1/8W,1206	R4001 R4002;
141803000103	CAP,10nF,±10%,50V,X7R,0603	C4007 C4017;
141803000104	CAP,0.1uF,+80%-20%,16V,Y5V,0603	C4001 C4003 C4004;C4002 C4008 C4011;C4005 C4009 C4013;C4012 C4014 C4015;C4016;
141803000330	CAP,33pF,±5%,50V,NPO,0603	C4006;
141803010105	CAP,1uF,+80%-20%,16V,Y5V,0603	C4018;
141809010106	CAP,10uF,+80%-20%,16V,Y5V,1206	C4000;
142200000004	SW DIODE,1N4148,200mW,300mA,SOD-323	D4000 D4001 D4002;
142400000741	IC,78L05,SOT-89,UTC	U4003;
142400000116	IC,BA6951FS,SSOP16,ROHM	U4004;
142400000198	IC,L7809CV,TO-220,ST	U4000;
143010030438	PCB,MD,DV7510,FR4,1.2,111.1*164.5,OSP,3P	板上LOGO为113010020438;
143445000002	OPTICAL ELECTRONIC COUNTER,GP1S25	U4001;
143815000020	FFC SOCKET,12P,0.5mm,DOWN CONTACT	CN4001;
842DV7711TF006	DV7711 TFT SMT ASSM	
141827000107	SMD E-CAP,100uF,±20%,6.3*5.5,16V,105℃	EC2000;
141845020107	TAN.CAP,100uF,10V,±20%Y,AVX	TC2000 TC2001;
142000000015	INDUCTOR,1.8uH,0805	L2004 L2005 L2006;

142000000028	INDUCTOR,10uH,0805	L2001 L2003 L2007;L2008 L2009 L2012;
142000000170	POWER INDUCTOR,10uH,CD31	L2013 L2014 L2016;
142040000030	CHIP BEAD,0603,600R,CBY0603U601MT	FB2000 FB2001 FB2002;FB2003 FB2004 FB2005;
142640000022	T-3386(UI9.8)	BT2000;
143805000214	SOCKET,2P,SM02B-BHSS-1-TB,PWR	CN2004;
121090010122	VM-700,GROUND SPRING	
141604000000	RES,0Ω,±5%,1/16W,0603	R2020 R2063;
141604000101	RES,100Ω,±5%,1/16W,0603	R2001 R2019 R2024;R2031 R2032 R2035;R2038 R2039 R2050;R2054 R2058 R2066;R2069 R2073 R2074;R2076 R2084 R2111;
		R2150;
141604000102	RES,1kΩ,±5%,1/16W,0603	R2005 R2071 R2077;R2078 R2079;
141604000103	RES,10kΩ,±5%,1/16W,0603	R2011 R2026 R2036;R2034 R2043 R2049;R2053 R2057 R2068;R2070 R2072 R2085;R2086 R2093;
141604000104	RES,100kΩ,±5%,1/16W,0603	R2021 R2048 R2095;R2098 R2037;
141604000105	RES,1MΩ,±5%,1/16W,0603	R2006;
141604000113	RES,11kΩ,±5%,1/16W,0603	R2042;
141604000151	RES,150Ω,±5%,1/16W,0603	R2002 R2003 R2004;R2151 R2152 R2153;
141604000181	RES,180Ω,±5%,1/16W,0603	R2047 R2055 R2051;
141604000182	RES,1k8Ω,±5%,1/16W,0603	R2028 R2029 R2046;
141604000200	RES,20Ω,±5%,1/16W,0603	R2087;
141604000201	RES,200Ω,±5%,1/16W,0603	R2064 R2065;
141604000202	RES,2kΩ,±5%,1/16W,0603	C2129 R2089 R2092;R2099;
141604000203	RES,20kΩ,±5%,1/16W,0603	R2023 R2041 R2044;R2045 R2097 R2025;
141604000303	RES,30kΩ,±5%,1/16W,0603	R2027;
141604000304	RES,300kΩ,±5%,1/16W,0603	R2094;
141604000330	RES,33Ω,±5%,1/16W,0603	R2008;
141604000332	RES,3k3Ω,±5%,1/16W,0603	R2067 R2088;
141604000392	RES,3k9Ω,±5%,1/16W,0603	R2062 R2033 R1;
141604000470	RES,47Ω,±5%,1/16W,0603	R2030;
141604000471	RES,470Ω,±5%,1/16W,0603	R2007 R2014 R2016;R2018 R2075 R2080;
141604000472	RES,4k7Ω,±5%,1/16W,0603	R2000 R2090 R2100;
141604000562	RES,5k6Ω,±5%,1/16W,0603	R2013 R2015 R2017;
141604000752	RES,7k5Ω,±5%,1/16W,0603	R2022;
141604010181	RES,180Ω,±1%,1/16W,0603	R2091;
141604010183	RES,18kΩ,±1%,1/16W,0603	R2040;

141606000010	RES,1Ω,±5%,1/10W,0805	L2000 L2010 L2011;L2015;
141606000102	RES,1kΩ,±5%,1/10W,0805	R2101;
141618000101	NET RES,100Ω*4,±5%,1/16W,0603	RP2000;
141803000101	CAP,100pF,±10%,50V,NPO,0603	C1;
141803000102	CAP,1nF,±10%,16V,X7R,0603	C2000 C2033;
141803000103	CAP,10nF,±10%,50V,X7R,0603	C2020 C2024 C2107;C2086 C2089 C2110;C2122 C2083;
141803000151	CAP,150pF,±10%,16V,X7R,0603	C2002 C2003 C2004;C2011 C2012 C2010;
141803000152	CAP,1.5nF,±10%,50V,X7R,0603	C2112;
141803000202	CAP,2nF,±10%,16V,X7R,0603	C2001 C2037;
141803000220	CAP,22pF,±5%,50V,NPO,0603	C2013 C2014;
141803000221	CAP,220pF,±10%,50V,X7R,0603	C2126 C2127 C2128;
141803000222	CAP,2.2nF,±10%,50V,X7R,0603	C2038;
141803000392	CAP,3.9nF,±10%,16V,X7R,0603	C2073;
141803000472	CAP,4.7nF,±10%,50V,X7R,0603	C2108;
141803010104	CAP,0.1uF,±10%,25V,X7R,0603	C2006 C2009 C2016;C2017 C2018 C2021;C2022 C2025 C2027;C2042 C2043 C2044;C2047 C2049 C2050;C2055 C2057 C2064;
		C2065 C2069 C2070;C2078 C2080 C2081;C2082 C2084 C2085;C2088 C2090 C2091;C2094 C2098 C2099;C2103 C2105 C2106;
		C2111 C2114 C2116;C2117 C2120 C2093;
141803010105	CAP,1uF,+80%-20%,16V,Y5V,0603	C2015 C2046 C2040;C2041 C2045 C2051;C2052 C2053 C2062;C2023 C2039 C2063;C2075 C2076 C2079;C2096 C2097 C2109;
		C2113 C2125;
141803010224	CAP,0.22uF,±10%,25V,X5R,0603	C2100 C2101 C2115;
141803010393	CAP,39nF,±10%,50V,X7R,0603	C2058;
141803010474	CAP,0.47uF,±10%,10V,X5R,0603	C2035 C2036;
141806000225	CAP,2.2uF,+80%-20%,16V,Y5V,0805	C2048;
141809010106	CAP,10uF,+80%-20%,16V,Y5V,1206	C2019 C2026 C2028;C2029 C2030 C2031;C2032 C2034 C2054;C2056 C2059 C2060;C2061 C2066 C2067;C2068 C2102 C2104;
141812000106	CAP,10uF,+80%-20%,25V,Y5V,1210	C2074 C2092 C2119;C2121;
141812000155	CAP,1.5uF,±10%,50V,X7R,1210	C2123;
141812050226	CAP,22uF,+80%-20%,25V,Y5V,2.2mm,1210	C2005 C2008 C2077;C2095;
141890000100	CAP,10pF,±5%,3KV,NPO,1808	C2118;
142200000004	SW DIODE,1N4148,200mW,300mA,SOD-323	D2002 D2003 D2004;D2005 D2006 D2009 D1;
142206000013	REC DIODE,1N4004,3A,1V,400V,SOD-106	D2007;
142224000003	ZENER DIODE,11V,300mW,SOD-323	D2008;

142233000006	SCHTTKY DIODE,RB551,0.5A,20V,SOD-323,ROM	D2000 D2001;
142245000048	TR,MMBT3906LT1(PNP),SOT-23,KEC	Q2007;
142251000001	TR,2N3904(NPN),SOT-23	Q2001 Q2002 Q2003;Q2005 Q2008 Q2006;
142290000004	ESD DIODE,PG05GBUSV,200W,24A,5G	ZD2000;
142400000741	IC,78L05,SOT-89,UTC	U2002;
142400000117	IC,BA7071,SOP8,ROHM	U2001;
142400000169	IC,HEF4069UBT,PHILIPS	U2006;
142400000257	IC,MP1015,TSSOP20,MPS	U2017;
142400000282	IC,NJM3414AM,SOP-8,JRC	U2005;
142400000068	IC,AMS1117-3V3,SOT-223,AMS	U2009;
142400000579	IC,KIA78M08,DPAK,KEC	U2016;
142400000605	IC,TSC2046IPWR,TSSOP16,TI	U2011;
142490000066	IC,74HC4538PW,PHILIPS	U2003;
142490000070	IC,VP77-LF,LQFP128,CHEERTEK	U2007;
142825000082	TCXO,20.00M,±10ppm,-20+70℃,18pF,SMD	X2000;
143010060439	PCB,VD,DV7510,FR4,0.6,141*117,OSP,1P	
143815000055	FFC SOCKET,26P,0.5mm,DOWN CONTACT	CN2001;
143815000138	FFC SOCKET,6P,0.5mm,DOWN CONTACT	CN2000;
123815000142	FFC SOCKET,8P,0.5mm,DOWN CONTACT	CN2002;
143815000146	FPC SOCKET,36P,0.5mm,SMD,UP	CN2003;
842DV7721KB004	DV7711 KB SMT ASSM	
141604000000	RES,0Ω,±5%,1/16W,0603	R1017 R1031 R1022;
141604000101	RES,100Ω,±5%,1/16W,0603	R1035 R1036 R1037;R1038;
141604000222	RES,2k2Ω,±5%,1/16W,0603	R1000;
141604000474	RES,470kΩ,±5%,1/16W,0603	R1044;
141604000561	RES,560Ω,±5%,1/16W,0603	R1002 R1004;R1007 R1008 R1032;R1039 R1;
141604010102	RES,1kΩ,±1%,1/16W,0603	R1043 R1028 R1005;
141604010103	RES,10kΩ,±1%,1/16W,0603	R1006 R1029 R1014;R1018;
141604010153	RES,15kΩ,±1%,1/16W,0603	R1030;
141604010203	RES,20kΩ,±1%,1/16W,0603	R1024 R1027;
141604010472	RES,4k7Ω,±1%,1/16W,0603	R1019 R1020 R1021;
141604010473	RES,47kΩ,±1%,1/16W,0603	R1023;
141604010622	RES,6k2Ω,±1%,1/16W,0603	R1025;
141668000004	V-RES,AVX,USB0004RP,0603*4,10p,18V	RN1000;
141803000102	CAP,1nF,±10%,16V,X7R,0603	C1000 C1001 C1002;C1003 C1006 C1008;C1016;

141803000104	CAP,0.1uF,+80%-20%,16V,Y5V,0603	C1009 C1010 C1011;C1012 C1017;
141803010105	CAP,1uF,+80%-20%,16V,Y5V,0603	C1005 C1007;
141809010106	CAP,10uF,+80%-20%,16V,Y5V,1206	C1018 C1019;
142000000028	INDUCTOR,10uH,0805	L1000 L1001;
142290000004	ESD DIODE,PG05GBUSV,200W,24A,5G	ZD1000 ZD1002;
142290000012	TR,KRC402,USM	Q1001;
142251000001	TR,2N3904(NPN),SOT-23	Q1000;
142400000581	IC,BU9728AKV-E2,VQFP48,ROHM	U1002;
143010040867	PCB,KB,DV7710,FR4,1.6,187*160,OSP,6P	
123210000026	TACT SW,3.5mm,TS-03M-BS/RS,180gf,SMD	K1000 K1002 K1003; K1001;
143405000036	LED,RED,FC-1608SEK-624C,0603,10mA	LED1009;
143405000052	LED,W,19-213/W1D-ANPHY/3T-YUG,0603,25mA	LED1001 LED1002;LED1003 LED1004;LED1006 LED1008;LED1011 LED1;
123815000043	FFC SOCKET,20P,0.5mm,UPPER CONTACT	CN1001;
141604000432	RES,4k3Ω,±5%,1/16W,0603	R1003;
144840010053	DECK,DL-08H,+HOP1200W-B,PICK UP	
843DV7781MB001	DV7781 MB MI ASSM	
141842030227	E.CAP,220uF,±20%,8*5,16V,105℃	EC17;
141842000478	E.CAP,4700uF,±20%,14*26,16V,105℃	EC101 EC102;
141842060477	E.CAP,470uF,±20%,8*12,16V,85° C	EC143;
141842060477	E.CAP,470uF,±20%,8*12,16V,85° C	EC18;
123805000123	SOCKET,10P,1.5mm,DIP 180°	CN1;
123805000306	SOCKET,12P,1.5mm,DIP180°	CN101;
123805000555	SOCKET, 20P,2mm,DIP90°	CN100;
142400000909	IC,LM2576T-ADJ,TO220,HN	U404;
143805000022	SOCKET,16P,2.5mm,DIP 90° ,WHITE	CN102;
144815000118	TUNER,KST-CF111LVD-138,FM/AM	U107;
142400000592	IC,TDA7388,FLEXIWATT25,ST	U100;
842DV7781MB001	DV7781 MB SMT ASSM	
141604000000	RES,0Ω,±5%,1/16W,0603	C210 R128 R129;R131 R183 R184;R262 R263 R41;R140 R18 R112;R113 R318 R270;R273 R280 R303;R304 R383 FB4;
141604000010	RES,1Ω,±5%,1/16W,0603	R22;
141604000047	RES,4Ω7,±5%,1/16W,0603	R94 R2;
141604000100	RES,10Ω,±5%,1/16W,0603	R65;
141604000101	RES,100Ω,±5%,1/16W,0603	R13 R35 R37 R90;R97 R104 R176;R177 R204 R205;R222 R229 R268;R269 R276 R279;R282 R286 R307;R192 R335 R261;

		R260 R153 R397;R7;
141604000102	RES,1kΩ,±5%,1/16W,0603	R91 R95 R98;R118 R119 R122;R124 R127 R134;R175 R187 R189;R191 R195 R198;R202 R203 R206;R207 R210 R220;
		R233 R306 R324;R334 R543 R549;R27 R28 R74 R326;R331 R336 R31;R352 R476 R503;R504 R525 R141;R330 R162 R25;
141604000103	RES,10kΩ,±5%,1/16W,0603	R6 R12 R14 R15;R44 R99 R136;R144 R180 R188;R225 R235 R237;R241 R258 R274;R275 R291 R351;R375 R376 R395;
		R454 R455 R501;R521 R3 R77 R295;R312 R55 R80 R82;R4 R5 R333 R21;R115 R377 R378;R152 R387 R480;R507 R508 R310;
		R299 R79 R319 R337;
141604000104	RES,100kΩ,±5%,1/16W,0603	R390 R16 R50;R208 R212 R223;R224 R272 R311;R540 R168 R169;R292 R293 R314;
141604000105	RES,1MΩ,±5%,1/16W,0603	R133 R343 R186;R323 R339;
141604000113	RES,11kΩ,±5%,1/16W,0603	R103 R541;
141604000123	RES,12kΩ,±5%,1/16W,0603	R409 R114;
141604000153	RES,15kΩ,±5%,1/16W,0603	R290 R93;R185 R190;
141604000183	RES,18kΩ,±5%,1/16W,0603	R19 R358 R76;
141604000184	RES,180kΩ,±5%,1/16W,0603	R78 R105 R109;R246 R485 R256;R228 R465;
141604000201	RES,200Ω,±5%,1/16W,0603	R254 R265 R278;R281 R325;
141604000202	RES,2kΩ,±5%,1/16W,0603	R23 R24;
141604000203	RES,20kΩ,±5%,1/16W,0603	R200 R242 R252;R253 R283 R285;R524 R538 R20;R66 R182 R532;R194;
141604000204	RES,200kΩ,±5%,1/16W,0603	R356;
141604000205	RES,2MΩ,±5%,1/16W,0603	R120 R121;
141604000221	RES,220Ω,±5%,1/16W,0603	R59 R60;
141604000224	RES,220kΩ,±5%,1/16W,0603	R137;
141604000302	RES,3kΩ,±5%,1/16W,0603	R357;
141604000330	RES,33Ω,±5%,1/16W,0603	R42 R47 R52 R53;R73 R84 R86 R87;R96 R147 R149;R160 R161 R163;R166 R167 R170;R174 R193 R236;R288 R289 R296;
		R297 R320 R393;R259;
141604000333	RES,33kΩ,±5%,1/16W,0603	R39;
141604000392	RES,3k9Ω,±5%,1/16W,0603	R284 R305 R308;R309 R340 R384;
141604000470	RES,47Ω,±5%,1/16W,0603	R139 R315;
141604000471	RES,470Ω,±5%,1/16W,0603	R85 R148 R150;R154 R155 R156;R157 R158 R165;R171 R173 R10;R11 R266 R267;R172;
141604000472	RES,4k7Ω,±5%,1/16W,0603	R26 R29 R68 R69;R71 R72 R106;R108 R135 R164;R243 R437 R438;R488 R287 R63;R64 R89 R244;R371 R257 R227;
		R447 R452 R477;R294 R67;

141604000473	RES,47kΩ,±5%,1/16W,0603	R116 R117 R126;R178 R179 R213;R214 R218 R221;R316 R317 R359;R428 R527 R559;R560 R561 R531;R209 R146 R125;
		R298 R302;
141604000475	RES,4.7MΩ,±5%,1/16W,0603	R145 R196;
141604000181	RES,180Ω,±5%,1/16W,0603	R338;
141604000513	RES,51kΩ,±5%,1/16W,0603	R70 R81 R83;
141604000514	RES,510kΩ,±5%,1/16W,0603	R51 R54;
141604000560	RES,56Ω,±5%,1/16W,0603	R17;
141604000622	RES,6k2Ω,±5%,1/16W,0603	R199 R401;
141604000682	RES,6.8kΩ,±5%,1/16W,0603	R107 R238;R271 R277;
141604000750	RES,75Ω,±5%,1/16W,0603	R8 R57 R123;R322 R427 R332;
141604000910	RES,91Ω,±5%,1/16W,0603	R434 R436;
141604000911	RES,910Ω,±5%,1/16W,0603	R321 R327;
141604010102	RES,1kΩ,±1%,1/16W,0603	R30 R56 R329;
141604010103	RES,10kΩ,±1%,1/16W,0603	R211 R217;
141604010104	RES,100kΩ,±1%,1/16W,0603	R215;
141604010151	RES,150Ω,±1%,1/16W,0603	R138;
141604010201	RES,200Ω,±1%,1/16W,0603	R394;
141604010202	RES,2kΩ,±1%,1/16W,0603	R36;
141604010222	RES,2k2Ω,±1%,1/16W,0603	R255;
141604010303	RES,30kΩ,±1%,1/16W,0603	R374 R216;
141604010331	RES,330Ω,±1%,1/16W,0603	R234;
141604010391	RES,390Ω,±1%,1/16W,0603	R38 R43 R45;R46 R48 R49;R398;
141604010391	RES,390Ω,±1%,1/16W,0603	R363;
141604010752	RES,7k5,±1%,1/16W,0603	R247;
141606000010	RES,1Ω,±5%,1/10W,0805	R58;
141606000100	RES,10Ω,±5%,1/10W,0805	R61 R62;
141608000020	RES,2Ω,±5%,1/8W,1206	R75;
141608000103	RES,10kΩ,±5%,1/4W,1206	R201 R548 R219;
141608000393	RES,39k,±5%,1/4W,1206	R515;
141608000472	RES,4k7Ω,±5%,1/4W,1206	R226 R250 R251;
141608000000	RES,0Ω,±5%,1/8W,1206	R558;
141608010020	RES,2Ω,±1%,1/8W,1206	R151;
141618000102	NET RES,1kΩ*4,±5%,1/16W,0603	RP100 RP101 RP103;
141668000004	V-RES,AVX,USB0004RP,0603*4,10p,18V	RN33;

141803000101	CAP,100pF,±10%,50V,NPO,0603	C178 C183;C200 C21;
141803000102	CAP,1nF,±10%,16V,X7R,0603	C414 C13 C30;C31 C32 C47;C51 C67 C303;C14;
141803000103	CAP,10nF,±10%,50V,X7R,0603	C15 C19 C37;C40 C56 C64;C83 C100 C162;C163 C197 C211;C214 C219 C253;C269 C409 C413;C416 C427 C435;C147 C33 C39 C54;
		C128 C135 C145;C148 C230 C238;C246 C268 C281;
141803000104	CAP,0.1uF,+80%-20%,16V,Y5V,0603	C8 C10 C43 C57;C59 C61 C63;C108 C116 C186;C299 C307 C345;C421 C429 C457;C461 C114 C118;C150 C157 C12;
		C17 C18 C29 C35;C222 C350 C365;C384 C387 C180;C188 C189 C199;C302 C305 C312;C127 C65 C205 C4;C7 C82 C94 C109;
		C112 C113 C117;C125 C130 C132;C142 C151 C177;C165 C143 C36;C38 C41 C42 C44;C45 C46 C48 C49;C58 C60 C62 C66;
		C68 C69 C70 C71;C72 C73 C74 C75;C76 C79 C80 C81;C85 C87 C88 C166;
141803000110	CAP,11pF,±5%,16V,NPO,0603	C26 C86;C99 C324;
141803000150	CAP,15pF,±5%,50V,NPO,0603	C91 C92 C119;
141803000221	CAP,220pF,±10%,50V,X7R,0603	C53 C55;
141803000223	CAP,22nF,±10%,50V,X7R,0603	C136 C137;
141803000270	CAP,27pF,±5%,16V,NPO,0603	C169 C176 C77;C78 C164;
141803000271	CAP,270pF,±10%,16V,X7R,0603	C187 C422;
141803000300	CAP,30pF,±5%,50V,NPO,0603	C171 C172;
141803000330	CAP,33pF,±5%,50V,NPO,0603	C27 C28 C89 C97;C120 C121 C318;C323 C301 C184;C185 C331 C332;C333 C335;
141803000470	CAP,47pF,±5%,16V,NPO,0603	C175;
141803000471	CAP,470pF,±10%,50V,X7R,0603	C129;
141803000561	CAP,560pF,±10%,16V,X7R,0603	C95 C229;C236 C243;
141803010104	CAP,0.1uF,±10%,25V,X7R,0603	C22 C24 C96;C111 C124;
141803010105	CAP,1uF,+80%-20%,16V,Y5V,0603	C159 C201 C209;C215 C454 C459;C321 C50 C90;C101 C102 C103;C104 C105 C106;C107 C110 C115;C146 C152 C198;
		C233 C362 C374;C381 C388 C5 C6;C9 C11 C23 C25;C133 C134;
141803010273	CAP,27nF,±10%,16V,X7R,0603	C16;
141803010331	CAP,330pF,±5%,16V,NPO,0603	C138 C139 C182;
141803040104	CAP,0.1uF,±20%,50V,Y5V,0603	C212;
141803040105	CAP,1uF,±10%,25V,X5R,0603	C98 C216 C220;C160 C161 C207;
141806000225	CAP,2.2uF,+80%-20%,16V,Y5V,0805	C153 C154 C202;C204 C206;
141806010106	CAP,10uF,±10%,6.3V,X5R,0805	C167 C168 C170;C179 C192 C52;
141809000106	CAP,10uF,±10%,10V,X5R,1206	C140 C141 C144;C149 C190 C364;
141809010106	CAP,10uF,+80%-20%,16V,Y5V,1206	C155 C156 C158;C20 C84 C93;C181 C193 C363;C375 C392;

141812000106	CAP,10uF,+80%-20%,25V,Y5V,1210	C208 C336;
141827000105	SMD E-CAP,1uF,±20%,4*5.3,50V,105℃	EC112;
141827000106	SMD E-CAP,10uF,±20%,4*5.3,16V,105℃	EC3 EC4 EC5;EC6 EC12 EC13;EC31;
141827000107	SMD E-CAP,100uF,±20%,6.3*5.5,16V,105℃	EC131 EC132 EC11;EC16 EC147 EC21;EC103 EC2;
141827000226	SMD E-CAP,22uF,±20%,4*5.3,16V,105℃	EC125 EC139;EC8 EC105;
141827000227	SMD E-CAP,220uF,±20%,6.3*5.5,6.3V,105℃	EC146 EC30;
141827020476	SMD E-CAP,47uF,±20%,5*5.3,16V	EC7 EC19 EC20;EC22 EC24 EC25;EC27 EC28 EC29;EC107 EC141;
142000000028	INDUCTOR,10uH,0805	L113;
142000000039	INDUCTOR,10uH,1206	FB2;
142000000047	INDUCTOR,1uH,100mA,0805,±10%,F COIL	L1 L2 L3 L117;
142000000135	POWER INDUCTOR,22uH,CD32	L16 L116 L107;
142000000401	POWER INDUCTOR,47uH,±10%,2.0A,CDH105	L115 L112;
142040000030	CHIP BEAD,0603,600R,CBY0603U601MT	FB24 FB8 FB9;FB12 FB13 FB16;FB17 FB18 FB19;FB20 FB21 FB113;FB114 FB109 FB110;FB106 FB138 FB139;FB140 FB3 FB10;
		FB105 FB7 FB121;FB128 FB129;FB130 FB131;
142040000039	CHIP BEAD,0805,CBW0805U121MT,120Ω	FB155 FB157;FB158 FB5 FB6;
142040000054	CHIP BEAD,1206,0.5A,0.3Ω,CBG321609U100T	FB1 FB11 FB15;
142090000011	POWER INDUCTOR,33uH,±10%,1.1A,CDH74	L111;
142200000004	SW DIODE,1N4148,200mW,300mA,SOD-323	D2 D4 D9 D10 D11;D118 D119 D138;D140 D130 D5;D106 D116 D16;D21 D12 D15;D17 D18;
142206000003	REC DIODE,1N4001,1A,1V,50V,1210	D131 D132;D101 D104;
142206000022	REC DIODE,1N5404,SMC	D100;
142224000018	ZENER DIODE,5.1V,300mW,SOD-323	ZD1 ZD3;
142224000085	ZENER DIODE,18V,300mW,SOD-323	ZD105 ZD107 ZD103;
142224000093	ZENER DIODE,12V,300mW,SOD-323	ZD106 ZD110;
142233000002	SCHOTTKY DIODE,RB050L-40,3A/40V	D7;
142233000006	SCHTTKY DIODE,RB551,0.5A,20V,SOD-323,ROM	D133 D134 D112;
142233000036	SCHOTTKY DIODE,RB055L-40,40V,3A	D114;
142245000048	TR,MMBT3906LT1(PNP),SOT-23,KEC	Q126 Q130 Q141;
142251000001	TR,2N3904(NPN),SOT-23	Q1 Q2 Q113 Q137;Q139 Q128 Q129;Q4 Q5;
142251000005	TR,2SB1132,SOT-89	Q204 Q205;
142266000002	MOSFET,2SK3018,UMT3	M107 M108;
142266000045	MOSFET,AO3401A,SOT-23	M1 M3 M101 M105;M106 M109 M111;
142266000047	MOSFET,AO4419,SO-8,AOS	M100;
122290000002	ESD DIODE,IMSA-6801-01Y901,0805	D115;

142290000009	TR,KRA304,USM	Q110 Q123;
142290000012	TR,KRC402,USM	Q11 Q100 Q101;Q102 Q108 Q111;Q112 Q133 Q136;Q142;
142290000022	TR,KTC4375Y,SOT-89,KEC	Q107;
142290000025	TR,KTD1304,SOT-23,KEC	Q8 Q119 Q115;Q117 Q124 Q127;
142290000026	TR,KTD1624C,SOT-89,KEC	Q109;
142400000013	IC,74HC00,SOP14	U3;
142400000741	IC,78L05,SOT-89,UTC	U9;
142400000057	IC,AD8092ARZ-REEL7,SOIC-8,ADI	U17;
142400000068	IC,AMS1117-3V3,SOT-223,AMS	U136;
142400000093	IC,BA3121F,SOP8,ROHM	U16;
142400000179	IC,IS42S16400-7T,TSOPII-54,ISSI	U5;
122400000207	IC,LD1117A-1.8V,SOT-223	U134;
142400000276	IC,NJM2267M,SSOP8,NJRC	U104;
142400000384	IC,TDA7419TR,SOP28,ST	U1;
142400000388	IC,E-TDA7478DTR,SO16,ST	U142;
142400000416	IC,UTC4558,SOP-8,UTC	U11;
142400000424	IC,XC6202P502PR,SOT-89,TOREX	U114;
142400000579	IC,KIA78M08,DPAK,KEC	U101 U119;
142400000629	IC,ST7FAUDIOAR9E,TQFP64,ST(FALSH 60K)	U112;
142400000730	IC,AM5766FM,HSOP28,AMTEK,MOTOR DRIVER	U301;
142400000819	IC,CS4344,TSSOP-10,CIRRUS	U12;
142410000091	IC,SST39VF1601-70-4C-EKE,TSOP-48,SST	U7;
142410000117	IC,AT24C16BN-SH-T,SOP-8,ATMEL	U130;
142410000142	IC,74HCT4052DB,SSOP16	U8 U10 U14;U15 U139;
142410000682	IC,CP2.0B-IPOD AUTHENTICATE C4,QFN20,APP	U4;
142410000636	IC,ZR36966H,PQFP208,ZORAN	U2;
142490000013	IC,FST3257MTCXNL,TSSOP16,FAIRCHILD	U300;
142825000029	TCXO,27.000M,±10ppm,-30+90℃,20pF,SMD	X1;
142825000045	TCXO,4.332M,?,HC-49,SMD	X102;
142825000053	TCXO,8.00M,±15ppm,-30+90℃,20pF,SMD	X101;
142825000064	TCXO,12M,±30ppm,-20+70℃,18pF,SMD	X2;
123805000034	SOCKET,2P,1.25mm,SMD,H	CN108;
143805000495	SOCKET,6P,3.5mm,EARPHONE SOCKET	CN6;
123805000615	SOCKET,4P,2.5mm,SMD,USB SOCKET,BLACK	CON1;
123815000043	FFC SOCKET,20P,0.5mm,UPPER CONTACT	CN110;

143815000046	FFC SOCKET,24P,0.5mm,UPPER CONTACT	CN303;
123815000093	FFC SOCKET,50P,0.5mm,DOWN CONTACT,HC	CN107;
143815000191	FPC SOCKET,14P,0.5mm,SMD,UP	CN3;
144800000001	FUSE,1812FSMD110,1.1A,6V,PTC	FU100 FU106 FU10;
144800000012	FUSE,FSMD050-1206,0.5A,8V,PTC	FU2 FU3 FU8;
142400000989	IC,XC6202PC02PR,SOT-89,TOREX	U146;
141608000102	RES,1kΩ,±5%,1/4W,1206	R130;
141608000101	RES,100Ω,±5%,1/8W,1206	R100 R101 R102;
143015010389	PCB,MB,VM9214,FR4,1.2,194*176,OSP,1P	
842DV7721MK003	DV7711 MK SMT ASSM	
143010030440	PCB,P-KB,DV7510,FR4,0.8,150*135,OSP,10P	
123210000125	TACT SW,2.5mm,WT1107GSW1-25F,250gf,SMD	K3001 K3002 K3003;K3004;
141604000000	RES,0Ω,±5%,1/16W,0603	R3003 R3010;
141604000681	RES,680Ω,±5%,1/16W,0603	R3001 R3006 R3007;R3012;
141604010103	RES,10kΩ,±1%,1/16W,0603	R3011;
141604010152	RES,1k5Ω,±1%,1/16W,0603	R3005;
141604010222	RES,2k2Ω,±1%,1/16W,0603	R3009;
141604010332	RES,3k3Ω,±1%,1/16W,0603	R3002 R3004;
141604010472	RES,4k7Ω,±1%,1/16W,0603	R3008;
141803000102	CAP,1nF,±10%,16V,X7R,0603	C3003;
141803000103	CAP,10nF,±10%,50V,X7R,0603	C3002;
141803010105	CAP,1uF,+80%-20%,16V,Y5V,0603	C3001;
142224000018	ZENER DIODE,5.1V,300mW,SOD-323	ZD3001;
143405000052	LED,W,19-213/W1D-ANPHY/3T-YUG,0603,25mA	LED3001 LED3002;LED3003 LED3004;
143815000138	FFC SOCKET,6P,0.5mm,DOWN CONTACT	CN3001;