

The Service Guide of VM-9512

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 loader part.
- 4) If there is no display after the above operation, you should change the mainboard 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) Change the audio output line.
- 4) If there is no audio output yet, change the mainboard part.
- 5) 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. 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.

7. The color of TFT is abnormal

- 1) Check whether the video output is normal.
- 2) If the video output is normal, that is to say the loader work normally, and you should change the mainboard.
- 3) If the video output is abnormal, change the loader part.
- 4) If the color of TFT is abnormal yet after the above operation, change the Display part.

8. 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.

9. 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.

10. 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.

11. 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.

12. 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.
- 4) Check whether the key in the LCD panel is available.
- 5) Check the connection between the TFT power supply board and the mainboard. If necessary, change the FPC connector.
- 6) If the key in the LCD panel is void, change the LCD panel part.
- 7) Check whether the key in the CCFL panel is available.

- 8) Check the connection between the TFT power supply board and the mainboard. If necessary, change the FPC connector.
- 9) If the key in the CCFL panel is void, change the display part.
- 10) If all the key in front panel, LCD panel and CCFL panel are viod, change the mainboard.

13. The TFT can not be pull back or pushed out normally

- 1) Check the connection between the power supply board of TFT and the motor driver board, the power supply board of TFT and the mainboard. If necessary, change these connectors.
- 2) Check whether there is any problem in machinery.
- 3) To confirm whether the motor work normal, change one good.
- 4) To confirm whether the motor driver board work normal, change one good.
- 5) If the trouble is still not solved after the above operation, change the mainboard part.

14. 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.

15. No display in the LCD

- 1) Check the connection between the power supply board of TFT and the TFT.
- 2) If there is no display in the LCD also, you should change the LCD board.

16. Display in the LCD is abnormal

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

17. 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.

18. The function of Touch Screen is void

- 1) To confirm whether the region of screen is the valid touch region.
- 2) To rectification again by entering the System Setup.
- 3) Touch the region of the left top and right bottom in screen to check whether can enter the System Setup.
- 4) If it can enter the System Setup, change the mainboard part; Otherwise you should 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, change 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, change 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.

24. The function of BT is void

- 1) Check the connection between the BT module and the mainboard.
- 2) If the trouble is still not be solved, change the BT module.
- 3) If the trouble is still not solved after the above operation, change the mainboard part.

25. The function of MediaLink 4 is void

- 1) Check the connection between the [MediaLink 4](#) and the mainboard.
- 2) If the trouble is still not be solved, change the [MediaLink 4](#).

3) If the trouble is still not solved after the above operation, change the mainboard part.

26. The function of SAT Radio is void

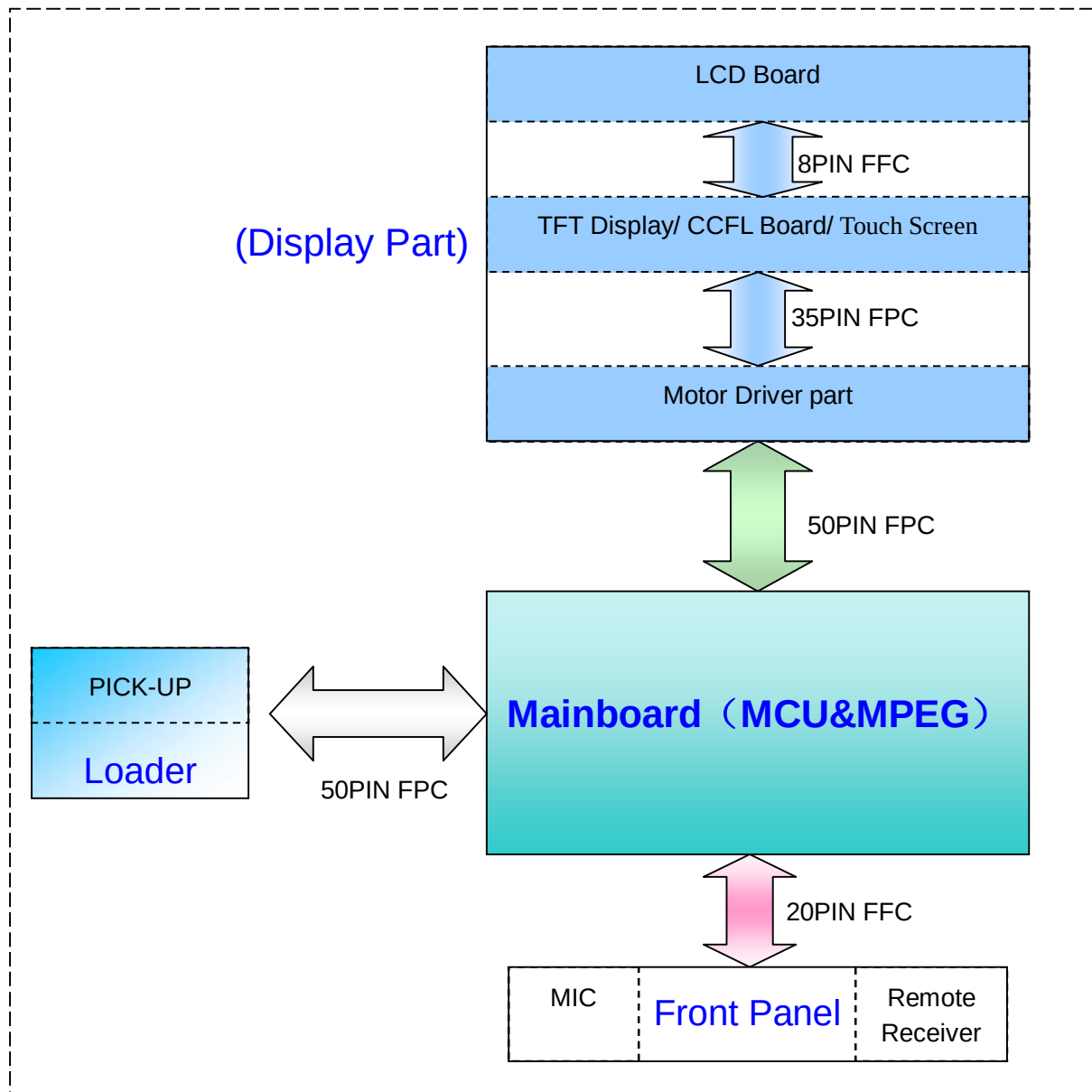
- 1) Check the connection between the SAT Radio and the mainboard.
- 2) If the trouble is still not be solved, change the SAT Radio.
- 3) If the trouble is still not solved after the above operation, change the mainboard part.

27. The function of GPS Box is void

- 1) Check the connection between the GPS Box and the mainboard.
- 2) If the trouble is still not be solved, change the GPS Box.
- 3) If the trouble is still not solved after the above operation, change the mainboard part.

Addenda

1.The system block diagram of VM-9512



2. The cost of part service

1) The cost of appearance damage service.

2) The cost of function failure service.

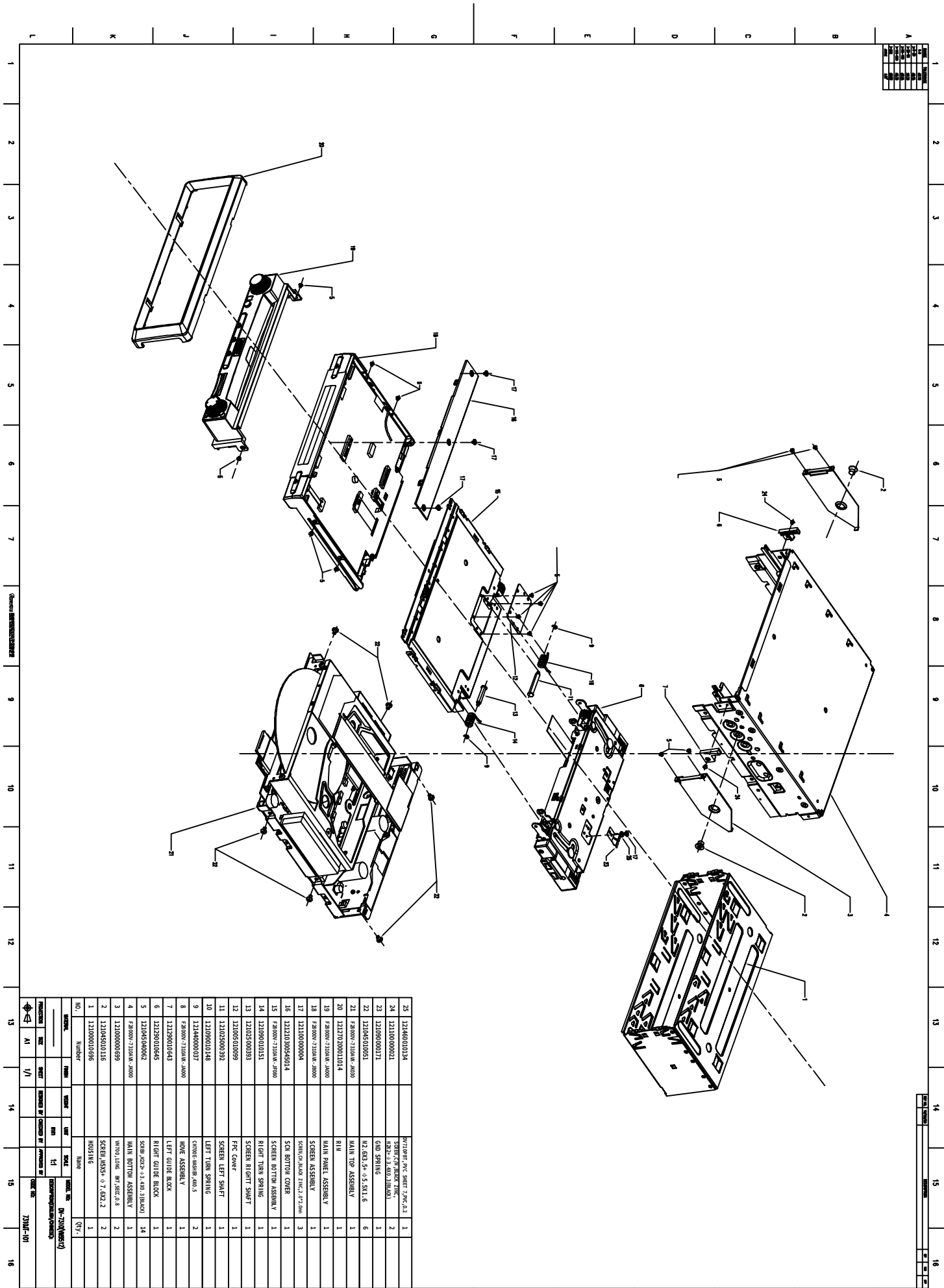
(1) Mainbord Part(electronic + structural);

(2) Loader Part(electronic + structural);

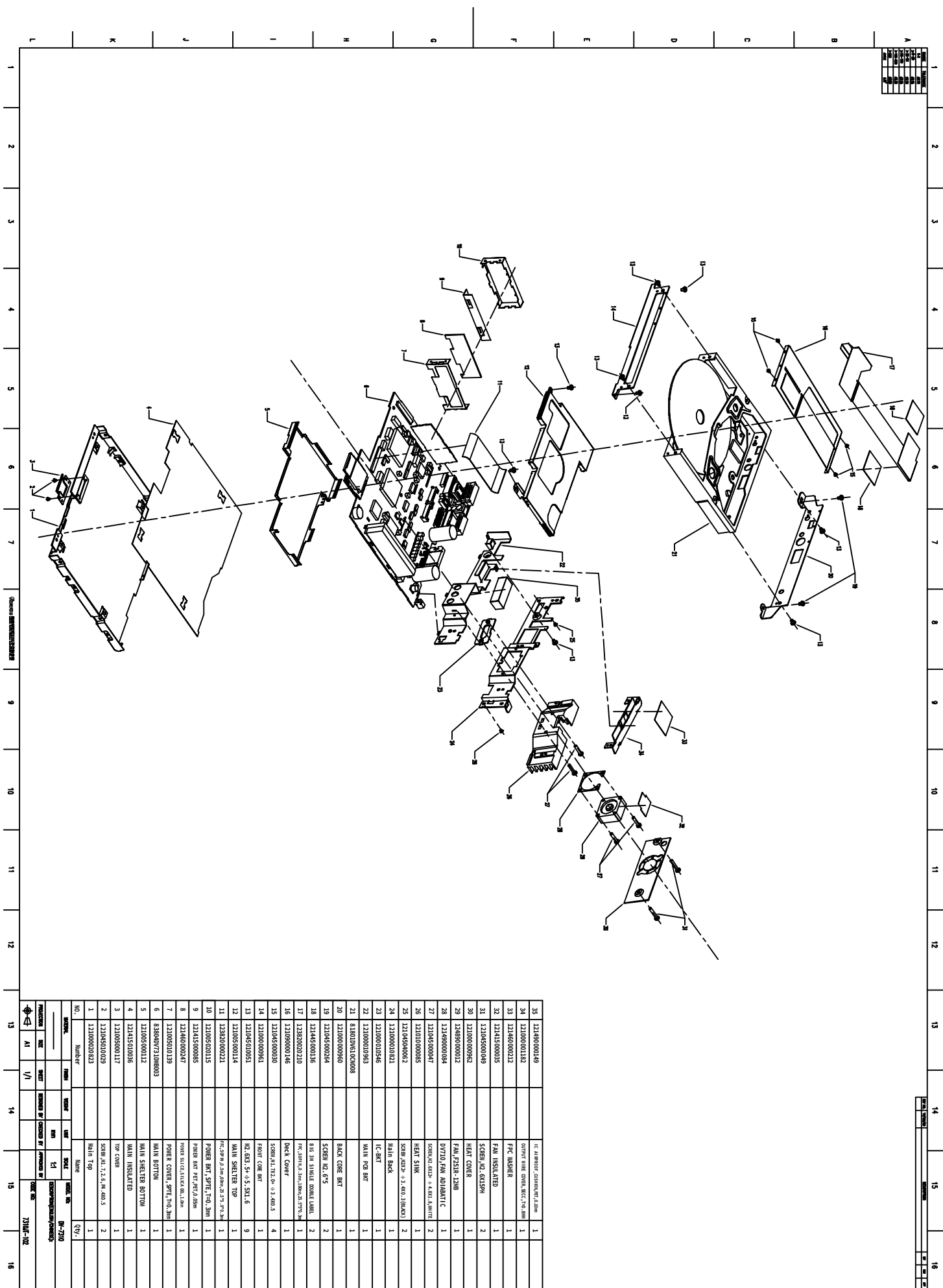
(3) Display Part * (electronic + structural);

(4) Front panel part (electronic + structural);

* The Display Part consists of the LCD board、TFT display、Touch screen、CCFL board、the power supply board of TFT、the motor and the motor driver board.

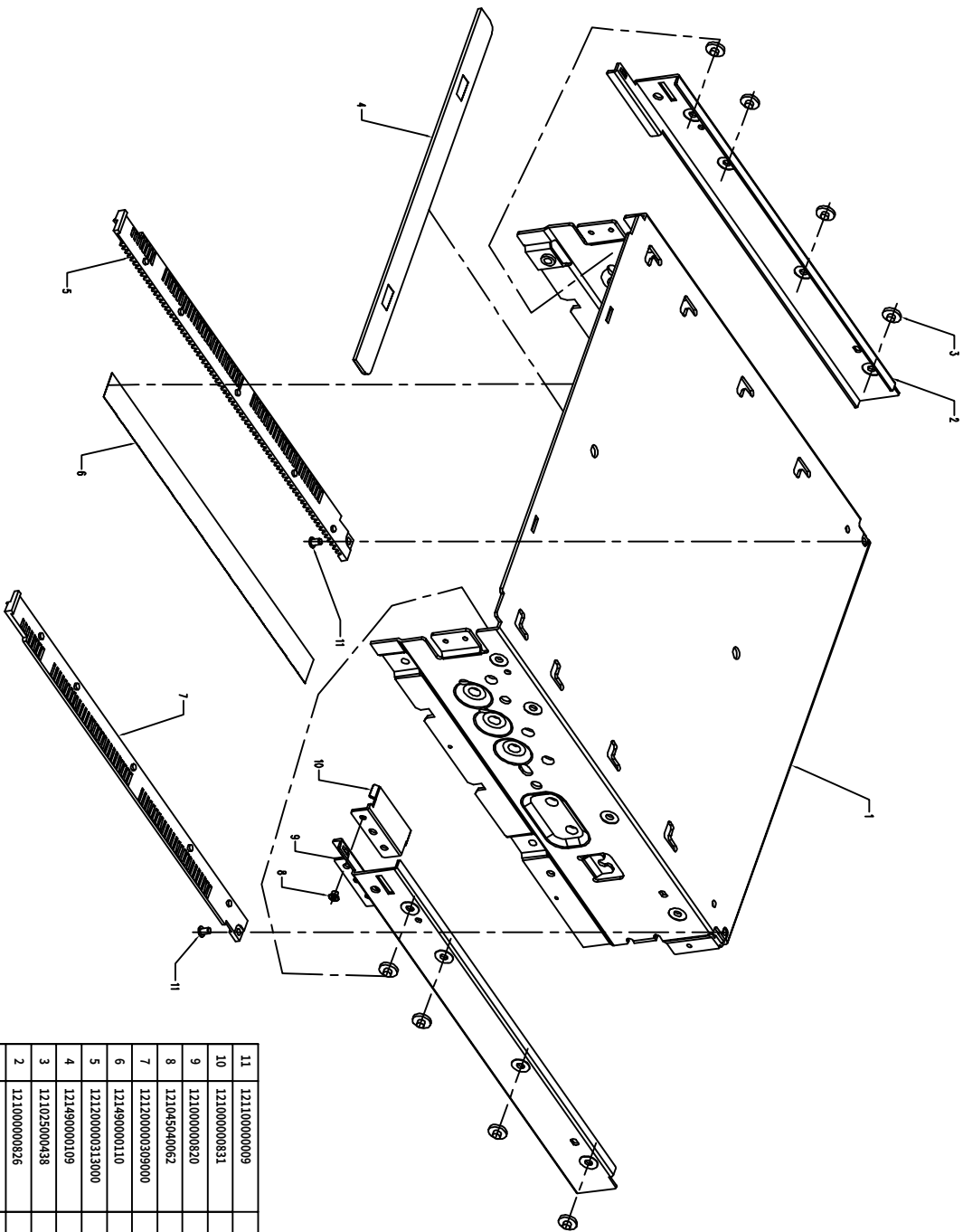


ITEM NO.	DESCRIPTION	QTY.
1	FRONT BEZEL	1
2	FRONT BEZEL SCREW	4
3	FRONT BEZEL SCREW	4
4	FRONT BEZEL SCREW	4
5	FRONT BEZEL SCREW	4
6	FRONT BEZEL SCREW	4
7	FRONT BEZEL SCREW	4
8	FRONT BEZEL SCREW	4
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19	FRONT BEZEL SCREW	4
20	FRONT BEZEL SCREW	4
21	FRONT BEZEL SCREW	4
22	FRONT BEZEL SCREW	4
23	FRONT BEZEL SCREW	4
24	FRONT BEZEL SCREW	4
25	FRONT BEZEL SCREW	4



NO.	Part Number	Part Name	Unit	Qty.
1	12100000000000000000	MAIN TOP	1	1
2	12100000000000000000	MAIN TOP	1	1
3	12100000000000000000	MAIN TOP	1	1
4	12100000000000000000	MAIN TOP	1	1
5	12100000000000000000	MAIN TOP	1	1
6	12100000000000000000	MAIN TOP	1	1
7	12100000000000000000	MAIN TOP	1	1
8	12100000000000000000	MAIN TOP	1	1
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35	12100000000000000000	MAIN TOP	1	1

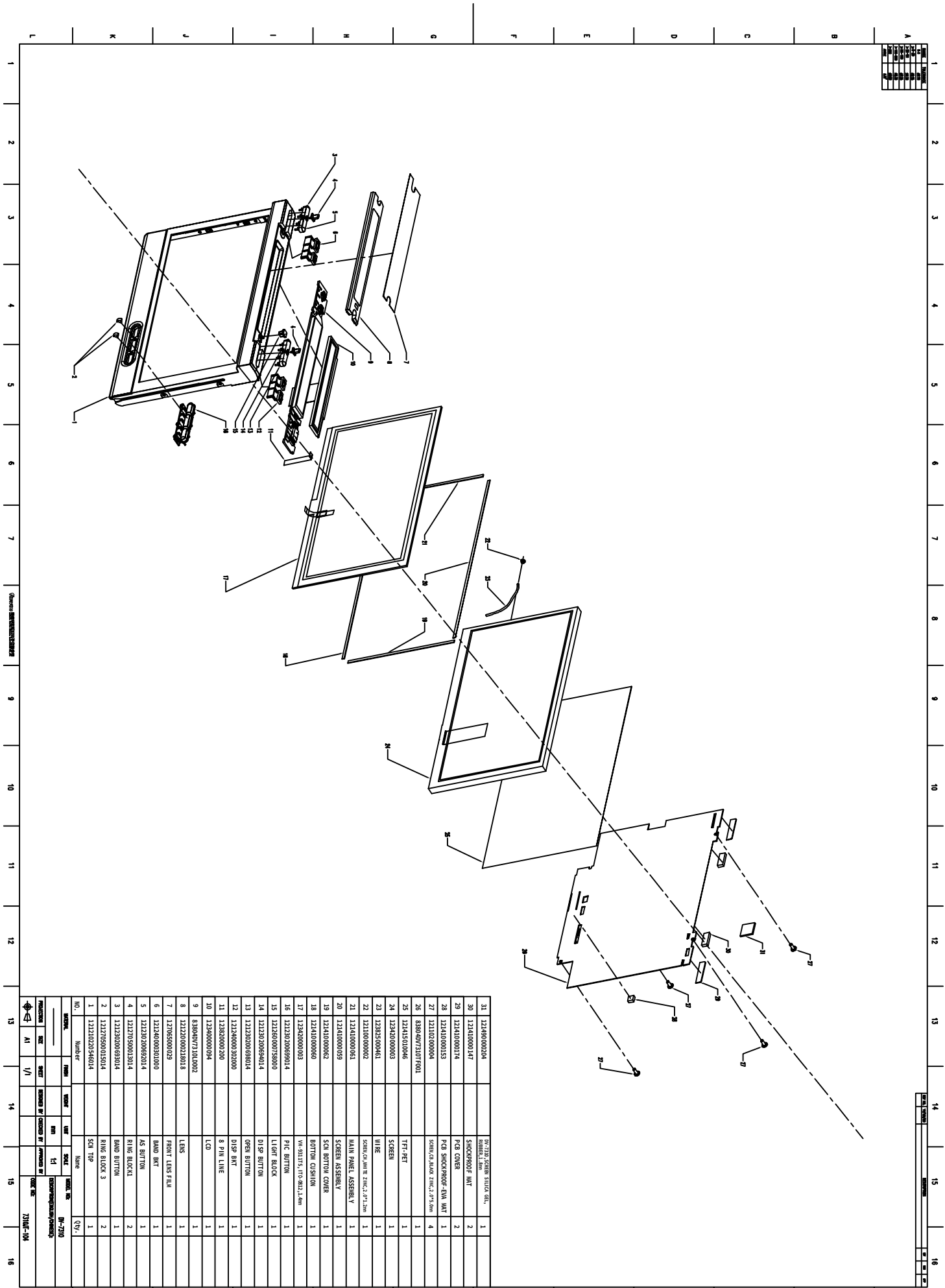
NO.	DESCRIPTION
1	MAIN BODY
2	TOP COVER
3	RIGHT TRACK
4	LEFT TRACK
5	RIGHT WHEEL
6	LEFT WHEEL
7	RIGHT SHAFT
8	LEFT SHAFT
9	RIGHT WHEEL ASSEMBLY
10	LEFT WHEEL ASSEMBLY
11	RIGHT TRACK ASSEMBLY
12	LEFT TRACK ASSEMBLY



11	1211000000009	SCREW, CH, BLACK ZINC, M1.7*3.0	2
10	1210000000631	Switch Block	1
9	1210000000620	Left Track	1
8	1210450000652	SCREW, M2X-0.3, 4X0.3 (BLACK)	1
7	1212000000309000	LEFT BACK	1
6	1214900000110	Light Plate	1
5	1212000000313000	RIGHT BACK	1
4	1214900000109	Bottom Washer	1
3	1210250000438	TRACK SHAFT	8
2	1210000000626	Right Track	1
1	1210000000622	Main Bottom	1
NO.	Number	Name	Qty.

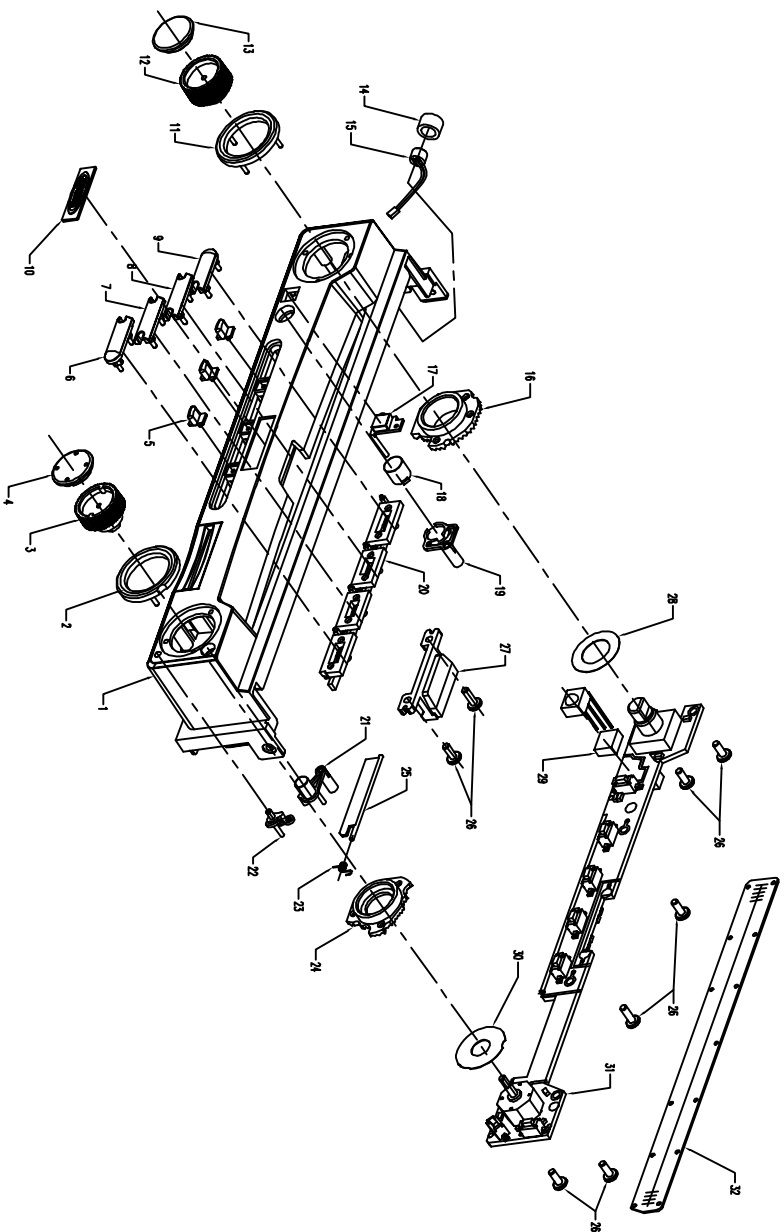
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					DM-7310
PROJECTION	SIZE	SHEET	DESIGNED BY	CHECKED BY	CODE NO.
	A2	1/1			7310NF-103

NO.	DATE	REVISION



NO.	Part Number	Part Name	Unit	Qty.
31	1234890000204	23.5" LCD PANEL STICKER DEL.	1	1
30	1234100001417	SHOCKPROOF MAT	2	2
29	123410000174	PCB COVER	2	2
28	123410000153	PCB SHOCKPROOF EVA MAT	1	1
27	1231010000044	SCREEN/CB BLACK ZINC, 3.9*5.0mm	4	4
26	839040771017001	TFT/PCB	1	1
25	123410100046	SCREEN	1	1
24	123420000003	WIRE	1	1
23	123832000461	SCREEN/CB WHITE ZINC, 3.9*5.0mm	1	1
22	1231000000002	MAIN PANEL ASSEMBLY	1	1
21	123410000061	SCREEN ASSEMBLY	1	1
20	123410000059	SCREEN BOTTOM COVER	1	1
19	123410000062	BOTTOM CLIP/SHIELD	1	1
18	123410000060	PCB/SHIELD, 17.0*21.2mm	1	1
17	123420000003	PCB BUTTON	1	1
16	12312000099014	LIGHT BLOCK	1	1
15	12312000075000	OPEN BUTTON	1	1
14	12312000069014	DISP. BKT	1	1
13	12312000069014	8 PIN LINE	1	1
12	12312000030200	LCD	1	1
11	123830000200	LENS	1	1
10	123400000904	FRONT LENS FILM	1	1
9	839040771010002	BAND BKT	1	1
8	12312000018018	AS BUTTON	1	1
7	1237060000029	RING BLOCK	1	1
6	12312000000100	BAND BUTTON	1	1
5	12312000000104	RING BLOCK 2	1	1
4	12312000000104	RING BLOCK 3	1	1
3	12312000000104	SCN TOP	1	1
2	12312000000104	SCN TOP	1	1
1	12312000000104	SCN TOP	1	1

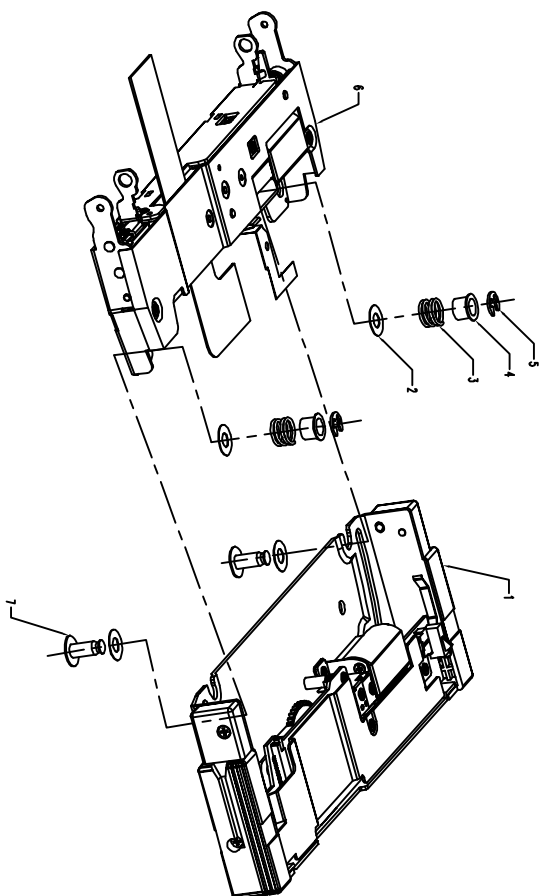
ITEM NO.	DESCRIPTION	QTY
1	DISC-CLOTH	1
2	LEVEL FILM	1
3	REMOTE EVA SET	1
4	VOLUME FILM	1
5	DISC LIGHT	1
6	SD DOOR	1
7	LEVEL LIGHT CIRCLE	1
8	SD DOOR-SPRING	1
9	RESET BUTTON	1
10	EJECT BUTTON	1
11	BUTTON BKT	1
12	SOURCE BUTTON BKT	1
13	SOURCE BUTTON	1
14	REMOTE WINDOW	1
15	VOLUME LIGHT CIRCLE	1
16	MICROPHONE	1
17	MIC-RUBBER	1
18	KNOB-DECORATE-SHEET	1
19	VOLUME KNOB	1
20	JENSEN BRAND	1
21	MUTE-BUTTON	1
22	REAR-BUTTON	1
23	P/P-BUTTON	1
24	RPT-BUTTON	1
25	RING BLOCK 2	3
26	BUTTON-DECORATE-SHEET	1
27	5 DIRECTION BUTTON	1
28	LEVEL RING	1
29	MAIN PANEL	1



32	121450000076				DISC-CLOTH	1	
31	83804DV7310K8003				LEVEL FILM	1	
30	127065000028				REMOTE EVA SET	1	
29	121410000132				VOLUME FILM	1	
28	127065000027				DISC LIGHT	1	
27	12126000013010				SD DOOR	1	
26	121102000004				LEVEL LIGHT CIRCLE	1	
25	121290200766014				SD DOOR-SPRING	1	
24	121260000011010				RESET BUTTON	1	
23	121035000350				EJECT BUTTON	1	
22	121230200691014				BUTTON BKT	1	
21	121230210690014				SOURCE BUTTON BKT	1	
20	1212400000303000				SOURCE BUTTON	1	
19	121240010300000				REMOTE WINDOW	1	
18	121230700687010				VOLUME LIGHT CIRCLE	1	
17	121220000759000				MICROPHONE	1	
16	12126000012010				MIC-RUBBER	1	
15	123650000004				KNOB-DECORATE-SHEET	1	
14	121440000059				VOLUME KNOB	1	
13	12101000098000				JENSEN BRAND	1	
12	12123050977014				MUTE-BUTTON	1	
11	121270500016014				REAR-BUTTON	1	
10	121010000090				P/P-BUTTON	1	
9	121230200697018				RPT-BUTTON	1	
8	121230200700018				RING BLOCK 2	3	
7	121230200688018				BUTTON-DECORATE-SHEET	1	
6	121230200695018				5 DIRECTION BUTTON	1	
5	121270500014014				LEVEL RING	1	
4	121010000097000				MAIN PANEL	1	
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2	121270500012014						
1	121210210544014						
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PRODUCTION	SIZE	SHEET	DESIGNED BY	CHECKED BY	APPROVED BY	CODE NO.	7310M-105
42	1/1						

10	11	12
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NO.	SYMBOL
1	121025000390
2	728000V-7310MX-JF010
3	121005000101
4	121025000397
5	121090000152
6	121440000057
7	728000V-7310MX-JF030

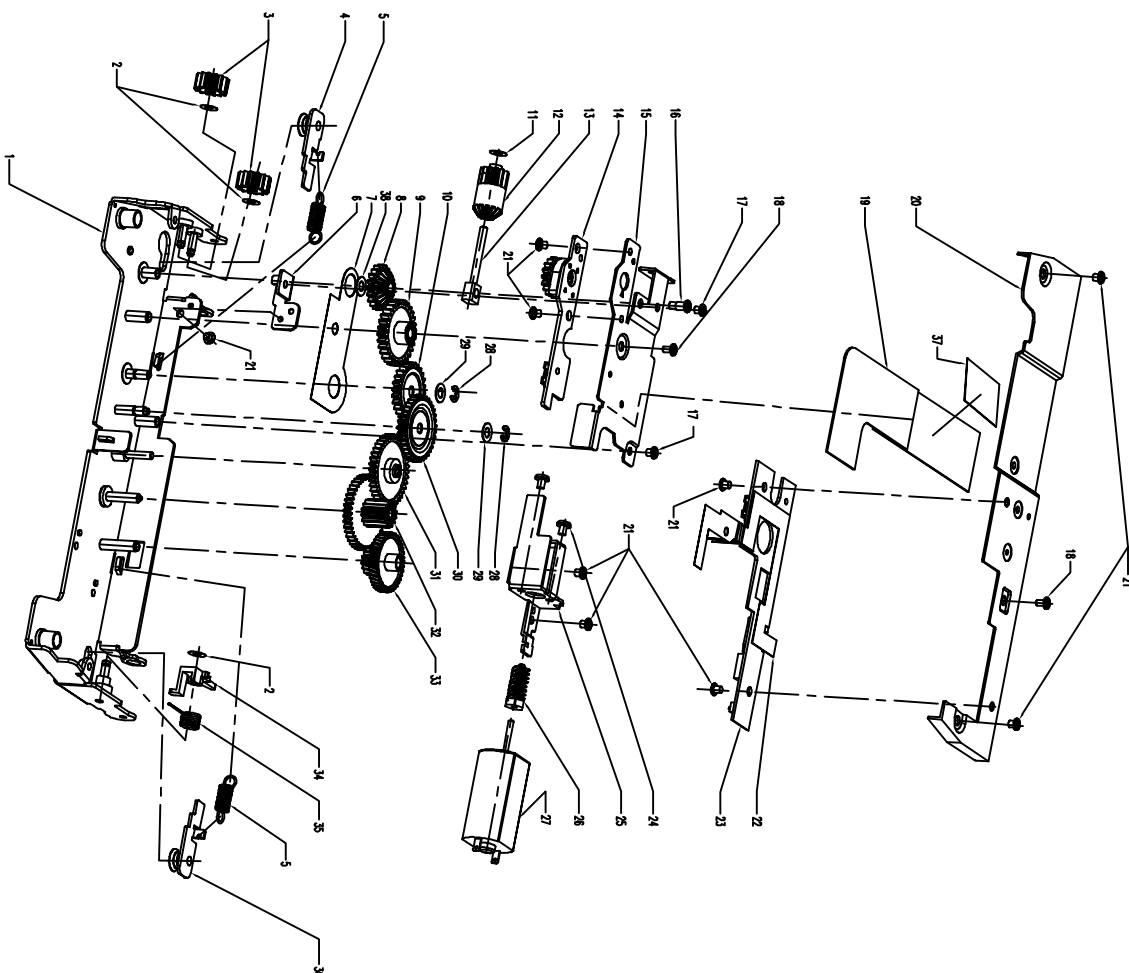


NO.	SYMBOL	REVISION	DATE	BY	CHK	APP
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NO.	Number	Name	Qty.
1	728000V-7310MX-JF030	Slide Assembly Component	1
2	121440000057	SLIDE WASHER	4
3	121090000152	Rotate Shaft Spring	2
4	121025000397	Spring Case	2
5	121005000101	Rotate Washer	2
6	728000V-7310MX-JF010	Rotate Assembly Component	1
7	121025000390	Rotate Shaft	2

MATERIAL	FINISH	WEIGHT	UNIT	SCALE	MODEL NO.
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PROJECTION	SIZE	SHEET	DESIGNED BY	CHECKED BY	APPROVED BY
1/1	1/1				
1/1	1/1				

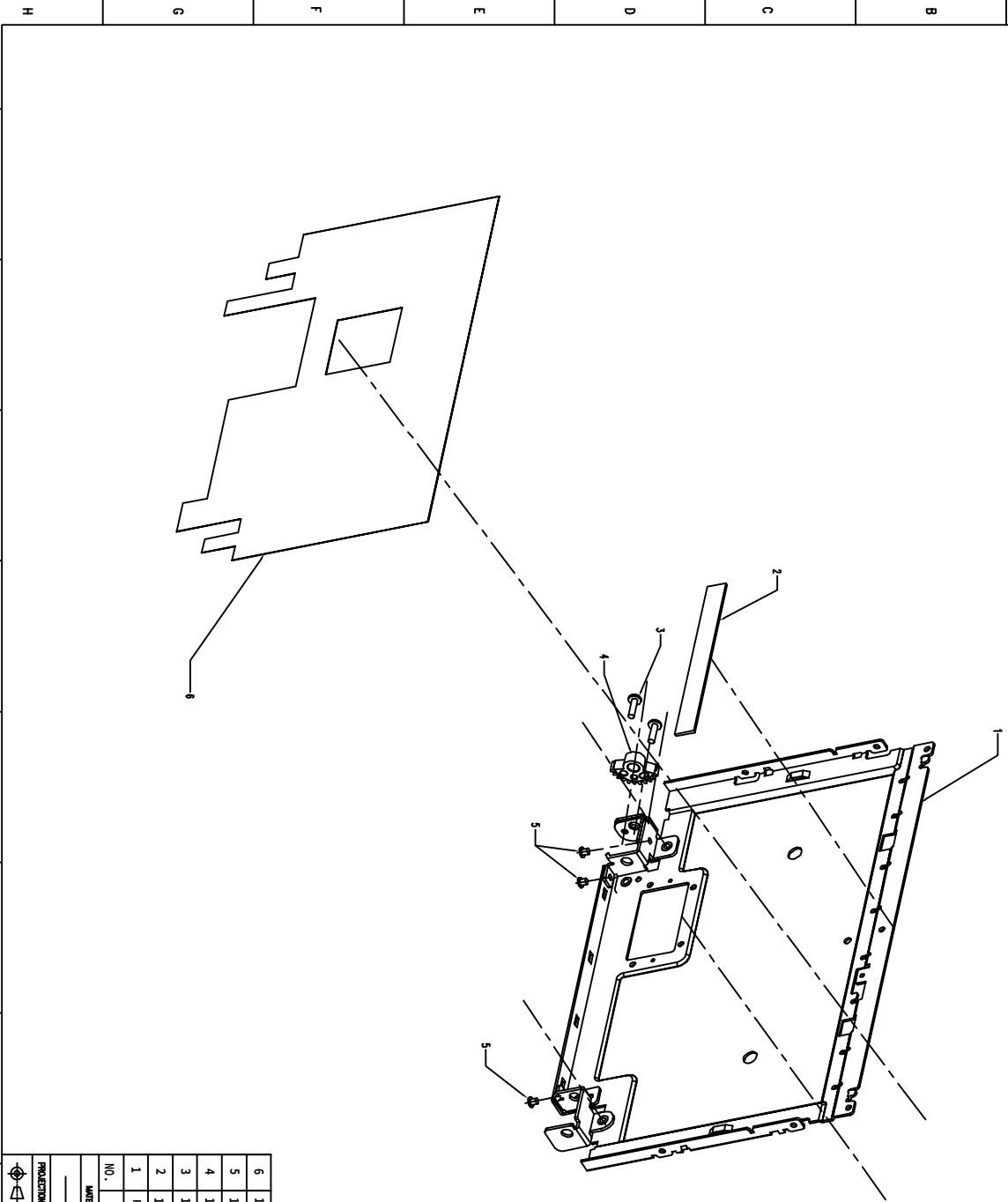
GRADE	TOLERANCE
6-8	±0.10
> 8-20	±0.15
> 20-40	±0.20
> 40-70	±0.25
> 100-200	±0.30
> 200	±0.40
ANAL.	±0.5



38	121445000068		ROTATE WASHER, 6.0X3.2X0.15mm, S16303	1	
37	121445000135		SMALL 3M SINGLE DOUBLE LABEL	1	
36	P2800V-7310AW-J-PJ00		Left Located Component	1	
35	121035000333		SWITCH SPRING	1	
34	121290010647000		JOIN GEAR	1	
33	121200000334000		ROTATE WHEEL	1	
32	121200000306000		BIG PLASTIC GEAR	1	
31	121090000212		JOIN GEAR	1	
30	121090000143		Big Metal Gear	1	
29	121090300066		WASHER 2.0V-710N	2	
28	121090000064		WASHER 1.0V-710N	2	
27	124825000299		MOTOR	1	
26	121200000315000		ROTATE WORM	1	
25	121000010829		Rotate Motor Bkt	1	
24	121045000072		SCREW, M2X2.5	2	
23	838040V7310R8000			1	
22	123820010206		FFC, 3PIN	1	
21	121045040062		SCREW, M2X2 + 0.3, 4X0.3 (BLACK)	9	
20	121000010828		Rotate Cover	1	
19	123820040208		FFC, 3PIN	1	
18	121100000009		SCREW, C1M, BLACK ZINC, M1.7X3.0	2	
17	121045000040		SCREW, M2, 0X2.0+ + 0.4, 2X1.2	2	
16	121045010267		SCREW C1M, BLACK ZINC, M2.0X5.4	1	
15	121000010817		Gear COVER	1	
14	838040V7310R80001			1	
13	121025000394		Short Taper Shaft	1	
12	121090000153		Short Taper Gear	1	
11	121435000042		Roll Washer , + 4.0X + 2.1X0.05	1	
10	121090000154		Small Metal Gear	1	
9	121090000145		Connect Gear	1	
8	121090010155		Small Taper Gear	1	
7	121440000067		CONNECT GEAR WASHER	1	
6	12106000007		COVER BKT	1	
5	121090000142		Active Shaft Spring	2	
4	P2800V-7310AW-J-PJ00		Right Located Component	1	
3	121090000149		Link Gear	2	
2	121435000041		Washer , + 4.0X + 1.7X0.40	3	
1	P2800V-7310AW-J-PJ00		Rotate Joint Component	1	
N0.	Number		Name	Qty.	
MATERIAL		FINISH	UNIT	SCALE	MARK NO.
_____			mm	1:1	DU-7310
DESIGNATION/DETAILS/CHANGES:					
PROJECTION	SIZE	SHEET	DESIGNED BY	CHECKED BY	APPROVED BY
A2	1/1				
					CODE NO.
					7310AF-113

NO.	DESCRIPTION
1	121415010034
2	121045040062
3	121090000147
4	121045020088
5	121410000143
6	F28000V-7310AVX-JF130

REV.	DATE	DESCRIPTION	BY	CHK	APP



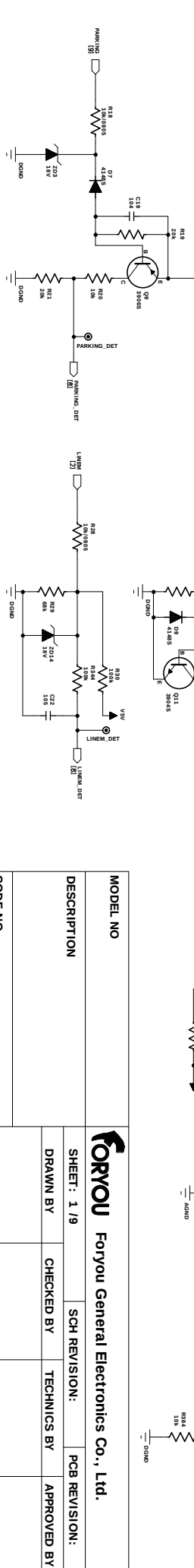
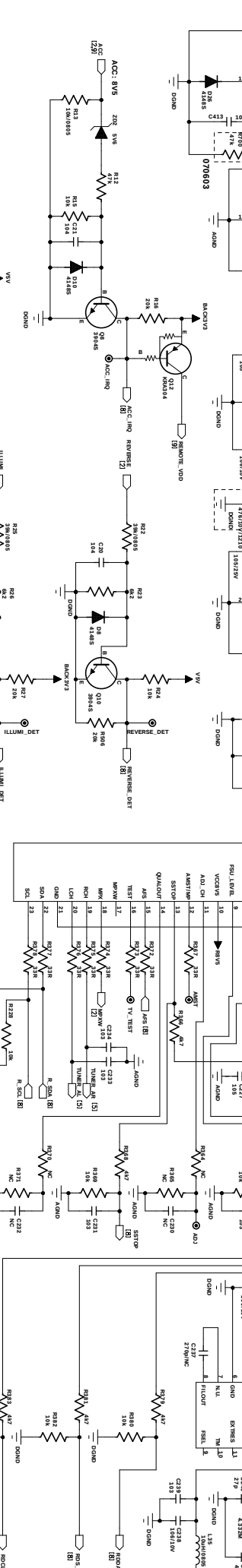
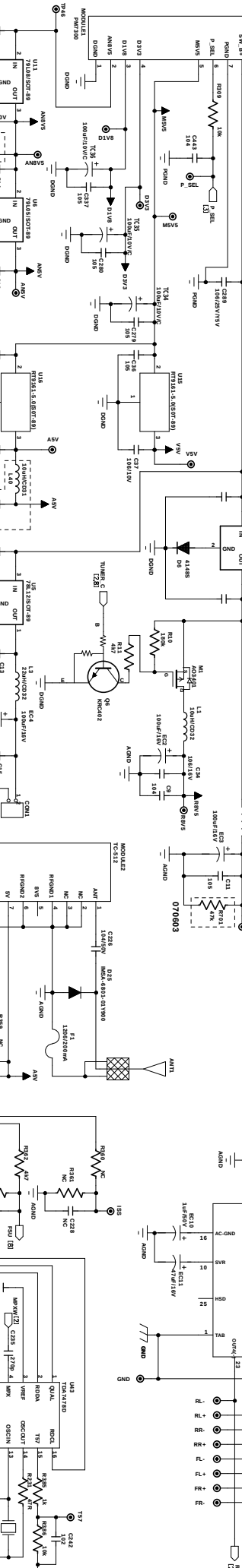
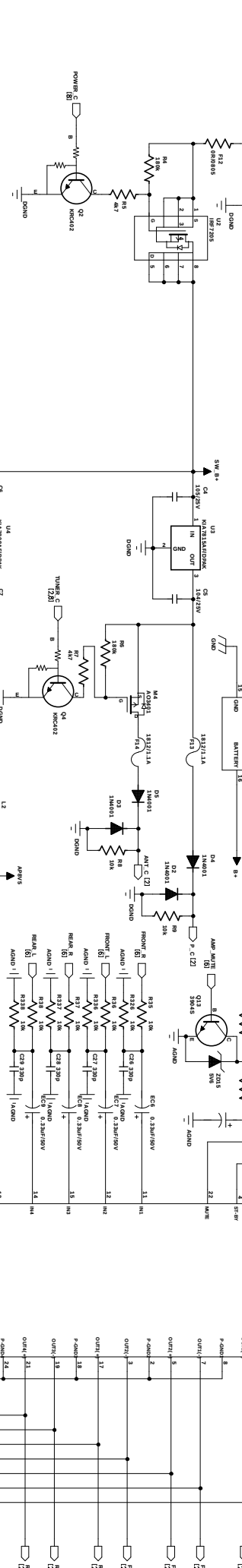
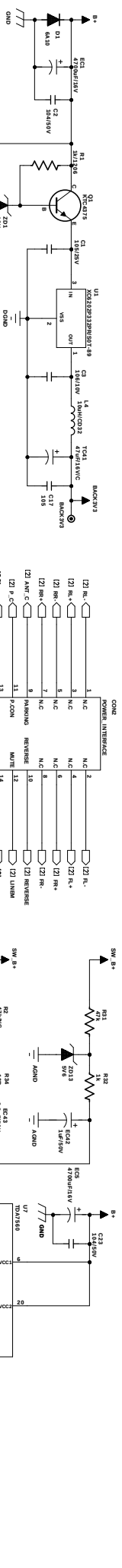
6	121415010034	INSULATION-PVC	1	
5	121045040062	SCREW M2X7-0.3 AX0.3(BLACK)	3	
4	121090000147	Fan Gear	1	
3	121045020088	SCREW M2X7-0.4 3X1.2	2	
2	121410000143	INSULATE CUSHION	1	
1	F28000V-7310AVX-JF130	Screen Bottom	1	

NO.	Number	Name	Qty.

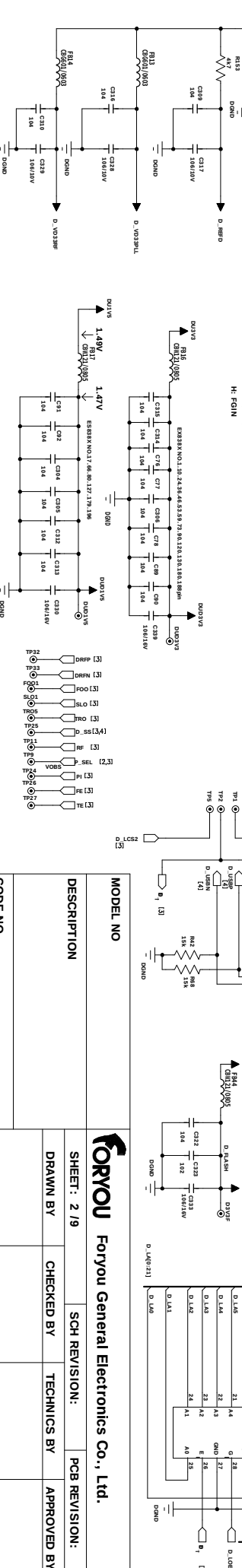
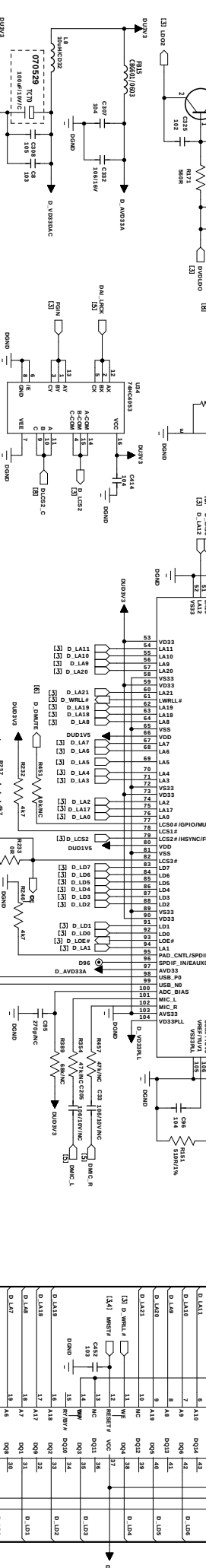
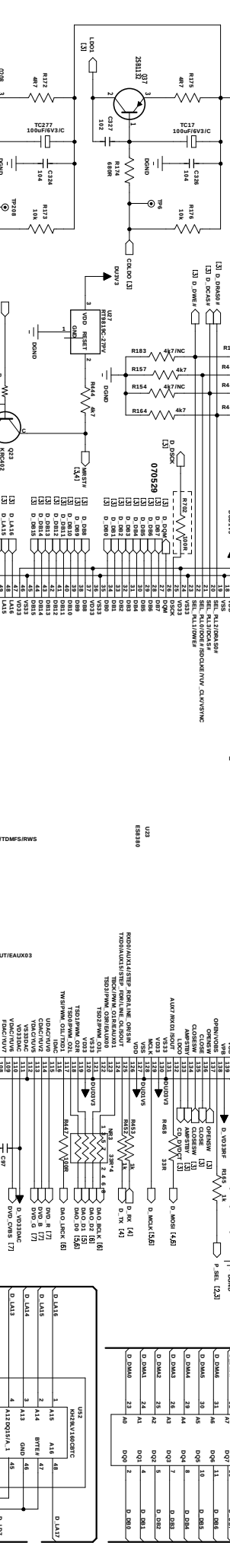
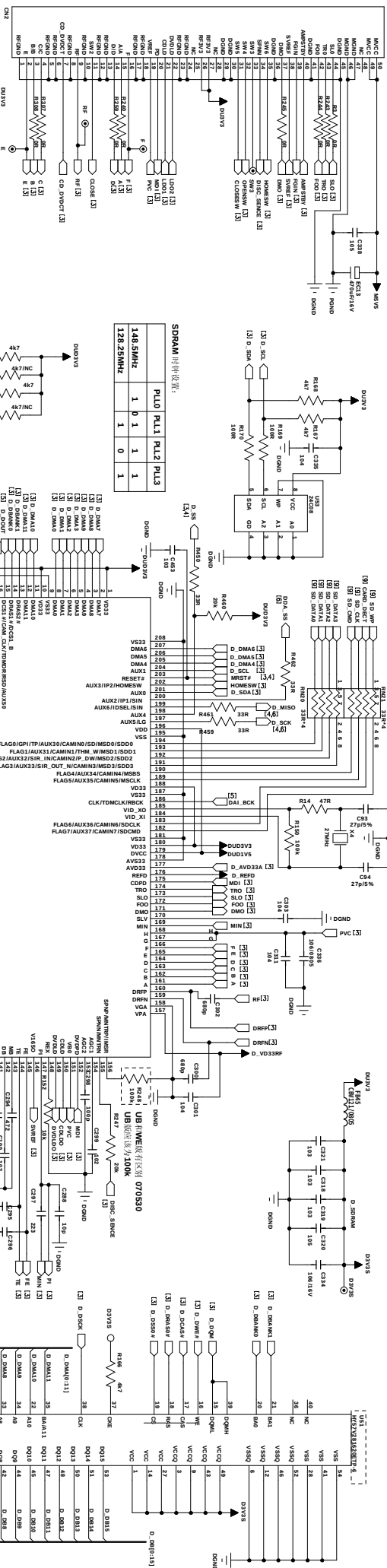
MATERIAL	FINISH	WEIGHT	UNIT	SCALE	MODEL NO.
				1:1	DN-7310

PROJECTION	SIZE	SHEET	DRAWN BY	CHECKED BY	APPROVED BY
	A2	1/1			

					CODE NO. 7310U-114
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MODEL NO		FORYOU		Foryou General Electronics Co., Ltd.	
DESCRIPTION		SHEET: 1/9		SCH REVISION:	
DRAWN BY		CHECKED BY		TECHNICS BY	
CODE NO				APPROVED BY	



6

5

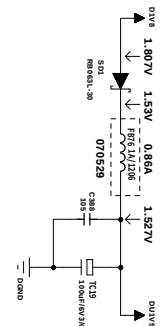
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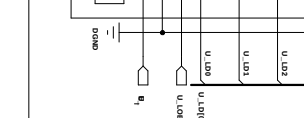
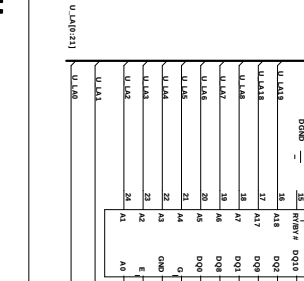
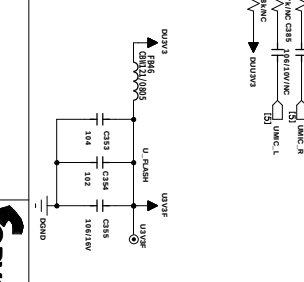
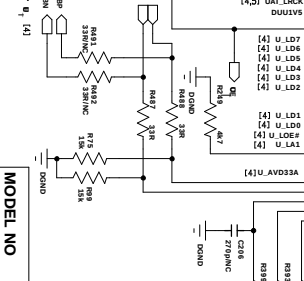
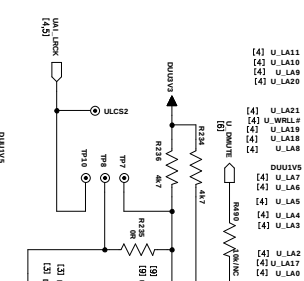
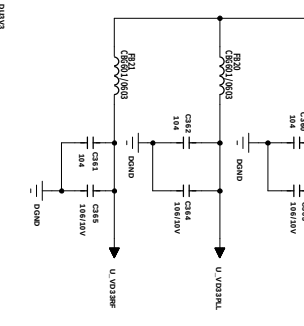
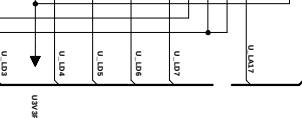
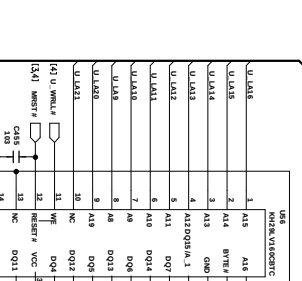
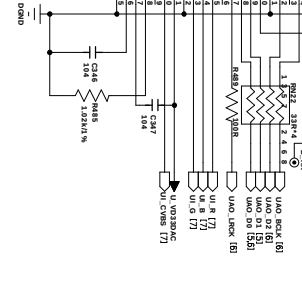
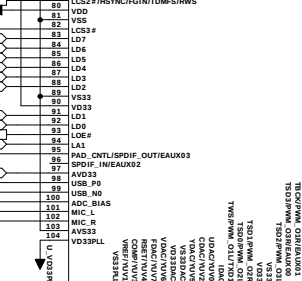
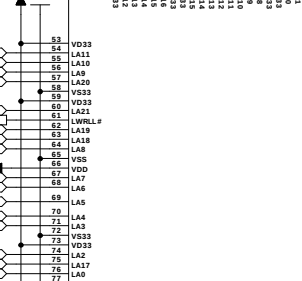
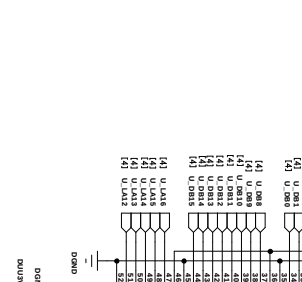
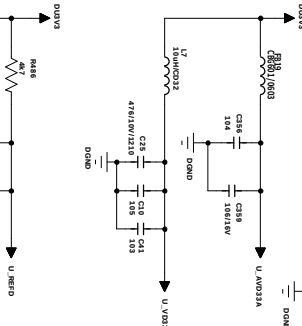
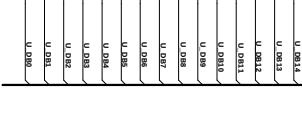
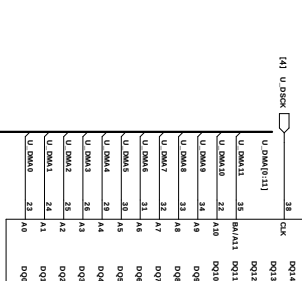
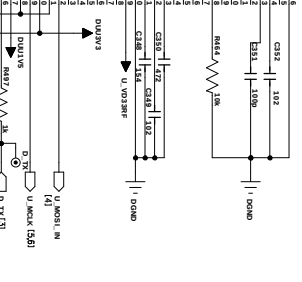
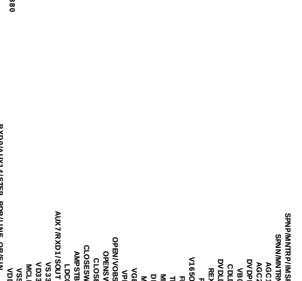
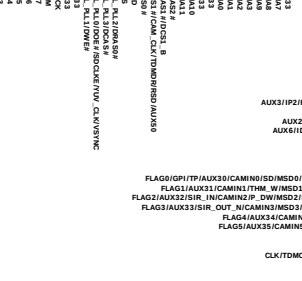
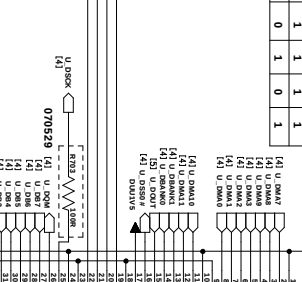
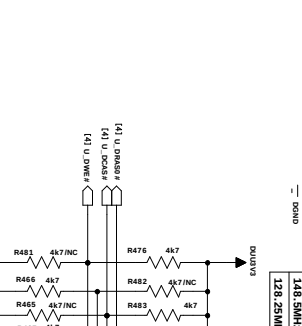
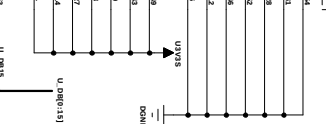
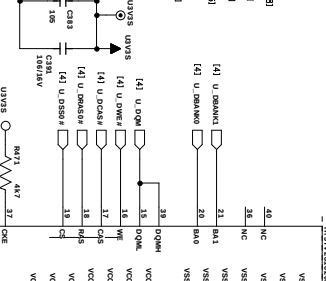
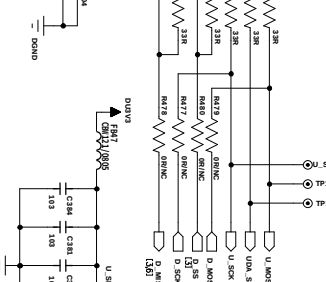
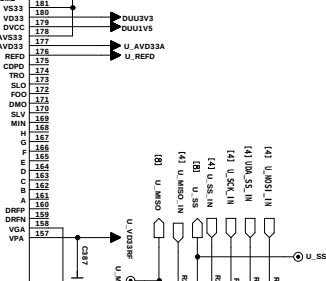
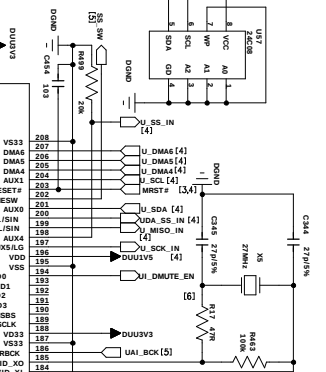
1

SDCLK=148.5MHz 时钟树



SDRAM 时钟设置:

PL10	PL11	PL2	PL3
148.5MHz	1	1	1
128.25MHz	0	1	0



MODEL NO

DESCRIPTION

SHEET: 3 19

DRAWN BY

CHECKED BY

TECHNICS BY

APPROVED BY

FORYOU Foryou General Electronics Co., Ltd.

6

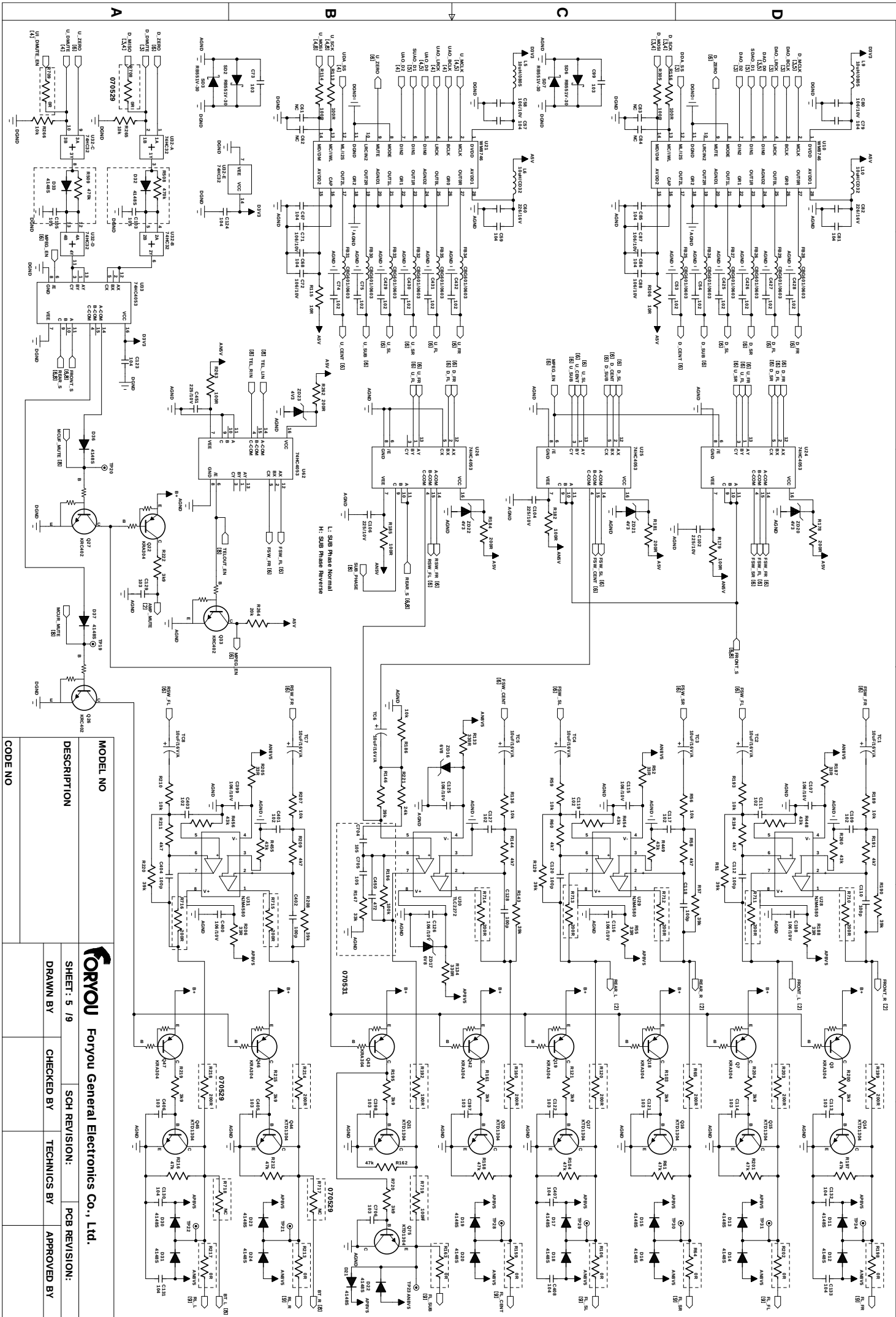
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1



MODEL NO				
DESCRIPTION				
CODE NO				
DRAWN BY				
CHECKED BY				
TECHNICS BY				
APPROVED BY				
FORYOU Foryou General Electronics Co., Ltd.				
SHEET: 5 / 9				
SCH REVISION:				
PCB REVISION:				

6

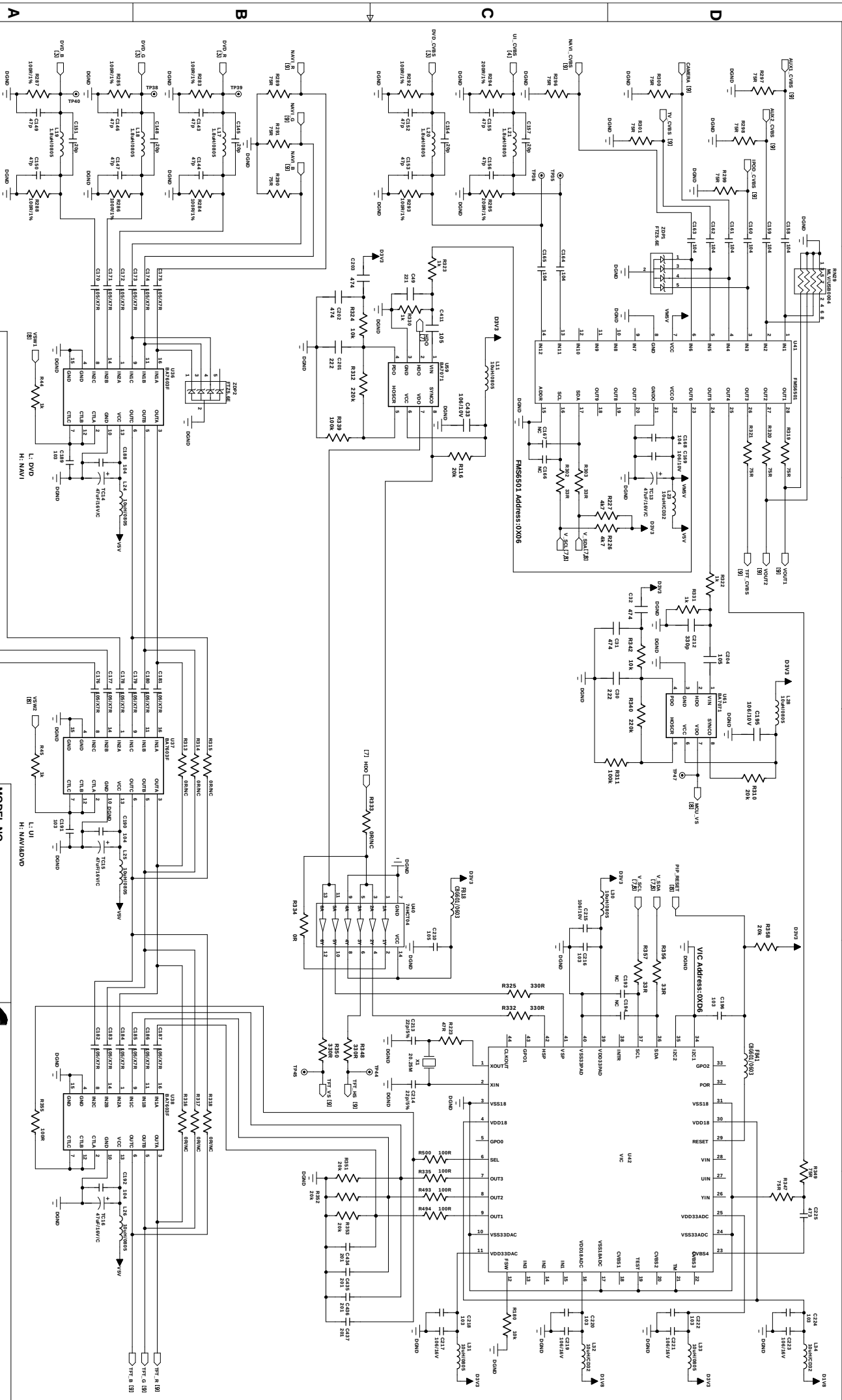
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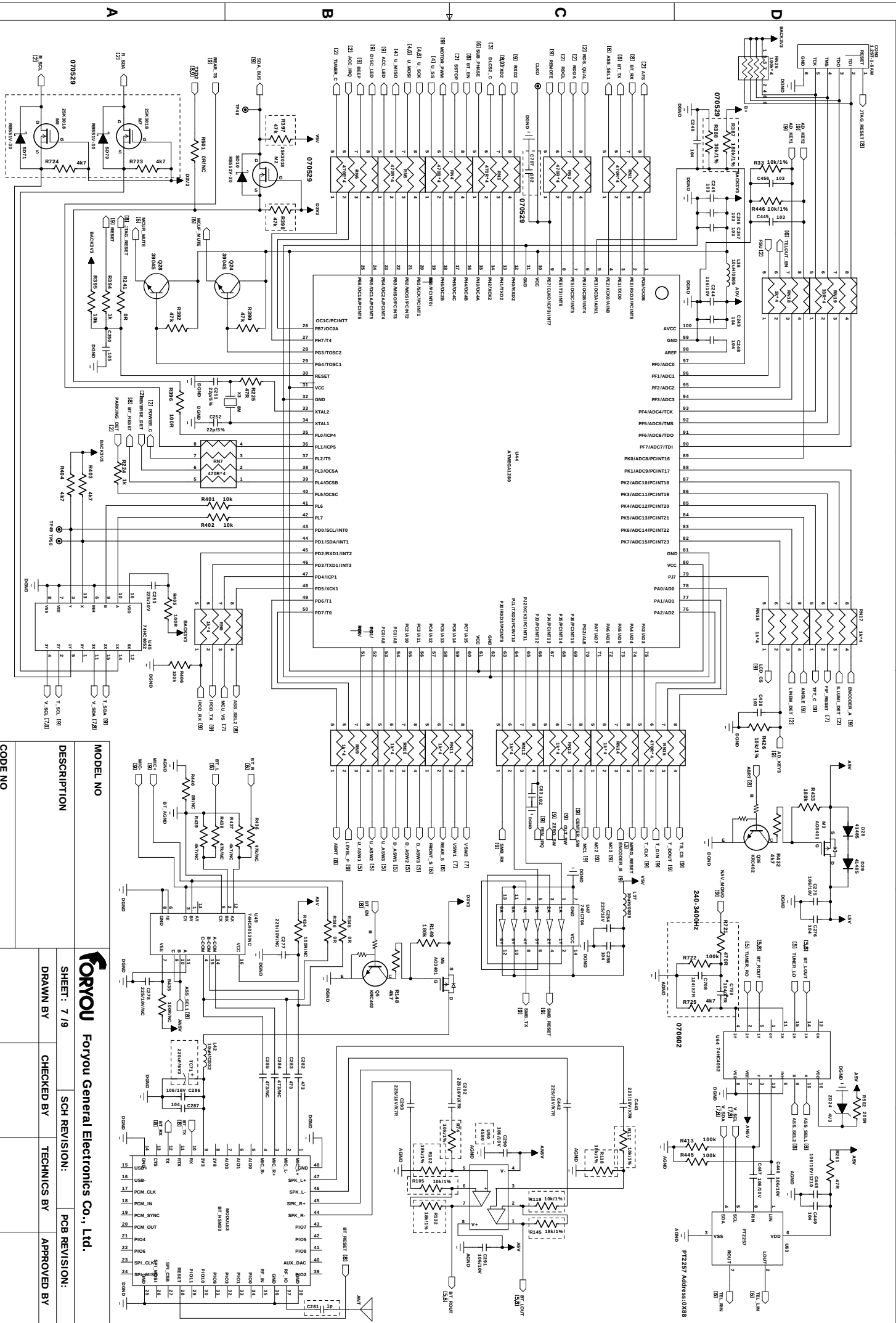
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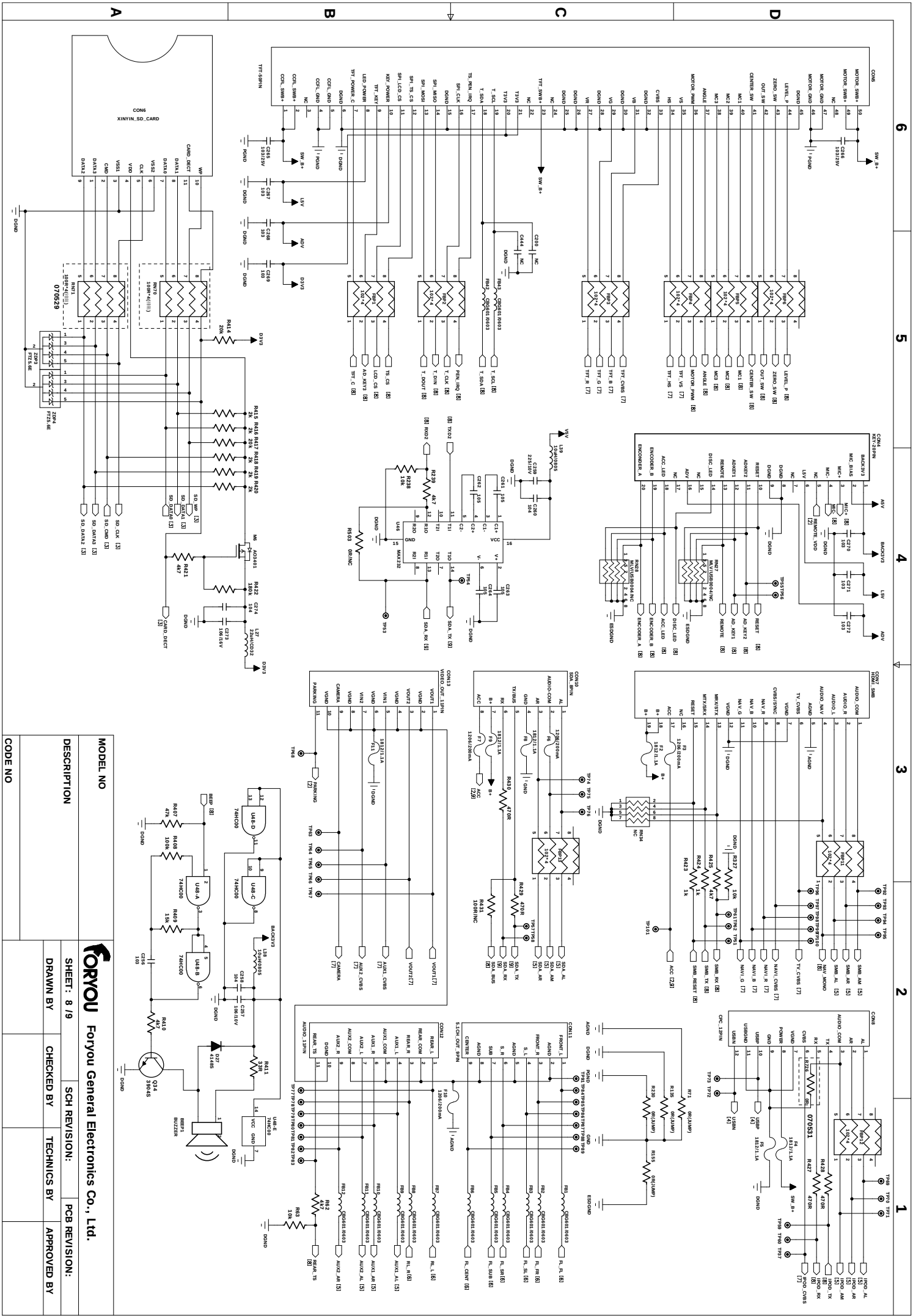


MODEL NO
DESCRIPTION
SHEET : 6 / 9
DRAWN BY
CHECKED BY
TECHNICS BY
APPROVED BY

FORYOU
Foryou General Electronics Co., Ltd.

CODE NO





MODEL NO

DESCRIPTION

SHEET: 8/19

DRAWN BY

PCB REVISION:

FORYOU Foryou General Electronics Co., Ltd.

TECHNICS BY

APPROVED BY

NO.	Code	Spec.	Location	QTY.
1	123015030146	PCB,MB,DV-7300,FR4,4 LAYER,1.2mm,172*159,2mm,TIN PLATE		1
2	121604000103	RES,10KΩ,±5%,1/16W,.0603	R8,R9,R15,R20,R24,R35,R36,R37,R38,R56,R59,R78,R79,R136,R189,R193,R207,R 210,R309,R326,R336,R337,R338,R363,R369,R380,R382,R384,R386,R63,R152,R17 3,R176,R238,R395,R401,R402,R464,R327,R186,R265,R266,R180,R324,R342,R69, R77,R228,R229	49
3	121604010183	RES,18KΩ,±1%,1/16W,.0603	R118,R145,R132,R102	4
4	121604000333	RES,33KΩ,±5%,1/16W,.0603	R147	1
5	121604000224	RES,220KΩ,±5%,1/16W,.0603	R312,R340	2
6	121604000331	RES,330Ω,±5%,1/16W,.0603	R133,R332,R325,R348,R350,R134	6
7	121604000433	RES,43KΩ,±5%,1/16W,.0603	R260,R448,R449,R454,R455,R456	6
8	121604010103	RES,10KΩ,±1%,1/16W,.0603	R426,R33,R446,R117,R119,R74,R105	7
9	121604010511	RES,510Ω,±1%,1/16W,.0603	R151	1
10	121604001021	RES,.0603, 1.02k, ±1%, 1/16W	R485	1
11	121604010392	RES,3K9,±1%,1/16W,.0603	R103,R121,R161,R195,R200,R204,R215,R219,R222	9
12	121618000102	RES,1KΩ,4,±5%,1/16W,.0603	RN7,RN8,RN9,RN10,RN11,RN12,RN13,RN14,RN16,RN17,RN18	11
13	121618000471	RES,470Ω,4,±5%,1/16W,.0603	RN1,RN2,RN6,NR3,RN4,RN5	6
14	121803000201	CAP,200pF,±10%,16V,X7R,.0603	C435,C436,C434,C437	4
15	121803000221	CAP,220pF,±10%,50V,NPO,.0603	C491	1
16	121803000222	CAP,2200pF,±10%,50V,X7R,.0603	C201,C30	2
17	121803000474	CAP,0.47uF,±80,-20%,25V,Y5V,.0603	C32,C31,C202,C203	4
18	121812000106	CAP,10uF,±80%,-20%,25V,Y5V,1210	C289	1
19	121845040227	TAN,CAP,220uF,±20%,10V,C	TC71	1
20	121845040107	TAN,CAP,100uF,±20%,10V,C	TC34,TC35,TC36,TC17,TC19,TC20,TC27,TC70	8
21	122200000004	SW Diode,1N4148,300mA,200mW,SOD- 323	D6,D7,D8,D9,D10,D11,D12,D13,D14,D15,D16,D17,D18,D19,D20,D21,D22,D23,D 24,D26,D27,D28,D29,D30,D31,D36,D37, D32,D33	29
22	122224000024	ZENER DIODE,6.8V,SOD-323	ZD16,ZD17	2
23	122400000025	IC,74HCT04,TSSOP14	U40,U47	2
24	122400000292	IC,PT2257-S,S08,PTC	U63	1
25	122400000397	IC,TLC2272CD,SOP-8,TI	U30	1
26	122410000174	74HC32, TSOP14	U32	1

27	122410000175	IC,74HC4051,TSSOP16,PHILIPS	U8,U9,U19,U20	4
28	123805010259	19PIN,0.5mm,HDML,SMT	CON7	1
29	142400000016	IC,74HC4052PW,TSSOP16	U45,U64	2
30	142400000776	IC,79L08,SOT-89,UTC	U11	1
31	142400000777	IC,79L05,SOT-89,UTC	U6	1
32	121604000562	RES,5k6Ω,±5%,1/16W,0603	R70,R76	2
33	121604000000	RES,0Ω,±5%,1/16W,0603	R3,R233,R235,R240,R241,R243,R244,R245,R259,R307,R308,R256,R267,R268,R272,R275,R304,R345,R346,R334,R131,R101,R107,R137,R64,R217,R213,R163,R159,R106,R198,R202,R708,R709,R726	37
34	121604000047	RES,4Ω7,±5%,1/16W,0603	R172,R175	2
35	121604000100	RES,10Ω,±5%,1/16W,0603	R115,R306,R34	3
36	121604000201	RES,200Ω,±5%,1/16W,0603	R93,R123,R178,R181,R184,R262,R502,R65,R120,R160,R199,R203,R214,R218,R710-R716	21
37	121604000101	RES,100Ω,±5%,1/16W,0603	R92,R111,R112,R113,R114,R122,R156,R179,R182,R185,R254,R271,R305,R355,R405,R169,R170,R396,R447,R474,R475,R489,R263,R335,R493,R494,R500,R702,R703,R719,R192	31
38	121604000392	RES,3K9Ω,±5%,1/16W,0603	R720	1
39	121604000102	RES,1KΩ,±5%,1/16W,0603	R32,R322,R323,R385,R165,R224,R394,R452,R453,R497,R498,R44,R45,R423,R424,R330,R331,R141,R142	19
40	121604000123	RES,12KΩ,±5%,1/16W,0603	R80,R83,R86,R89	4
41	121604000243	RES,24KΩ,±5%,1/16W,0603	R221	1
42	121604000104	RES,100KΩ,±5%,1/16W,0603	R30,R40,R41,R46,R47,R49,R50,R72,R73,R81,R84,R87,R90,R109,R110,R139,R140,R344,R406,R150,R311,R339,R408,R463,R413,R445,R248,R196,R722,R2	30
43	121604000153	RES,15KΩ,±5%,1/16W,0603	R75,R99,R409,R42,R68	5
44	121604010184	RES,180KΩ,±1%,1/16W,0603	R387	1
45	121604000184	RES,180KΩ,±5%,1/16W,0603	R149,R422,R433,R4,R6,R10	6
46	121604000202	RES,2KΩ,±5%,1/16W,0603	R415,R416,R418,R419,R420,R341,R704,R705,R706,R707	10
47	121604000474	RES,470KΩ,±5%,1/16W,0603	R508,R509	2
48	121604000203	RES,20KΩ,±5%,1/16W,0603	R116,R247,R310,R358,R414,R417,R460,R499,R16,R19,R21,R27,R351,R352,R353,R506,R264	17
49	121604010303	RES,30KΩ,±1%,1/16W,0603	R388	1
50	121604000303	RES,30KΩ,±5%,1/16W,0603	R328	1

51	121604000330	RES,0603,33Ω,±5%,1/16W	R52,R55,R66,R67,R97,R98,R127,R128,R187,R188,R205,R206,R252,R253,R269,R270,R302,R303,R367,R372,R373,R374,R375,R376,R377,R378,R250,R251,R356,R357,R411,R450,R458,R459,R461,R462,R468,R469,R470,R487,R488	41
52	121604000393	RES,39KΩ,±5%,1/16W,0603	R51,R57,R129,R143,R190,R208,R220,R146	8
53	121604000470	RES,47Ω,±5%,1/16W,0603	R39,R43,R48,R223,R231,R14,R17,R225,R261	9
54	121604000471	RES,470Ω,±5%,1/16W,0603	R427,R428,R429,R430,R82,R85,R88,R91,R721	9
55	121604000472	RES,4K7Ω,±5%,1/16W,0603	R62,R148,R153,R166,R167,R168,R177,R226,R227,R232,R234,R236,R237,R239,R246,R249,R329,R403,R404,R410,R421,R432,R442,R444,R471,R472,R473,R476,R483,R486,R5,R7,R11,R58,R60,R144,R191,R194,R209,R211,R362,R366,R368,R379,R381,R383,R425,R441,R443,R482,R484,R723,R724,R725	54
56	121604000473	RES,47KΩ,±5%,1/16W,0603	R12,R31,R407,R197,R201,R61,R104,R158,R162,R212,R216,R390,R392,R397,R398,R700,R701	17
57	121604000561	RES,560Ω,±5%,1/16W,0603	R171	1
58	121604000622	RES,6K2Ω,±5%,1/16W,0603	R23,R26	2
59	121604000681	RES,680Ω,±5%,1/16W,0603	R174	1
60	121604000683	RES,68KΩ,±5%,1/16W,0603	R29	1
61	121604010201	RES,200Ω,±1%,1/16W,0603	R277,R278,R279,R280,R281,R282,R294,R295	8
62	121604010101	RES,100Ω,±1%,1/16W,0603	R283,R284,R285,R286,R287,R288,R292,R293	8
63	121604000750	RES,75Ω,±5%,1/16W,0603	R289,R290,R291,R296,R297,R298,R299,R300,R301,R319,R320,R321,R347,R349	14
64	121606000000	RES,0Ω,±5%,1/10W,0805	F12	1
65	121606000103	RES,10KΩ,±5%,1/10W,0805	R13,R18,R28	3
66	121606000393	RES,39KΩ,±5%,1/10W,0805	R22,R25	2
67	121608000102	RES,1KΩ,±5%,1/4W,1206	R1	1
68	121618000104	RES,100KX4,±5%,1/16W,0603	RN23,RN24,RN25,RN26	4
69	121618000330	RES,33Ω,4,±5%,1/16W,0603	RN20,RN21,RN22,RN3,RN15,RN19	6
70	121668000004	VARIABLE, USB0004RP	RN29	1
71	121803000010	1pF,±0.25pF,50V,NPO,0603	C439	1
72	121803000100	CAP,10pF,±1%,50V,NPO,0603	C288	1
73	121803000101	CAP,100pF,±5%,50V,NPO,0603	C110,C112,C118,C120,C128,C402,C404,C298,C351	9
74	121803000102	CAP,1mF,±10%,16V,X7R,0603	C53,C54,C74,C75,C109,C111,C117,C119,C127,C242,C401,C403,C425,C426,C427,C428,C429,C430,C431,C432,C100,C299,C323,C325,C327,C349,C352,C354,C63,C707	30
75	121803000682	CAP,6800pF,±10%,50V,X7R,0603	C700-C703	4

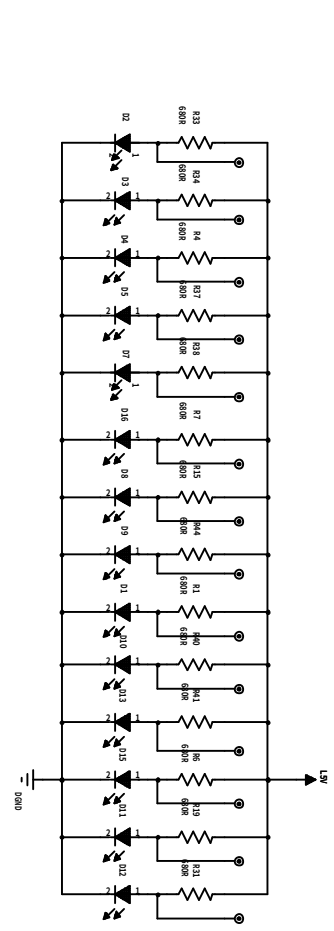
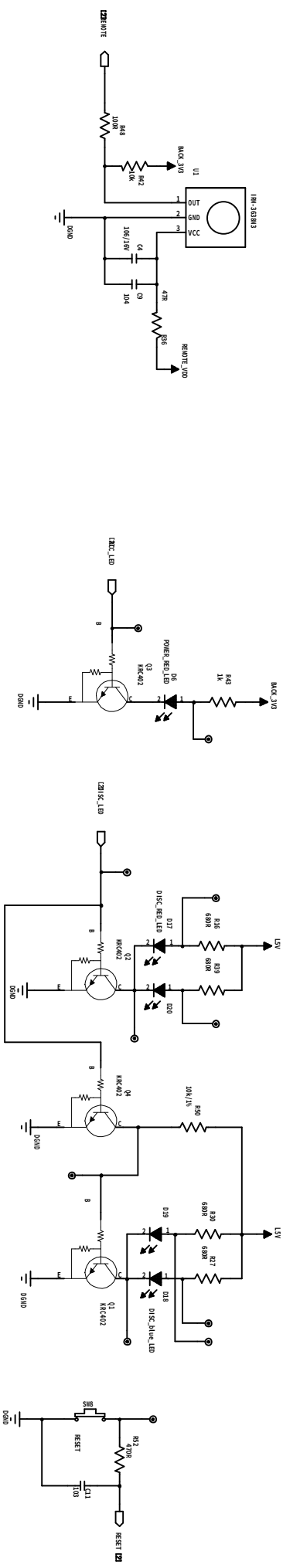
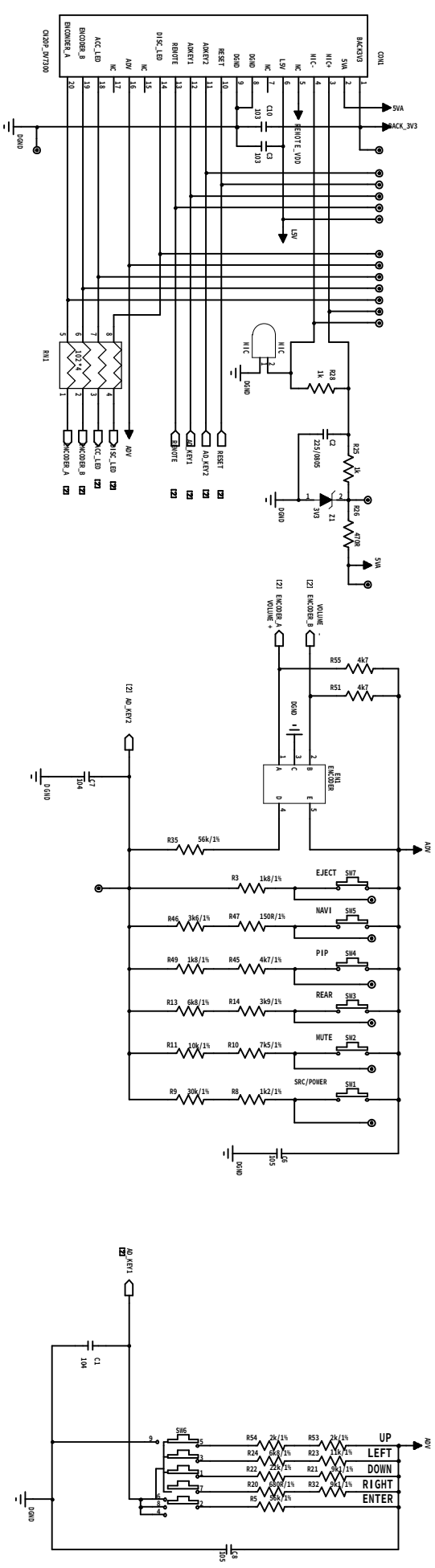
76	121803000103	CAP,0.01µF,±10%,50V,X7R,0603	C8,C41,C318,C319,C321,C381,C382,C384,C55,C56,C73,C99,C113,C114,C121,C122,C129,C189,C191,C196,C216,C218,C220,C222,C224,C229,C233,C234,C239,C245,C246,C247,C256,C267,C268,C269,C270,C271,C272,C397,C398,C405,C406,C423,C424,C452,C453,C454,C455,C456,C445,C438,C706	53
77	121803010104	CAP,0.1µF,±80%-20%,25V,X7R,0603	C708,C709	2
78	121803000104	CAP,0.1µF,±80%-20%,16V,Y5V,0603	C76,C77,C78,C89,C90,C91,C92,C96,C97,C301,C303,C304,C305,C306,C307,C309,C310,C311,C312,C313,C314,C315,C316,C322,C324,C326,C335,C346,C347,C353,C356,C360,C361,C362,C366,C367,C368,C369,C370,C371,C372,C373,C374,C375,C376,C377,C378,C379,C386,C387,C199,C9,C19,C20,C21,C57,C59,C67,C68,C79,C81,C85,C86,C123,C124,C130,C131,C132,C133,C158,C159,C160,C161,C162,C163,C164,C165,C168,C188,C190,C192,C243,C248,C249,C255,C258,C260,C274,C276,C287,C342,C343,C392,C393,C407,C408,C414,C417,C418,C419,C420,C443,C449	103
79	121803010105	CAP,1µF,±80%,20%,16V,Y5V,0603	C204,C411,C11,C14,C17,C22,C36,C38,C210,C227,C250,C261,C262,C263,C264,C279,C280,C337,C412,C10,C308,C320,C338,C383,C388,C389,C103,C105,C704,C705	32
80	121803000154	CAP,0.15µF,50V,±80%,-20%,Y5V,0603	C98,C348	2
81	121803000200	CAP,20pF,±1%,25V,NPO,0603	C136,C139,C142,C145,C148,C151,C154,C157	8
82	121803000202	CAP,2nF,±10%,16V,X7R,0603	C197,C198	2
83	121803000220	CAP,22pF,±5%,50V,NPO,0603	C213,C214	2
84	121803000223	CAP,0.022µF,±10%,50V,X7R,0603	C297	1
85	121803000270	CAP,27pF,±5%,16V,NPO,0603	C240,C93,C94,C344,C345,C251,C252	7
86	121803000271	CAP,270pF,±10%,16V,X7R,0603	C235	1
87	121803000331	CAP,330pF,±10%,16V,X7R,0603	C212,C26,C27,C28,C29	5
88	121803000470	CAP,47pF,±5%,16V,NPO,0603	C241,C134,C135,C137,C138,C140,C141,C143,C144,C146,C147,C149,C150,C152,C153,C155,C156	17
89	121803000472	CAP,4700pF,±10%,50V,X7R,0603	C294,C350,C450	3
90	121803000473	CAP,0.047µF,±10%,50V,X7R,0603	C225,C282,C283	3
91	121803000681	CAP,680pF,±10%,16V,X7R,0603	C300,C302	2
92	121803010103	CAP,10nF,±80%-20%,25V,Y5V,0603	C265,C266	2
93	121803020104	CAP,0.1µF,±80%,-20%,50V,Y5V,0603	C5,C7,C13,C2,C23,C226	6
94	121803040105	CAP,1µF,±10%,25V,X5R,0603	C1,C4,C6,C12,C15,C170,C171,C172,C173,C174,C175,C176,C177,C178,C179,C180,C181,C182,C183,C184,C185,C186,C187	23
95	122224000138	BZT52C4V3S,±0.3V,SOD323,TAPE	ZD18,ZD19,ZD20,ZD21,ZD22,ZD23,ZD24	7
96	121806010225	CAP,2.2µF,±10%,10V,X5R,0805	C50,C64,C102,C104,C106,C253,C254,C259,C18,C24,C40,C42,C45,C46,C47,C48,C208,C209,C211,C292,C293,C357,C358,C396,C441,C442,C451	27

97	121806020106	CAP,10uF,+80%-20%,10V,Y5V,.0805	C3,C16,C37,C39,C43,C44,C51,C52,C58,C65,C66,C71,C72,C80,C87,C88,C107,C108,C115,C116,C125,C126,C169,C215,C236,C238,C244,C257,C275,C290,C291,C317,C328,C329,C340,C341,C363,C364,C365,C394,C395,C399,C400,C413,C415,C416,C421,C422,C336,C195,C433,C446,C447	53
98	121809010106	CAP,10uF,-20%~+80%,16V,Y5V,1206	C34,C217,C219,C221,C223,C273,C333,C335,C391,C334,C286,C339,C330,C359,C380,C390,C332,C448	18
99	121812000476	CAP,47uF,+80%-20%,10V,Y5V,1210	C25,C101	2
100	121812010226	CAP,22uF,-20~+80%,16V,Y5V,1210	C60,C82	2
101	121827000335	SMT E-CAP,3.3uF,±20%,4(D)×5.3(L),50V,	EC43	1
102	121827000105	SMT E-CAP,1uF,±20%,4(D)×5.3(L),50V	EC10,EC42	2
103	121827000107	SMTE-CAP,100uF,±20%,6.3X5.5,16V,-55℃--105℃	EC2,EC3,EC4	3
104	121827010334	SMT E-	EC6,EC7,EC8,EC9	4
105	121827020476	SMT E-CAP,47uF,±20%,5(D)×5.3(L),16V	EC11,EC12	2
106	121845000476	TAN,CAP,47uF,±20%,16V,C	TC13,TC14,TC15,TC16,TC32,TC33,TC41	7
107	121845010226	TAN,CAP,22uF,±20%,6.3V,B	TC9,TC10,TC11	3
108	122000000015	INDUCTOR,1.8UH,.0805	L14,L15,L16,L17,L18,L19,L20,L21	8
109	122000000036	INDUCTOR,10uH,.0805	L5,L9,L11,L12,L13,L22,L24,L25,L26,L28,L29,L30,L31,L33,L35,L36,L37,L38,L39	19
110	122000000170	POWER INDUCTOR,10uH,CD31	L40	1
111	122000000109	POWER INDUCTOR,10uH,CD32	L1,L2,L4,L6,L10,L23,L32,L34,L42,L7,L8	11
112	122000000135	POWERINDUCTOR,22uH,CD32	L3,L27	2
113	122040000058	POWER	FB76	1
114	122000000207	INDUCTOR,10uH,±20%,1.5A,CD43,CEAIYA	L49	1
115	122040000031	CHIP BEAD,0603,600R,CBG0603U601MT	FB1,FB2,FB3,FB4,FB5,FB6,FB7,FB8,FB9,FB10,FB11,FB12,FB24,FB25,FB26,FB27,FB28,FB29,FB30,FB31,FB32,FB33,FB34,FB35,FB42,FB43,FB13,FB14,FB15,FB18,FB19,FB20,FB21,FB41	34
116	122040000039	CHIP BEAD,0805,120R,CBW0805U121MT	FB16,FB17,FB22,FB23,FB44,FB45,FB46,FB47	8
117	121618000101	RES,100Ω,4,±5%,1/16W,.0603	RN70,RN71	2
118	121618000000	RES,0Ω,4,±5%,1/10W,.0603	FBP1,FBP2,FBP3,FBP4,FBP5,FBP6,FBP11,FBP12,FBP13	9
119	122290000002	ESD DIODE,1MSA-6801-01Y901	D25	1
120	122251000001	TR,2N3904(NPN),SOT-23	Q8,Q10,Q11,Q13,Q24,Q28,Q30,Q34	8
121	122400000045	IC,78L12,SOT-89	U5	1

122	122400000609	IC,PVP9390A,PMQFP44-1,MICRONAS	U42		1
123	122400000612	IC,RT9161A-50X,SOT-89,RICHTEK	U15,U16		2
124	122400000613	IC,XC6202P332PR,SOT-89,TORREX	U1		1
125	122410000331	IC,SDRAM,166M,HY57V281620FTP-6,TSOP-54,HY,	U51,U55		2
126	122490000066	IC,CD74HC4538PWE4,TSSOP16,TI,	U39		1
127	122490000067	IC,FMS6501MSA28X,SSOP28,FAIRCHILD	U41		1
128	122825000072	CRYSTAL,20.25M,CL=18pF,±10ppm OVER RANGE ±15ppm,AT -20°C+7	X1		1
129	141845040106	TAN,CAP,10μF,±20%,16V,A	TC1,TC2,TC3,TC4,TC5,TC6,TC7,TC8,TC21,TC22,TC23,TC24,TC25,TC26,TC27,TC28,TC29,TC30,TC31		19
130	142206000010	REC DIODE,1SR154,SOD-106	D2,D3,D4,D5		4
131	142224000019	ZENER DIODE,5.6V,SOD-323	ZD2,ZD13,ZD15		3
132	142224000085	ZENER DIODE,18V,,SOD-323,	ZD1,ZD3,ZD4,ZD5,ZD6,ZD7,ZD8,ZD9,ZD10,ZD11,ZD12,ZD14		12
133	142233000004	SCHTTKY DIODE,RB063L-30,SOD-106	SD1		1
134	142233000006	SCHTTKY DIODE,RB551V-30,0.5A,20V,SOD-323	SD2,SD3,SD4,SD5,SD6,SD7,SD8,SD9,SD10,SD70,SD71		11
135	142245000048	TR,MMBT3906LT1,SOT-23,PNP	Q9		1
136	142251000005	TR,2SB1132,SOT-89	Q37,Q208		2
137	142260000004	MOSFET,A03401,SOT-23	M1,M3,M4,M5,M6		5
138	142260000002	MOSFET,2SK3018,UMT3	M2,M7,M8		3
139	142266000005	MOSFET,IRF7205,SOP8,IR	U2		1
140	142290000004	ESDIODE,PG05GBUSV,24A,200W,5G	ZDP1,ZDP2,ZDP3,ZDP4		4
141	142290000009	TR,KRA304,USM	Q3,Q7,Q12,Q18,Q19,Q22,Q42,Q43,Q46,Q47		10

142	142290000012	TR,KRC402,U5M	Q2,Q4,Q5,Q6,Q23,Q26,Q27,Q36,Q33	9
143	142290000022	TR,KTC4375Y,SOT-89	Q1	1
144	142290000025	TR,KTD1304,SOT-23	Q14,Q15,Q16,Q17,Q20,Q21,Q44,Q45,Q75	9
145	142400000013	74HC00, TSOP14	U48	1
146	142400000021	IC,74HC4053PW,TSSOP-16,Philips	U24,U25,U26,U33,U34,U62,U60	7
147	142400000093	IC,BA3121F,SOP8,ROHM	U12,U17,U18	3
148	142400000117	IC,BA7071,ROHM	U59,U61	2
149	142400000118	IC,BA7603F,ROHM	U36,U37,U38	3
150	142400000159	IC,ESS380FCA,PQFP208,ESS	U23,U54	2
151	142400000284	IC,NJM4558M,SOP8,NJRC	U13,U14,U22	3
152	142400000388	IC,TDA7478D,SO 16,ST	U43	1
153	142400000553	ADC,PCM1803DBR,SSOP20,,	U35,U58	2
154	142400000591	IC,NJM4580E,EMP8,JRC	U28,U29,U31,U50	4
155	142400000594	IC,RT9819C-27PV,SOT-23,RICHTEK	U27	1
156	142400000607	IC,KIA7808AF,DPAK,KEC	U4	1
157	142400000608	IC,KIA7815AF,DPAK,KEC	U3	1
158	142410000002	IC,24C08,SOP8	U53,U57	2
159	142410000065	IC,MAX232ESE,SOP16,MAXIM	U46	1
160	142410000147	IC,16M,8BIT,KH29LV16DCBTC-70,TSOP-48,,	U52,U56	2
161	142410000149	IC,ATMEGA1280-16AU,TQFP-100,ATMEL	U44	1
162	142490000053	IC,WM8746,SSOP28,WOLFSON	U10,U21	2
163	142825000029	CRYSTAL, 27M,±10ppm,-30°C~+90°C,CL=20p,HC-49SMT	X4,X5	2

164	142825000045	CRYSTAL, 4.332M,HC-49SMT	X2	1
165	142825000053	CRYSTAL, 8M,±15ppm,-30℃~+90℃,HC-49SMT,CL=20p	X3	1
166	143805000036	CONNECTOR,2PIN,1.25mm,HORIZONTAL	CON1	1
167	143815000043	FFC CON,20PIN,0.5mm,UPPER CONTACT	CON4	1
168	143815010089	FPC CON,50PIN,0.5mm,UPPER CONTACT	CON5	1
169	143815000093	FPC CON,50PIN,0.5mm,BOTTOM CONTACT	CN2	1
170	144800000001	1812,1.1A,PTC	F2,F4,F5,F8,F9,F11,F13,F14	8
171	144800000011	FSMD020-1206,0.2A,PTC	F1,F3,F6,F7, F10	5
172	121842010477	E,CAP,470μF,±20%,8X12,16V,105℃	EC13	1
173	121842040478	4700uF/16V, ±20%, -40~+105℃, Load life: 2000H, 16*27mm	EC1,EC5	2
174	123805000022	16PIN POWER SOCKET,16PIN,2.5mm,DIP 90°,WHITE	CON2	1
175	123805000125	CONNECTOR,11pin,2.0mm,DIP 180°	CON13	1
176	123805000152	CONNECTOR,8pin,1.5mm,DIP 180°	CON10	1
177	123805000155	CONNECTOR,9PIN,2.0mm,DIP 90°	CON11	1
178	123805000274	SOCKET,11PIN,1.5mm,DIP 90°	CON12	1
179	142400000390	IC,TDA7560,FLEXIWAIT25,ST	U7	1
180	123660000001	BUZZER,HC12-105B	BEEP1	1
181	124815000068	DV-7300,TUNER,TC-512FY1A,FM/AM/OIRT/RDS	MODULE2	1
182	124830000025	BLUE TOOTH MODULE,THSM3.0	MODULE3	1
183	123805000306	CONNECTOR,12PIN,1.5mm,DIP 180°	CON8	1
184	122239000001	REC DIODE, 5KP24A	D1	1



MODEL NO		DV7310	
DESCRIPTION		KEYBOARD	
CODE NO		77300A-123010020492	

SHEET: 2 / 2		SCH REVISION: V00		PCB REVISION:20492	
DRAWN BY		CHECKED BY		TECHNICS BY	
				APPROVED BY	

Foryou Foryou General Electronics Co., Ltd.

NO.	Code	Spec.	Location	QTY.
1	123010030492	PCB,KB,DV-7300,FR4,1.6mm,166.6*21.1mm,TIN PLATE,		1
2	121803010103	CAP,10nF,+80%-20%,25V,Y5V,0603	C3,C10,C11	3
3	121803000103	CAP,0.01μF,±10%,50V,X7R,0603	C1,C7	2
4	121803000104	CAP,0.1μF,+80%-20%,16V,Y5V,0603	C9	1
5	121803010105	CAP,1μF,+80%, -20%,16V,Y5V,0603	C6,C8	2
6	121806010225	CAP,2.2uF,±10%,10V,X5R,0805	C2	1
7	121812010106	CAP,10μF,±10%,16V,1210	C4	1
8	121604000470	RES,47Ω,±5%,1/16W,0603	R36	1
9	121604000101	RES,100Ω,±5%,1/16W,0603	R48,R25	2
10	121604010151	RES,150Ω,±1%,1/16W,0603	R47	1
11	121604000471	RES,470Ω,±5%,1/16W,0603	R26,R52	2
12	121604000102	RES,1KΩ,±5%,1/16W,0603	R43	1
13	121604010681	RES,680Ω,±1%,1/16W,0603	R16,R20,R39	3
14	121604000681	RES,680Ω,±5%,1/16W,0603	R1,R4,R6,R7,R15,R19,R27,R30,R31,R33,R34,R37,R38,R40,R41,R44	16
15	121604010122	RES,1K2Ω,±1%,1/16W,0603	R8	1
16	121604010182	RES,1.8KΩ,±1%,1/16W,0603	R3,R49	2
17	121604010202	RES,2KΩ,±1%,1/16W,0603	R53,R54	2
18	121604000222	RES,2.2KΩ,±5%,1/16W,0603	R28	1
19	121604010362	RES,3.6KΩ,±1%,1/16W,0603	R46	1
20	121604010392	RES,3K9,±1%,1/16W,0603	R14	1

21	121604010472	RES,4K7Ω,±1%,1/16W,0603	R45,R51,R55	3
22	121604010682	RES,0603,6.8K,±1%,1/16W	R13,R24	2
23	121604010752	RES,7K5,±1%,1/16W,0603	R10	1
24	121604010912	RES,9K1Ω,±1%,1/16W,0603	R21,R32	2
25	121604010103	RES,10KΩ,±1%,1/16W,0603	R11,R42,R50	3
26	121604010113	RES,11KΩ,±1%,1/16W,0603	R23	1
27	121604010223	RES,22K,±1%,1/16W,0603	R22	1
28	121604010303	RES,30KΩ,±1%,1/16W,0603	R9	1
29	121604010563	RES,56KΩ,±1%,1/16W,0603	R5,R35	2
30	121618000102	RES,1KΩ,4,±5%,1/16W,0603	RN1	1
31	123405000084	LED,BLUE,2BP0C-T3,5mA,3.5V,0603	D1,D2,D3,D4,D5,D7,D8,D9,D10,D11,D12,D13,D15,D16,D18,D19	16
32	123405000093	LED,RED,17-21/R6C-AK1M2LY/3T,5mA,5V,0805	D6,D17,D20	3
33	142224000081	3.3V,SOD-323	Z1	1
34	142290000012	TR,KRC402,USM	Q1,Q2,Q3,Q4	4
35	123210000026	TACT SW,TS-03M-BS/RS-032G01B1-SM	SW1,SW2,SW3,SW4,SW5,SW7,SW8	7
36	143805000040	CONNECTOR,2PIN,1.25mm,HORIZONTAL	MIC	1
37	143815000043	FFC CON,20PIN,0.5mm,UPPER CONTACT	CON1	1
38	143290000028	PKJXM1012005,8-DIRECTIONAL SWITCH & CENTER PUSH WITH AN ENCO	SW6	1
39	141658010116	ENCODER,EC110201M2G-HA1- 004.12.5LX14.5WX14.5H,SOUNDWELL	EN1	1
40	144805000123	INFRARED RECEIVER,IRM-3638N3	U1	1

