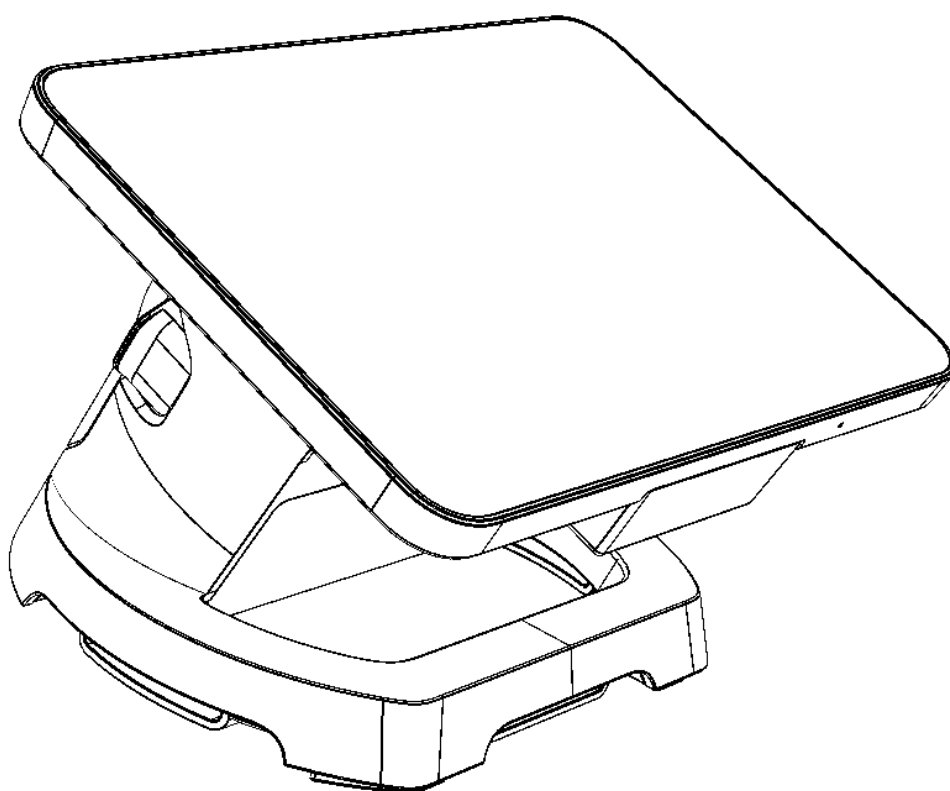


АТОЛ

АТОЛ Sigma 8Ф

Контрольно-кассовая
техника

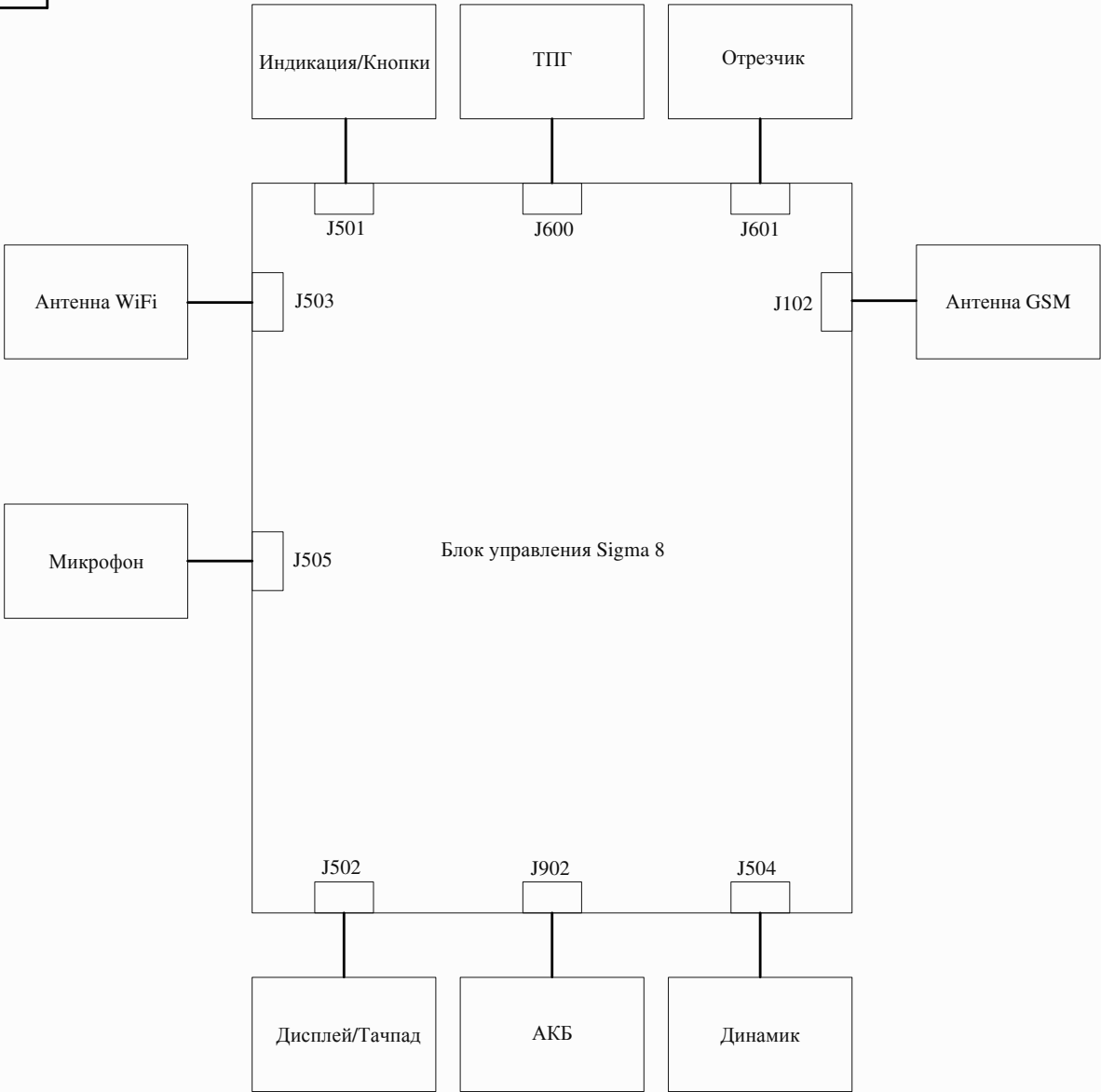


Альбом схем

2019

Содержание

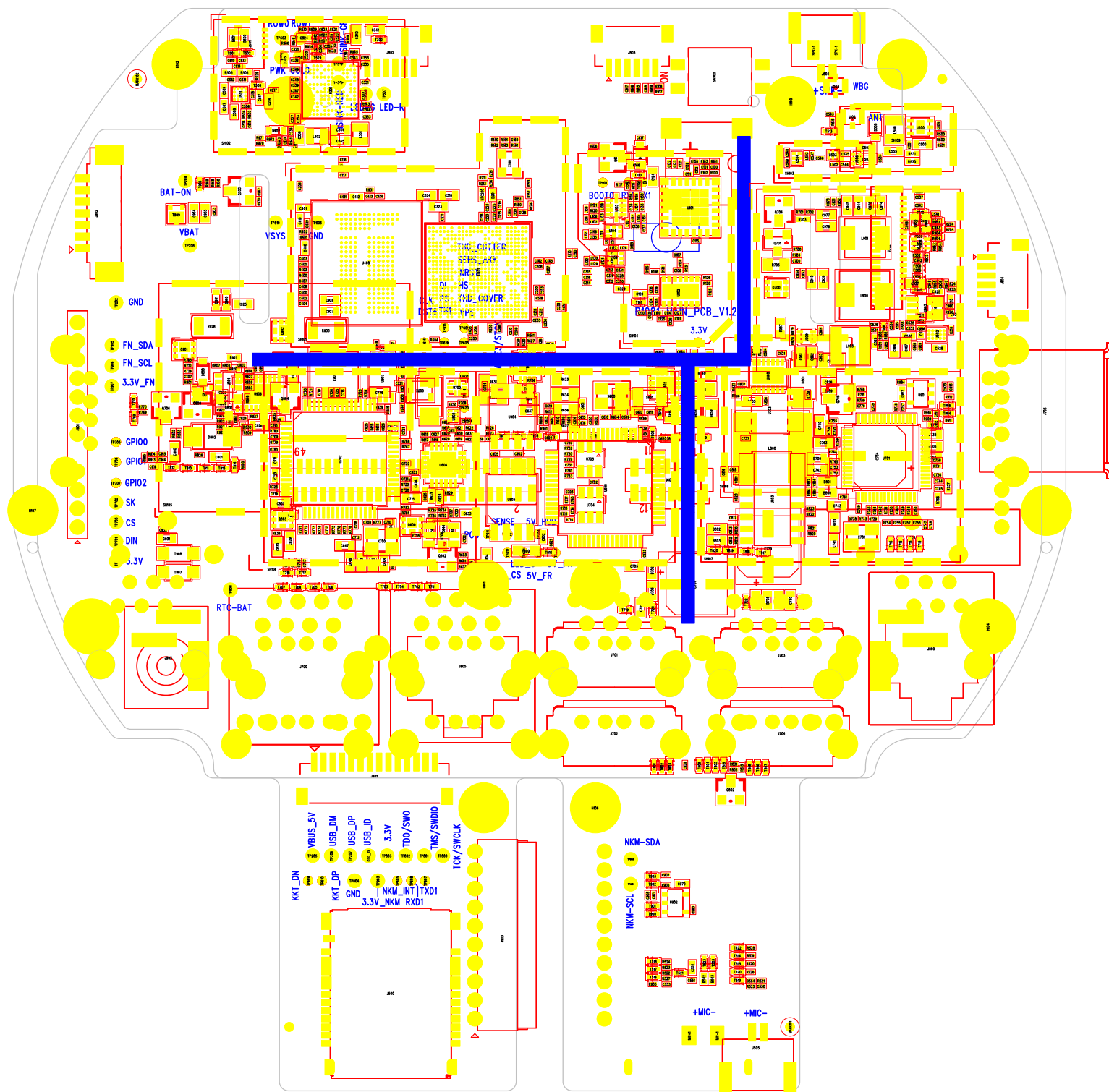
Схема электрическая соединений AL.C153.00.000IS rev. 1.2	4
Блок управления AL.C153.00.000IS rev. 1.2	5
Изображение стороны TOP блока управления AL.C153.40.000 rev. 1.2	5
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Перчень элементов BOM блока управления AL.C153.40.000 rev. 1.2	7
Схема электрическая принципиальная блока управления AL.C153.40.000 rev. 1.2	22



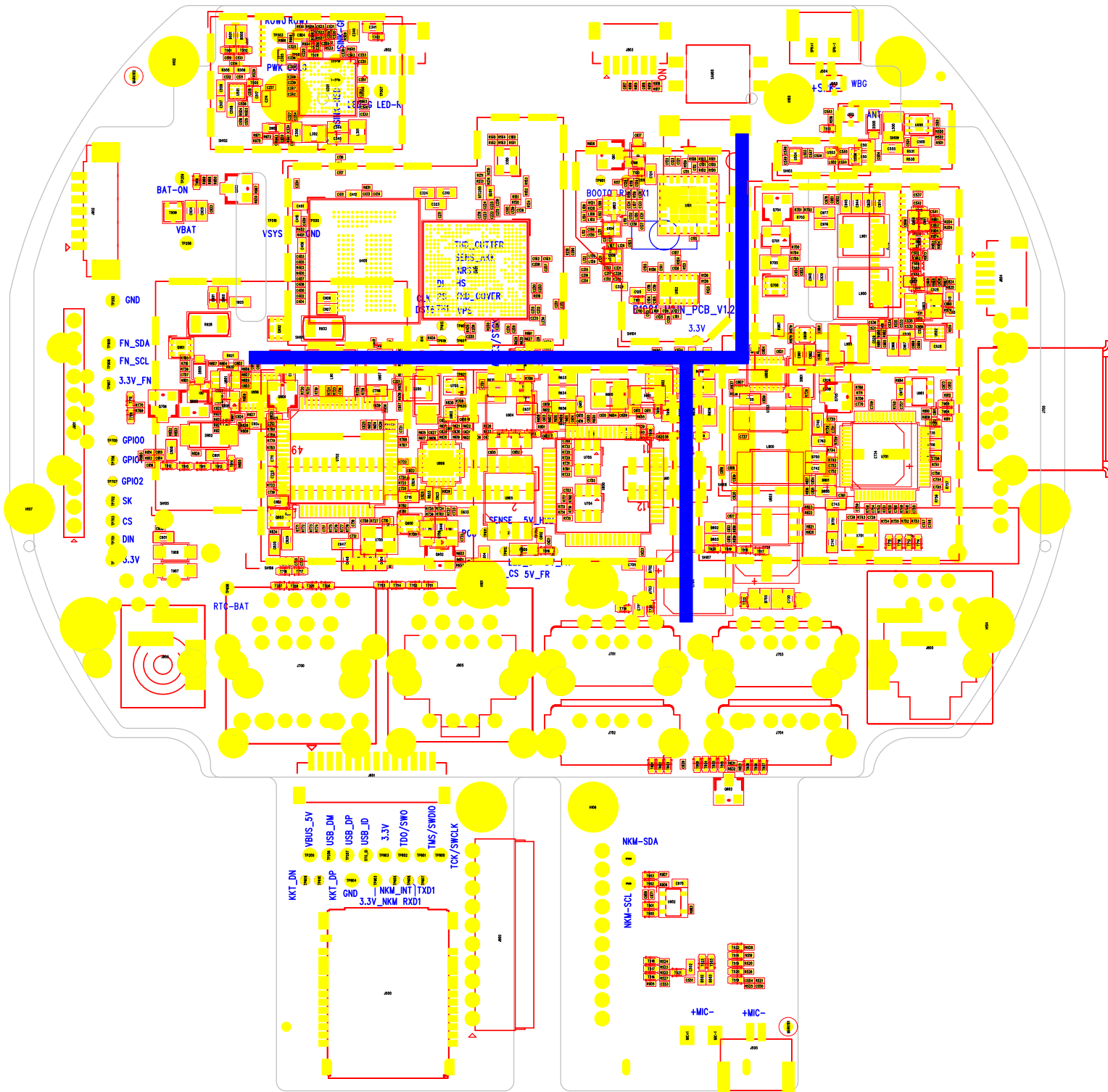
Изм./Лист	№ докум.	Подп.	Дата		
Разраб.					
Проб.					
Т.контр.					
Н.контр.					
Упр.					

AL.C153.00.000IS rev.1.2			
ATOL SIGMA 8F		Лист	Масса
Electrical connection scheme		Лист	Листов

Изображение стороны TOP блока управления AL.C153.40.000 rev.1.2



Изображение стороны BOT блока управления AL.C153.40.000 rev.1.2



Перечень элементов ВОМ блока управления AL.C153.40.000 rev.1.2

№	Значение/Наименование	Кол.	Поз.обозначение
3	MT6580A/WAZA	1	U401
4	08EMCP08-NL3DT227-A01	1	U400
5	MT6350V/AN	1	U301
6	RTM7285	1	U101
7	RPM6569-12	1	U102
8	BD2012-20L0820T/LF	1	U103
	RFBLN2109BM55S9FNH		
	RFBLN2012090BM5T25		
9	SFXG50EY902	1	U104
10	SFX897WYF02	1	U109
11	AW9962EDNR	1	U500
12	OCP2131WPAD	1	U502
13	SFHG89GA002	1	U503
14	AW5005DNR	1	U504
	AW5005DNRZ		
	AW5005ADNR		
15	DP1608-V1524CAT/LF	1	U506
	RFDIP1608060TM7T62		
16	STM32F401RDT6	1	U600
17	STSPIN220	2	U601 U602
18	SGM7227YUWQ10G/TR	1	U700
19	AX88772CLF	1	U701
20	FE2. 1-CQFP64A	1	U702
21	MP65150DJ	3	U704 U705 U706
22	MP3425DL	1	U800
23	74HC2G04GW	1	U801
24	SGM4553YXD08G/TR	1	U802
25	AZRS3232ES0. RDG	1	U803

№	Значение/Наименование	Кол.	Поз.обозначение
26	CP2105-F01-GM	1	U806
27	WS4603E-5/TR	2	U901 U902
28	MP2225GJ	1	U903
29	FM25CL64B-GTR	1	U904
30	GD25Q64CSIG	1	U905
31	BQ24133RGYR	1	U906
32	WS742904M-8/TR	1	U907
	LM358 MSOP-8		
33	MP1653GTF	2	U908 U909
34	MLT-8530	1	B600
35	SMD0603P050TF	1	F800
36	EXS00A-CS05258	1	X100
	CT2520DB26000COFZZA1		
	OZ26000004		
	X1E000291001400		
	X2R026000BZ1HZ-DEHPZ		
	RXT2520AT		
37	E3SB12E00001VE	2	X600 X700
	EXS00A-CS06252		
	TZ0347D		
	CX3225SB12000D0FLJZZ		
	TZ0760A		
	E3SB12. 0000F16S11AM		
38	SC-32S ($\pm 20 \times 10^{-6}/7.0PF$)	1	X601
	XTL721-S349-005		
	Q13FC1350000200		
	EXS00A-MU00202		
	9H03200034		
39	E3SB25E00000DE	1	X701
	XXGCELNANF-25. 000		
40	BC817	8	Q602 Q603 Q704 Q705 Q706 Q800 Q802 Q804
	BC817-40		

№	Значение/Наименование	Кол.	Поз.обозначение
41	PPM6N12V10	3	Q600 Q803 Q902
	PPM6N20V10		
42	RF4E110GN	2	Q900 Q901
	PMPB11EN		
	CSD17318Q2		
43	DMP3026SFDF	1	Q700
	PPM6N30V9		
44	IRLML2502PbF	1	Q701
	PNMT20V6		
	CJ2312		
45	DMN3023L	1	Q801
	PNMT30V6		
	CJ3400		
46	WSB5543W-2/TR	3	D500 D600 D800
	B1040WS		
	WSB5503W-2/TR		
47	SS24_SMAJ	3	D601 D801 D802
	WSB5511M-2/TR		
48	RB521S-30FJTE61	2	D900 D901
	SDM20U40-7		
	RB520S-40		
49	PTVSHC3N10VU	1	T909
50	ESD5311X-2/TR	15	T513 T701 T702 T703 T704 T705 T706 T707 T708 T709 T710 T804 T805 T806 T807
51	ESD56231L12	1	T907
52	ESD56201D12-2/TR	2	T611 T615
53	ESD9X5VL-2/TR	9	T713 T714 T715 T716 T514 T515 T516 T517 T518
	ESD9X5VU-2/TR		
	ESD9N5BU-2/TR		
	PESDXC2FD5VU		

№	Значение/Наименование	Кол.	Поз.обозначение
54	PESDNC2FD5VB	6	T900 T901 T902 T903 T904 T905
	ESD9B5V-2/TR		
	ESD5451X-2/TR		
	PESDNC2FD5VBS		
55	ESD5401N-2/TR	4	T810 T811 T812 T813
56	ESD9N12BA-2/TR	8	T602 T603 T604 T605 T606 T607 T608 T609
57	SFI0402-050E100NP-LF	16	T501 T502 T503 T523 T519 T520 T521 T527 T528 T529 T530 T801 T802 T803 T808 T809
	HL0402-050E100NP		
	CK0402100V05		
58	MCB1005B102EBP	1	B201
	BLM15AG102SN1D		
	SBJ100505T-102Y-N		
	MGGB1005M102HT-LF		
59	BLM18EG221SN1D	13	B700 B701 B702 B703 B704 B705 B706 B707 B800 B801 B802 B803 B804
60	NCP15WF104F03RC	1	NTC200
	SDNT1005X104F4250FTF		
	ERTJOER104F		
	NTCG104EF104FT		
61	RC0201JR-070RL	32	C136 L126 R110 R122 R140 R141 R150 R152 R210 R511 R512 R516 R518 R748 R749 R750 R751 R759 R779 R782 R783 R805 R824 R825 R831 R905 R911 R912 R939 R940 R968 R972
	R0201JXX0000P20L*		
	0201WMJ0000TCE		
62	RC0201FR-0710RL	3	R500 R501 R502
	0201WMF100JTCE		
63	RC0201JR-075R1L	1	R612
	RC-01U5R1JT		
64	RC0201JR-0710RL	11	R519 R520 R521 R522 R523 R524 R525 R526 R527 R973 R979
	R0201RXX100XJ20L*		
	0201WMJ0100TCE		
65	RC0201JR-0727RL	2	R125 R126
	R0201RXX270XJ20L*		
	0201WMJ0270TCE		

№	Значение/Наименование	Кол.	Поз.обозначение
66	RC0201JR-0733RL	12	R128 R613 R614 R615 R618 R619 R716 R717 R731 R732 R736 R737
	R0201RXX330XJ20L*		
	O201WMJ0330TCE		
67	RC0201FR-0736RL	1	R404
	O201WMF360JTCE		
68	RC0201FR-0749R9L	4	R752 R753 R754 R755
	RC-01U49R9FT		
69	RC0201JR-0751RL	1	R113
	R0201RXX510XJ20L*		
	O201WMJ0510TCE		
70	RC0201FR-07240RL	2	R401 R402
	R0201RXX241XF20L*		
	O201WMF2400TCE		
71	RC0201JR-07330RL	12	R603 R625 R626 R640 R800 R816 R817 R818 R819 R835 R916 R919
	RTT01331JTH		
	O201WMJ0331TEE		
72	RC0201JR-071KL	17	R108 R109 R116 R117 R213 R309 R507 R510 R515 R528 R532 R533 R534 R535 R813 R932 R944
	R0201RXX102XJ20L*		
	O201WMJ0102TCE		
73	RC0201FR-071K5L	3	R405 R508 R509
	O201WMF1501TCE		
74	RTT011541FTH	3	R635 R636 R650
	O201WMF154KTEE		
75	RC0201FR-072KL	1	R124
	R0201RXX202XF20L*		
	O201WMF2001TCE		
76	RC0201JR-072K7L	2	R722 R726
	RC-01W272JT		
77	RC0201JR-073K3L	26	R600 R606 R611 R616 R621 R627 R628 R629 R630 R641 R642 R643 R644 R704 R807 R820 R821 R822 R823 R906 R907 R909 R910 R914 R917 R941
	R0201RXX332XJ20L*		
	O201WMJ0332TCE		

№	Значение/Наименование	Кол.	Поз.обозначение
78	RTT013571FTH	1	R929
	0201WMF3571TEE		
79	RC0201FR-074K22L	1	R970
	0201WMF4221TCE		
80	RC0201JR-074K7L	3	R204 R205 R829
	R0201RXX472XJ20L*		
	0201WMJ0472TCE		
81	RC0201FR-075K1L	3	R200 R765 R766
	R0201RXX512XF20L*		
	0201WMF5101TCE		
82	RC0201FR-075K49L	1	R947
	RTT015491FTH		
	0201WMF5491TEE		
83	RC0201FR-076K8L	0	R924
	RC-01W6801FT		
	0201WMF6801TEE		
84	RC0201FR-078K2L	3	R400 R403 R605
	0201WMF8201TCE		
85	0201WMF1002TCE	1	R904
	RC0201fR-0710KL		
86	RC0201JR-0710KL	12	R118 R620 R637 R651 R653 R700 R701 R708 R836 R901 R931 R966
	R0201RXX103XJ20L*		
	0201WMJ0103TCE		
87	RC0201FR-0712K1L	2	R745 R746
	0201WMF1212TCE		
88	RC0201FR-0710k7L	1	R645
89	RC0201FR-0713KL	1	R982
	RC-01W1302FT		
	0201WMF1302TCE		
90	RTT011542FTH	1	R950
	0201WMF1542TEE		

№	Значение/Наименование	Кол.	Поз.обозначение
91	RC0201FR-0716K9L	1	R945
	0201WMF1692TCE		
92	RC0201FR-0720KL	2	R812 R828
	RTT012002FTH		
	0201WMF2002TEE		
93	RC0201JR-0722KL	3	R715 R733 R738
	RC-01W223JT		
94	R0201RXX243XJ20L*	2	R119 R617
	RC0201JR-0724KL		
	0201WMJ0243TCE		
95	RC0201FR-0727KL	1	R946
	0201WMF2702TCE		
96	RC0201JR-0733KL	22	R604 R622 R623 R639 R709 R713 R714 R719 R723 R724 R725 R728 R729 R730 R734 R735 R742 R801 R826 R834 R915 R918
	RTT01333JTH		
	0201WMJ0333TEE		
97	RC0201FR-0733KL	3	R718 R803 R949
	RTT013302FTH		
	0201WMF3302TEE		
98	RC0201FR-0739KL	1	R943
	R0201RXX393XF20L*		
	0201WMF3902TCE		
99	RC0201FR-0740K2L	3	R948 R951 R981
	RTT014022FTH		
	0201WMF4022TEE		
100	RC0201JR-0747KL	2	R660 R661
	R0201RXX473XJ20L*		
101	RC0201JR-0751KL	2	R741 R838
	R0201RXX513XJ20L*		
	0201WMJ0513TCE		
102	RC0201FR-0751KL	1	R971
	RC-01W513FT		
	0201WMF5102TCE		

№	Значение/Наименование	Кол.	Поз.обозначение
103	RC0201FR-0775KL	2	R974 R980
	RTT017502FTH		
	0201WMF7502TEE		
104	RC0201FR-0791KL	1	R802
	RTT019102FTH		
	0201WMF9102TEE		
105	RC0201JR-07100KL	10	R215 R514 R706 R808 R809 R830 R832 R953 R954 R976
	R0201RXX104XJ20L*		
	0201WMJ0104TCE		
106	RC0201FR-07100KL	7	R144 R922 R923 R934 R935 R937 R938
	R0201RXX104XF20L*		
	0201WMF1003TCE		
107	RC-01W1023FT	1	R608
	RC0201FR-07102KL		
	0201WMF1023TCE		
108	RC0201JR-07150KL	1	R810
	RC-01W154JT		
109	RC0201FR-07180KL	1	R927
	0201WMF1803TCE		
110	RC0201JR-07200KL	1	R214
	0201WMJ0204TCE		
111	RTT012323FTH	1	R607
	RC0201FR-07232KL		
	0201WMF2323TCE		
112	RC0201FR-07300KL	2	R610 R806
	RC-01W304FT		
113	RC0201FR-07330KL	4	R758 R804 R913 R942
	R0201RXX334XF20L*		
	0201WMF3303TCE		
114	RTT013743FTH	1	R811
	0201WMF3743TEE		

№	Значение/Наименование	Кол.	Поз.обозначение
115	RC0201FR-07390KL	1	R211
	0201WMF3903TCE		
116	RC0201JR-07470KL	1	R721
	R0201RXX474XJ20L*		
117	RTT019103FTH	1	R609
	0201WMF9103TEE		
118	RC0201JR-071ML	5	R654 R727 R743 R814 R815
	R0201RXX105XJ20L*		
119	RC0201FR-071ML	1	R926
	R0201RXX105XF20L*		
120	RC0402JR-070RL	6	B502 B503 R505 R506 R530 R833
	WR04X000PTL		
	0402WGJ0000TCE		
121	RC0402JR-0710RL	1	R513
	0402WGJ0100TCE		
122	RC0402JR-07220RL	3	R624 R638 R652
	RC-02W221JT		
123	RC0402JR-07330RL	1	R703
	RC-02W331JT		
	0402WGJ0331TCE		
124	RC0402JR-071KL	2	R756 R757
	0402WGJ0102TCE		
125	RC0402JR-073K3L	2	R920 R921
	RC-02W332JT		
	0402WGJ0332TCE		
126	RC0603JR-070RL	3	B500 B501 R987
	0603WAJ0000T5E		
127	RC0603JR-0710RL	1	R925
	RS-03K100JT		
128	RC0805JR-070RL	2	R656 R658
	RS-05000JT		

№	Значение/Наименование	Кол.	Поз.обозначение
129	RPF-05L1R0FT	8	R631 R632 R633 R634 R646 R647 R648 R649
	RC0805FR-7W1RL		
	0805W4F100KT5E		
130	RC0805JR-0720RL	1	R705
	0805W8J0200TCE		
131	RL1206FR-7W0R01L	2	R928 R933
132	CC0201BRNP08BN1R0	1	C106
	CC0201BRNP09BN1R0		
133	C0201COG1R2B500NTA	2	L108 C134
	CC0201BRNP09BN1R2		
134	C0201COG2R7B500NTA	2	C135 C146
	CC0201BRNP09BN2R7		
135	C0201COG5R6B500NTA	1	R104
	CC0201BRNP09BN5R6		
136	C0201COG120J500NTA	1	R106
	CC0201JRNPO8BN120		
	CC0201JRNPO9BN120		
137	CC0201JRNPO9BN150	2	C943 C965
	C0201COG150J500NTA		
	C0201COG150J250NT		
	CC0201JRNPO8BN150		
138	C0201COG180J500NTA	5	C100 C125 C545 L102 L106
	CC0201JRNPO9BN180		
	0201N180J500CT		
139	C0201COG220J500NTA	17	C111 C112 C115 C128 C129 C609 C610 C611 C612 C625 C626 C630 C708 C710 C738 C739 C930
	CC0201JRNPO9BN220		
	0201N220J500CT		
140	C0201COG330J500NTA	17	C121 C235 C504 C512 C513 C522 C523 C544 C546 C551 C932 C933 C938 C535 C536 C537 C538
	CC0201JRNPO9BN330		
	0201CG330J500NT		

№	Значение/Наименование	Кол.	Поз.обозначение
141	CC0201JRNPO8BN560	3	C101 C110 L105
	C0201C0G560J500NTA		
	0201N560J500CT		
	C0201C0G560K250NTA		
142	CC0201JRNPO9BN101	9	C105 C118 C200 C202 C212 C223 C224 C225 C521
	C0201C0G101J500NTA		
	C0201C0G101K250NTA		
143	C0201X7R221K250NTA	2	C130 C614
	GRM033R71H221KA12D		
	C0201X7R221M250NTA		
	C0201X7R221K500NTA		
	CC0201KRX7R9BB221		
	0201B221K500NT		
144	CC0201KRX7R8BB331	15	C220 C613 C628 C634 C645 C744 C745 C812 C813 C814 C815 C914 C915 C917 C918
	CM03CG331J50AH		
	C0201X5R331K250NTA		
145	C0201X7R102K250NTA	5	C104 C119 C510 C511 C534
	CC0201KRX7R8BB102		
	0201B102K250CT		
	C0201X7R102M250NTA		
146	CC0201KRX7R7BB103	6	C608 C640 C644 C703 C733 C769
	0201B103K160NT		
147	GRM033R61A333KE84D	3	C804 C807 C821
	C0201X5R333K160NT		
	C0201X5R333M100NTA		
148	C0201X5R104K6R3NTA	85	C122 C201 C203 C207 C215 C216 C218 C219 C309 C312 C313 C314 C315 C316 C317 C318 C319 C320 C321 C327 C338 C339 C342 C354 C402 C403 C404 C405 C408 C411 C413 C501 C519 C520 C600 C615 C616 C617 C619 C620 C621 C622 C623 C629 C709 C712 C713 C714 C716 C717 C718 C719 C720 C721 C722 C747 C748 C749 C750 C751
	CC0201KRX5R5BB104		
	C0201X5R104M6R3NTA		
149	C0201X5R104M100NTA	21	C631 C632 C635 C636 C643 C701 C702 C728 C732 C816 C817 C818 C819 C820 C822 C936 C951 C953 C954 C968 C971
	CC0201KRX5R6BB104		
	CL03A104KP3NNNC		

№	Значение/Наименование	Кол.	Поз.обозначение
150	CC0201KRX5R7BB104	9	C806 C919 C921 C923 C924 C946 C948 C960 C963
151	CC0201MRX5R5BB224	4	C205 C206 C211 C409
	C0201X5R224M6R3NTJ		
	CL03A224MQ3NNNC		
	CL03A224MQ3NNNH		
152	CC0201MRX5R5BB474	5	C138 C139 C142 C143 C802
	C0201X5R474M6R3NTJ		
	CL03A474MQ3NNNC		
	CL03A474MQ3NNNH		
153	CC0201MRX5R5BB105	38	C123 C140 C160 C204 C208 C209 C210 C213 C217 C222 C290 C311 C322 C325 C326 C328 C334 C336 C343 C346 C347 C348 C349 C351 C352 C353 C400 C407 C414 C533 C539 C540 C548 C553 C707 C770 C803 C825
	C0201X5R105M6R3NTX		
	CL03A105MQ3CSNH		
	CL03A105MQ3CSND		
	GRM033R60J105MEA2D		
154	CL03A105MP3NSNC	4	C638 C642 C942 C964
	CC0201MRX5R6BB105		
155	CL03A225MQ3CRNC	3	C627 C952 C978
	C0201X5R225M6R3NTX		
156	0402B473K250NT	1	C925
	CC0402KRX7R8BB473		
157	CL05A104K05NNNC	2	C624 C633
	C0402X5R104K160NT/Y		
158	CC0402KRX5R9BB104	3	C809 C826 C827
159	CL05A105KP5NNNC	4	C823 C824 C970 C972
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	C1005X5R105KDT		
	C0402X5R105M100NTB		

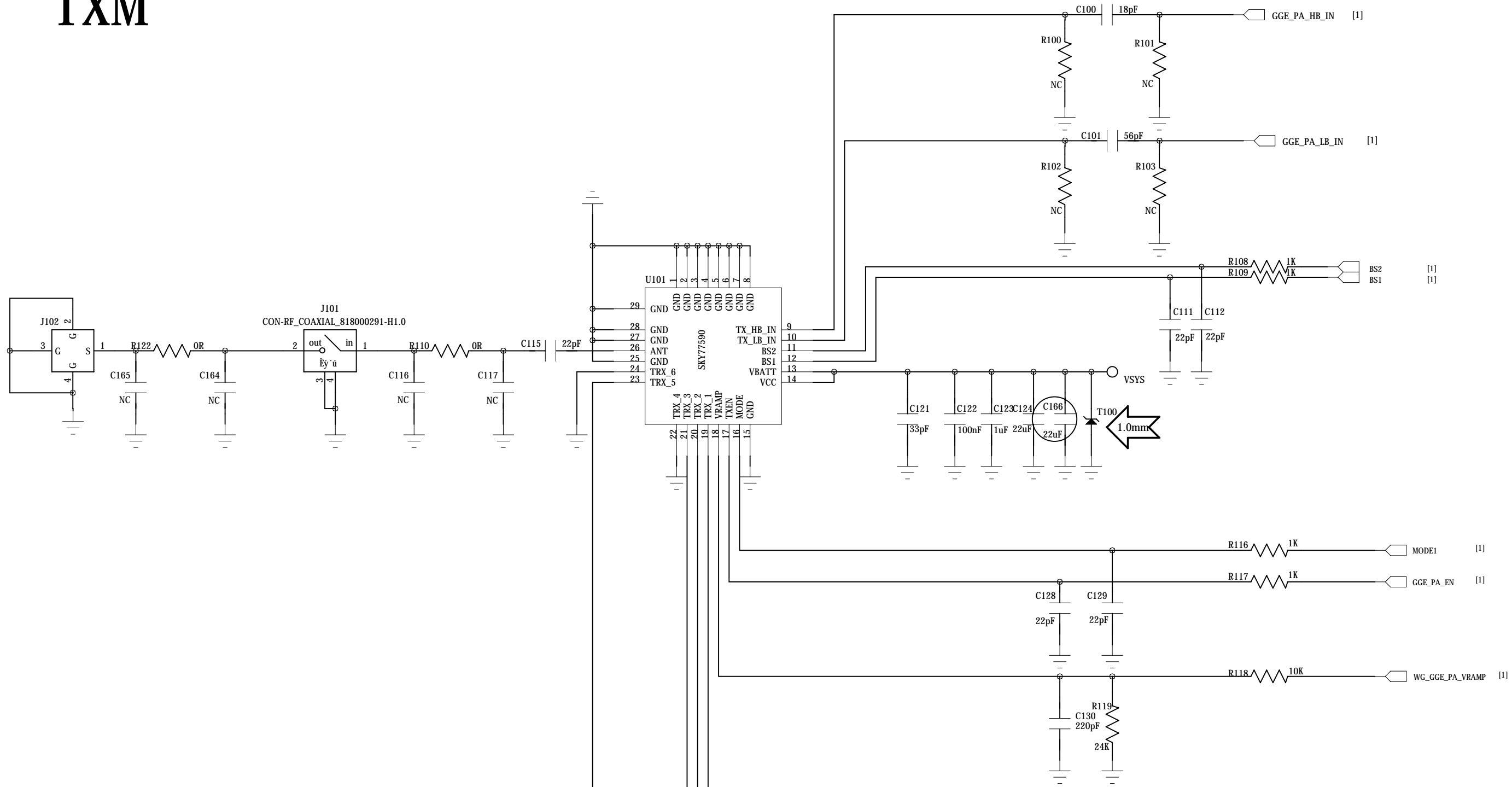
№	Значение/Наименование	Кол.	Поз.обозначение
160	CL05A225MQ5NSNC	7	C120 C305 C412 C601 C602 C641 C528
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	CC0402MRX5R5BB225		
	C0402X5R225M6R3NTB		
	CC0402KRX5R5BB225		
161	CC0402MRX5R5BB475	10	C214 C329 C401 C406 C410 C524 C525 C526 C527 C552
	C0402X5R475M6R3NTC		
	CL05A475MQ5NRNC		
162	C0402X5R106M100NTC	5	T100 C529 C530 C711 C723
	CL05A106MP5NUNC		
163	GRM188R61H105KA12	13	C502 C503 C606 C705 C706 C730 C731 C735 C800 C801 C830 C926 C929
	GRM188R61H105KAALD		
	CL10A105KB8NNNC		
	CC0603KRX5R9BB105		
	C0603X5R105M500NTD		
164	CL10A475K08NNNC	1	C805
	CC0603KRX5R7BB475		
	C0603X5R475M160NTD		
165	CL21A475KBQNNNE	1	C808
166	CC0603MRX5R5BB106	12	C323 C341 C344 C345 C500 C715 C740 C741 C742 C743 C746 C763
	CL10A106MQ8NNNC		
	C0603X5R106M6R3NTK		
	C1608X5R106MCT		
167	CC0603MRX5R8BB106	23	C555 C603 C604 C605 C607 C637 C639 C646 C647 C648 C829 C831 C920 C927 C928 C931 C934 C935 C937 C941 C956 C961 C962
	CL10A106MA8NRNC		
	CL10A106MA8NNNC		
168	CL10A226MQ8NRNE	6	C124 C166 C310 C324 C340 C350
	C0603X5R226M6R3NRK		
	C0603X5R226M6R3NTK		
	CC0603MRX5R5BB226		
	GRM188R60J226MEA01D		

№	Значение/Наименование	Кол.	Поз.обозначение
169	C0603X5R226M100NTK	10	C939 C940 C944 C945 C966 C967 C974 C975 C976 C977
	CC0603MRX5R6BB226		
	CL10A226MP8NUNE		
170	UCD1C101MCL1GS	3	C704 C729 C734
	CM1C107M6L006VR280		
	VZH101M1CTR-0606 (6. 3*5. 7)		
171	CLH0603T-2N0S-F	2	R120 R121
	SDCL0603Q2N0CT02B01		
172	CLH0603T-2N2S-F	2	L100 L110
	SDCL0603C2N2STDF		
173	CLH0603T-3N3S-F	1	L111
	SDCL0603Q3N3ST02B01		
	SDCL0603Q3N3CT02B01		
174	CLH0603T-4N7S-F	3	L101 L107 C103
	SDCL0603Q4N7ST02B01		
175	CLH0603T-7N5J-F	2	L129 L130
	SDCL0603Q7N5HT02B01		
176	CLH0603T-8N2J-F	2	C107 L503
	SDCL0603Q8N2JT02B01		
177	CLH0603T-15NJ-F	1	C155
	SDCL0603Q15NJ02B01		
	SDCL0603Q15NJT02B01		
178	CLH0603T-27NJ-F	2	L103 L131
179	WIP201610P_R68ML	2	L301 L302
	MPIA201610-R68M-LF		
180	MPIT201610-4R7M-LF	1	L501
	CIGW201610GH4R7MLE		
	DFP201610TF-4R7M		
	VLS201610HBX-4R7M-1		
	SPH201610H4R7MT		
181	MPIT252012-100M-LF	1	L500
182	WPN4012H2R2MT	1	L903

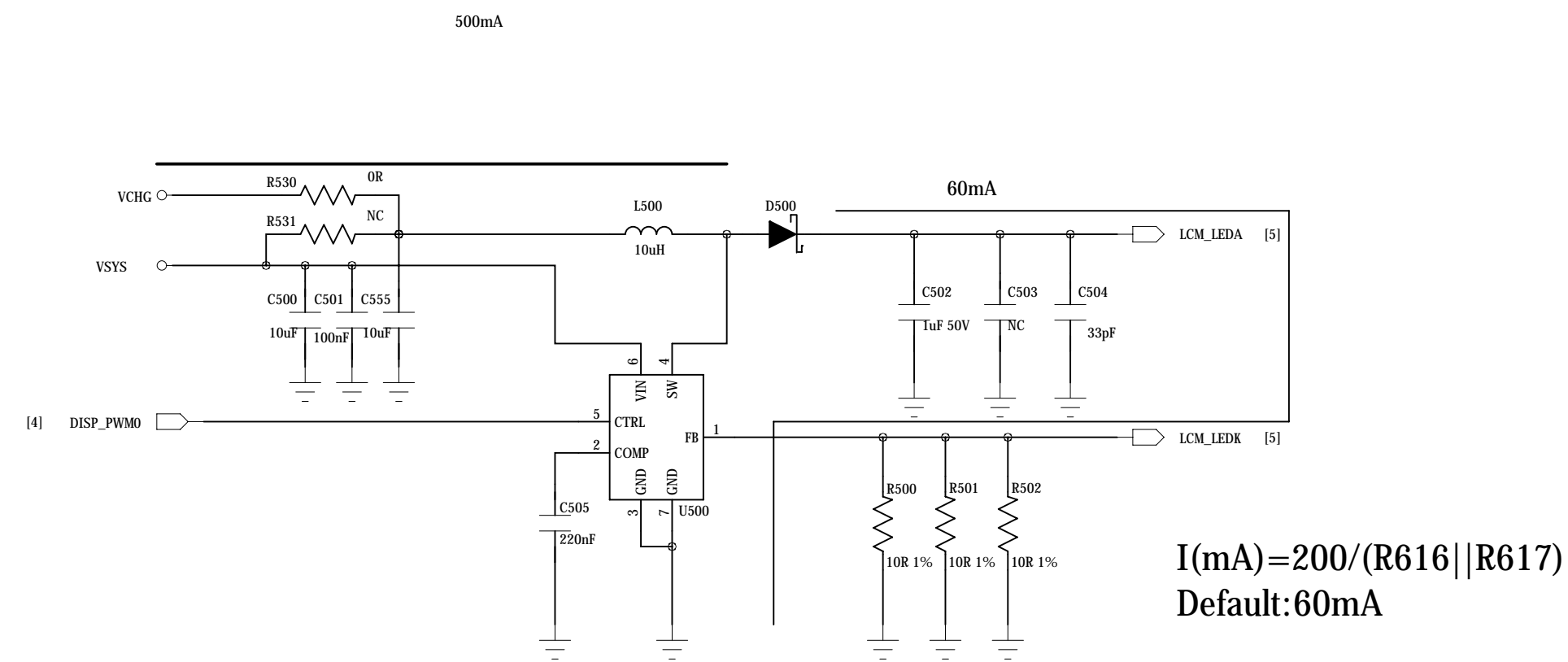
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183	MWSA0402-2R2MT	1	L901
	TMPA0402SP-2R2MN		
184	MWSA0503-3R3MT	2	L900 L902
	TMPA0503S-3R3MN-D		
	PSPMAA0503-3R3M-ANP		
185	LVS808040-330M-N	1	L800
186	ECT818000157	2	J102 J503
187	818000291	1	J101
	818011998		
188	SM43-16AB05-00	1	J500
	S70-1B17F22A		
189	CFPC0310-39RL-TAG	1	J502
	818001570-ECT		
	OK-F302-39115		
190	FH12-50S-0. 5SVA (54)	1	J600
191	FH12-12S-0. 5SVA (54)	1	J601
192	B50 (511-10) F4-94-A13	1	J700
193	USBF-ASH-03-C	4	J701 J702 J703 J704
194	USBF-ARH-01-C	1	J705
195	W-A001-C52-6P6C	1	J800
196	845-52100-007	1	J805
197	S20031R-10A43-NB	1	J900
198	C-DS1026-22-XXXXX-F1P-A	1	J901
199	A1250M-07X-01-PF	1	J902
200	DJ-D012D-2. 0	1	J903
201	DS-01A-02A-Y5	1	SA900
202	BS-2032-5	1	J904
203	A1001H-14Q-01-D	1	J801
204	818001568	1	J501
	818001568-ECT		
	OK-F302-13115		
205	SH-BB-B1081_V01	1	SH101

№	Значение/Наименование	Кол.	Поз.обозначение
206	SH-PMU-B1081_V01	1	SH102
207	SH-4IN1-B1081_V01	1	SH103
208	SH-RF-B1081_V01	1	SH104
209	SH-CHG-B1081_V01	1	SH105
210	SH-USB-HUB-B1081_V01	1	SH106
211	SH-ETHERNET-B1081_V01	1	SH107
212	SH-BL-B1081_V01	1	SH109
213	RC0201JR-0715RL	12	R767 R768 R769 R770 R771 R772 R773 R774 R775 R776 R777 R778
	0201WMJ0150TEE		

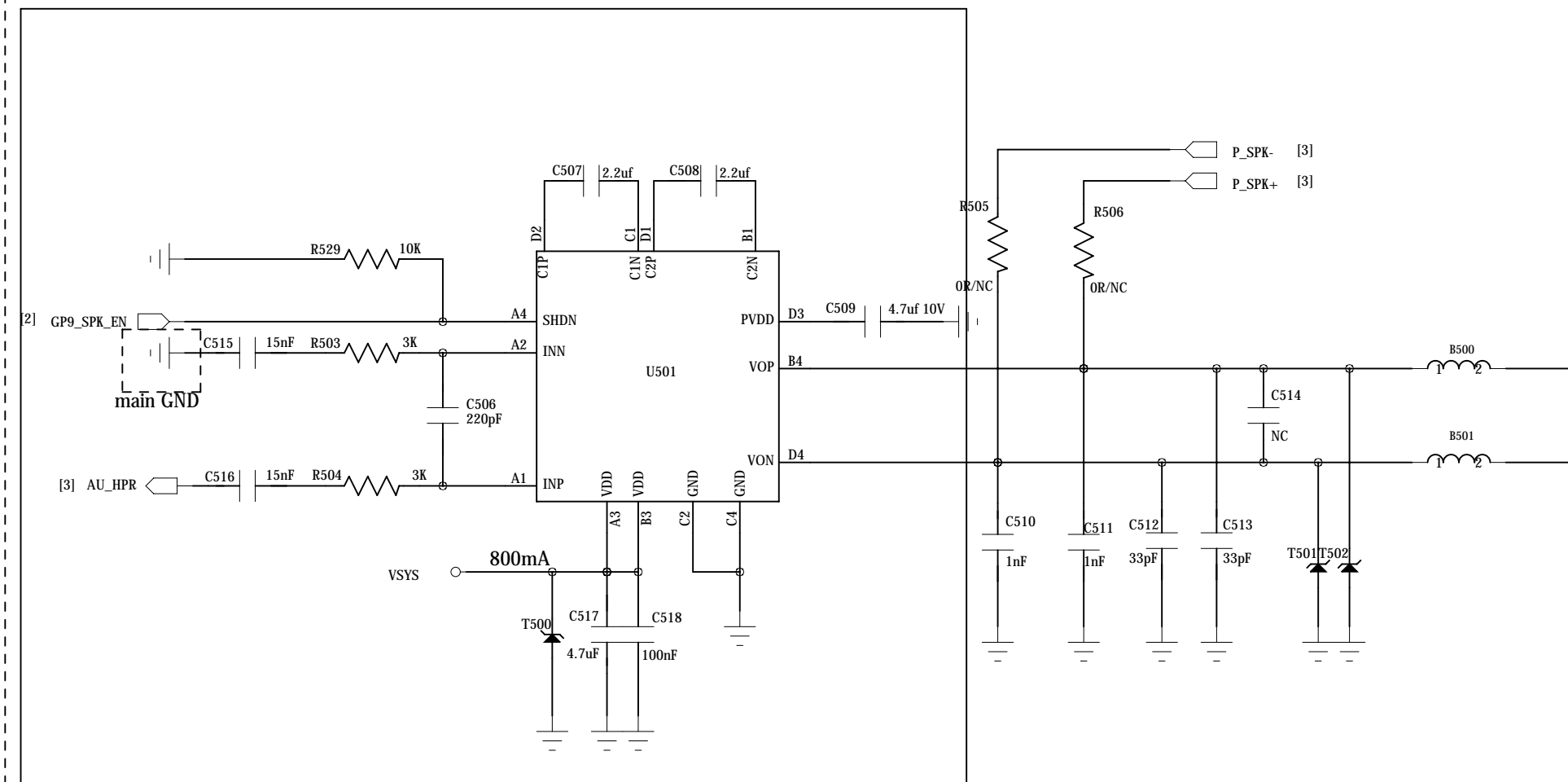
TXM



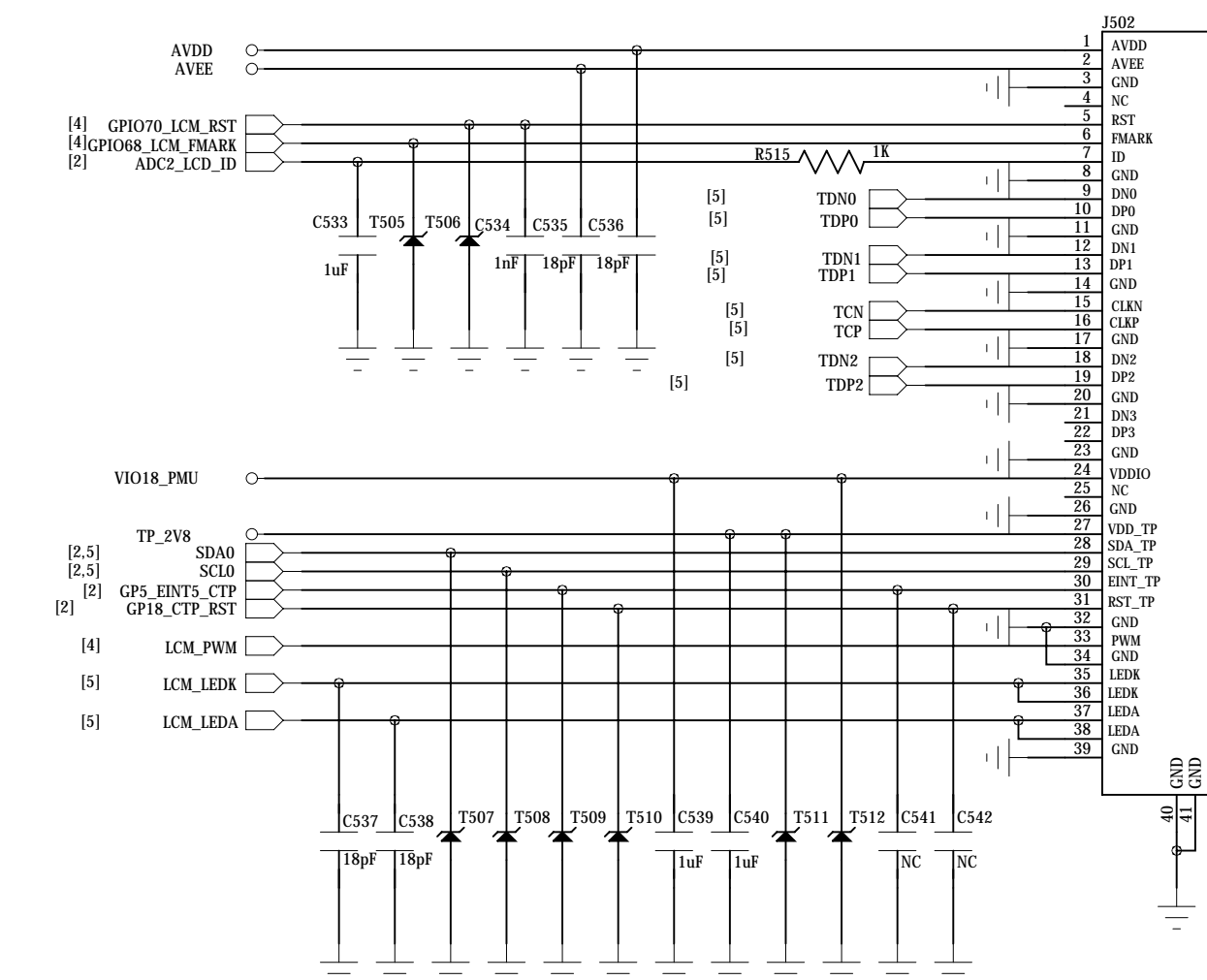
Подсветка дисплея



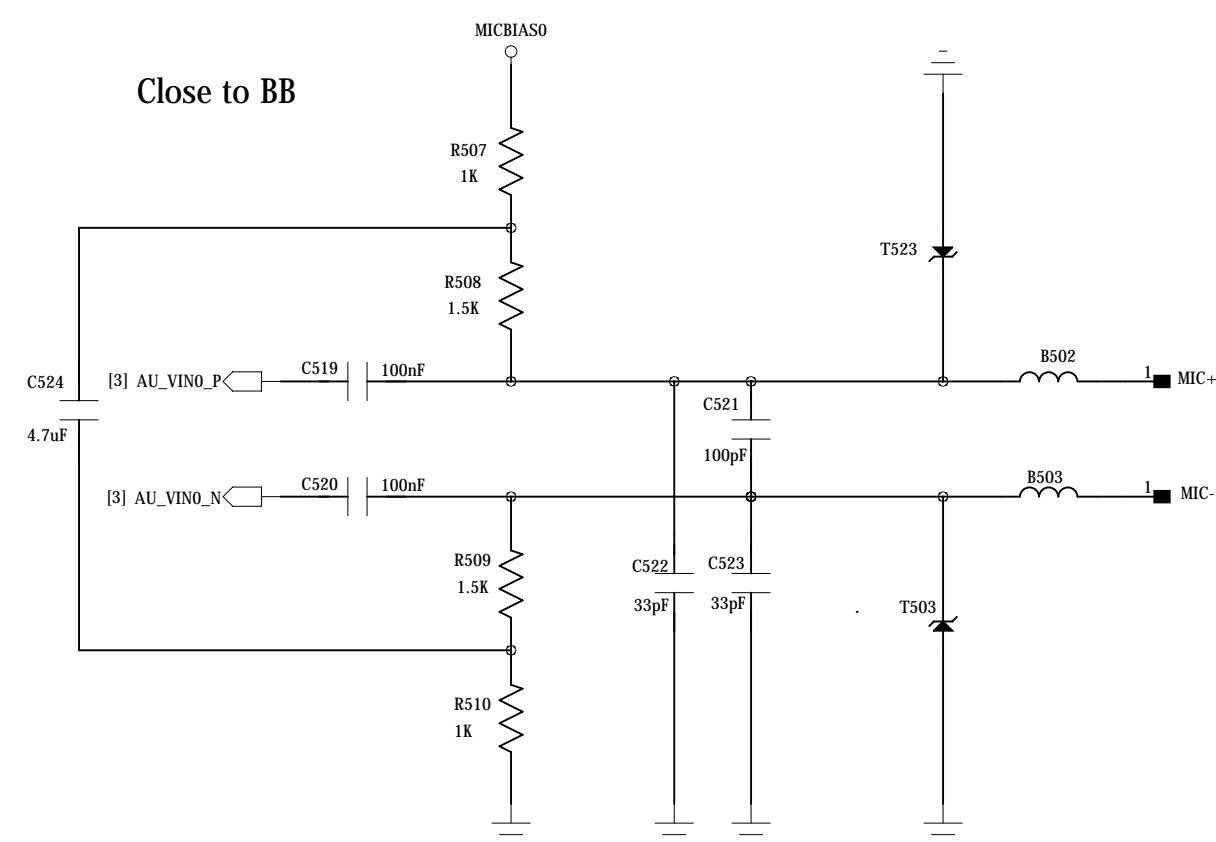
Аудио
AW8737 / AW8737S



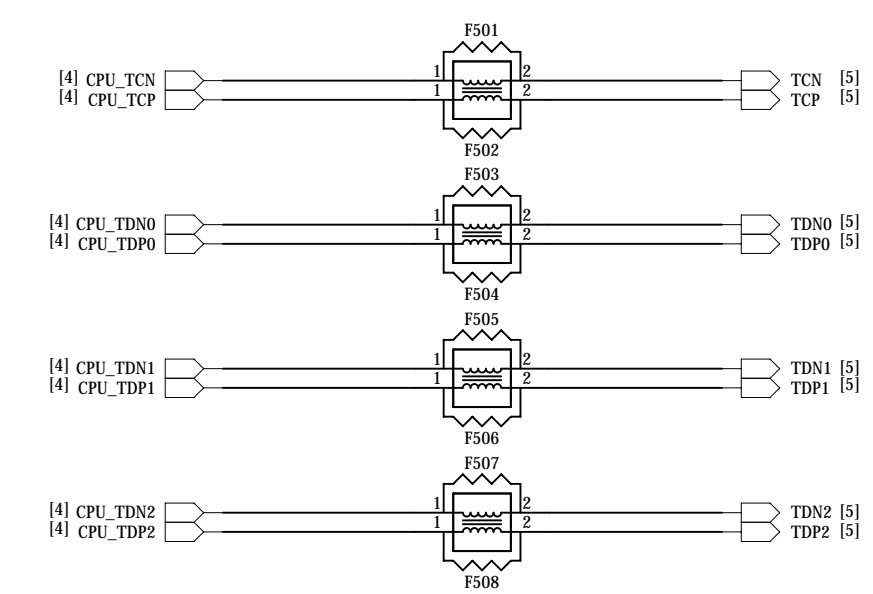
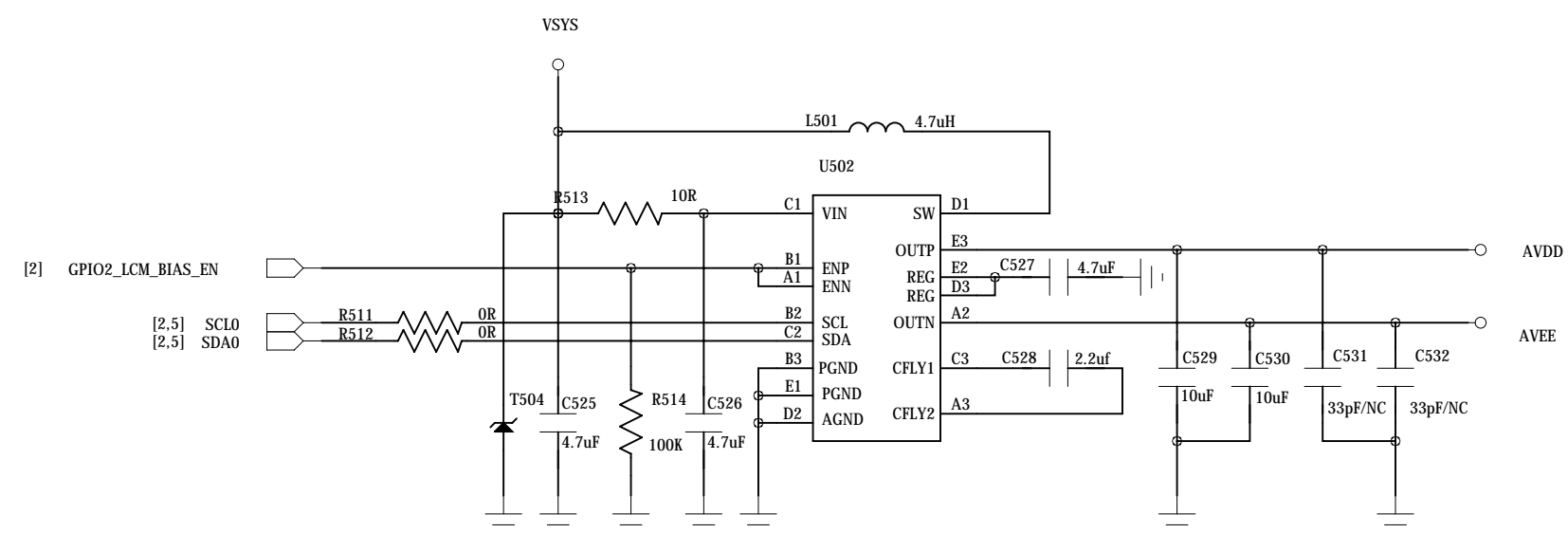
Интерфейс дисплея



Микрофон



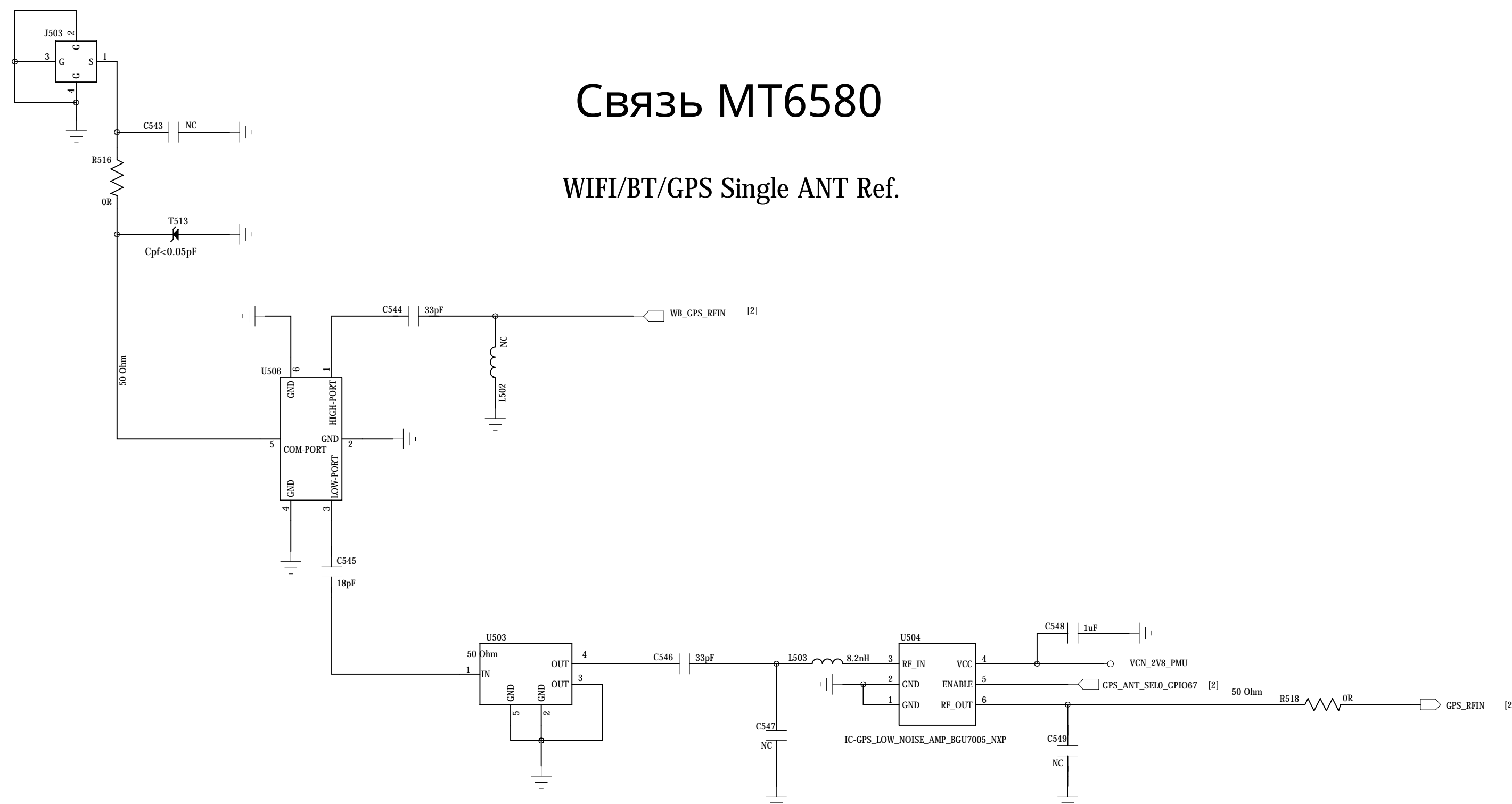
Управление питанием дисплея



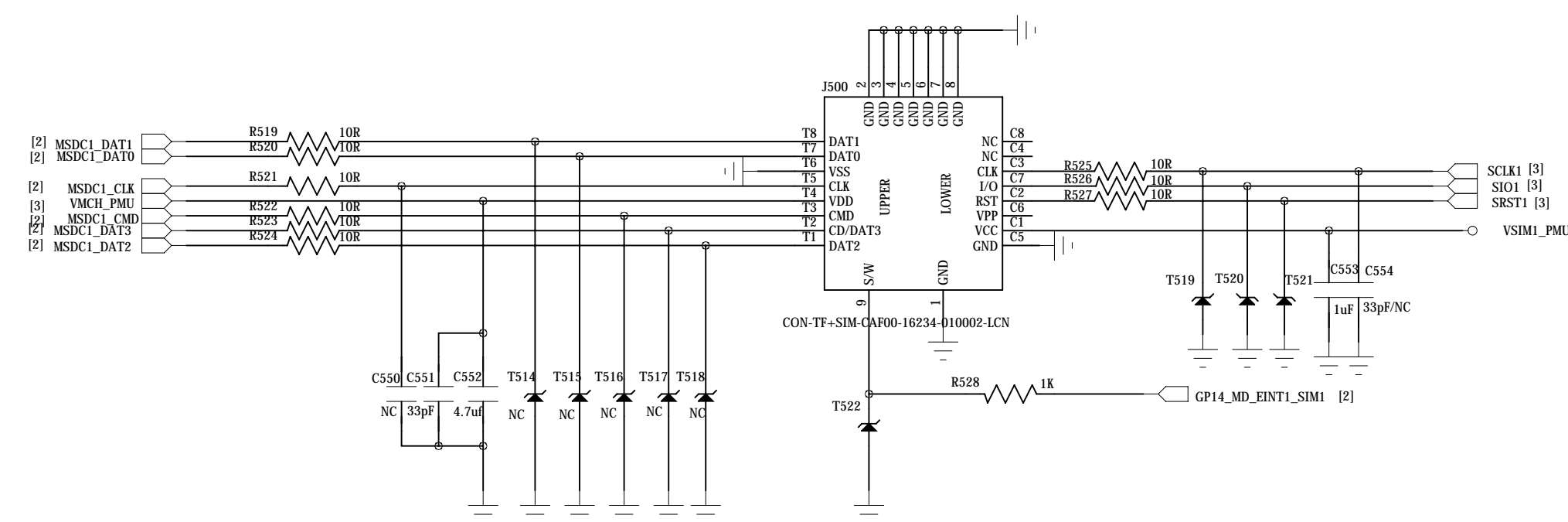
ADC	LCD-ID	R1(K)	R2(K)
0-0.15	0	NC	100
0.15-0.45	0.3	100	20
0.45-0.75	0.6	200	100
0.75-1.05	0.9	100	100
1.05-1.35	1.2	100	200
1.35-1.65	1.5	20	100

Связь МТ6580

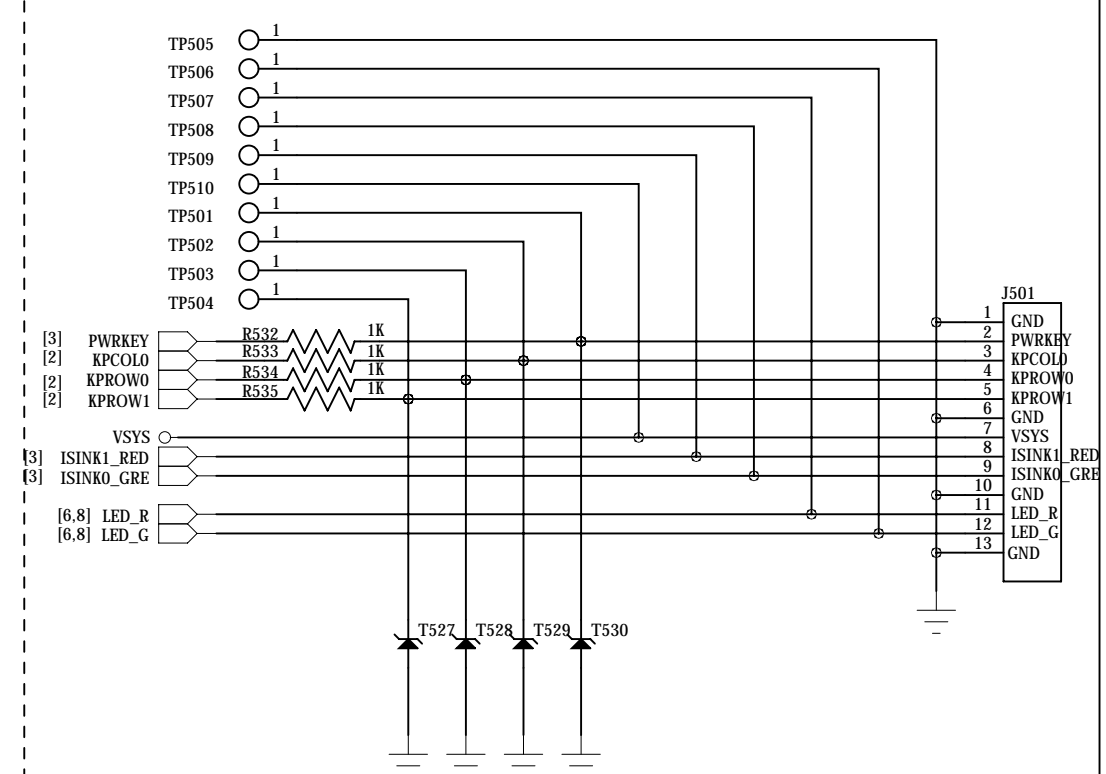
WIFI/BT/GPS Single ANT Ref.

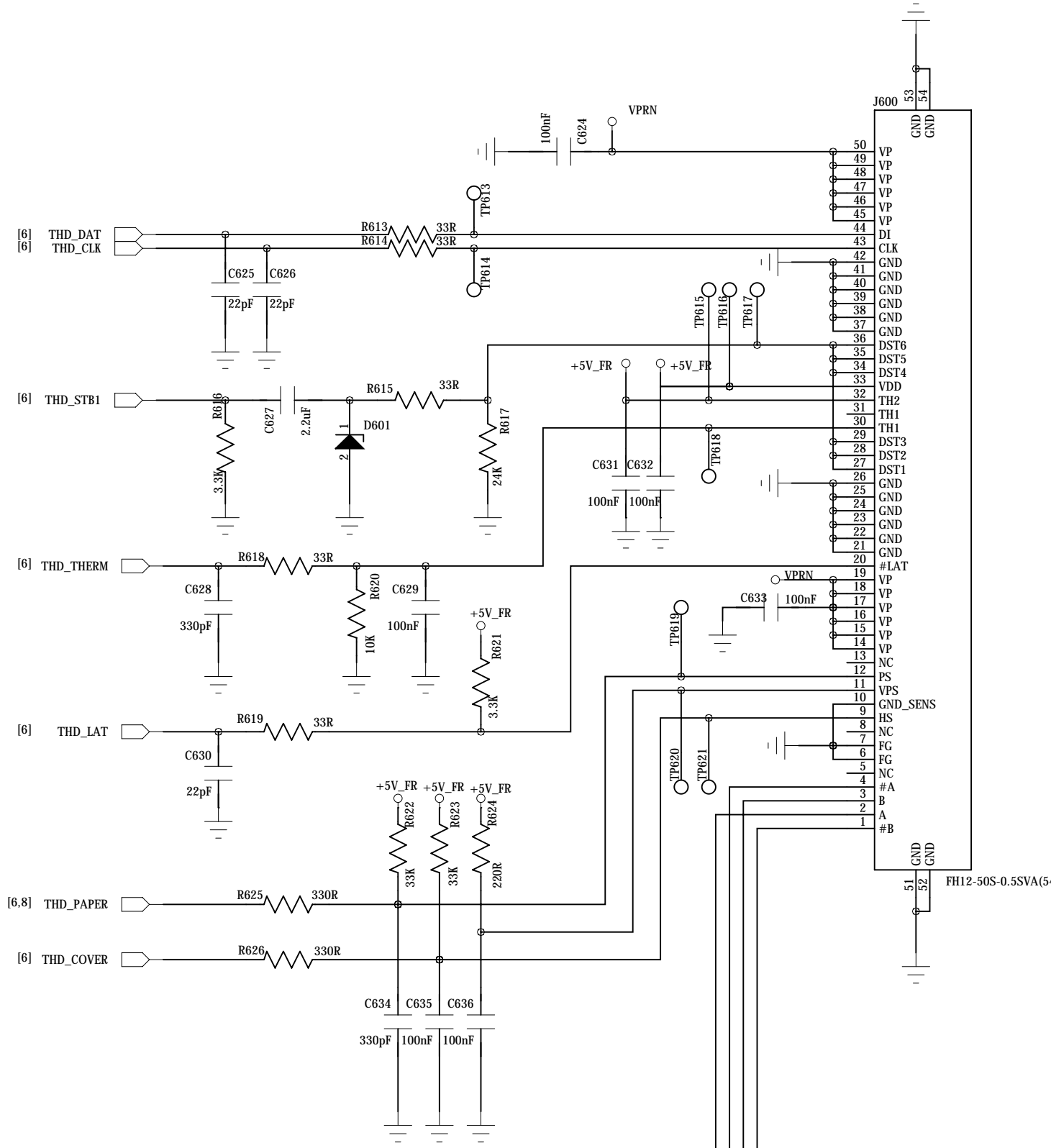
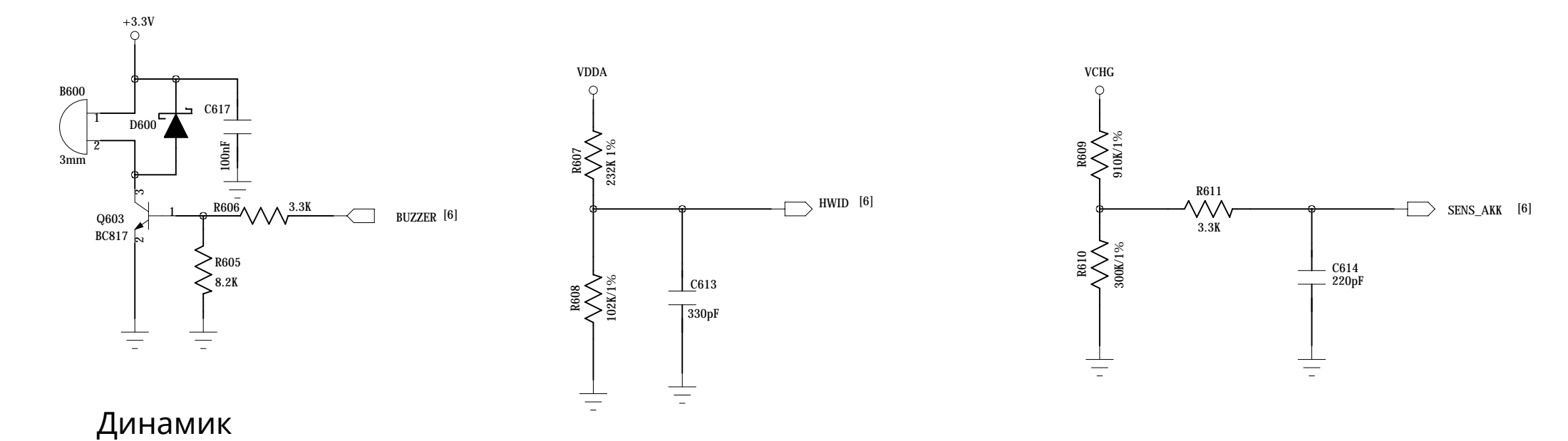


SIM и SD



Кнопки и индикаторы

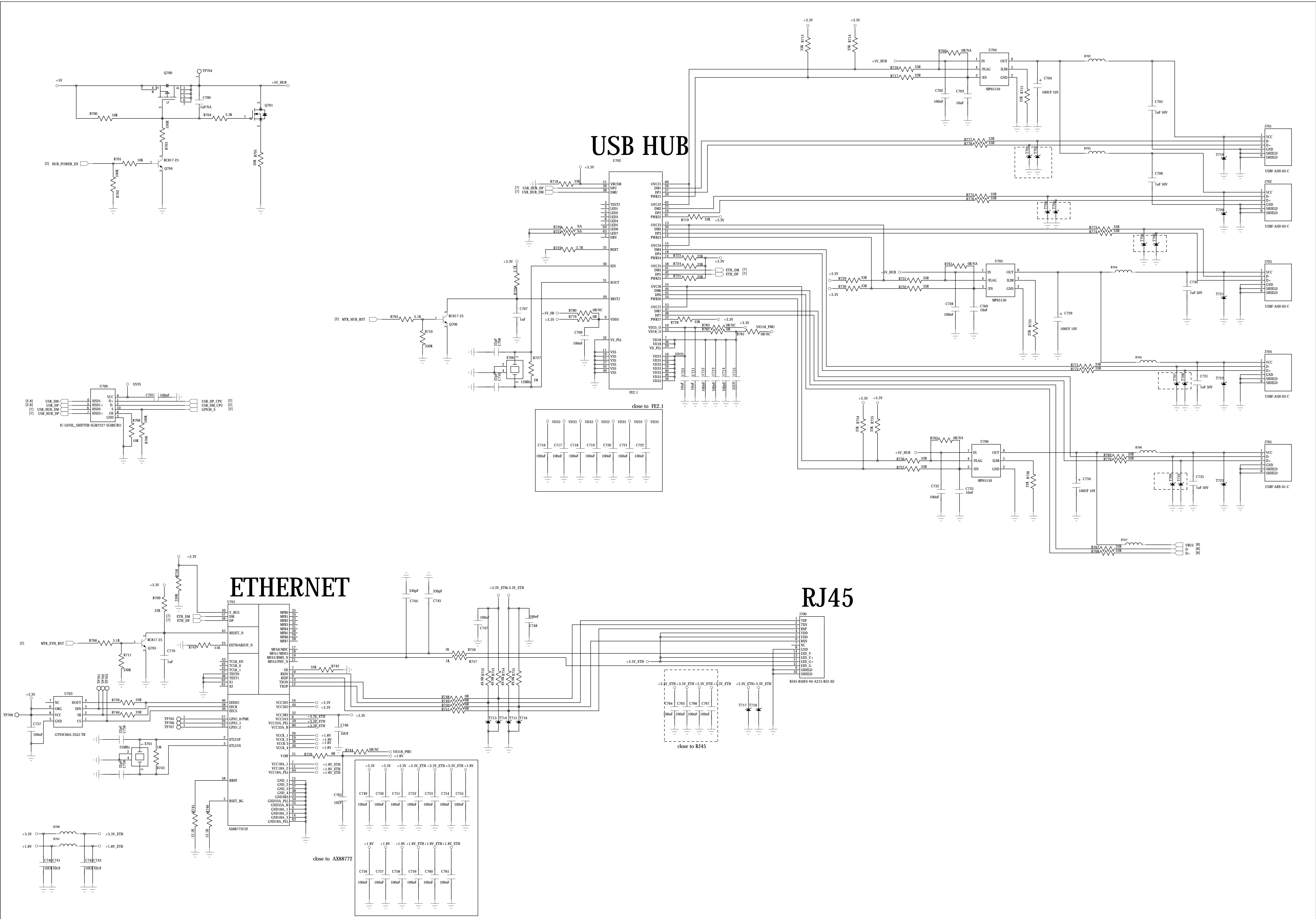




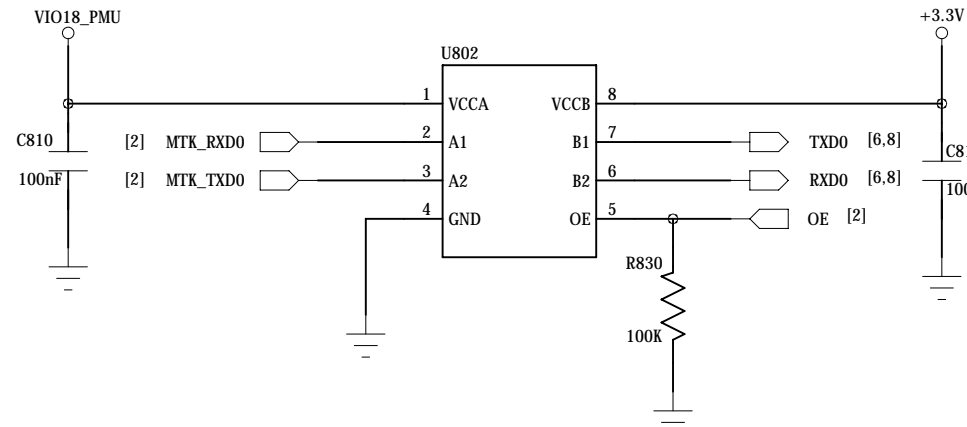
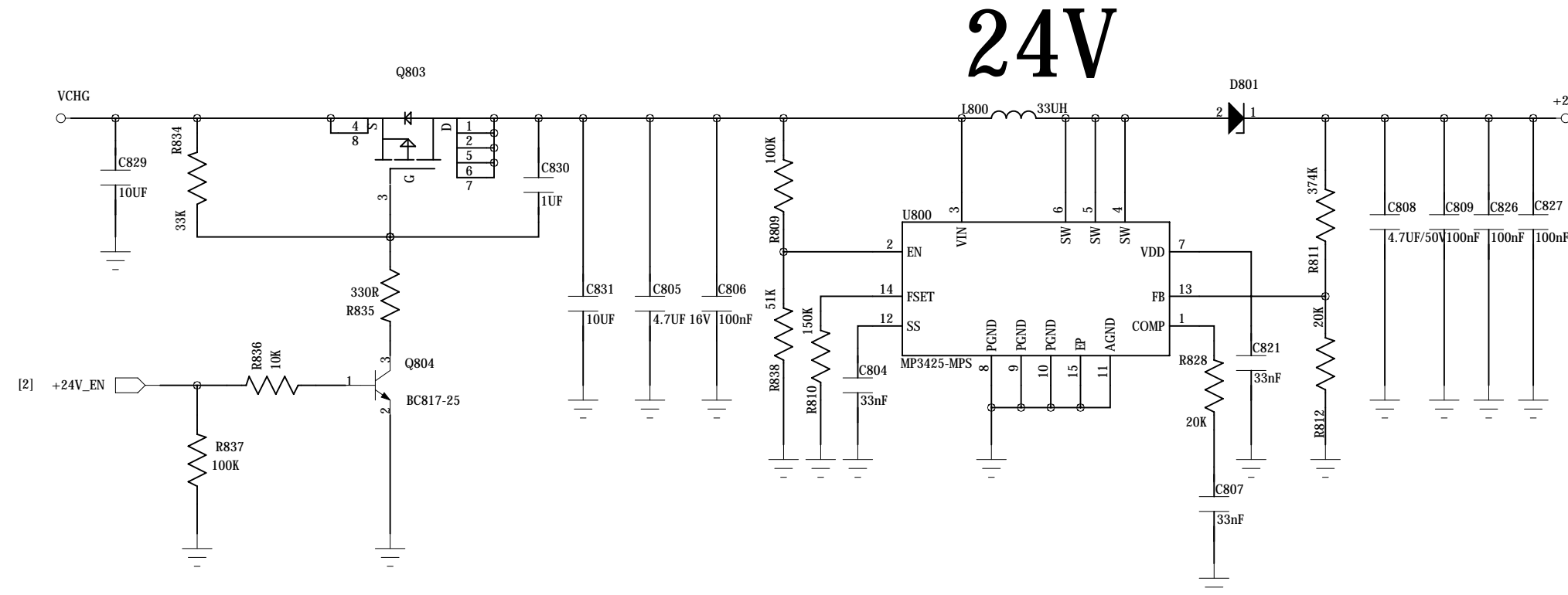
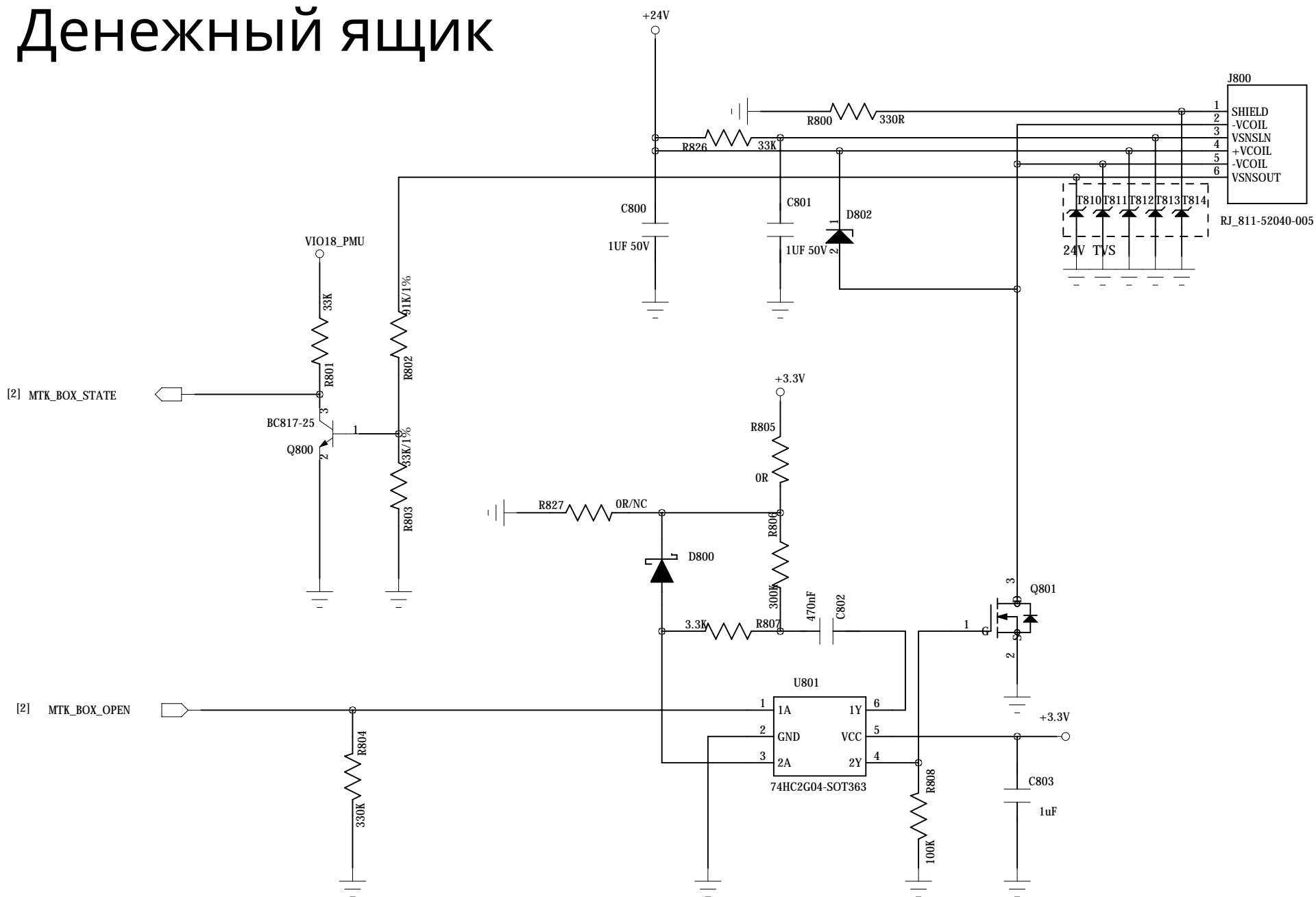
The schematic diagram illustrates a dual-channel current source for a motor driver, utilizing two IC-QFN3X3-STSPIN220 chips. The top channel is configured for a peak current of 0.2V, and the bottom channel is configured for 0.225V. Both channels include sense resistors, current sources, and output drivers. The diagram also shows power supply connections, decoupling capacitors, and a motor connection.

Top Channel Configuration:

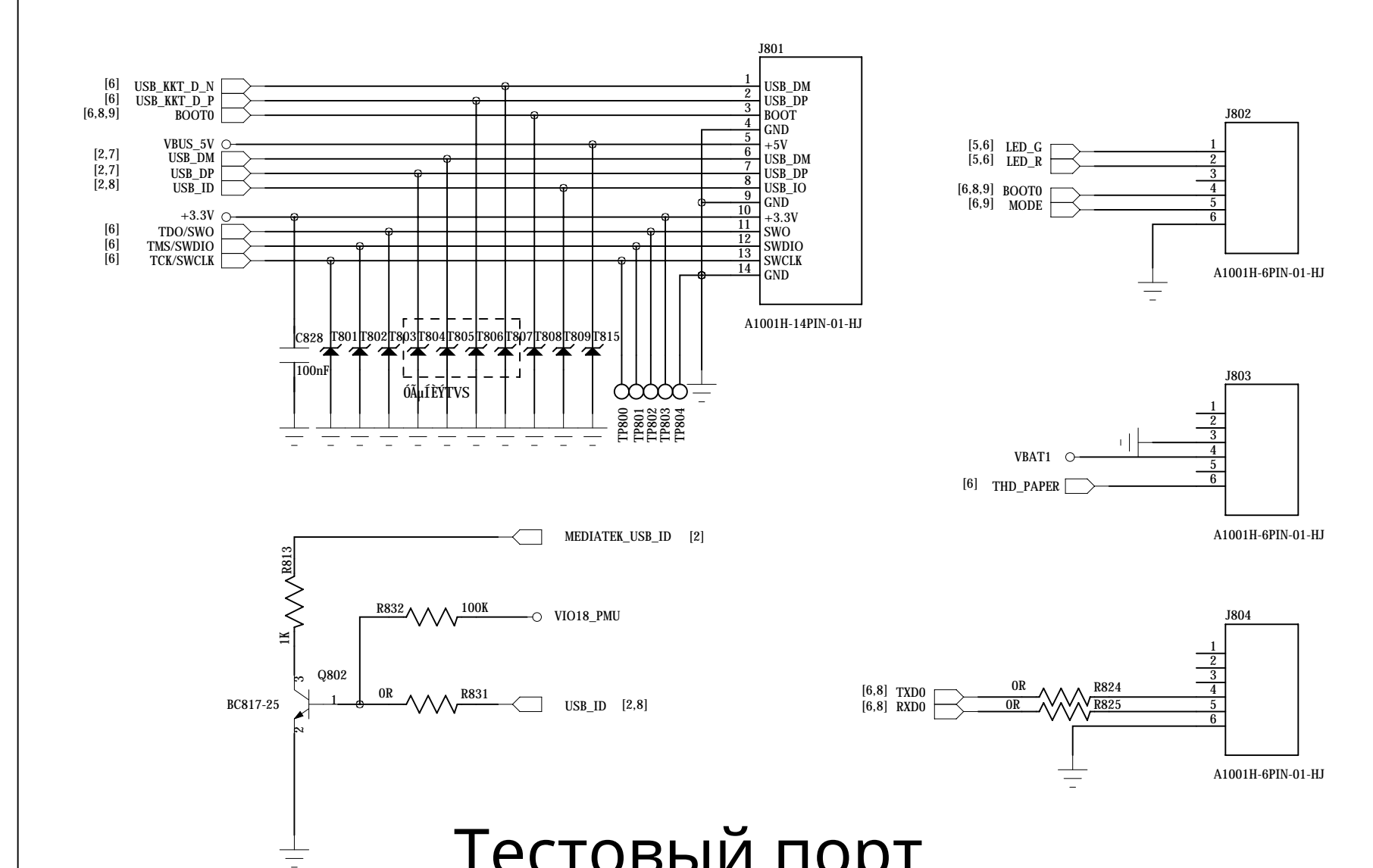
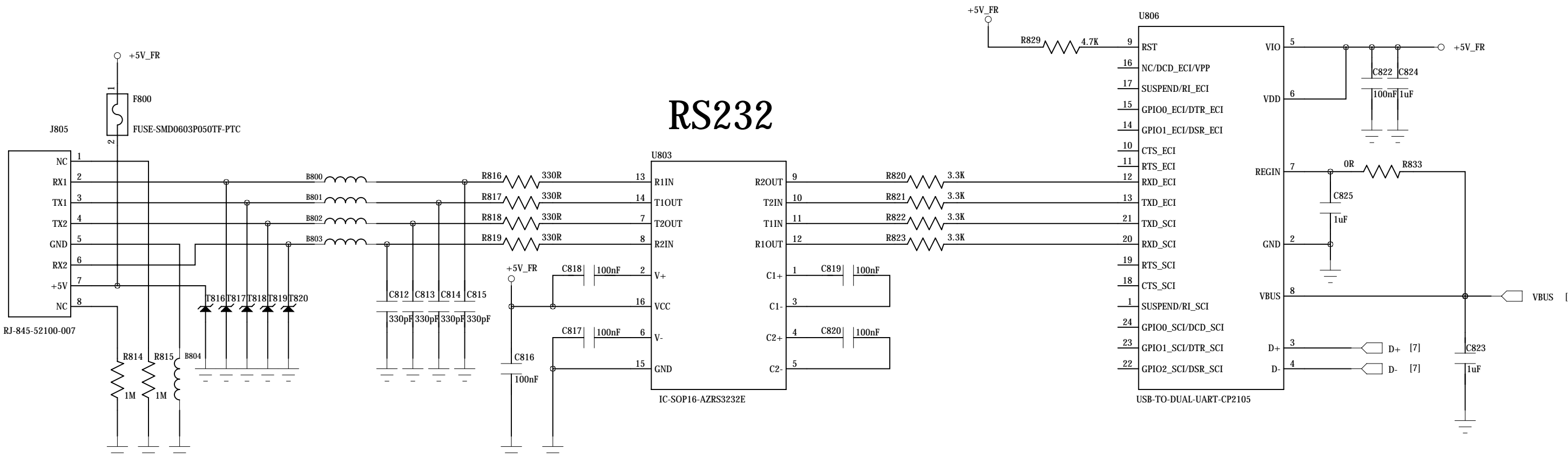
- IC:** IC-QFN3X3-STSPIN220 (U001)
- Inputs:** TH_STRT/RESET, TH_EN1, +5V_FR, TH_MODE3/STCK, TH_MODE4/DIR.
- Outputs:** OUTA1, OUTA2, SENSEA, OUTB1, OUTB2, SENSEB.
- Resistors:** R001 (47k), R002 (3.3k), R003 (3.3k), R004 (3.3k), R005 (3.3k), R006 (3.3k), R007 (3.3k), R008 (3.3k), R009 (3.3k), R010 (3.3k), R011 (3.3k), R012 (3.3k), R013 (3.3k), R014 (3.3k), R015 (3.3k), R016 (3.3k), R017 (3.3k), R018 (3.3k), R019 (3.3k), R020 (3.3k), R021 (3.3k), R022 (3.3k), R023 (3.3k), R024 (3.3k), R025 (3.3k), R026 (3.3k), R027 (3.3k), R028 (3.3k), R029 (3.3k), R030 (3.3k), R031 (3.3k), R032 (3.3k), R033 (3.3k), R034 (3.3k), R035 (3.3k), R036 (3.3k), R037 (3.3k), R038 (3.3k), R039 (3.3k), R040 (3.3k), R041 (3.3k), R042 (3.3k), R043 (3.3k), R044 (3.3k), R045 (3.3k), R046 (3.3k), R047 (3.3k), R048 (3.3k), R049 (3.3k), R050 (3.3k), R051 (3.3k), R052 (3.3k), R053 (3.3k), R054 (3.3k), R055 (3.3k), R056 (3.3k), R057 (3.3k), R058 (3.3k), R059 (3.3k), R060 (3.3k), R061 (3.3k), R062 (3.3k), R063 (3.3k), R064 (3.3k), R065 (3.3k), R066 (3.3k), R067 (3.3k), R068 (3.3k), R069 (3.3k), R070 (3.3k), R071 (3.3k), R072 (3.3k), R073 (3.3k), R074 (3.3k), R075 (3.3k), R076 (3.3k), R077 (3.3k), R078 (3.3k), R079 (3.3k), R080 (3.3k), R081 (3.3k), R082 (3.3k), R083 (3.3k), R084 (3.3k), R085 (3.3k), R086 (3.3k), R087 (3.3k), R088 (3.3k), R089 (3.3k), R090 (3.3k), R091 (3.3k), R092 (3.3k), R093 (3.3k), R094 (3.3k), R095 (3.3k), R096 (3.3k), R097 (3.3k), R098 (3.3k), R099 (3.3k), R100 (3.3k), R101 (3.3k), R102 (3.3k), R103 (3.3k), R104 (3.3k), R105 (3.3k), R106 (3.3k), R107 (3.3k), R108 (3.3k), R109 (3.3k), R110 (3.3k), R111 (3.3k), R112 (3.3k), R113 (3.3k), R114 (3.3k), R115 (3.3k), R116 (3.3k), R117 (3.3k), R118 (3.3k), R119 (3.3k), R120 (3.3k), R121 (3.3k), R122 (3.3k), R123 (3.3k), R124 (3.3k), R125 (3.3k), R126 (3.3k), R127 (3.3k), R128 (3.3k), R129 (3.3k), R130 (3.3k), R131 (3.3k), R132 (3.3k), R133 (3.3k), R134 (3.3k), R135 (3.3k), R136 (3.3k), R137 (3.3k), R138 (3.3k), R139 (3.3k), R140 (3.3k), R141 (3.3k), R142 (3.3k), R143 (3.3k), R144 (3.3k), R145 (3.3k), R146 (3.3k), R147 (3.3k), R148 (3.3k), R149 (3.3k), R150 (3.3k), R151 (3.3k), R152 (3.3k), R153 (3.3k), R154 (3.3k), R155 (3.3k), R156 (3.3k), R157 (3.3k), R158 (3.3k), R159 (3.3k), R160 (3.3k), R161 (3.3k), R162 (3.3k), R163 (3.3k), R164 (3.3k), R165 (3.3k), R166 (3.3k), R167 (3.3k), R168 (3.3k), R169 (3.3k), R170 (3.3k), R171 (3.3k), R172 (3.3k), R173 (3.3k), R174 (3.3k), R175 (3.3k), R176 (3.3k), R177 (3.3k), R178 (3.3k), R179 (3.3k), R180 (3.3k), R181 (3.3k), R182 (3.3k), R183 (3.3k), R184 (3.3k), R185 (3.3k), R186 (3.3k), R187 (3.3k), R188 (3.3k), R189 (3.3k), R190 (3.3k), R191 (3.3k), R192 (3.3k), R193 (3.3k), R194 (3.3k), R195 (3.3k), R196 (3.3k), R197 (3.3k), R198 (3.3k), R199 (3.3k), R200 (3.3k), R201 (3.3k), R202 (3.3k), R203 (3.3k), R204 (3.3k), R205 (3.3k), R206 (3.3k), R207 (3.3k), R208 (3.3k), R209 (3.3k), R210 (3.3k), R211 (3.3k), R212 (3.3k), R213 (3.3k), R214 (3.3k), R215 (3.3k), R216 (3.3k), R217 (3.3k), R218 (3.3k), R219 (3.3k), R220 (3.3k), R221 (3.3k), R222 (3.3k), R223 (3.3k), R224 (3.3k), R225 (3.3k), R226 (3.3k), R227 (3.3k), R228 (3.3k), R229 (3.3k), R230 (3.3k), R231 (3.3k), R232 (3.3k), R233 (3.3k), R234 (3.3k), R235 (3.3k), R236 (3.3k), R237 (3.3k), R238 (3.3k), R239 (3.3k), R240 (3.3k), R241 (3.3k), R242 (3.3k), R243 (3.3k), R244 (3.3k), R245 (3.3k), R246 (3.3k), R247 (3.3k), R248 (3.3k), R249 (3.3k), R250 (3.3k), R251 (3.3k), R252 (3.3k), R253 (3.3k), R254 (3.3k), R255 (3.3k), R256 (3.3k), R257 (3.3k), R258 (3.3k), R259 (3.3k), R260 (3.3k), R261 (3.3k), R262 (3.3k), R263 (3.3k), R264 (3.3k), R265 (3.3k), R266 (3.3k), R267 (3.3k), R268 (3.3k), R269 (3.3k), R270 (3.3k), R271 (3.3k), R272 (3.3k), R273 (3.3k), R274 (3.3k), R275 (3.3k), R276 (3.3k), R277 (3.3k), R278 (3.3k), R279 (3.3k), R280 (3.3k), R281 (3.3k), R282 (3.3k), R283 (3.3k), R284 (3.3k), R285 (3.3k), R286 (3.3k), R287 (3.3k), R288 (3.3k), R289 (3.3k), R290 (3.3k), R291 (3.3k), R292 (3.3k), R293 (3.3k), R294 (3.3k), R295 (3.3k), R296 (3.3k), R297 (3.3k), R298 (3.3k), R299 (3.3k), R300 (3.3k), R301 (3.3k), R302 (3.3k), R303 (3.3k), R304 (3.3k), R305 (3.3k), R306 (3.3k), R307 (3.3k), R308 (3.3k), R309 (3.3k), R310 (3.3k), R311 (3.3k), R312 (3.3k), R313 (3.3k), R314 (3.3k), R315 (3.3k), R316 (3.3k), R317 (3.3k), R318 (3.3k), R319 (3.3k), R320 (3.3k), R321 (3.3k), R322 (3.3k), R323 (3.3k), R324 (3.3k), R325 (3.3k), R326 (3.3k), R327 (3.3k), R328 (3.3k), R329 (3.3k), R330 (3.3k), R331 (3.3k), R332 (3.3k), R333 (3.3k), R334 (3.3k), R335 (3.3k), R336 (3.3k), R337 (3.3k), R338 (3.3k), R339 (3.3k), R340 (3.3k), R341 (3.3k), R342 (3.3k), R343 (3.3k), R344 (3.3k), R345 (3.3k), R346 (3.3k), R347 (3.3k), R348 (3.3k), R349 (3.3k), R350 (3.3k), R351 (3.3k), R352 (3.3k), R353 (3.3k), R354 (3.3k), R355 (3.3k), R356 (3.3k), R357 (3.3k), R358 (3.3k), R359 (3.3k), R360 (3.3k), R361 (3.3k), R362 (3.3k), R363 (3.3k), R364 (3.3k), R365 (3.3k), R366 (3.3k), R367 (3.3k), R368 (3.3k), R369 (3.3k), R370 (3.3k), R371 (3.3k), R372 (3.3k), R373 (3.3k), R374 (3.3k), R375 (3.3k), R376 (3.3k), R377 (3.3k), R378



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от 27.03.2019