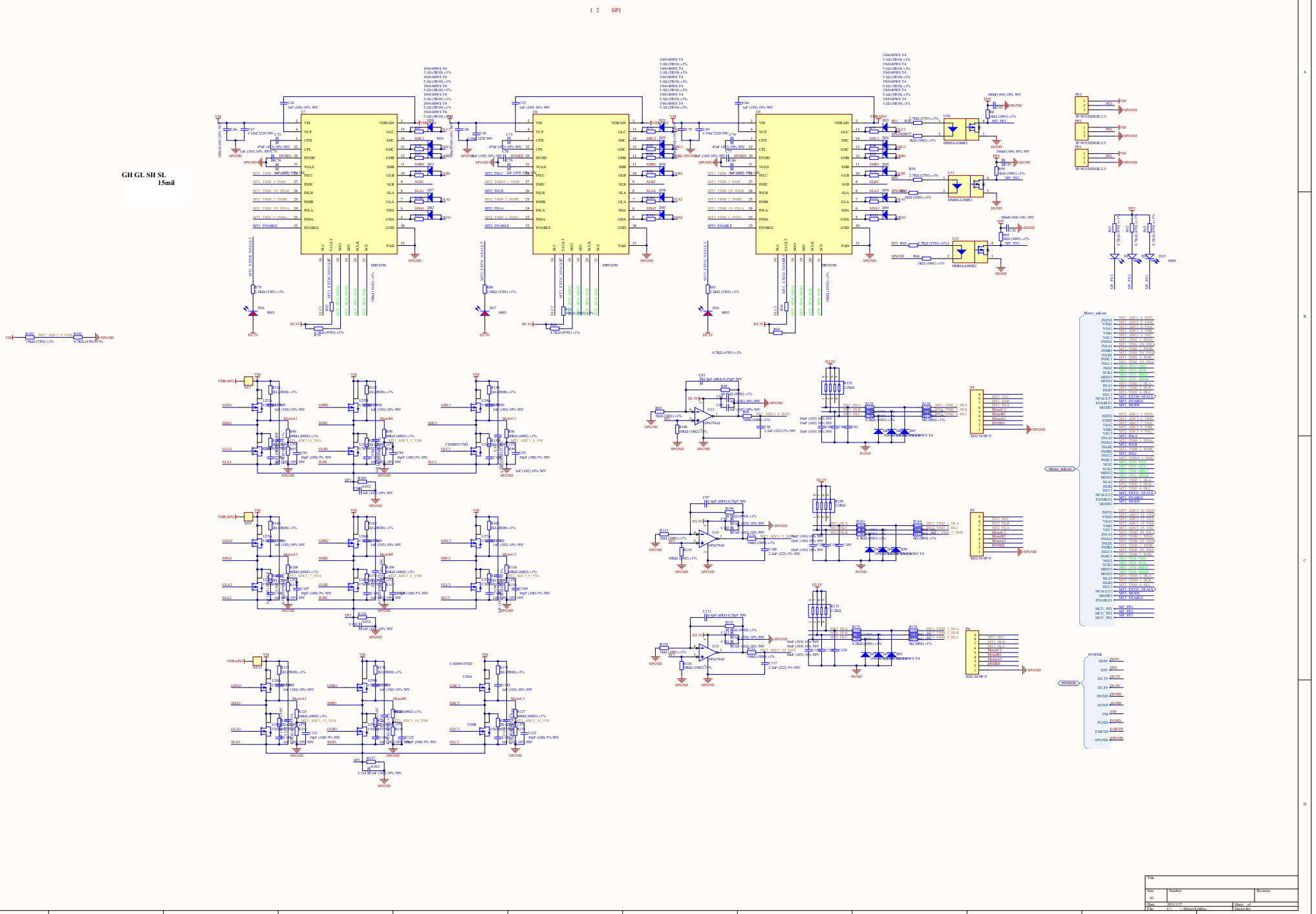
1 2 SPI
GH GL SH SL
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Number
Revision
Date: 2021/1/27
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File: C:\ \ Motor5v3Dev
Drawn By:

Comment	Description	Designator	Footprint	LibRef	Quantity	供应商	ComponentLink1URL	供应商链接
00nF (104) 10% 0V	贴片电容	C1, C2, C9, C10, C12, C14, C16, C18, C20, C22, C26, C28, C30, C32, C36, C37, C49, C51, C52, C53, C56, C57, C59, C60, C61, C62, C125, C126, C127, C132	0603_C	C100nF (104) 0603 10% 50V	30		http://www.szlcsc.com/product/details_15331.html	
2pF (220) 5% 50V	贴片电容	C3, C4, C5, C6	0603_C	C22pF (220) 0603 5% 50V	4		http://www.szlcsc.com/product/detail_2005.html	
2nF (223) 10% 0V	贴片电容	C7	0603_C	C22nF (223) 0603 10% 50V	1		http://www.szlcsc.com/product/detail_21834.html	
0uF (106) 10% 0V	贴片电容	C8, C38, C54, C58, C71, C131	0603_C	C10uF (106) 0603 10% 10V	6		http://www.szlcsc.com/product/detail_20411.html	
uF (105) 10% 50V	贴片电容	C11, C13, C15, C17, C19, C21, C23, C27, C29, C31, C33, C55, C150	0603_C	C1uF (105) 060310% 50V	13		http://www.szlcsc.com/product/details_16531.html	
nF (102) 10% 50V	贴片电容	C24, C25, C50, C84, C88, C98, C102, C112, C116, C130, C133, C134, C135, C136, C137, C138, C139, C140, C141, C142, C143, C144, C145, C148	0603_C	C1nF (102) 0603 10% 50V	24		http://www.szlcsc.com/product/details_1940.html	
uF (105) 10% 50V	贴片电容	C34, C35, C64, C75, C76, C77	1206_C	CuF (105) 1206 10% 50V	6		http://www.szlcsc.com/product/detail_2200.html	
80uf 直插铝电解电容		C39	C680uF-adjal13*18	C680uf 50V 直插电解电容	1	https://item.szlcsc.com/443619.html		
80u直插铝电解电容		C40	C680uF-adjal13*18	C680uf 50V 直插电解电容	1	https://item.szlcsc.com/443619.html		
00nF(104) 10% 0V	贴片电容	C41, C63, C65, C66, C68, C70, C81, C82	0805_C	C100nF(104) 0805 10% 50V	8		http://www.szlcsc.com/product/detail_50686.html	
IC	贴片电容	C42	0603_C	C33nF (333) 0603 10% 50V	1			
.7uF (475) 10% 0V	贴片电容	C43, C44, C48	1206_C	C4.7uF (475) 1206 10% 50V	3		http://www.szlcsc.com/product/detail_30577.html	
10uf 2220 50V		C45, C67, C69	2220_C	C10uf 2220 50V	3	https://item.szlcsc.com/315818.html		
100uf/ 16V	直插电解电容 00uF 16V 5*7	C46	C220uf/ 16V	C100uF 16V 5*7	1	https://item.szlcsc.com/44805.html		
2uF (226) 20% 5V	贴片电容	C47	0805_C	C22uF (226) 0805 20% 25V	1		http://www.szlcsc.com/product/detail_46786.html	
7nF (473) 10% 0V	贴片电容	C72, C73, C74	0805_C	C47nF (473) 0805 10% 50V	3		http://www.szlcsc.com/product/detail_54150.html	
uF (105) 10% 16V	贴片电容	C78, C79, C80	0603_C	C1uF (105) 060310% 50V	3		http://www.szlcsc.com/product/details_16531.html, https://item.szlcsc.com/172593.html	
.8pF (6R8) 0.25pF 0V	贴片电容	C83, C97, C111	0805_C	C6.8pF (6R8) 0805 0.25pF 50V	3		http://www.szlcsc.com/product/detail_2184.html	
uF (105) 10% 50V	贴片电容	C85, C86, C87, C99, C100, C101, C113, C114, C115	0805_C	C1uF 0805 (105) 10% 50V	9		http://www.szlcsc.com/product/detail_29074.html	
0nF (103) 10% 0V	贴片电容	C89, C90, C91, C103, C104, C105, C118, C119, C120	0603_C	C10nF (103) 060310% 50V	9		http://www.szlcsc.com/product/detail_58143.html	
.2nF (222) 5% 50V	贴片电容	C92, C106, C117	0805_C	C2.2nF (222) 0805 5% 50V	3		http://www.szlcsc.com/product/detail_29010.html	
0pF (100) 5% 50V	贴片电容	C93, C94, C95, C107, C108, C109, C121, C122, C123, C128	0603_C	C10pF (100) 0603 5% 50V	10		http://www.szlcsc.com/product/details_1986.html	
nF (102) 10% 50V	贴片电容	C96, C110, C124	0805_C	C1nF(102) 0805 10% 50V	3		http://www.szlcsc.com/product/detail_52223.html	
C1000PF 安规电容	C1000PF 安规电容	C129	C1000PF	C1000pf 安规电容	1	https://item.szlcsc.com/317873.html		
22uf/ 16V	直插电解电容 MD4.3*4.3	C146, C147	C22uf-SMD4.3*4.3	C22uf/ 16V	2	https://item.szlcsc.com/314379.html		
330uf 贴片电解电容	供应商	C188	C330uf-SMD8*6.2	C330UF 50V 贴片电容	1	https://item.szlcsc.com/405758.html		
工灯 0603	发光二极管	D1, D11, D12, D16, D17, D18	0603_LED_S1	红灯 0603	6		http://www.szlcsc.com/product/detail_2659.html	
黄灯 0603	发光二极管	D2, D3, D4, D5, D19	0603_LED_S1	黄灯 0603	5		http://www.szlcsc.com/product/detail_73147.html	
测试点		D6, D8, D9, GND1	TEST	TEST	4			
V25PN60-M3/ 86A	肖特基二极管	D7	TO-277ASMPC	V25PN60-M3/ 86A	1			https://item.szlcsc.com/240762.html
SMBJ6.8CA	TVS	D10	SMB(DO-14AA)_S4	SMBJ6.8CA	1	英特		
白灯 0603	发光二极管	D13, D14, D15	0603_LED_S1	白灯 0603	3		http://www.szlcsc.com/product/detail_2663.html	
N4148WS T4	二极管	D20, D21, D23, D25, D28, D29, D30, D31, D32, D33, D34, D36, D37, D38, D39, D42, D43, D44, D45, D46, D47, D48, D49, D50, D51, D52, D53	SOD-323	1N4148WS T4	27		http://www.szlcsc.com/product/details_2485.html	
直插式自恢复保险丝	30V-900	F1	直插式自恢复保险丝30V-900	直插式自恢复保险丝	1			音特
带网络变压器RJ45	RJ45带变压器	J1, J2	RJ45-LINKPP	带网络变压器RJ45	2	https://so.szlcsc.com/global.html?k=%25E5%25B8%25A6%25E7%25BD%2591%25E7%25BB%259C%25E5%258F%2598%25E5%258E%258B%25E5%2599%25A8		
ACM70V-701-2PL-TL00	共模扼流圈	L1	共模电感	共模电感ACV70V	1	*TDK https://item.szlcsc.com/77709.html		
L15uH 功率电感常见		L2	贴片功率电感2A - uplicate	L15uH 功率电感常见	1	https://item.szlcsc.com/631463.html		
NT空焊盘		NT1, NT8, NT15	NT	NC	3			
芯-XH2.54白色直..		P1	2.54 Header 4P	XH2.54-4P-直立	1	华强		
2.54双排排针-4P		P2	2.54双排排针-4P	2.54-双排排针	1	https://item.szlcsc.com/72503.html		
5mm-2P绿色弯座	2芯压线底座	P3	5.0Header 2P - duplicate	2芯压线座	1	*万捷 http://www.china-wj.com/Index/product_detail/id/350.html		
XH2.54-9P-Y		P4, P5, P6	2.54Header-9P	XH-2.54-9-Y	3			
7P-WJ15EDGR-2.5	7P-WJ15EDGR-2.5	P7	WJ15EDGRC-2.5-P	7P-WJ15EDGR-2.5	1	万捷		
3P-WJ15EDGR-2.5	7P-WJ15EDGR-2.5	PE1, PE2, PE3	WJ15EDGRC-2.5-P	3P-WJ15EDGR-2.5	3	万捷		
3.3KΩ (3301) ±1%	贴片电阻	R1, R2, R3, R4, R5, R9, R14, R17, R18, R79, R80, R81	0603_R	3.3KΩ (3301) 1% 0603	12		http://www.szlcsc.com/product/details_23705.html	
1KΩ (1001) ±1%	贴片电阻	R6, R44, R46, R50, R57, R59, R60, R64, R66, R93, R112, R129, R138, R142, R145, R147, R150, R152	0603_R	1KΩ (1001) 1% 0603	18		http://www.szlcsc.com/product/details_21904.html, https://item.szlcsc.com/112001.html	
10KΩ (1002) ±1%	贴片电阻	R7, R8, R10, R11, R12, R13, R48, R53, R54, R82, R84, R100, R119, R136	0603_R	10KΩ (1002) 1% 0603	14		http://www.szlcsc.com/product/details_26547.html, https://item.szlcsc.com/209772.html	
NC	贴片电阻	R15	0603_R	0Ω (0R0) 1% 0805	1		http://www.szlcsc.com/product/detail_18165.html	
0Ω (0R0) ±1%	贴片磁珠, 贴片电阻	R16, R19, R51, R139, R153, R155, R164, R166, R168, R174, R176, R181	0603_R	0Ω (0R0) 1% 0603	12		http://www.szlcsc.com/product/details_21903.html, https://item.szlcsc.com/44154.html	
330Ω (3300) ±1%	贴片电阻	R20, R23, R35, R38	0603_R	330Ω (3300) 1% 0603	4		http://www.szlcsc.com/product/detail_23865.html	
4.7KΩ (4701) ±1%	贴片电阻	R21, R22, R61, R62, R63, R68, R69, R70, R72, R73, R74, R75, R76, R97, R98, R99, R103, R116, R117, R118, R133, R134, R135	0603_R	4.7KΩ (4701) 1% 0603	23		http://www.szlcsc.com/product/details_23889.html	
22Ω (22R0) ±1%	贴片电阻	R24, R25, R52	0603_R	22Ω (22R0) 1% 0603	3		http://www.szlcsc.com/product/detail_24078.html	
49.9Ω (49R9) ±1%	贴片电阻	R26, R27, R29, R31, R33, R34, R36, R37	0603_R	49.9Ω (49R9) 1% 0603	8		http://www.szlcsc.com/product/detail_23912.html	
39Ω ±1%	贴片电阻	R28, R30, R32, R40, R42, R47	0603_R	390Ω (3900) 1% 0603	6		https://item.szlcsc.com/151423.html	
110Ω (1100) ±1%	贴片电阻	R39, R41, R43, R45, R55	0603_R	110Ω (1100) 1% 0603	5		http://www.szlcsc.com/product/detail_23508.html	
1.8KΩ (1001) ±1%	贴片电阻	R49	0603_R	1KΩ (1001) 1% 0603	1		https://item.szlcsc.com/302599.html	
2.7KΩ (2701) ±1%	贴片电阻	R56, R58, R65, R141, R146, R151	0603_R	2.7KΩ (2701) 1% 0603	6		http://www.szlcsc.com/product/detail_13814.html	
5.1Ω (5R10) ±1%	贴片电阻	R67, R71, R77, R78, R83, R86, R87, R88, R92, R94, R96, R105, R106, R107, R111, R113, R115, R122	0603_R	5.1Ω (5R10) 1% 0603	18		http://www.szlcsc.com/product/details_25940.html	
49.9KΩ (4992) ±1%	贴片电阻	R85, R104, R121	0603_R	49.9KΩ (4992) 1% 0603	3		https://item.szlcsc.com/55039.html	
68KΩ (6802) ±1%	贴片电阻	R89, R90, R91, R108, R109, R110, R125, R126, R127	0603_R	68KΩ (6802) 1% 0603	9		http://www.szlcsc.com/product/detail_23958.html	
100Ω (1000) ±1%	贴片电阻	R95, R114, R131	0603_R	100Ω (1000) 1% 0603	3		http://www.szlcsc.com/product/detail_23502.html	
0.012采样电阻		R101, R120, R137	2010_R	0.007Ω	3	https://item.szlcsc.com/187356.html		
75KΩ (7502) ±1%	贴片电阻	R102	0603_R	75KΩ (7502) 1% 0603	1		http://www.szlcsc.com/product/detail_23969.html	
2.2KΩ 贴片排阻	2.2KΩ 贴片排阻	R123, R159, R172	0804_R*4	2.2KΩ 贴片排阻	3			https://item.szlcsc.com/159839.html
2Ω (2R00) ±1%	贴片电阻	R124, R128, R130, R156, R157, R158, R160, R161, R162, R169, R170, R171, R177, R178, R179, R182, R183, R184	0603_R	2Ω (2R00) 1% 0603	18		http://www.szlcsc.com/product/details_23704.html	
4.3KΩ (4301) ±1%	贴片电阻	R132, R148, R154, R163, R165, R167, R173, R175, R180	0603_R	4.3KΩ (4301) 1% 0603	9		http://www.szlcsc.com/product/detail_23886.html	
2.7KΩ (272) ±1%	1210W2J0272T5E	R140, R144, R149	1210_R	2.7KΩ (272 ±5%	3	1210W2J0272T5E		
510Ω (5100) ±1%	贴片电阻	R143	0603_R	510Ω (5100) 1% 0603	1		http://www.szlcsc.com/product/detail_23920.html	
TX1101-X-X	TX1101-X-X	S1	轻触白色开关	轻触白色开关	1	星坤 https://item.szlcsc.com/300030.html		
STM32F429ZGT6		U1	LQFP-44_20x20x05P	STM32F429ZGT6	1			https://item.szlcsc.com/47529.html
LM4125		U2	SOT-23-5	LM4125AMI2.5	1	https://item.szlcsc.com/141467.html		
EEPROM/ AT24C512C-SSHL-T	EEPROM	U3	SOIC-8_150mil	EEPROM/ AT24C256C-SSHL-T [C6482]	1	https://item.szlcsc.com/55688.html		
WRB2405SD-3WR2		U4	WRB2405SD_3WR2	WRB2405SD-3WR2 隔离电源模块	1	金升阳		
AZ1117	低压差线性稳压(LDO)	U5	TO-252-2	AZ1117	1	http://www.szlcsc.com/product/detail_6652.html		
KSZ8863		U6	KSZ8863-LQFP48	KSZ8863	1			
DRV8350三相无刷电机驱动	DRV8350SRTVR	U7, U8, U9	DRV8350-QFN32	DRV8350三相无刷电机驱动	3			
HMHAA280R2		U10, U11, U12	HMHAA280R2	HMHAA290R2 光耦	3	https://item.szlcsc.com/251284.html		
OPA374AI精密运放		U13, U14, U15	OPA374AI	OPA374AI	3	https://www.hqbuy.com/search/OPA374AIDBVT.html?precise=0		
光耦MOCD207R2M 2路	2路	U16, U17, U18	SOP8-MOCD207R2M	光耦MOCD207R2M	3	https://item.szlcsc.com/232661.html		
ESD防护器件		U19, U20	Esdsrvlc05-4	ESDSLVU2.8-4	2			
CSD88537ND	MOS(场效应管)	U22, U23, U24, U25, U26, U27, U28, U29, U30	CSD88537ND	CSD88537ND	9		https://item.szlcsc.com/118697.html	
25MHZ 12PF 10PPM	贴片晶振	Y1	SMD-3225_4P	25MHZ 12PF 10PPM	1	http://www.szlcsc.com/product/detail_9526.html		
32.768KHz ±20ppm 12.5pF	贴片晶振	Y2	SMD-3215_2P FC-135	32.768KHz 20ppm 12.5pF	1		http://www.szlcsc.com/product/detail_33310.html	
50MHZ晶振		Y3	50M晶振	50M晶振	1			
SMBJ33CA	TVS	Z1, Z2	SMB(DO-14AA)_S1	SMBJ33CA	2	英特		
SMBJ8.5CA	TVS	Z3	SMB(DO-14AA)_S1	SMBJ8.5CA	1	英特		
0Ω 磁珠	贴片电阻	Z4, Z5	0603_R	0Ω (0R0) 1% 0603	2		https://item.szlcsc.com/44154.html	
0Ω 磁珠	贴片电阻	Z6, Z7	1206_L	0Ω (0R0) 1% 0603	2		https://so.szlcsc.com	