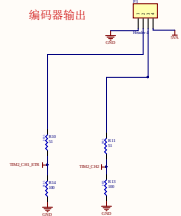


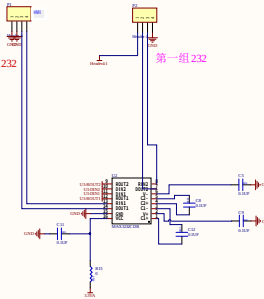
编码器输出



接安卓屏

第二组232

第一组232



变压器输入

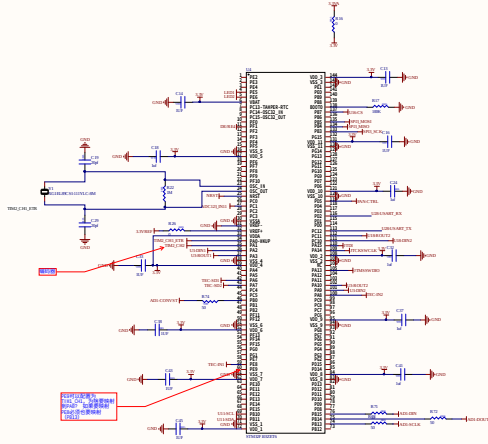
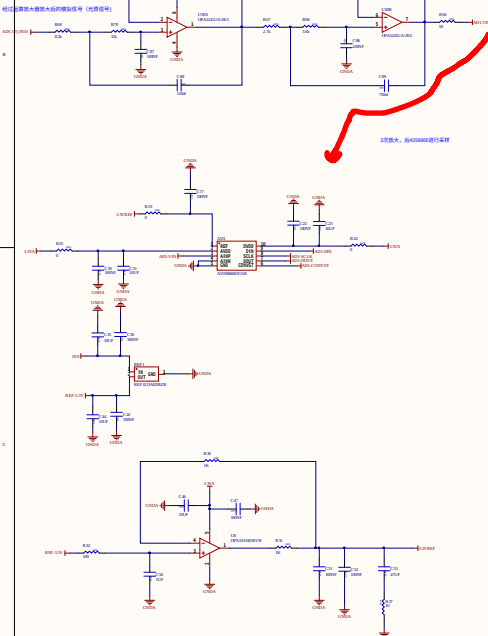
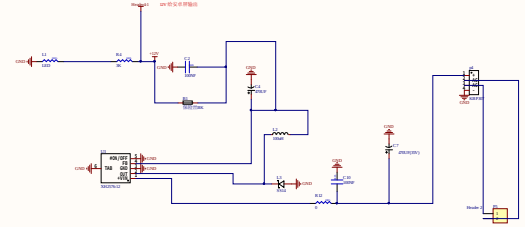
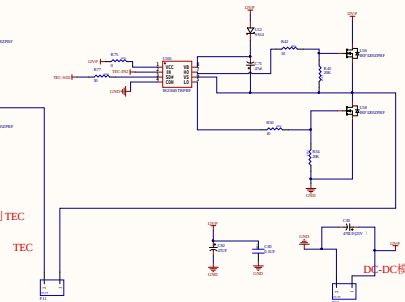


Table 46. TIM1 alternate function remapping

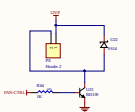
Alternate functions remapping	Tim1_REMAP[1:0] ("00" pin remap)	"01" (partial remap)	"11" (full remap)
TM1_ETR	PA12	PE7	
TM1_CH1	PA9	PE9	
TM1_CH2	PA10	PE11	
TM1_CH3	PA11	PE13	
TM1_CH4	PA13	PE14	
TM1_BKIN	PA12	PA6	PE15
TM1_CH1N	PA13	PA7	PE8
TM1_CH2N	PA14	PA8	PE10
TM1_CH3N	PA15	PA9	PE12

软件定义：左边输入制冷，右边输入制热，若是逻辑相反，则更改线序

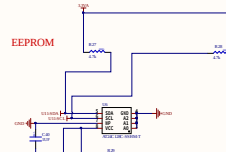
H桥驱动控制 TEC



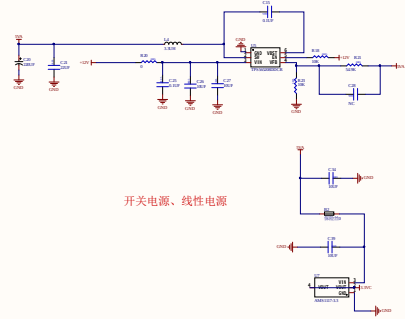
风扇控制



EEPROM

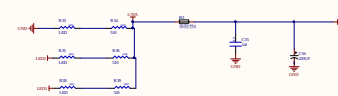


开关电源、线性电源

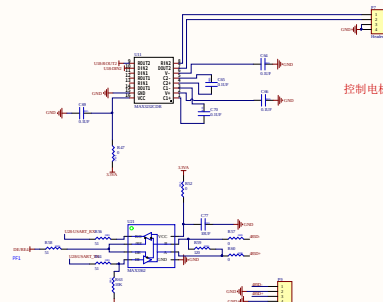


接线未知

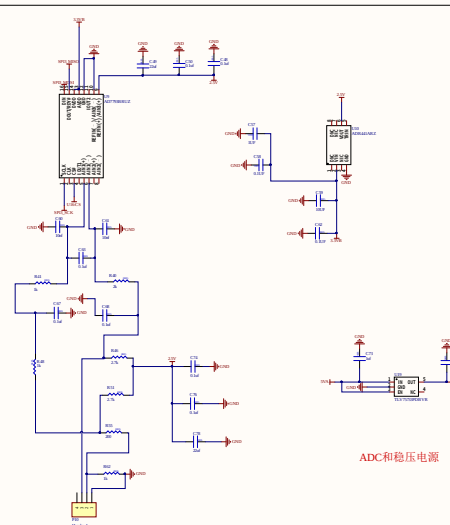
LED指示灯



控制电机驱动



ADC和稳压电源



Comment	Description	Designator	Footprint	LibRef	Quantity
ADS8866IDGSR		AD1	ADS8866IDGSR	ADS8866IDGSR	1
保险丝BK		B1	保险丝BK	保险丝BK	1
保险丝0		B2, B3	保险丝0	保险丝0	2
100nf		C1, C2, C10, C17, C22, C30, C36, C42, C47, C51, C52, C85, C86, C87	0805	0805Cap	14
10uf		C3, C6, C23, C26, C27, C31, C34, C35, C39, C44, C46, C59, C77, C84	0805	0805Cap	14
470UF		C4	电解电容 (D8×12)	电解电容 (D8×12)	1
0.1UF		C5, C8, C9, C11, C12, C15, C25, C48, C50, C53, C62, C63, C64, C65, C66, C67, C68, C69, C70, C74, C76, C80, C83	0805	0805Cap	23
470UF(35V)		C7	电解电容D13*L25	电解电容D13*L25	1
1UF		C13, C14, C16, C18, C24, C32, C33, C37, C38, C40, C41, C43, C45, C54, C55, C57, C73, C75	0805	0805Cap	18
20pf		C19, C29	0805	0805Cap	2
220UF		C20, C56	电解电容D6.3*L12	电解电容D6.3*L12	2
22UF		C21, C49, C78	0805	0805Cap	3
NC	[NoValue], MAX 200V	C28, R2	0805	0805Cap, 0805Res	2
47UF		C53	0805	0805Cap	1
10nf		C60, C61	0805	0805Cap	2
47uf		C71, C72, C79, C82	电解电容D6.3*L12	电解电容D6.3*L12	4
470UF(25V)		C81	电解电容 (D8×12)	电解电容 (D8×12)	1
120nf		C88	0805	0805Cap	1
750nf		C89	0805	0805Cap	1
KF2510-4P		HH1	KF2510-4P	KF2510-4P	1
LED	MAX 200V	L1, R33, R35, R38	0805	0805Res	4
100uH		L2	电感10*10mm	电感10*10mm	1
SS14		L3, U12, U15, U22	SS14	SS14	4
3.3UH		L4	电感6.7*7mm	电感6.6*7mm	1
KBP307		p4	KBP307	KBP307	1
Header 4	Header, 4-Pin	P1, P2, P3, P7, P9, P10	HDR1X4	Header 4	6
Header 2	Header, 2-Pin	P5, P8	HDR1X2	Header 2	2
2.54-2*10P简牛		P6	2.54-2*10P简牛	2.54-2*10P简牛	1
KF301-2P		P11, P12	KF301-2P	KF301-2P	2
50	MAX 200V	R1, R8, R66, R71, R72, R73, R74, R77, R78	0805	0805Res	9
1k	MAX 200V	R3, R6, R30, R31, R41, R48, R62, R64	0805	0805Res	8
3K	MAX 200V	R4	0805	0805Res	1
10k	MAX 200V	R5, R7, R18, R23, R63	0805	0805Res	5
0	MAX 200V	R9, R12, R15, R16, R19, R20, R24, R25, R26, R29, R47, R52, R57, R60, R65, R75, R76	0805	0805Res	17
51	MAX 200V	R10, R11, R56, R58, R61	0805	0805Res	5
100	MAX 200V	R13, R14, R32	0805	0805Res	3
100K	MAX 200V	R17	0805	0805Res	1
54.9K	MAX 200V	R21	0805	0805Res	1
1M	MAX 200V	R22	0805	0805Res	1
4.7k	MAX 200V	R27, R28	0805	0805Res	2
510	MAX 200V	R34, R36, R39	0805	0805Res	3
10	MAX 200V	R37, R42, R43, R49, R50	0805	0805Res	5
2k	MAX 200V	R40	0805	0805Res	1
20k	MAX 200V	R44, R45, R53, R54	0805	0805Res	4
2.7k	MAX 200V	R46, R51, R67	0805	0805Res	3
200	MAX 200V	R55	0805	0805Res	1
120	MAX 200V	R59	0805	0805Res	1
5.6k	MAX 200V	R68	0805	0805Res	1
8.2k	MAX 200V	R69	0805	0805Res	1
11k	MAX 200V	R70	0805	0805Res	1
REF3133AID8ZR		REF1	REF3133AID8ZR	REF3133AID8ZR	1
opa353-40t-23-5		U1	opa353-40t-23-5	opa353-40t-23-5	1
MAX3232CDR		U2, U11	MAX3232CDR	MAX3232CDR	2
XH2576-12		U3	XH2576-12	XH2576-12	1
STM32F103ZE76		U4	STM32F103ZE76	STM32F103ZE76	1
TPS565208DDCR		U5	TPS565208DDCR - duplicate	TPS565208DDCR	1
AT24C128C-SSHMT		U6	AT24C128C-SSHMT	AT24C128C-SSHMT	1
AMS1117-3.3		U7	AMS1117-3.3	AMS1117-3.3	1
OPA333AIDBVR		U8	OPA333AIDBVR	OPA333AIDBVR	1
AD7793BRUZ		U9	AD7793BRUZ	AD7793BRUZ	1
ADR441ARZ		U10	ADR441ARZ	ADR441ARZ	1
IRF3205ZPBF		U13, U16, U18, U20	IRF3205ZPBF	IRF3205ZPBF	4
TLV75733PDBVR		U19	TLV75733PDBVR	TLV75733PDBVR	1
MAX3362		U21	MAX3362	MAX3362	1
BD139		U23	BD139	BD139	1
OPA2241UA/2K5		U30	OPA2241UA/2K5	OPA2241UA/2K5	1
IR2104STRPBF		U100, U101	IR2104STRPBF	IR2104STRPBF	2
XG1EL89CSI-111YLC-8M		Y1	XG1EL89CSI-111YLC-8M	XG1EL89CSI-111YLC-8M	1