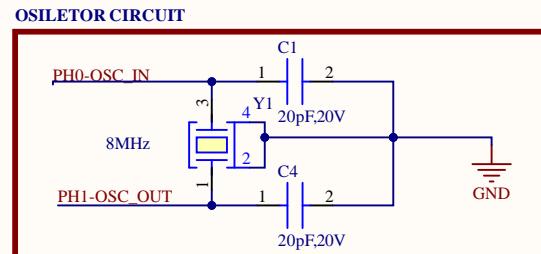
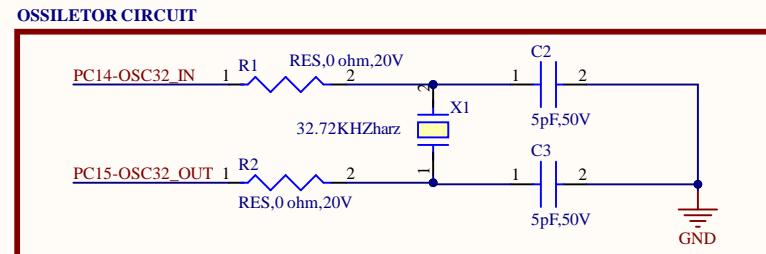
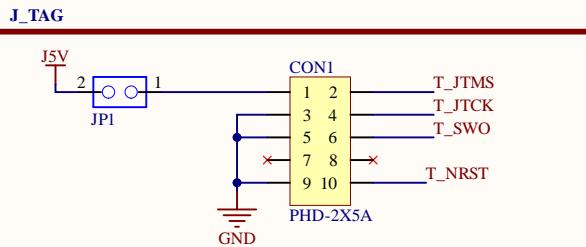
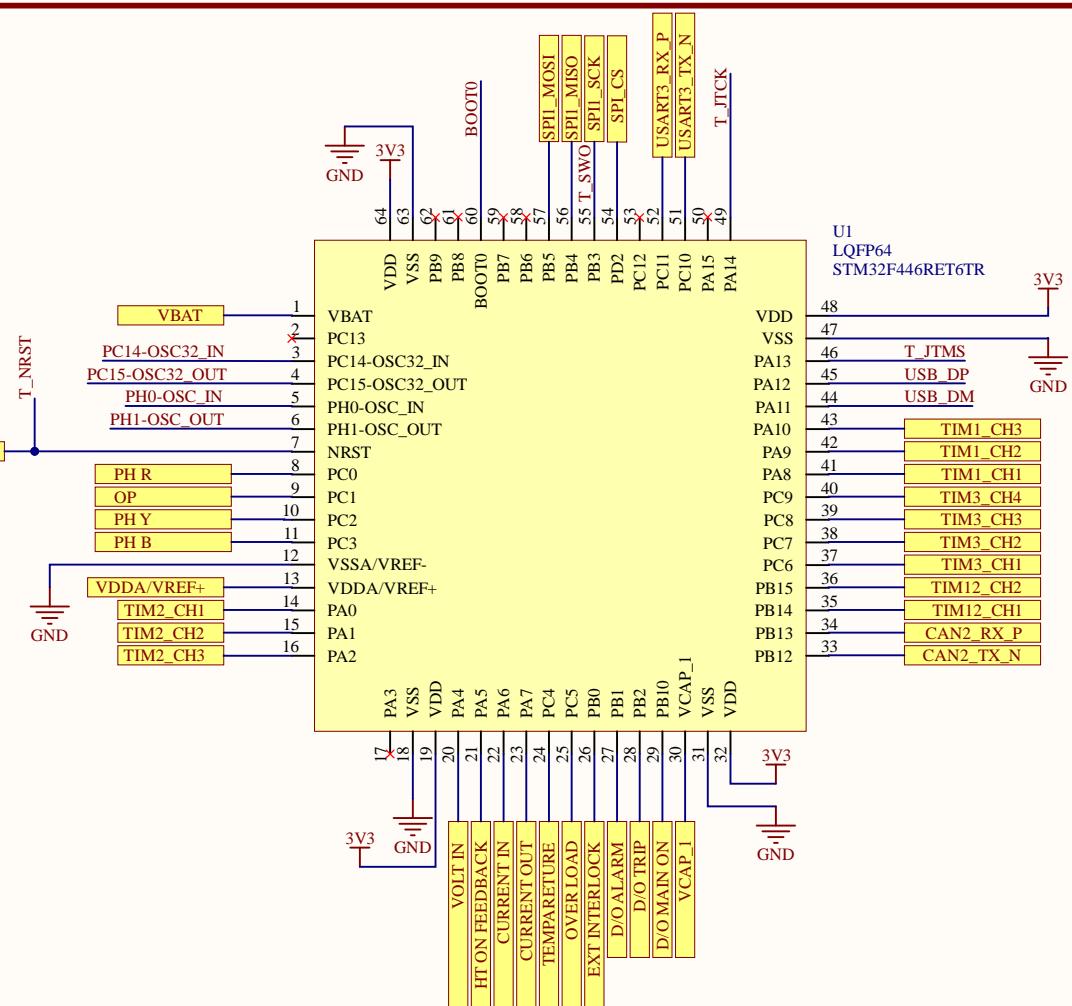
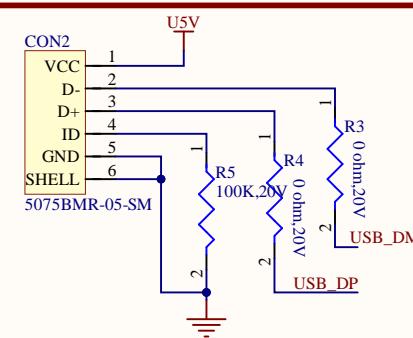
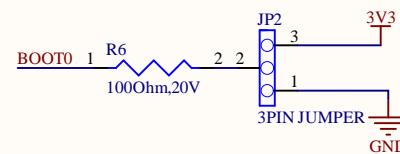


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**MICROWCONTROLLER UNIT****USB CONNECTOR CIRCUIT****BOOT CIRCUIT**

Title

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Revision

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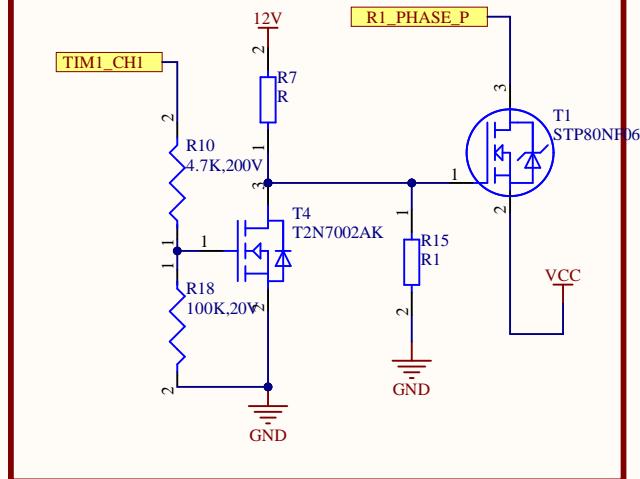
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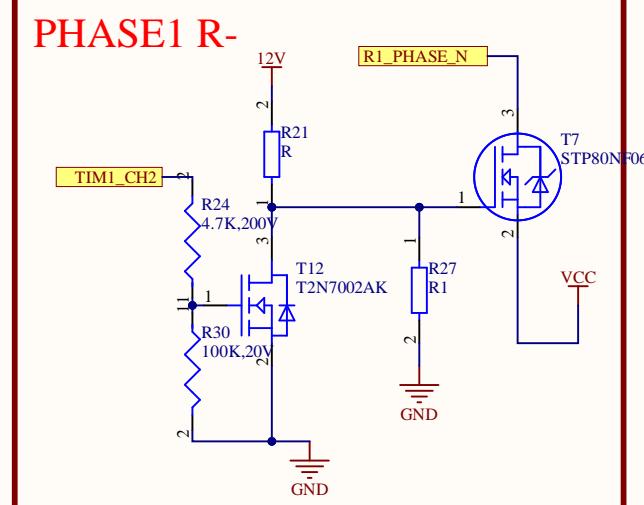
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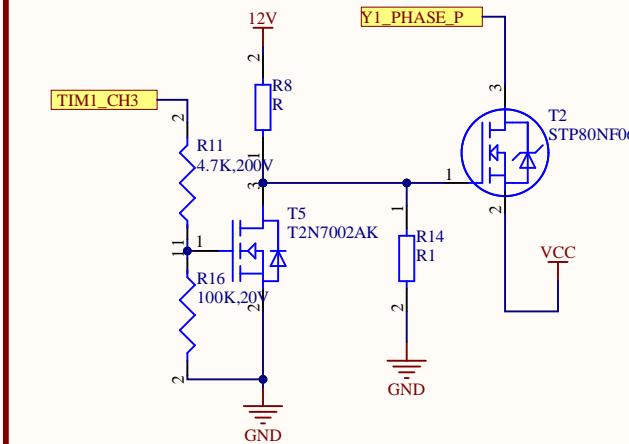
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PHASE1 R+

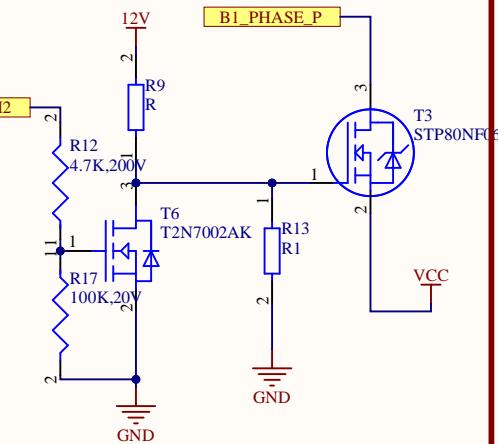
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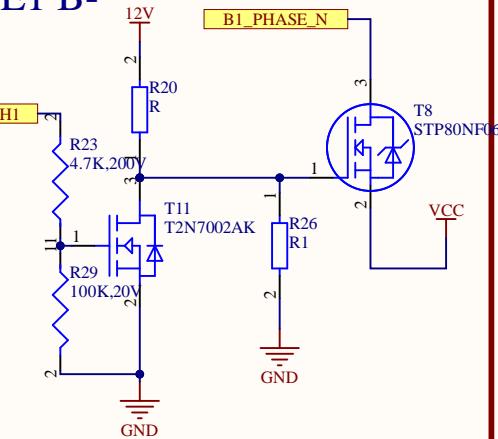
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PHASE1 Y+

TIM1_CH3

PHASE1 B+

TIM4_CH3

PHASE1 B-

Title

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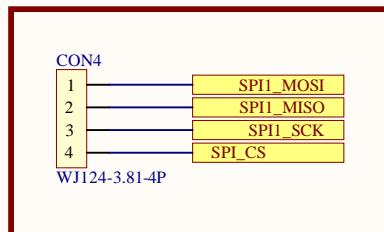
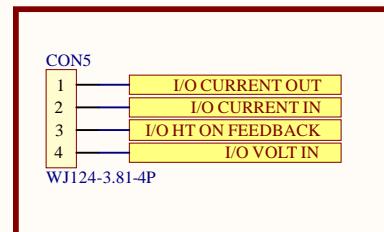
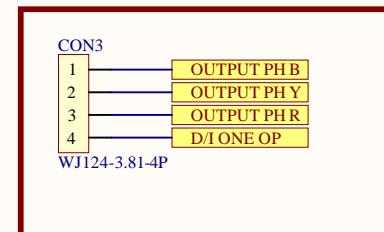
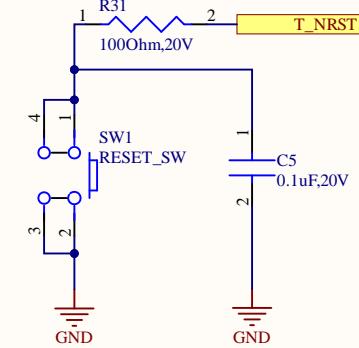
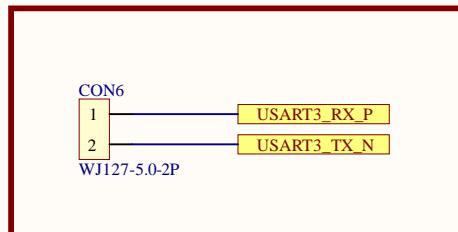
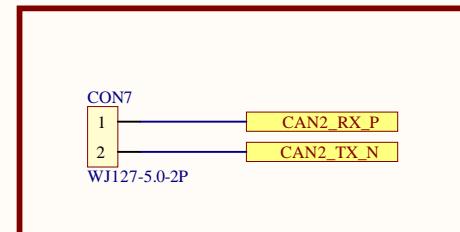
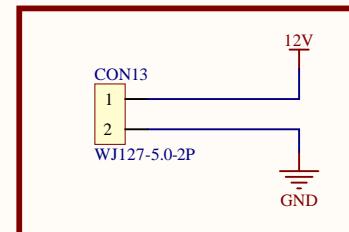
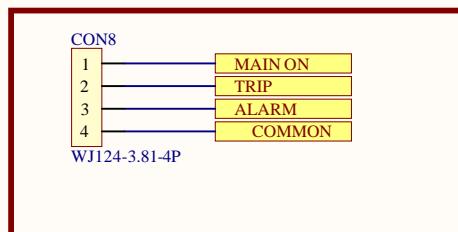
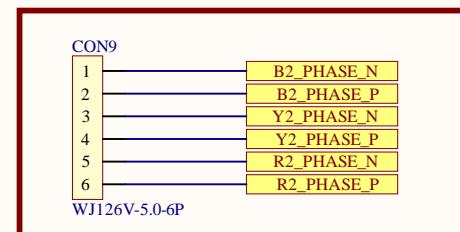
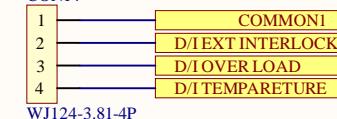
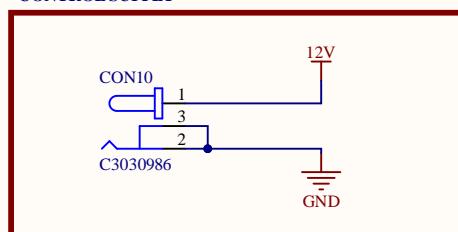
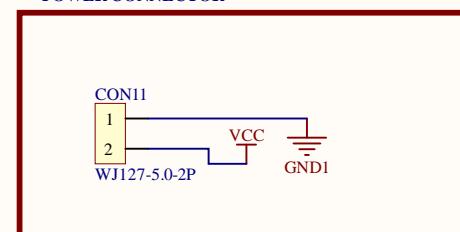
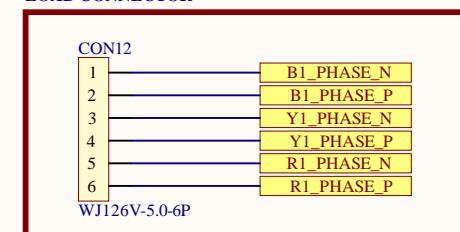
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SPI CONNECTOR**INPUT/OUTPUT****OUTPUT FEEDBACK****RESET CIRCUIT****USART CONNECTOR****CAN COMMUNICATION****POWER CONNECTOR****I/O PORT CONNECTOR****LOAD CONNECTOR****CON14****CONTROL SUPPLY****POWER CONNECTOR****LOAD CONNECTOR**

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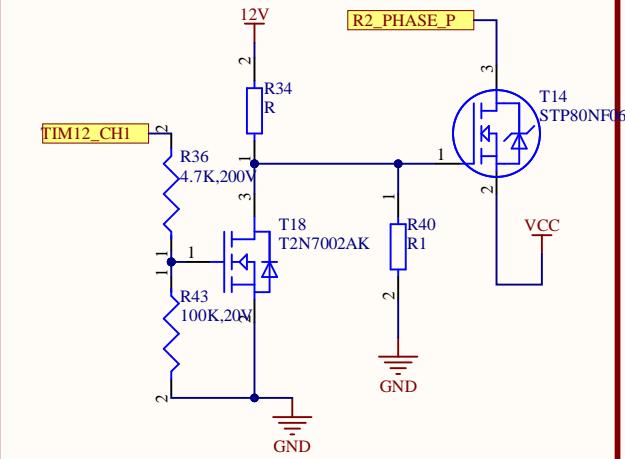
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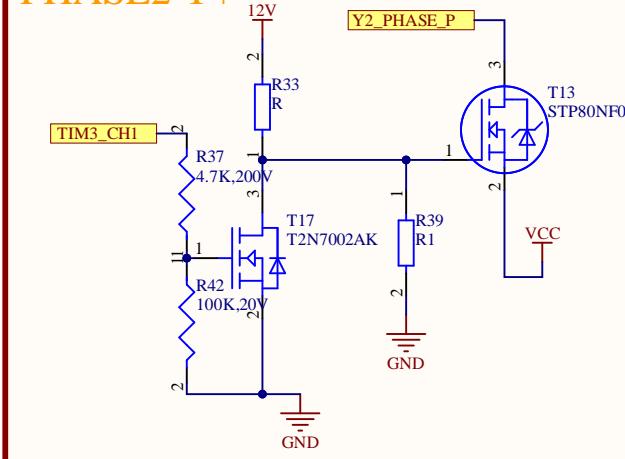
TIM1_CH2

PHASE2 R+



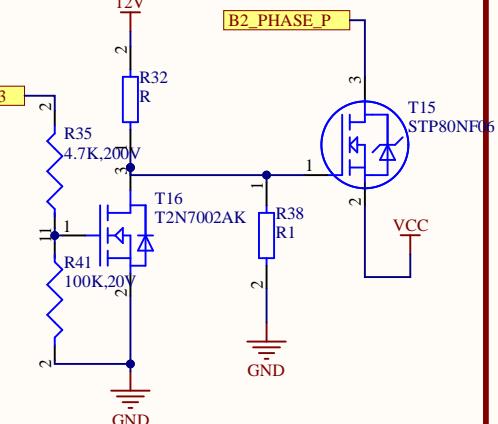
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PHASE2 Y+



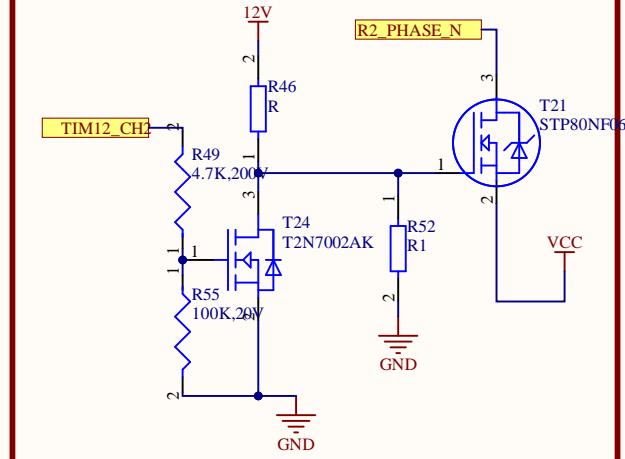
TIM3_CH1

PHASE2 B+



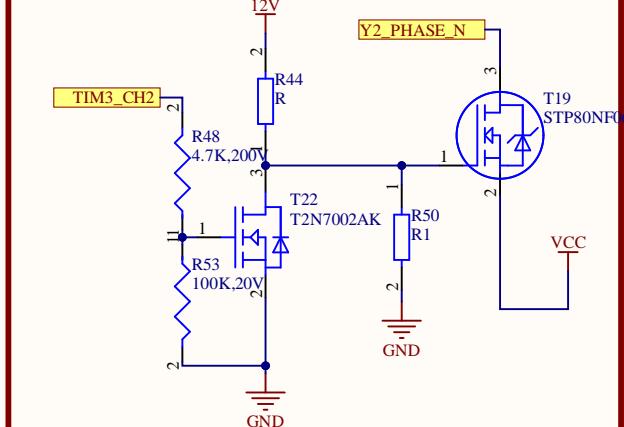
TIM4_CH3

PHASE2 R-



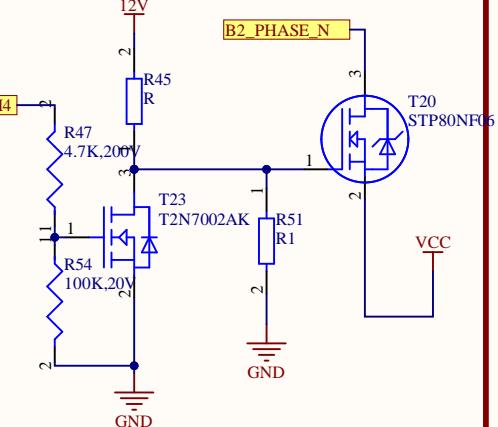
TIM3_CH2

PHASE2 Y-



TIM3_CH3

PHASE2 B-



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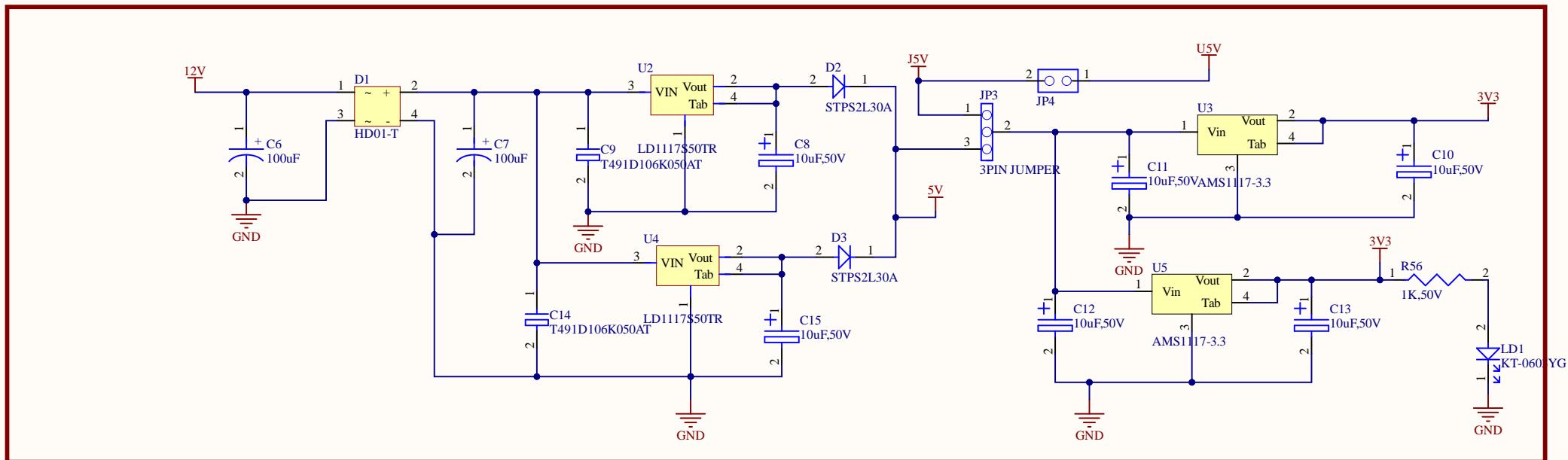
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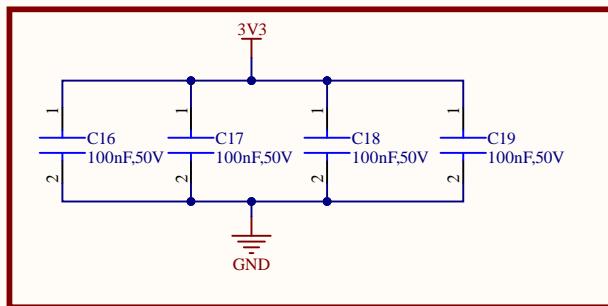
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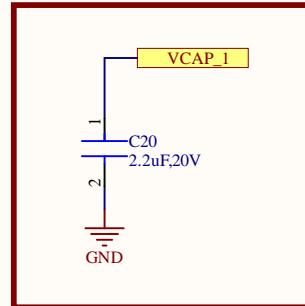
POWER CIRCUIT



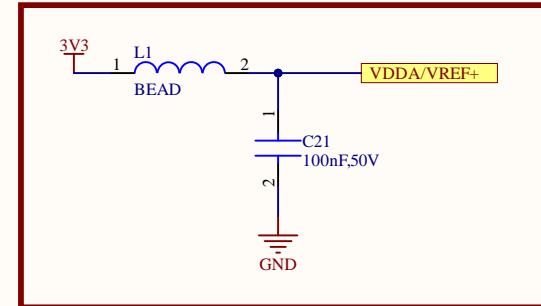
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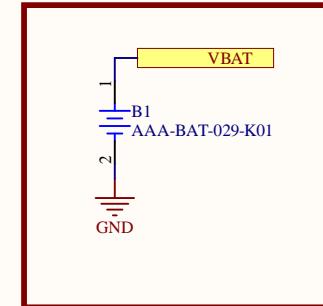
CAPACITOR CIRCUIT



ANALOG POWER



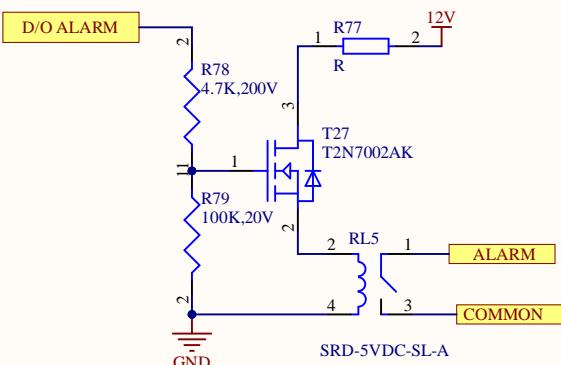
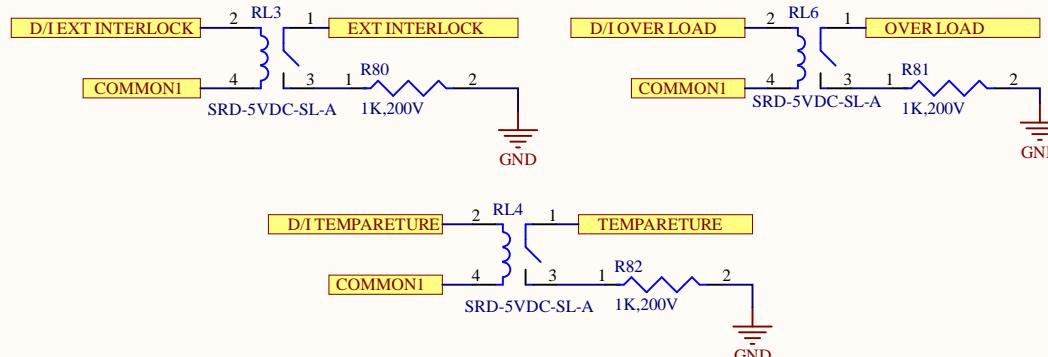
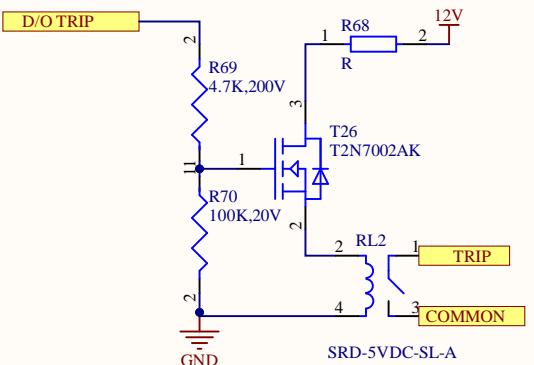
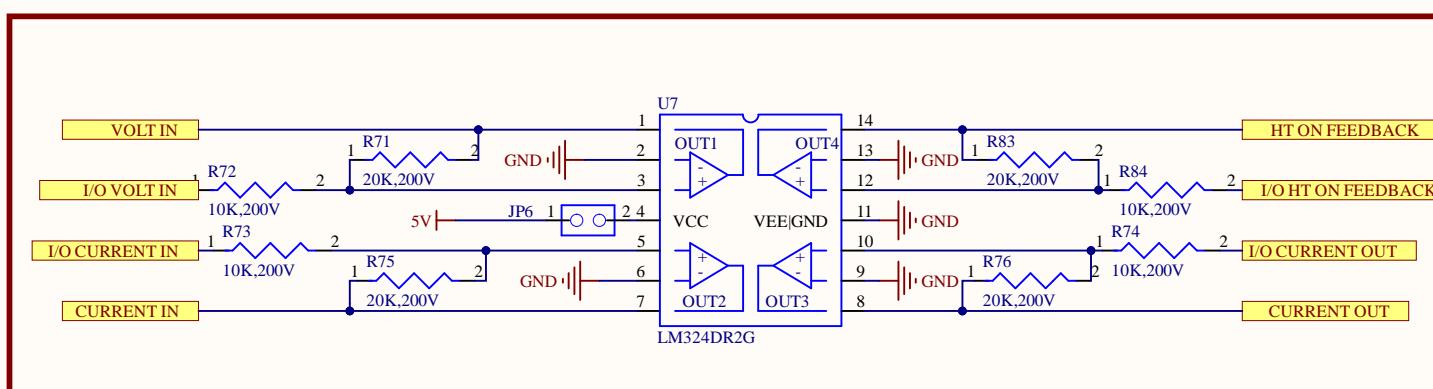
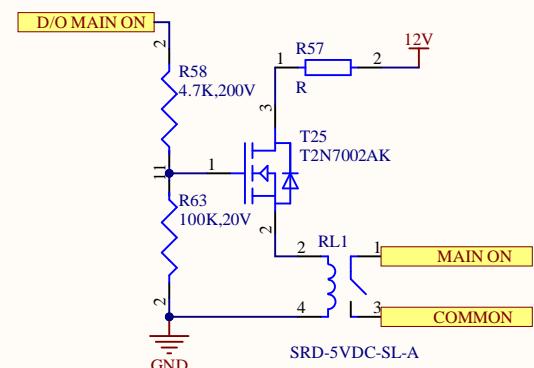
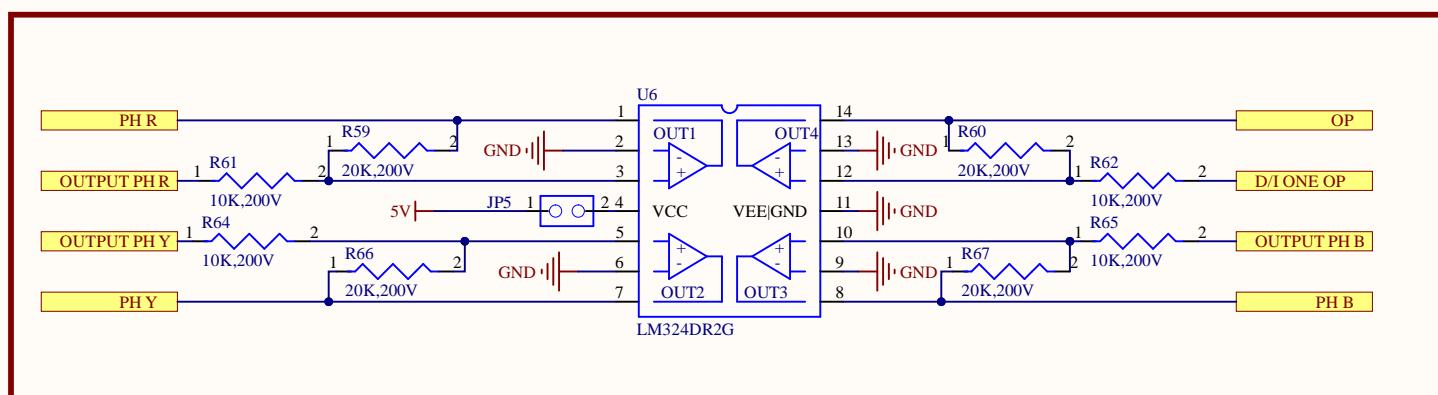
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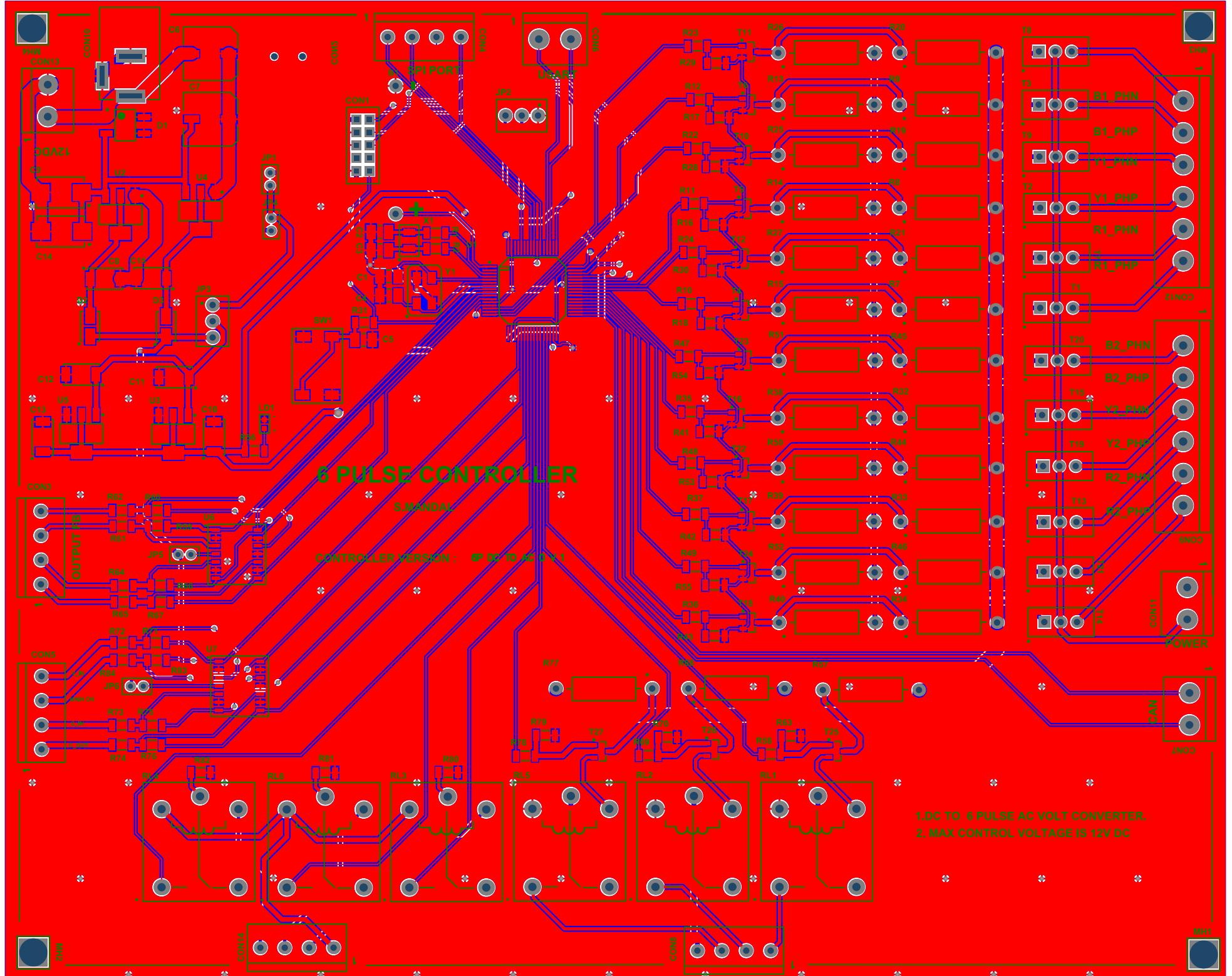
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MFR_Part	Manufacturer	JLCPB.Part	Line #	Name	Designator	Quantity
AAA-BAT-029-K01	LOTES	C962133		AAA-BAT-029-K01	B1	1
CC1206JRNPNP09BN200	YAGEO	C113883		200f.20V	C1, C4	2
CC1206JRNPNP09BN5R0	YAGEO	C2935251		5pF.50V	C2, C3	2
CC1206ZBRY5V9BB105	YAGEO	C326607		0.1uf.20V	C5	1
MA50V100M8X12	jicerrul	C46550475		100uF	C6, C7	2
TAJC106K035RNJ		C7211		10uF.50V	C8, C10, C11, C12, C13, C15	6
T491D106K050AT	KEMET	C117038		T491D106K050AT	C9, C14	2
CC1206ZRY5V9BB104	YAGEO	C577258		100nf.50V	C16, C17, C18, C19, C21	5
CC1206KKX7R8B225	YAGEO	C113893		2.2uF.20V	C20	1
PHD-2X5A	BOOMLE(Boom Precision Elec)	C49123		PHD-2X5A	CON1	1
5075BMR-05-SM	JLCPB Assembly	C9900207942		5075BMR-05-SM	CON2	1
WJ124-3.81-4P	Ningbo Kangnix Elec	C69809		WJ124-3.81-4P	CON3, CON4, CON5, CON8, CON14	5
WJ127-5.0-2P	Ningbo Kangnix Elec	C3703		WJ127-5.0-2P	CON6, CON7, CON11, CON13	4
WJ126V-5.0-6P	Ningbo Kangnix Elec	C8379		WJ126V-5.0-6P	CON9, CON12	2
EJ508A	MPD	C3030986		C3030986	CON10	1
HD01-T	Diodes Incorporated	C52151		HD01-T	D1	1
STPS2L30A	STMicroelectronics	C133102		STPS2L30A	D2, D3	2
MTP220-110251	MINTRON	C376075		MTP220-110251	JP1, JP4, JP5, JP6	4
2.54-1*3PPin	BOOMLE(Boom Precision Elec)	C49257		3PIN JUMPER	JP2, JP3	2
FH (Guangdong Fenghua Advanced Tech)		C1020		BEAD	L1	1
KT-0603YG	Hubel KENTO Elec	C2289		KT-0603YG	LD1	1
				mhole	MH1, MH2, MH3, MH4	4
RC1206JR-070RL	YAGEO	C108081		RES.0.ohm.20V	R1, R2	2
RC1206JR-070RL	YAGEO	C108081		0.ohm.20V	R3, R4	2
					R5, R16, R17, R18, R28, R29, R30, R41, R42, R43, R53, R54, R55, R63, R70, R79	16
RC1206FR-0710KL	YAGEO	C132649		100K.20V	R6, R31	2
					R7, R8, R9, R19, R20, R21, R22, R32, R34, R44, R45, R46, R57, R68, R77	15
RC1206FR-074K7L	YAGEO	C137262		4.7K.200V	R10, R11, R12, R22, R23, R24, R35, R36, R37, R47, R48, R49, R58, R69, R78	15
				R1	R13, R14, R15, R25, R26, R27, R38, R39, R40, R50, R51, R52	12
RC1206FR-071KL	YAGEO	C131398		1K.50V	R56	1
1206W4F2002T5E	UNI-ROYAL (Uniroyal Elec)	C18003		20K.200V	R59, R60, R66, R67, R71, R75, R76, R83	8
RC1206FR-0710KL	YAGEO	C132649		10K.200V	R61, R62, R64, R65, R72, R73, R74, R84	8
RC1206FR-071KL	YAGEO	C131398		1K.200V	R80, R81, R82	3
Ningbo Songle Relay	C140615			SRD-5VDC-SL-A	R1, R2, R3, R4, R5, R6	6
4-1437565-2	TE Connectivity	C86487		RESET_SW	SW1	1
STP80NF06	STMicroelectronics	C283533		STP80NF06	T1, T2, T3, T7, T8, T9, T13, T14, T15, T19, T20, T21	12
T2N7002AK,LM	TOSHIBA	C516175		T2N7002AK	T4, T5, T6, T10, T11, T12, T16, T17, T18, T22, T23, T24, T25, T26, T27	15
STM32F446RET6TR	STMicroelectronics	C3230925		LOPF64	U1	1
LD1117SS50TR	STMicroelectronics	C134077		LD1117SS50TR	U2, U4	2
AMS1117-3.3	Advanced Monolithic Systems	C6186		AMS1117-3.3	U3, U5	2
LM324DR2G	onsemi	C63820		LM324DR2G	U6, U7	2
7LC32768F12UC	SJK(SHENZHEN CRYSTAL TECH)	C252398		32.72kHzharz	X1	1
ABM3B-8.000MHz-B2-T	Abraccon LLC	C83312		8MHz	Y1	1

