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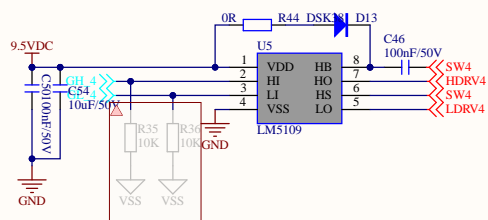
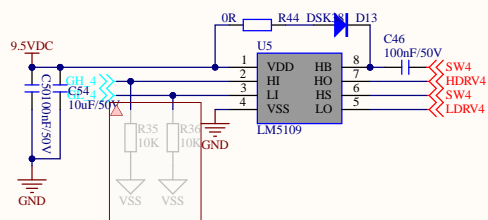
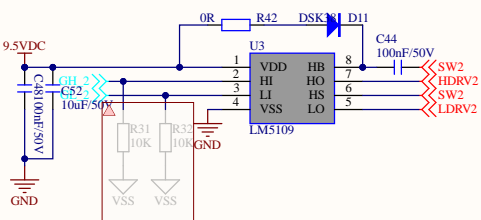
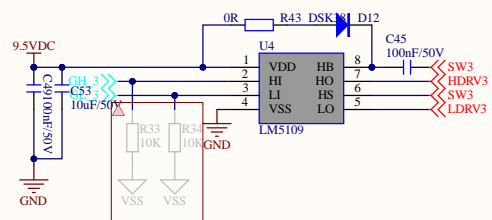
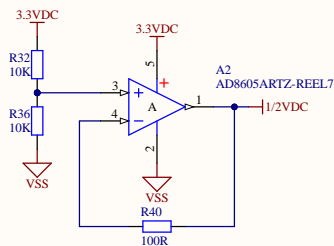
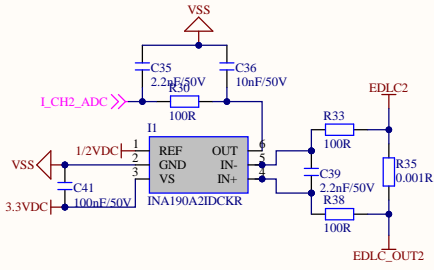
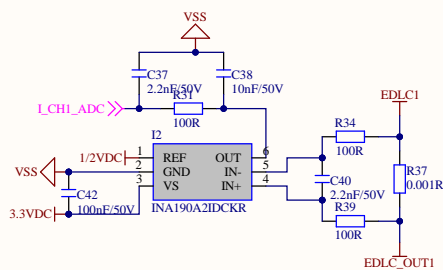
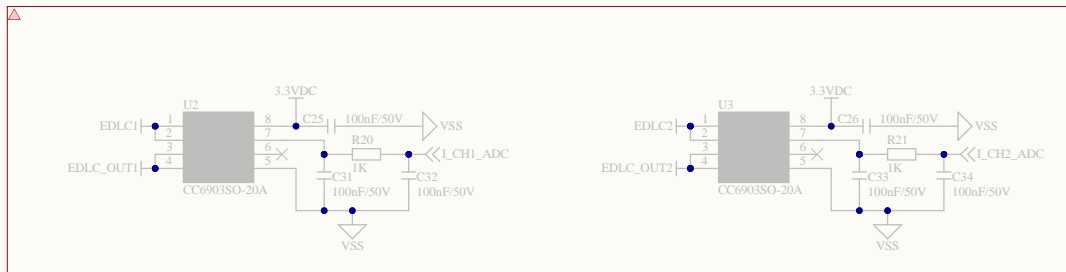
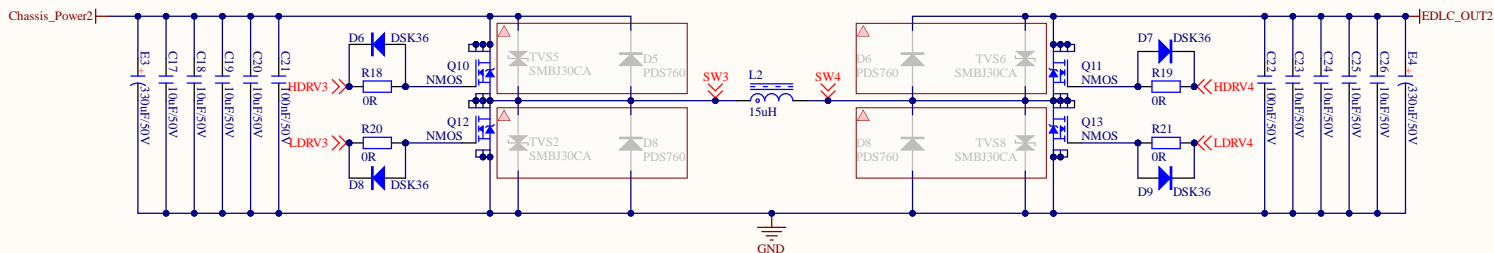
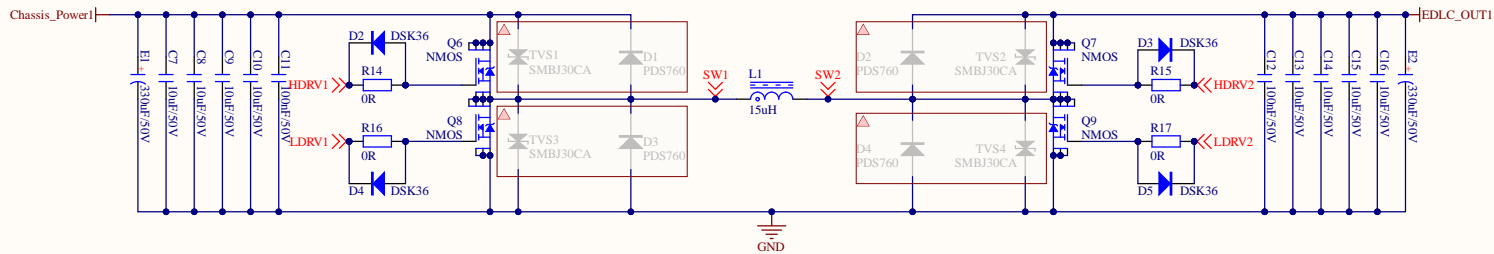
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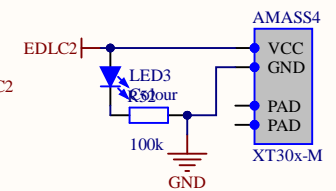
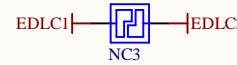
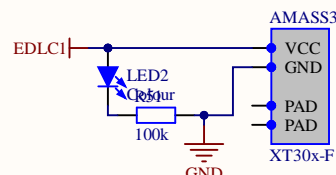
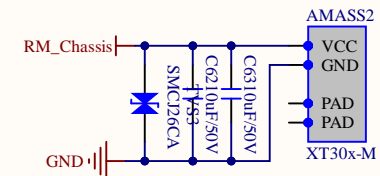
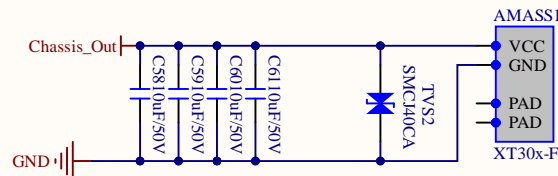
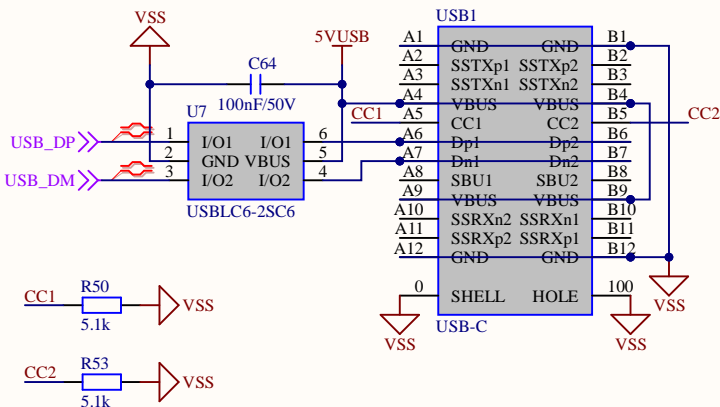
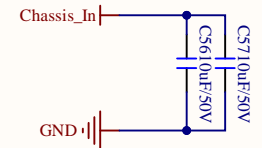
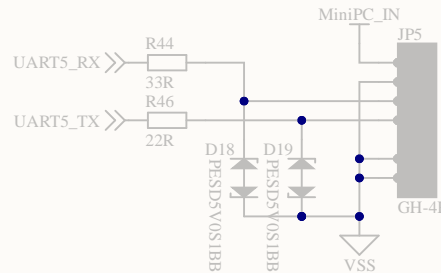
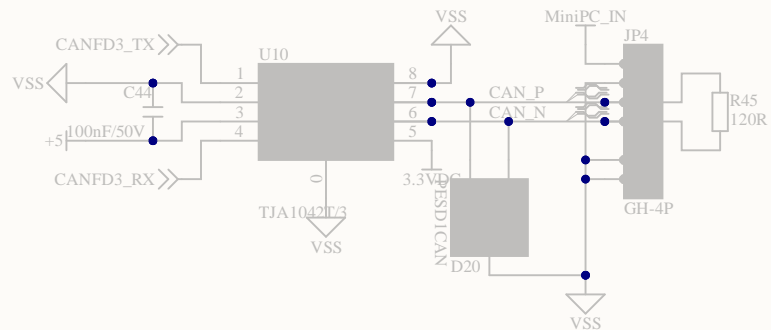
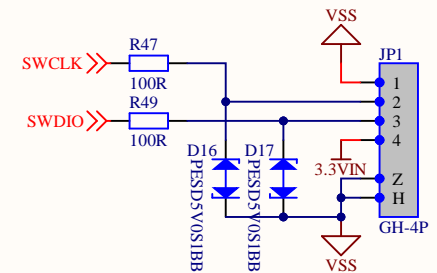
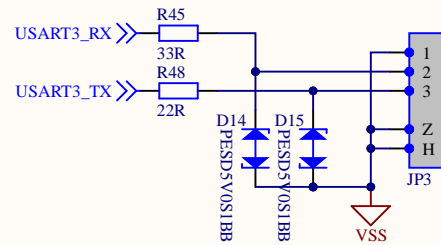
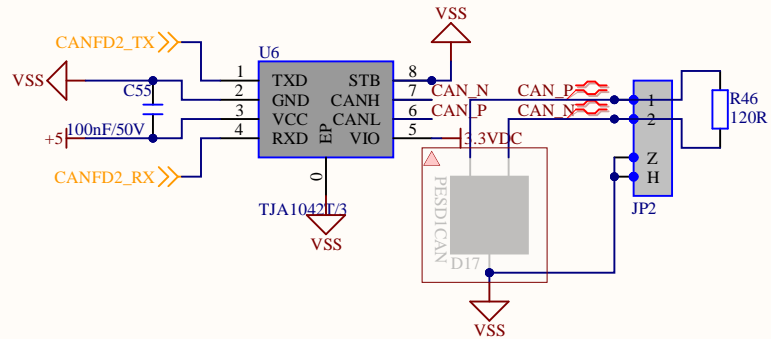
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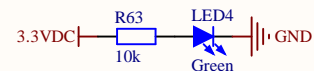
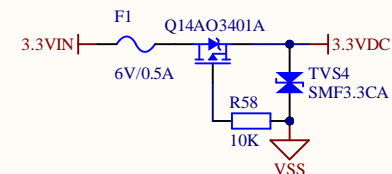
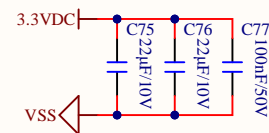
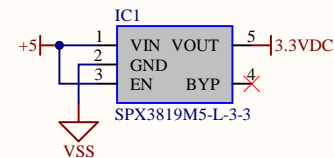
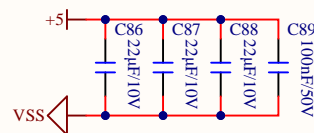
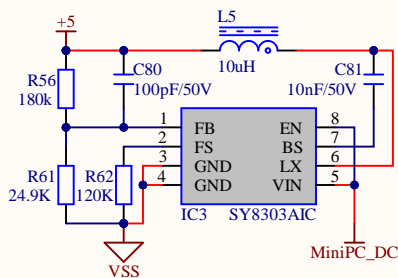
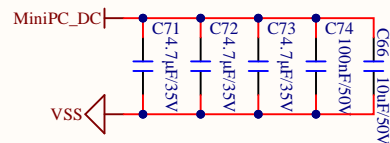
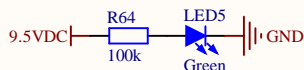
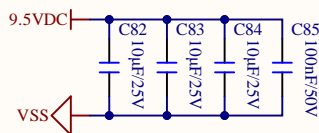
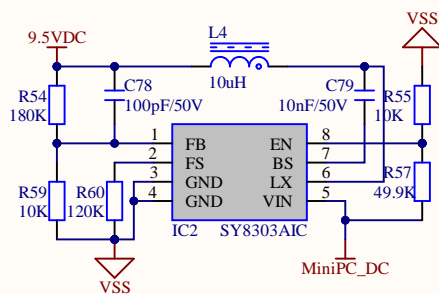
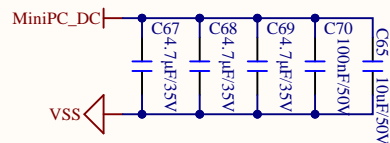
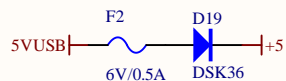
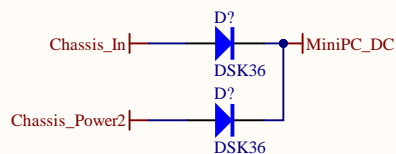
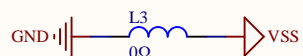
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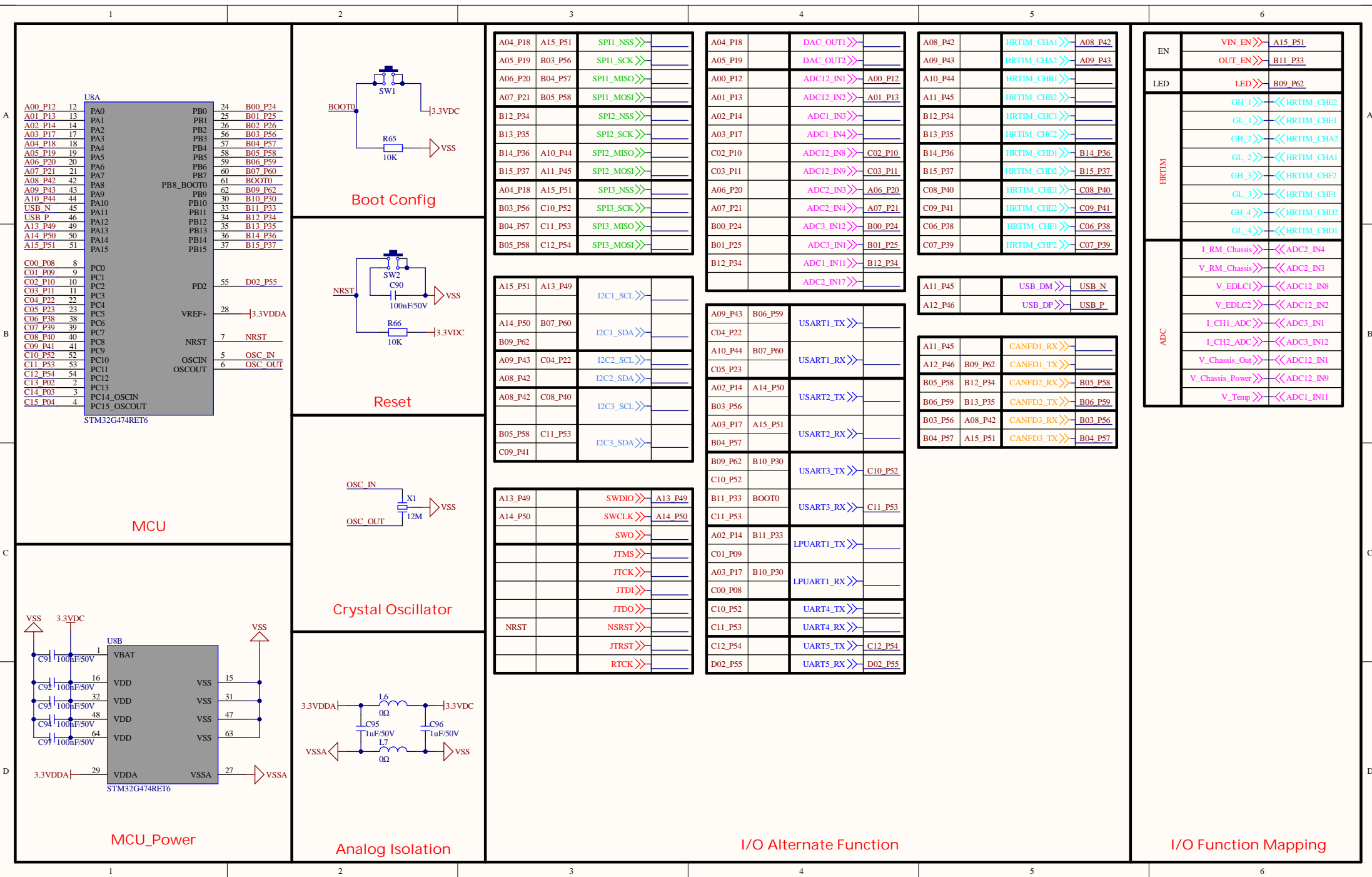
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Comment	Description	Designator	Footprint	LibRef	Quantity
INA194AIDBVT	电流感应放大器 80V	A1	SOT23-5	INA194AIDBVT	1
AD8605ARTZ-REEL7	高精度低噪声CMOS 轨对轨输入/输出运 算放大器	A2	SOT23-5N	AD8605ARTZ-REEL7	1
XT30x-F	Amass防打火电源接 口。XT30系列	AMASS1, AMASS3	XT30U-F	XT30	2
XT30x-M	Amass防打火电源接 口。XT30系列	AMASS2, AMASS4	XT30U-M	XT30	2
100pF/50V	无极性贴片电容	C1, C31, C32, C33, C34, C38, C80	C 0603_L	C	7
100nF/50V	无极性贴片电容	C2, C6, C11, C12, C21, C22, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C55, C64, C70, C74, C77, C85, C89, C90, C91, C92, C93, C94, C97	C 0603_L	C	29
10nF/50V	无极性贴片电容	C3, C36, C38, C79, C81	C 0603_L	C	5
2.2nF/50V	无极性贴片电容	C4, C5, C35, C37, C39, C40	C 0603_L	C	6
10uF/50V	无极性贴片电容	C7, C8, C9, C10, C13, C14, C15, C16, C17, C18, C19, C20, C23, C24, C25, C26, C51, C52, C53, C54, C56, C57, C58, C59, C60, C61, C62, C63, C65	C 1206_L	C	29
33pF/50V	无极性贴片电容	C27, C28, C29, C30	C 0603_L	C	4
10uF/50V	无极性贴片电容	C66	C 0805_M	C	1
4.7uF/35V	无极性贴片电容	C67, C68, C69, C71, C72, C73	C 0603_L	C	6
22uF/10V	无极性贴片电容	C75, C76, C86, C87, C88	C 0603_L	C	5
10uF/25V	无极性贴片电容	C82, C83, C84	C 0603_L	C	3
1uF/50V	无极性贴片电容	C95, C96	C 0603_L	C	2
PDS760	肖特基二极管	D1	SMPC	SS76	1
DSK36	高速开关二极管	D2, D3, D4, D5, D6, D7, D8, D9	SOD-323	1N4148	8
DSK38	肖特基二极管	D10, D11, D12, D13	SOD-123F	SS34	4
PESD5V0S1BB	双向静电放电二极管	D14, D15, D16, D17	SOD-523	ESD	4
DSK36	肖特基二极管	D19, D7	SOD-123F	SS34	3
8Z15C135	稳压二极管	D21	SOD-323	CVD	1
12V	稳压二极管	D22	SOD-323	CVD	1
330uF/50V	薄膜固态电容	E1, E2, E3, E4	CS 5.0"10"13 - R	C-C5	4
6V/0.5A	贴片保险丝	F1, F2	FU 0603	FU	2
INA190A2IDCKR	电流感应放大器 40V	I1, I2	SC-70-6	INA190A2IDCKR	2
SPX3819MS-L-3-3	LDO线性稳压芯片	IC1	SOT23-5L	SPX3819	1
SY8303AAC	IC2 除扭芯片	IC2, IC3	SOT23-8L	SY8303	2
GH-4P	4P接插件	JP1	GH 1.25-LS-4P	Header 4	1
HDR-1X2	2P接插件	JP2	GH 1.25-LS-2P	Header 2	1
HDR-1X3	3P接插件	JP3	GH 1.25-LS-3P	Header 3	1
15uH	一线成型电感	L1, L2	CKS12020-1717	L-HP	2
DQ	小功率贴片电感	L3, L6, L7	L 0603		3
10uH	一线成型电感	L4, L5	CKS10502	L-HP	2
WS2812	全彩可控LED	LED1	LED 3528-RGB	WS2812	1
Colour	贴片LED	LED2, LED3	LED 0603R	LED-SMD	2
Green	贴片LED	LED4, LED5	LED 0603Y	LED-SMD	2
NODE	大电流节点	NC1	NODE-2	NODE	1
NODE	大电流节点	NC2, NC3	NODE-3	NODE	2
NMOS	DFN封装N沟道场效 应管	Q1, Q2, Q6, Q7, Q8, Q9, Q10, Q11, Q12, Q13	DFN5*6-8L	NMOS_DFN	10
NMOS	贴片信号N沟道场效 应管	Q3	SOT23-3L	NMOS_SS	1
PMOS	DFN封装P沟道场效 应管	Q4, Q5	DFN5*6-8L	PMOS_DFN	2
AO3401A	贴片信号P沟道场效 应管	Q14	SOT23-3L	PMOS_SS	1
10k	贴片电阻, NTC热敏 电阻	R1, R3, R6, R10, R12, R55, R58, R63, R65, R66	R 0603_L	R	10
20k	贴片电阻	R2	R 0603_L	R	1
10R	贴片电阻	R4	R 0603_L	R	1
100K	贴片电阻	R5, R51, R52, R64	R 0603_L	R	4
1K	贴片电阻	R7	R 0603_L	R	1
100R	贴片电阻	R8, R9, R13, R30, R31, R33, R34, R38, R39, R40, R47, R49	R 0603_L	R	12
0.007R	贴片电阻	R11	R 2512_M	R	1
0R	贴片电阻	R14, R15, R16, R17, R18, R19, R20, R21, R41, R42, R43, R44	R 0603_L	R	12
100K	精密贴片电阻	R22, R23, R24, R25	R 0603-HP_L	R-Precision	4
10K	精密贴片电阻	R26, R27, R28, R29, R32, R36, R59	R 0603-HP_L	R-Precision	7
0.001R	贴片电阻	R35, R37	R 2512_M	R	2
33R	贴片电阻	R45	R 0603_L	R	1
120R	贴片电阻	R46	R 0603_L	R	1
22R	贴片电阻	R48	R 0603_L	R	1
5.1k	贴片电阻	R50, R53	R 0603_L	R	2
180K	精密贴片电阻	R54, R56	R 0603-HP_L	R-Precision	2
49.9K	贴片电阻	R57	R 0603_L	R	1
120K	贴片电阻	R60, R62	R 0603_L	R	2
24.9K	精密贴片电阻	R61	R 0603-HP_L	R-Precision	1
M3铜柱	铜柱	SP1, SP2, SP3, SP4	M3x4+6_N	铜柱加头大焊盘	4
3.2x4.2x2.5	3.2x4.2轻触开关	SW1, SW2	TSW SMD - 3.2x4.2x2.5	TSW SMD-3x4_D	2
SMC126CA	瞬态电压抑制二极管	TVS1, TVS3	SMC	TVS	2
SMC140CA	瞬态电压抑制二极管	TVS2	SMC	TVS	1
SMF3.3CA	瞬态电压抑制二极管	TVS4	SOD-123F	TVS	1
LTC4359	理想二极管控制器	U1	MSOP8_L	LTC4359	1
LM5109	升降压电路	U2, U3, U4, U5	SOP8_L	LM5109	4
UA10421/3	CA4142收发器	U6	HVSON8_N	UA10421/3	1
USBLC6-25C6	USBESD保护器TVS系列	U7	SOT23-6L	USBLC6-25C6	1
STM32G474REt6		U8	LOFP64-10"10"	STM32G474REt6	1
USB-C	USB-C数据接口	USB1	USB-C/5_B	USB-C/5	1
12M	3脚内置电容无源晶 振	X1	OSC 3213-3P	XTAL-3P	1