



Title		
Size	Number	Revision
A1	10	1
Date	2023/07/27	Sheet of 10
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Comment	Description	Designator	Footprint	LibRef	Quantity
35V220UF	电解电容	C1, C6, C10, C17, C21, C22	8mm-C	CAP_电解电容	6
105	贴片电容0805-C	C2, C7, C11, C12	0805-C	CAP	4
104	贴片电容0603-C	C3, C4, C5, C8, C14, C15, C18, C20	0603-C	CAP	8
106	贴片电容0603-C	C9, C16, C19	0603-C	CAP	3
102	贴片电容0603-C	C13	0603-C	CAP	1
TVS36	双向 TVS瞬变抑制二极管	D1	SMD	TVS	1
SS34	SS34 SMA 贴片肖特基二极管 1N5822 A型 3A/40V, 贴片封装 二极管1N4007 M7 1A/1000V	D2, D3	SMA	IN4007, SS34	2
TVS6.8	双向 TVS瞬变抑制二极管	D4	SMA	TVS	1
M7	贴片整流二极管 1N4007 M7 1A/1000V	D5, D6, D7, D8, D9, D10, D11, D12, D13, D14	M7F	IN4007	10
2.6A	贴片保险丝	F1	FU 1812	FU	1
DC12V	正电压电源 HK3FF-DC5V 12V 24V-SHG 10A 5脚一組插座	K1, K2, K3, K4, K5, K6, K7, K8, K9, K10	JZC-32F_12	HK3FF	10
5MH	共模电感EE8.3 EE10 EE12.5MH	L1	L_ELQ-7X8	EE8.3	1
47NH	贴片电感CDRH127	L2, L4	0805-R	CDRH127-L	2
88UH	6*8.88UH 0.3欧姆 贴片 工字型功率电感 大电流 PK0608 2A	L3	PK0608	PK0608	1
LED-R	LED发光二极管	LED1, LED2, LED3, LED4, LED5, LED6, LED7, LED8, LED9, LED10, LED11, LED12, LED13, LED14, LED15, LED16, LED17, LED18, LED19, LED20, LED21, RUN	LED-0603-Red	LED_1P	22
KF2EDG-5.08-2P	插板式接线端子 DG/KF2EDG-5.08 SP-5.08mm	P1, P17, P18, P19, P20, P21, P22, P23, P24, P25, P26	KF128-5.0-2P	KF2EDG-5.08-2P	11
MG128-12P-5.0	MG128/KF128-12P-5.0mm间距插板针可拼接螺钉式PCB端子	P2	KF128-5.0-12P	MG128-12P-5.0	1
MG128-7P-5.0	MG128/KF128-12P-5.0mm间距插板针可拼接螺钉式PCB端子	P8	KF128-5.0-7P	MG128-7P-5.0	1
HFY-J72A	7脚插座 单排针 间距2.54MM 7P	P11, P12	HDR1X7	HDR-1X7	2
HDR-4P	2.54mm间距 单排直针排针4P连接器	P13	HDR-2.54-4P	HDR2.54-4P	1
HDR-4P	2.54mm间距 单排直针排针4P连接器	P15	XH2.54-4P	HDR2.54-4P	1
DC24	牛角座 2.54mm间距 直针插座24P连接器	P27	DC-2.54-L-Z-24P	DC-24	1
15V100mA	热敏自恢复保险丝 过流保护片 15V100mA	PTC1, PTC2	0805-R	PTC	2
Y2	SS8050 SOT23 Y2 双S大电流 PNP三极管 贴片三极管	Q1	SOT-23	PNP	1
Y1	SS8050 SOT23 Y1 双S大电流 NPN三极管 贴片三极管	Q2, Q3, Q4, Q5, Q6, Q7, Q8, Q9, Q10, Q11	SOT-23	NPN	10
10K	贴片电阻0805-R	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10	0805-R	Res	10
1K	贴片电阻0603-R	R11, R12, R13, R14, R25, R33	0603-R	Res	6
4.7K	贴片电阻0603-R	R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R30, R31, R32	0603-R	Res	13
0R	贴片电阻0805-R	R26	0805-R	Res	1
511R	贴片电阻0805-R	R27	0805-R	Res	1
361	贴片电阻0603-R	R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R64	0603-R	Res	11
10K	贴片电阻0603-R	R44, R45, R46, R47, R48, R49, R50, R51, R52, R53, R54, R55, R56, R57, R58, R59, R60, R61, R62, R63	0603-R	Res	20
SW-SPDT	SPDT Subminiature Toggle Switch, Right Angle Mounting, Vertical Actuation	S1	CSW DIP-1P	SW-SPDT	1
SPK	12*9.5mm 有源蜂鸣器分体一体 3V 5V 12V音量大小	S2	FMQ5mm	SPK	1
SW DIP_4	微动开关4P	S3	CSW DIP-4P	SW_DIP_4	1
DYT	DC电源输入座	U	DC-005	DYT	1
2705	2705 光电耦合器	U1, U2, U3, U4, U5, U6, U7, U8, U9, U10	SOP-4	EL817	10
SP232	SP232EEN 贴片 SOP-16 RS232收发器	U11	SOP16	SP232	1
12V	芯龙 XL1509 稳压降压芯片 贴片 SOP-8	U12	SOP-8	XL1509	1
2.5V	可调基准稳压芯片 2.5V	U13	SO-G3	CD431	1
LM1117-5V	LM1117MPX-5.0NOPB SOT-223 低压线性稳压器芯片	U14	SOT223	LM1117	1
MAX3085	RS85通讯芯片	U15	SOP-8	MAX3085	1
STC8A8K64D4	宏晶单片机 STC8A8K64D 64脚 芯片	U16	LQFP64S	STC8A8K64D4_LQFP64S	1
JC3H7C	EL817-C 光电耦合器	U17, U18, U19, U20	SOP4	EL817	10