





Comment	Description	Designator	Footprint	Quantity
100nF/25V/5%	电容	C1, C2, C3, C4, C5, C6, C7, C8, C12, C13, C14, C15, C17, C26, C27, C30	C0603	16
20pF/25V/1%	电容	C9, C10	C0603	2
10uF/25V/5%	钽电容	C11, C16	C1206-1	2
10nF/25V/5%	电容	C18	C0603	1
2.2uF/25V/5%	钽电容	C25	C1206-1	1
16MHz	两对电极压电晶体	G1	OSC5032	1
LED蓝灯	发光二极管	HL1, HL2	LED0603	2
LED红绿双色	LED2_Common_Anode: 双色LED, 共阳极	HL3	LED2_Common_Anode	1
LED3_RGB	LED3_Common_Anode: 三色共阳极LED	HL4	LED3_Common_Anode	1
SWD	XH2.54-5P直插插针	JP1	XH2.54-5AW	1
MiniUSB-B	MiniUSB-B母头插座	JP2	MiniUSB-B	1
XH2.54-3P	XH2.54-2P弯针插座	JP3	XH2.54-2AW	1
FPC-12P	FPC-12P	JP4	FPC-1.0MM-12P-1W	1
SW-2	SW-2: 2通道自锁开关	K2	BTN-T7	1
E22-400T22D	E22-400T22D LoRa模块	M1	E22-400T22D	1
10K/5%	电阻	R1, R2, R3, R5, R6, R16, R21	R0603	7
1K/5%	电阻	R4, R8, R9, R22	R0603	4
1M/1%	电阻	R7	R0603	1
1K5/5%	电阻	R10	R0603	1
2K/5%	电阻	R12	R0603	1
10M/1%	电阻	R19, R20	R0603	2
STM32F105RCT6	STM32F105RCT6	U1	LQFP64_STM32F105R	1
CH340N	CH340N	U2	CH340N_SOP8	1
TP4056	TP4056	U3	TP4056_SOP8_SO P127P600X175-8N	1
TPS73033DBVR	SGM2019: Low Power, Low Dropout, RF Linear Regulators	U4	SGM2019_SOT23-5_95P280X125-5N	1
S8050	NPN三极管	V1	SOT-23	1
1N4148	开关二极管	VD7	LL-34	1