





Comment	Description	Designator	Footprint	Quantity
100nF/ 25V/ 5%	电容	C1, C2, C3, C4, C5, C6, C7, C8, C12, C22, C24, C26, C27, C28, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39	C0603	24
20pF/ 25V/ 1%	电容	C9, C10	C0603	2
10uF/ 25V/ 5%	钽电容	C21, C23, C25, C29	C1206-1	4
16MHz	两对电极压电晶体	G1	OSC5032	1
LED蓝灯	发光二极管	HL1, HL2	LED0603	2
电池接口	XH2.54-2P/ PH2.0-2P插座	JP1	XH2.54-LI-2P	1
SWD	XH2.54-5P直插插针	JP2	XH2.54-5AW	1
电池开关	SK-12D07: 3脚2档小型拨动开关	K1	SK-12D07	1
10uH/5%	电感	L1, L2	L0603	2
E22-400T22D	E22-400T22D LoRa模块	M1	E22-400T22D	1
JXM-O2	JXM智能气体模组传感器	M2	JXM	1
JXM-CO	JXM智能气体模组传感器	M3	JXM	1
JXM-H2S	JXM智能气体模组传感器	M4	JXM	1
JXM-LEL	JXM智能气体模组传感器	M5	JXM	1
10K/ 5%	电阻	R1, R3, R5, R6, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40	R0603	14
2K/ 5%	电阻	R2, R12, R21, R22, R23, R24	R0603	6
1K/ 5%	电阻	R4	R0603	1
1M/ 1%	电阻	R7	R0603	1
10M/ 1%	电阻	R19	R0603	1
2.2M/ 1%	电阻	R20	R0603	1
L7805CD2T	Positive voltage regulator	U1	D2PAK	1
AMS1117-3.3	U_ AMS1117稳压芯片	U2	SOT230P700X180-4N	1
74HC4052	74HC4052	U3	SO16_74HC4052	1
STM32F105RCT6	MCU	U10	LQFP64	1
1N5408	开关二极管	VD1	SMA_DO-214AC	1
1N4007	开关二极管	VD2	SMA_DO-214AC	1
1N4148	开关二极管	VD7	LL-34	1