









Description	Designator	Footprint	LibRef	Quantity	Value
Capacitor, Capacitor, Capacitor, Capacitor, Capacitor, Capacitor, Capacitor, Capacitor, Capacitor, Capacitor, Capacitor	C1, C2, C4, C5, C7, C8, C11, C12, C16, C17, C20, C21, C22, C23, C24	C-0603	Cap	15	0.1uF
Capacitor	C3, C15	C-0603	Cap	2	10uF
Polarized Capacitor (Radial)	C6	C-0603	Cap Pol1	1	10uF
Capacitor	C9, C10	C-0603	Cap	2	1uF
Capacitor	C13, C14	C-0603	Cap	2	20pF
	C18, C19	C-0603	Cap	2	22pF
Typical RED, GREEN, YELLOW, AMBER GaAs LED	D1	SMT_LED_0603	LED2	1	
Typical RED, GREEN, YELLOW, AMBER GaAs LED	D2	SMT_LED_0603	LED2	1	
Typical RED, GREEN, YELLOW, AMBER GaAs LED	D3	SMT_LED_0603	LED2	1	
LED 发光二极管	D4, D5	SMT_LED_0603	LED	2	
保险丝	F1	0805-1	Fuse1	1	500mA
USB接口	J1	USB-B	USB	1	
Micro/Mini USB	J2	USB_MICRO_5S_B	USB_M	1	
Header, 5-Pin	P1, P2	HEADER 5	Header 5	2	
Header, 3-Pin	P3	SIP3-1.27	Header 3	1	
Resistor	R1, R7, R8, R19, R21	0603-1	Res2	5	1K
Resistor	R2, R3	0603-1	Res2	2	100K
贴片电阻	R4	0603-1	Res1	1	680
Resistor	R5, R17	0603-1	Res2	2	10K
Resistor	R6	0603-1	Res2	1	4K7
Resistor	R9, R11, R13, R18	0603-1	Res2	4	1.5K
Resistor	R10, R12	0603-1	Res2	2	4.7K
Resistor	R14, R15, R20, R22, R23, R24, R25	0603-1	Res2	7	22
Resistor	R16	0603-1	Res2	1	100
	U1	SOT23-5	SPX3819	1	
	U2	QFN28-L	GL852G	1	
	U3	QFN28-L	CP2102/9	1	
STM32 ARM-based 32-bit MCU with 64 Kbytes Flash, 48-pin LQFP, Industrial Temperature	U4	LQFP48_N	STM32F103C8T6	1	
Crystal Oscillator	Y1	XAL5032 2-Leads	XTAL	1	
	Y2	XAL5032 2-Leads	XTAL	1	