







Comment	Description	Designator	Footprint	LibRef	Quantity
JP		3.3v, 5v, J2, J3, J4	JP	JP	5
104	capacitor	C1, C2, C3, C4, C5, C8, C9, C10, C17, C18, C20	LC-0603_C	陶瓷电容	11
220	capacitor	C6, C7	LC-0603_C	陶瓷电容	2
106	capacitor	C11, C12	LC-0603_C	陶瓷电容	2
226	capacitor	C13, C14, C15, C16	LC-1206_C	陶瓷电容	4
475	capacitor	C19	LC-1206_C	陶瓷电容	1
105	Surface mount capacitor 0402	C21, C22	LC-0603_C	SMT_C_0402	2
blue	LED_0603	D1	LC-0603_LED_S1	蓝灯	1
Photo Sen	Photosensitive Diode	D2	光敏二极管3mm	Photo Sen	1
B5819W	3 Amp Medium Power Silicon Rectifier Diode	D3	LC-SOD-123	Diode	1
green	LED_0603	D4, D8	LC-0603_LED_S1	绿灯	2
white	LED_0603	D5	LC-0603_LED_S1	白灯	1
yellow	LED_0603	D6, D7	LC-0603_LED_S1	黄灯	2
red	LED_0603	D9	LC-0603_LED_S1	红灯	1
AVR_ISP	AVR ISP 6 PIN	J1	HDR1X3*2_180_2.54	AVR_ISP_6PIN	1
Inductor	Inductor	L1	LC-0603_L	Inductor	1
Inductor	Inductor	L2	SPM6530	Inductor	1
Bell	Electrical Bell	LS1	BUZZER	Bell	1
GeekkModels RJ25	GeekkModels RJ25(RJ11 6P6C)port with i2c & 2 pins io	MOTO1, PORT1, PORT2, PORT3, PORT4, UART1, UART2	DS1133-S60BPX	RJ11-6P6C	7
HDR1X2_180_2.54	Header	P1	PH2.0-2PWb	HDR1X4_180_2.54_1	1
USB-B		P2	USB-B	USB-B	1
USB_Micro_5S_B	USB micro female SMT with 4 fixed foot	P3	USB_MICRO_5S_B	USB_Micro_5S_B	1
SS8050	NPN General Purpose Amplifier	Q1	LC-SOT-323(SC-70)	2N3904	1
AO3400A	MOSFET	Q2, Q3, Q4	LC-SOT-23(SOT-23-3)	N型MOS	3
0R0	Resistor	R1	LC-0603_R	贴片电阻	1
1004	Resistor	R2, R12, R30, R31	LC-0603_R	贴片电阻	4
1001	Resistor	R3, R6	LC-0603_R	贴片电阻	2
1002	Resistor	R4, R7, R14, R16, R19, R20, R21, R24, R25, R28	LC-0603_R	贴片电阻	10
4702	Resistor	R5	LC-0603_R	贴片电阻	1
2001	Resistor	R8, R9, R10, R11, R26, R27, R32	LC-0603_R	贴片电阻	7
1201	Resistor	R13, R15	LC-0603_R	贴片电阻	2
1803	Resistor	R17	LC-0603_R	贴片电阻	1
1103	Resistor	R18	LC-0603_R	贴片电阻	1
5100	Resistor	R22	LC-0603_R	贴片电阻	1
5101	Resistor	R23	LC-0603_R	贴片电阻	1
轻触按键	Switch	S1, S2	SMT_SW_PTS_820	BT_TACT_3x6_D180	2
轻触按键	Switch	S3	6*6*4.3 button	BT_TACT_3x6_D180	1
Atmega328	Atmel 8-bit Microcontroller	U1		ATMEGA328-p	1
ws2812B	RGB LED with control ic	U2, U3	ws2812_5050	ws2812B	2
38K IRM-3638T		U4	IRM-3638T	IRM-3638T	1
TPS63020	HIGH EFFICIENCY SINGLE INDUCTOR BUCK-BOOST CONVERTER WITH 4-A SWITCHES	U5	LC-VSON-14_3x4x05P	TPS63020	1
BQ24075	1.5A USB-Friendly Li-Iso Battery Charger and Power_path Management IC	U6	LC-QFN-16_3x3x05P	BQ24075	1
SN74LVC1G17		U7	LC-SOT-23-5	SN74LVC1G14DBVR	1
SN74LVC2G74DCUR		U8	LC-US8	SN74LVC2G74	1
CP2102	CP2102	U9	LC-QFN-28_5x5x05P	CP2102	1
XTAL	Crystal Oscillator	Y1	LC-SMD-5032_2P	XTAL	1