







Comment	Description	Designator	Footprint	LibRef	Quantity
MHDR1X3	Header, 3-Pin	8266DL, GPSDL, UART1	HDR1X3H	MHDR1X3	3
BEEPER	Electrical Bell	BEEPER1	BUZZ_9*5.5	Bell	1
SW-P1T1		BOOT0, BOOT1	SW-P1T1	SW-P1T1	2
Lithium	Multicell Battery	BT1	LI1220_1	Battery	1
0.1uF_0603	Capacitor	C1, C17	LC-0603_C	Cap	2
4.7uF_35V	Capacitor	C2, C14	LC-0805_C	Cap	2
0.1uF	Capacitor	C3, C16, C23, C37	LC-0603_C	Cap	4
0.1uF_0805_50V	Capacitor	C4	LC-0805_C	Cap	1
82pF_0603_50V	Capacitor	C5	LC-0603_C	Cap	1
10uF (106) 10% 50V	贴片电容	C6, C8	LC-1206_C	1206 10uF (106) 10% 50V	2
Cap Semi	Capacitor (Semiconductor SIM Model)	C7, C9	LC-0603_C	Cap Semi	2
10uF	Capacitor	C10, C36	LC-0805_C	CAP	2
Cap	Capacitor	C11, C12, C13, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35	LC-0603_C	Cap	15
10uF_0805	Capacitor	C15	LC-0805_C	Cap	1
47uF/25V	Polarized Capacitor (Radial)	C18, C19	CAPAE660X540N	Cap Pol1	2
10nF_0603	Capacitor	C20	LC-0603_C	Cap	1
1uF_0805	Capacitor	C21, C22	LC-0805_C	Cap	2
VFD_ICB-10MM38T		D1	VFD_ICB-10MM38T	VFD_ICB-10MM38T	1
SMAJ6.5CA	TVS	D2	LC-SMA(DO-214AC)_S1	SMB/DO-214AA P6SMB6.8CA	1
MBR0540	肖特基二极管	D3	LC-SOD-123	SOD-123 B5819W SL	1
4.7V/Ziner		D4	LC-SMA(DO-214AC)_S1	Diode BAT17	1
BAV70 A4	开关二极管	D5	LC-SOT-23(SOT-23-3)	SOT-23 BAV70 A4	1
B5819W SL	肖特基二极管	D6	LC-SOD-123	SOD-123 B5819W SL	1
SMD0805-075	Thermal Fuse	F1	LC-0805_L	Fuse Thermal	1
10uH	Inductor	L1	VLS4012E	Inductor	1
SS8550 Y2	三极管	Q1	LC-SOT-23(SOT-23-3)	SOT-23 SS8550 Y2	1
10K_0603_5%	Semiconductor Resistor	R1, R4, R6, R10, R13	LC-0603_R	Res Semi	5
270K_0603_1%	Semiconductor Resistor	R2	LC-0603_R	Res Semi	1
13K_0603_1%	Semiconductor Resistor	R3	LC-0603_R	Res Semi	1
10K	Semiconductor Resistor	R5, R17, R26, R27	LC-0603_R	Res Semi	4
2K2_0603_5%	Semiconductor Resistor	R7	LC-0603_R	Res Semi	1
100R_0805_5%	Semiconductor Resistor	R8, R11	LC-0805_R	Res Semi	2
10R_1206_5%	Semiconductor Resistor	R9, R12	LC-1206_R	Res Semi	2
4.7K	Semiconductor Resistor	R14, R15	LC-0603_R	Res Semi	2
Res Semi	Semiconductor Resistor	R16, R18, R19, R20, R21, R22, R23, R24, R25, R28, R29, R30, R31, R32, R33	LC-0603_R	Res Semi	15
RST	Switch	RESET	ALPS_SKPMA_KEY	SW-PB	1
ALS-PT19-315C	Semiconductor Resistor	RL	LC-0603_R	Res Semi	1
K1_1502SA		SW1	K1-1502SA	SW_K1_1502SA	1
KEYA	Switch	SW2	ALPS_SKPMA_KEY	SW-PB	1
KEYB	Switch	SW3, SW4	ALPS_SKPMA_KEY	SW-PB	2
Header 5	Header, 5-Pin	SWD	HDR1X5H	Header 5	1
STM32F103RCT6	ARM Cortex-M3 32-bit MCU, 512 KB Flash, 64 KB Internal RAM, 51 I/Os, 64-pin LQFP, -40 to 85 degC, Tray	U1	LC-LQFP-64_10x10x05P	STM32F103RET6	1
LM2733X/Y		U2	LC-SOT-23-5	LM2733X	1
SHT3X-DIS		U3	LC-DFN-8_EP_3x3mm	SHT3X-DIS	1
LM4871		U4		LM4871	1
FLASH		U5	M25P32_SOP8W	FLASH	1
ESP8266-WROOM-02		U6	ESP-WROOM-02	ESP8266-WROOM-02	1
AMS1117/3.3		U7	LC-SOT-223	AMS1117	1
DS3231M		U8	LC-SOP-8_150mil	RTC_DS3231M	1
Quectel L80-R		U9	L80-R_GPS	GPS_L80-R	1
TYPEC+USB2.0		USB		Type-C-L	1
8Mhz	Crystal Oscillator	Y1	XTAL_HC-49/U	XTAL	1