





Comment	Description	Designator	Footprint	LibRef	Quantity
Buzzer small	5-12v small buzzer (12mm)	Buzzer	BZU1	Buzzer	1
22pF	Capacitor (Semiconductor SIM Model)	C1, C2	RESC2012L	Cap Semi	2
100nF	Capacitor (Semiconductor SIM Model)	C3, C4, C5, C7, C9, C11, C12, C13	RESC2012L	Cap Semi	8
100uF	Capacitor	C6, C8, C10	CAP-POL	Cap2	3
1N4148	Default Diode	D1	MELF	Diode	1
1n4148	Silicon Zener Diode	D2, D6	DL-35	DL5233B	2
red	Typical BLUE SIC LED	D3, D5	LED-805-GREEN	LED3	2
red	Typical BLUE SIC LED	D7	LED-805-RED	LED3	1
red	Typical BLUE SIC LED	D8	LED-805-BLUE	LED3	1
red	Typical BLUE SIC LED	D9	LED-805-WHITE	LED3	1
100uH	Semiconductor Resistor	F1, F2	RESC2012L	Res Semi	2
Mulex4Pin-1.25mm		I2C	DIP4MULEX-1.25mm	Mulex4Pin-1.25mm	1
DC_Jack	DC_Jack	J-PWR1	DC-jack	DC_Jack	1
MiniUSB	USB 2.0, Right Angle, SMT, B Type, Receptacle, 5 Position, Black	J-USB	Mini-USB	440247-1	1
Mulex5Pin-1.25mm		JPX	DIP5MULEX-1.25mm	Mulex5Pin-1.25mm	1
Dy_RX	Header, 4-Pin	P1, P2, P3, P4	MOLEX4PIN-DXL	Header 4	4
Dy_AX	Header, 3-Pin	P5, P6, P7, P8	MOLEX3PIN-DXL	Header 3	4
Mulex6Pin-1.25mm		PX1, PX2	DIP6Mulex-1.25mm	Mulex6Pin-1.25mm	2
PMOS-2	P-Channel Power MOSFET	Q1	SOT-23	PMOS-2	1
1.5K	Semiconductor Resistor	R1, R6, R8, R9, R11, R14, R17, R18, R19	RESC2012L	Res Semi	9
10K	Low Ohmic Value Thick Film Chip Resistor, 0.1 Ohm to 0.2 Ohm Range, 1% 2%and 5% Tolerance, 0805 Size, 0.125 W, Semiconductor Resistor	R2, R7, R12, R13, R16	RESC2012L	ERJ6RS, Res Semi	5
220R	Semiconductor Resistor	R3	RESC2012L	Res Semi	1
100R	Semiconductor Resistor	R4, R5	RESC2012L	Res Semi	2
	Resistor	R15	RESC2012L	Res1	1
SWITCH-MINI		SW1, SW2, SW3	SWx2p	SWITCH-MINI	3
Mulex4Pin-2.0mm		TTL-PORT2	DIP4MULEX-2.0MM	Mulex4Pin-2.0mm	1
STM32F103CBT6	STM32 ARM-based 32-bit MCU with 128 Kbytes Flash, 48-pin LQFP, Industrial Temperature	U1	LQFP48_M	STM32F103CBT6	1
MAX485CSA	Low-Power, Slew-Rate-Limited RS-485/ RS-422 Transceiver	U2	NSO8_N	MAX485CSA	1
M74HC126M1R	Quad Bus Buffer (3-State)	U3	SO14_N	M74HC126M1R	1
MC74HC04AD	Hex Inverter	U4	751A-02_N	MC74HC04AD	1
78L05	Voltage Regulator	VR1	TO254P1510-3_4M	Volt Reg	1
3v3		VR3v3	Reg1117-3v3	Reg1117	1
8.00MHz	Crystal	Y1	Crystal-DIP	CRYSTAL	1