



Comment	Description	Designator	Footprint	LibRef	Quantity
Buzzer small	5-12v small buzzer (12mm)	Buzzer	BZU1	Buzzer	
22pF	Capacitor (Semiconductor SIM Model)	C1, C2	RESC2012L	Cap Semi	
100nF	Capacitor (Semiconductor SIM Model)	C3, C4, C5, C7, C9, C11, C12, C13	RESC2012L	Cap Semi	
100uF	Capacitor	C6, C8, C10	CAP-POL	Cap2	
1N4148	Default Diode	D1	MELF	Diode	
1n4148	Silicon Zener Diode	D2, D6	DL-35	DL5233B	
red	Typical BLUE SiC LED	D3, D5	LED-805-GREEN	LED3	
red	Typical BLUE SiC LED Typical BLUE SiC	D7	LED-805-RED	LED3	
red	LED Typical BLUE SiC	D8	LED-805-BLUE	LED3	
red	LED Semiconductor	D9	LED-805-WHITE	LED3	
100uH	Resistor	F1, F2	RESC2012L DIP4MULEX-	Res Semi	
Mulex4Pin-1.25mm		I2C	1.25mm	Mulex4Pin-1.25mm	
DC_Jack MiniUSB	DC_Jack USB 2.0, Right Angle, SMT, B Type, Receptacle, 5 Position. Black	J-PWR1	DC-jack Mini-USB	DC_Jack 440247-1	
Mulex5Pin-1.25mm		JPX	DIP5MULEX- 1.25mm	Mulex5Pin-1.25mm	
Dy_RX	Header, 4-Pin	P1, P2, P3, P4	MOLEX4PIN-DXL	Header 4	
Dy_AX	Header, 3-Pin	P5, P6, P7, P8	MOLEX3PIN-DXL	Header 3	
Mulex6Pin-1.25mm	ricadei, o i iii	PX1, PX2	DIP6Mulex-1.25mm	Mulex6Pin-1.25mm	
PMOS-2	P-Channel Power MOSFET	Q1	SOT-23	PMOS-2	
1.5K	Semiconductor Resistor	R1, R6, R8, R9, R11, R14, R17, R18, R19	RESC2012L	Res Semi	
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	
0000	Semiconductor	D2	DE0000401	Dan Carri	
220R	Resistor Semiconductor	R3	RESC2012L	Res Semi	
100R	Resistor	R4, R5	RESC2012L	Res Semi	
	Resistor	R15	RESC2012L	Res1	
SWITCH-MINI		SW1, SW2, SW3	SWx2p	SWITCH-MINI	
Mulex4Pin-2.0mm		TTL-PORT2	DIP4MULEX- 2.0MM	Mulex4Pin-2.0mm	
STM32F103CBT6	STM32 ARM-based 32-bit MCU with 128 Kbytes Flash, 48-pin LQFP, Industrial Temperature Low-Power, Siew- Rate-Limited RS-	U1	LQFP48_M	STM32F103CBT6	
MAX485CSA	485/ RS-422 Transceiver	U2	NSO8_N	MAX485CSA	
M741104001445	Quad Bus Buffer (3-	112	0044 N	MZALIOACCEASE	
M74HC126M1R MC74HC04AD	State) Hex Inverter	U3 U4	SO14_N 751A-02_N	M74HC126M1R MC74HC04AD	
			T0054D4=:	V # B	
				Volt Reg	ı
78L05	Voltage Regulator	VR1	TO254P1510-3_4M	-	
78L05 3v3	Voltage Regulator	VR1 VR3v3	Reg1117-3v3	Reg1117	