



Comment	Description	Designator	Footprint	LibRef	Quantity
Cap	Capacitor	C1, C2	0805	Cap	2
Cap Pol2	Polarized Capacitor (Axial)	C3, C4, C5, C8, C9	C1206	Cap Pol2	5
104	Capacitor	C6, C7	0805	Cap	2
LED1	Typical RED GaAs LED	D1, D2	led0805	LED1	2
LED2	Typical RED, GREEN, YELLOW, AMBER GaAs LED	D3, D4, D5, D6, D7, D8, D9, D10	led0805	LED2	8
Header 8	Header, 8-Pin	JP1, JP2, JP3, JP4	HDR1X8	Header 8	4
Header 6X2	Header, 6-Pin, Dual row	JP5	HDR2X6	Header 6X2	1
Header 4X2	Header, 4-Pin, Dual row	JP6	HDR2X4	Header 4X2	1
Header 4	Header, 4-Pin	JP7	HDR1X4	Header 4	1
Header 3	Header, 3-Pin	JP8	HDR1X3	Header 3	1
MICRO USB	Header, 5-Pin	P1	Micro_USB	Header 5	1
Header 3	Header, 3-Pin	P2	SWITCH	Header 3	1
COAX-M	RF Coaxial PCB Connector, MMCX; Thru-Hole, Vertical Mount Plug, 50 Ohm Impedance	P3	SMA-F	COAX-M	1
Res2	Resistor	R1, R3, R4, R6, R7, R9, R10, R11, R12, R13, R14, R19	0805	Res2	12
NTC	Variable Resistor	R2	HDR1X2	Res Adj2	1
RPot	Potentiometer	R5, R8	3362P	RPot	2
RPot	Potentiometer	R15, R20, R21, R22	WH06	RPot	4
103		RP1, RP2, RP3, RP4, RP5, RP6	RP	RP	6
SW-PB	Switch	S1, S2, S3	SW6MM*3MM	SW-PB	3
LM324AD	Quad Low-Power Operational Amplifier	U1	751A-02_N	LM324AD	1
PCF8591		U2	PCF8591	PCF8591	1
AT89C52		U3	LQF44	STC12C5A60S2	1
18B20		U4	HDR1X3	18B20	1
1602		U6	HDR1X16	1602	1
LM1117IMP-3.3	800mA Low-Dropout Linear Regulator	U7	MP04A_N	LM1117IMP-3.3	1
11.0592M	Crystal Oscillator	Y1	XTAL	XTAL	1