

Comment	Description	Designator	Footprint	LibRef	Quantity
47uF	47 $\mu$ F $\pm$ 20% 10V Ceramic Capacitor XSR 0805 (2012 Metric)	C1, C2	C0805	CAP	2
4.7uF	4.7 $\mu$ F $\pm$ 10% 50V Ceramic Capacitor X7R 0805 (2012 Metric)	C3, C5	C0805	CAP	2
0.1uF	0.1 $\mu$ F $\pm$ 10% 100V Ceramic Capacitor X7R 0805 (2012 Metric)	C4, C6	C0805	CAP	2
1uF	1 $\mu$ F $\pm$ 5% 16V Ceramic Capacitor X7R 0805 (2012 Metric)	C7	C0805	CAP	1
2.2uF	2.2 $\mu$ F $\pm$ 5% 16V Ceramic Capacitor X7R 0805 (2012 Metric)	C8	C0805	CAP	1
Blue Led 0805	Blue 470nm LED Indication - Discrete 3.2V 0805 (2012 Metric)	D1	LED 0805	LED GREEN 0805	1
12401598E4#2A	USB-C (USB TYPE-C) USB 3.2 Gen 2 (USB 3.1 Gen 2, Superspeed + (USB 3.1)) Receptacle Connector 24 Position Surface Mount, Right Angle; Through Hole	J1	AMPHENOL_1240159 8E4#2A	12401598E4#2A	1
MPT 0.5/ 6-2.54	6 Position Wire to Board Terminal Block Horizontal with Board 0.100" (2.54mm) Through Hole	J2	1725698	691322110006	1
Jumper 0.1" 1x2 Black	2 (1 x 2) Position Shunt Connector Open Top, Grip 0.100" (2.54mm) Gold	JS1, JS2, JS3	BERG-M-2V	Jumper 2	3
BSS64LT1G	Bipolar (BJT) Transistor NPN 80 V 100 mA 60MHz 225 mW Surface Mount SOT-23-3 (TO-236)	Q1, Q2	SOT-23	TR-NPN-BC817-SOT23	2
180R	180 Ohms $\pm$ 1% 0.25W, 1/4W Chip Resistor 0805 (2012 Metric) Anti-Sulfur Thin Film	R1	R0805	RESISTOR	1
21K	21 kOhms $\pm$ 1% 0.125W, 1/8W Chip Resistor 0805 (2012 Metric) Moisture Resistant Thick Film	R2	R0805	RESISTOR	1
1K07	1.07 kOhms $\pm$ 1% 0.125W, 1/8W Chip Resistor 0805 (2012 Metric) Automotive AEC-Q200 Thick Film	R3	R0805	RESISTOR	1
48K7	48.7 kOhms $\pm$ 1% 0.125W, 1/8W Chip Resistor 0805 (2012 Metric) Moisture Resistant Thick Film	R4	R0805	RESISTOR	1
5K1	5.1 kOhms $\pm$ 1% 0.125W, 1/8W Chip Resistor 0805 (2012 Metric) Moisture Resistant Thick Film	R5, R6	R0805	RESISTOR	2
10K	10 kOhms $\pm$ 1% 0.125W, 1/8W Chip Resistor 0805 (2012 Metric) Automotive AEC-Q200 Thick Film	R7, R10	R0805	RESISTOR	2
CMC 370MA 2LN 900HM SMD AEC- Q200	2 Line Common Mode Choke Surface Mount 90 Ohms @ 100 MHz 370mA DCR 300mOhm	T1	744232090	USB EMI FILTER	1
USB ESD protection	Clamp Ipp Tvs Diode Surface Mount SOT- 143	U1	SOT143-4	USB2_0_TV5_DIODES	1
CP2102N A02- GQFN28R	USB Bridge, USB to UART USB 2.0 UART Interface 28-QFN (5x5)	U2	QFN50P500X500X80, HS-29N CP2102N	CP2102N QFN28	1
3.3V 600mA PMIC	Linear Voltage Regulator IC Positive Fixed 1 Output 600mA TSOT-23-5	U3	SOT94P280X100-5N	RT9080-33GJ5	1