

Description	Designator	Quantity	Index	Manufacturer	Manufacturer P/N	Supplier	Supplier P/N	Supplier P/N (CT)	Value
47 µF ±20% 10V Ceramic Capacitor X5R 0805 (2012 Metric)	C1, C2	2	1, 2	Murata Electronics	GRM21BR61A476ME15L	Digikey	490-9961-2-ND	490-9961-1-ND	47uF
4.7 µF ±10% 50V Ceramic Capacitor X7R 0805 (2012 Metric)	C3, C5	2	3, 5	TDK Corporation	C2012X7R1H475K125AC	Digikey	445-C2012X7R1H475K125ACTR-ND	445-C2012X7R1H475K125ACCT-ND	4.7uF
0.1 µF ±10% 100V Ceramic Capacitor X7R 0805 (2012 Metric)	C4, C6	2	4, 6	Murata Electronics	GCM21BR72A104KA37L	Digikey	490-4789-2-ND	490-4789-1-ND	0.1uF
1 µF ±5% 16V Ceramic Capacitor X7R 0805 (2012 Metric)	C7	1	7	KEMET	C0805C105J4RAC7800	Digikey	399-C0805C105J4RAC7800TR-ND	399-C0805C105J4RAC7800CT-ND	1uF
2.2 µF ±5% 16V Ceramic Capacitor X7R 0805 (2012 Metric)	C8	1	8	KEMET	C0805C225J4REC7800	Digikey	399-C0805C225J4REC7800TR-ND	399-C0805C225J4REC7800CT-ND	2.2uF
Blue 470nm LED Indication - Discrete 3.2V 0805 (2012 Metric)	D1	1	9	Würth Elektronik	150080BS75000	Digikey	732-4982-2-ND	732-4982-1-ND	Blue Led 0805
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	1	10	Amphenol ICC (Commercial Products)	12401598E4#2A	Digikey	12401598E4#2ATR-ND	12401598E4#2ACT-ND	CONN RCP USB3.1 TYPEC 24P SMD RA
6 Position Wire to Board Terminal Block Horizontal with Board 0.100" (2.54mm) Through Hole	J2	1	11	Phoenix Contact	1725698	Digikey	277-1277-ND	277-1277-ND	MPT 0,5/ 6-2,54
Bipolar (BJT) Transistor NPN 80 V 100 mA 60MHz 225 mW Surface Mount SOT-23-3 (TO-236)	Q1, Q2	2	12, 13	onsemi	BSS64LT1G	Digikey	BSS64LT1GOSTR-ND	BSS64LT1GOSCT-ND	BSS64LT1G
180 Ohms ±1% 0.25W, 1/4W Chip Resistor 0805 (2012 Metric) Anti-Sulfur Thin Film	R1	1	14	Stackpole Electronics Inc	RNCP0805FTD180R	Digikey	RNCP0805FTD180RTR-ND	RNCP0805FTD180RCT-ND	180R
21 kOhms ±1% 0.125W, 1/8W Chip Resistor 0805 (2012 Metric) Moisture Resistant Thick Film	R2	1	15	YAGEO	RC0805FR-0721KL	Digikey	311-21.0KCRTR-ND	311-21.0KCRCT-ND	21K
1.07 kOhms ±1% 0.125W, 1/8W Chip Resistor 0805 (2012 Metric) Automotive AEC-Q200 Thick Film	R3	1	16	Vishay Dale	CRCW08051K07FKEA	Digikey	541-1.07KCTR-ND	541-1.07KCCT-ND	1K07
48.7 kOhms ±1% 0.125W, 1/8W Chip Resistor 0805 (2012 Metric) Moisture Resistant Thick Film	R4	1	17	YAGEO	RC0805FR-0748K7L	Digikey	311-48.7KCRTR-ND	311-48.7KCRCT-ND	48K7
5.1 kOhms ±1% 0.125W, 1/8W Chip Resistor 0805 (2012 Metric) Moisture Resistant Thick Film	R5, R6	2	18, 19	YAGEO	RC0805FR-075K1L	Digikey	311-5.10KCRTR-ND	311-5.10KCRCT-ND	5K1
10 kOhms ±1% 0.125W, 1/8W Chip Resistor 0805 (2012 Metric) Automotive AEC-Q200 Thick Film	R7, R10	2	20, 21	Stackpole Electronics Inc	RMCF0805FT10K0	Digikey	RMCF0805FT10K0TR-ND	RMCF0805FT10K0CT-ND	10K
2 Line Common Mode Choke Surface Mount 90 Ohms @ 100 MHz 370mA DCR 300mOhm	T1	1	22	Würth Elektronik	744232090	Digikey	732-1469-2-ND	732-1469-1-ND	CMC 370MA 2LN 90OHM SMD AEC-Q200
Clamp Ipp Tvs Diode Surface Mount SOT-143	U1	1	23	Diodes Incorporated	DRTR5V0U2SR-7	Digikey	DRTR5V0U2SR-7DITR-ND	DRTR5V0U2SR-7DICT-ND	USB ESD protection
USB Bridge, USB to UART USB 2.0 UART Interface 28-QFN (5x5)	U2	1	24	Silicon Labs	CP2102N-A02-GQFN28R	Digikey	336-5890-2-ND	336-5890-1-ND	CP2102N-A02-GQFN28R
Linear Voltage Regulator IC Positive Fixed 1 Output 600mA TSOT-23-5	U3	1	25	Richtek USA Inc.	RT9080-33GJ5	Digikey	1028-1509-2-ND	1028-1509-1-ND	3.3V 600mA PMIC