

Designator	Quantity	Manufacturer	Manufacturer P/N	Supplier	Value	Description	Comment	Supplier P/N (Cut Tape)	Supplier P/N (Tape & Reel)
C1, C2	2	Murata Electronics	GRM21BR61A476ME15L	Digikey	47uF	47 µF ±20% 10V Ceramic Capacitor X5R 0805 (2012 Metric)	47uF	490-9961-1-ND	490-9961-2-ND
C3, C5	2	TDK Corporation	C2012X7R1H475K125AC	Digikey	4.7uF	4.7 µF ±10% 50V Ceramic Capacitor X7R 0805 (2012 Metric)	4.7uF	445-C2012X7R1H475K125ACCT-ND	445-C2012X7R1H475K125ACTR-ND
C4, C6	2	Murata Electronics	GCM21BR72A104KA37L	Digikey	0.1uF	0.1 µF ±10% 100V Ceramic Capacitor X7R 0805 (2012 Metric)	0.1uF	490-4789-1-ND	490-4789-2-ND
C7	1	KEMET	C0805C105J4RAC7800	Digikey	1uF	1 µF ±5% 16V Ceramic Capacitor X7R 0805 (2012 Metric)	1uF	399-C0805C105J4RAC7800CT-ND	399-C0805C105J4RAC7800TR-ND
C8	1	KEMET	C0805C225J4REC7800	Digikey	2.2uF	2.2 µF ±5% 16V Ceramic Capacitor X7R 0805 (2012 Metric)	2.2uF	399-C0805C225J4REC7800CT-ND	399-C0805C225J4REC7800TR-ND
D1	1	Würth Elektronik	150080BS75000	Digikey	Blue Led 0805	Blue 470nm LED Indication - Discrete 3.2V 0805 (2012 Metric)	Blue Led 0805	732-4982-1-ND	732-4982-2-ND
D2, D3	2	Würth Elektronik	824021	Digikey	7V TVS	7V Clamp 15A (8/20µs) 1pp Tvs Diode Surface Mount SOT-23-3	7V TVS	732-4468-1-ND	732-4468-2-ND
J1	1	Amphenol ICC	12401598E4#2A	Digikey	CONN RCP USB3.1 TYPEC 24P SMD RA	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	12401598E4#2A	12401598E4#2ACT-ND	12401598E4#2ATR-ND
J2	1	Phoenix Contact	1725698	Digikey	MPT 0,5/ 6-2,54	6 Position Wire to Board Terminal Block Horizontal with Board 0.100" (2.54mm) Through Hole	MPT 0,5/ 6-2,54	277-1277-ND	277-1277-ND
JS1, JS2, JS3, JS4	4	Sullins Connector Solutions	NPC02SXON-RC	Digikey	Jumper 0.1" 1x2 Black	2 (1 x 2) Position Shunt Connector Open Top, Grip 0.100" (2.54mm) Gold	Jumper 0.1" 1x2 Black	S9341-ND	S9341-ND
Q1, Q2	2	onsemi	BSS64LT1G	Digikey	BSS64LT1G	Bipolar (BJT) Transistor NPN 80 V 100 mA 60MHz 225 mW Surface Mount SOT-23-3 (TO-236)	BSS64LT1G	BSS64LT1GOSCT-ND	BSS64LT1GOSTR-ND
R1	1	Stackpole Electronics Inc	RNCP0805FTD180R	Digikey	180R	180 Ohms ±1% 0.25W, 1/4W Chip Resistor 0805 (2012 Metric) Anti-Sulfur Thin Film	180R	RNCP0805FTD180RCT-ND	RNCP0805FTD180RTR-ND
R2	1	YAGEO	RC0805FR-0721KL	Digikey	21K	21 kOhms ±1% 0.125W, 1/8W Chip Resistor 0805 (2012 Metric) Moisture Resistant Thick Film	21K	311-21.0KCRCT-ND	311-21.0KCRTR-ND
R3	1	Vishay Dale	CRCW08051K07FKEA	Digikey	1K07	1.07 kOhms ±1% 0.125W, 1/8W Chip Resistor 0805 (2012 Metric) Automotive AEC-Q200 Thick Film	1K07	541-1.07KCCT-ND	541-1.07KCTR-ND
R4	1	YAGEO	RC0805FR-0748K7L	Digikey	48K7	48.7 kOhms ±1% 0.125W, 1/8W Chip Resistor 0805 (2012 Metric) Moisture Resistant Thick Film	48K7	311-48.7KCRCT-ND	311-48.7KCRTR-ND
R5, R6	2	YAGEO	RC0805FR-075K1L	Digikey	5K1	5.1 kOhms ±1% 0.125W, 1/8W Chip Resistor 0805 (2012 Metric) Moisture Resistant Thick Film	5K1	311-5.10KCRCT-ND	311-5.10KCRTR-ND
R7, R10	2	Stackpole Electronics Inc	RMCF0805FT10K0	Digikey	10K	10 kOhms ±1% 0.125W, 1/8W Chip Resistor 0805 (2012 Metric) Automotive AEC-Q200 Thick Film	10K	RMCF0805FT10K0CT-ND	RMCF0805FT10K0TR-ND
T1	1	Würth Elektronik	744232090	Digikey	CMC 370MA 2LN 90OHM SMD AEC-Q200	2 Line Common Mode Choke Surface Mount 90 Ohms @ 100 MHz 370mA DCR 300mOhm	CMC 370MA 2LN 90OHM SMD AEC-Q200	732-1469-1-ND	732-1469-2-ND
U1	1	Diodes Incorporated	DRTR5V0U2SR-7	Digikey	USB ESD protection	Clamp 1pp Tvs Diode Surface Mount SOT-143	USB ESD protection	DRTR5V0U2SR-7DICT-ND	DRTR5V0U2SR-7DITR-ND
U2	1	Silicon Labs	CP2102N-A02-GQFN28R	Digikey	CP2102N-A02-GQFN28R	USB Bridge, USB to UART USB 2.0 UART Interface 28-QFN (5x5)	CP2102N-A02-GQFN28R	336-5890-1-ND	336-5890-2-ND
U3	1	Richtek USA Inc.	RT9080-33GJ5	Digikey	3.3V 600mA PMIC	Linear Voltage Regulator IC Positive Fixed 1 Output 600mA TSOT-23-5	3.3V 600mA PMIC	1028-1509-1-ND	1028-1509-2-ND