





Line #	Description	Designator	Quantity	Manufacturer 1	Manufacturer Part Number 1	Supplier 1	Supplier Part Number 1	Supplier Unit Price 1	Supplier Subtotal 1
1	CAPCER 0.1UF 50V X7R 0603	C1-C3, C5-C7, C9-C12, C	21	Murata	GCJ188R71H104KA12D	Digi-Key	490-5798-1-ND	0.21	4.41
2	CAP CER 1UF 25V X7R 0603	C 4, C8	2	Murata	GCM188R71E105KA64D	Digi-Key	490-10673-1-ND	0.31	0.62
3	CAPCER 4.7UF 25V X7S 0805	C 13, C 15, C 18-C21	6	Murata	G C M 21BC 71E475KE36L	D igi-Key	490-14435-1-ND	0.49	2.94
4	CAP CER 10UF 10V X7R 0805	C17	1	Murata	GCM21BR71A106KE22K	Digi-Key	490-14531-1-ND	0.62	0.62
5	TVS DIODE 5.5VWM 13VC SOT563	D1-D3	3	Littelfuse	SP1001-05XTG	Digi-Key	F 2898CT-ND	0.6	1.8
6	Conn D-Subminiature SKT 9 POS 2.74m	'J1	1	Amphenol ICC	D09S33E6GX00LF	Digi-Key	609-6160-ND	1.43	1.43
7	Header, 6-Pin	J2	1						
8	Conn USB F 4 POS 2.5mm Solder RA Th	J3	1	Samtec	USBR-B-S-F-O-TH	Digi-Key	SAM 10873-ND	1.18	1.18
9	Header, 3-Pin, Dual row	J4	1						
10	Header, 5-Pin	J5	1						
11	Header, 3-Pin	J6	1						
12	Header, 9-Pin	J7	1						
13	FIXED IND 6.8UH 1.45A 117.6 MOHM	L1	1	Taiyo Yuden	NRS4018T6R8MDGJ	Digi-Key	587-2894-1-ND	0.29	0.29
14	LED Uni-Color Red, 62.5 mW, 5 V, -30 to	LE D1	1	Everlight	19-21SURC/S530-A2/TR8				
15	RES SMD 33 O HM 5% 1/10W 0603	R1-R7	7	Yageo	RC 0603JR-0733RL	Digi-Key	311-33GRCT-ND	0.02	0.2
16	RES SMD 4.7K O HM 1% 1/4W 1206	R8	1	Yageo Phycomp	RC 1206FR-074K7L	Digi-Key	311-4.70KFRCT-ND	0.1	0.1
17	RES SMD 100K O HM 5% 1/10W 0603	R9-R16, R19	9	Yageo	RC 0603JR-07100KL	Digi-Key	311-100KGRCT-ND	0.02	0.2
18	RES SMD 0 O HM JUMPER 1/10W 0603	R17, R18, R22	3	Yageo	RC 0603JR-070RL	D igi-Key	311-0.0GRCT-ND	0.022	0.22
19	RES SMD 4.7K O HM 5% 1/10W 0603	R20, R21	2	Yageo	RC 0603JR-074K7L	Digi-Key	311-4.7KGRCT-ND	0.1	0.2
20	Single Buffer Gate, DBV 0005A, LARGE T	U1	1	Texas Instrument	SN74LVC1G34DBVR	Newark	01J0787	0.113	0.113
21	IC TRNSLTR BIDIRECTIONAL 24TSSOP	U2	1	Texas Instrument	SN 74LV C8T245PWR	Digi-Key	296-18593-1-ND	1.05	1.05
22	IC USB POS OVP/OCP 5TSOP	U3	1	ON Semiconducto	rNCP361SNT1G	Digi-Key	NCP361SNT1GOSCT-ND	0.73	0.73
23	ARM Cortex-M0 32-bit MCU, 16 KB Flash		1	STMicroelectronic	STM 32F042F4P6	Farnell	2469548	2.07	2.07
24	Low-Power Quad-Channel Digital Isolato		1	Silicon Labs	S18642EC-B-IS1	Mouser	634-S18642EC-B-IS1	3	3
25	5 V dc, 0.2 A, 1 W, 4.5 ~ 5.5 V dc Input Ra	U6	1	CUI	PEME1-S5-S5-S	D igi-Key	102-6337-ND	2.29	2.29
26	250 mA, 16V, Low Quiescent Current LD	U7, U8	2	Microchip	MCP1703T-3302E/DB	Digi-Key	MCP1703T-3302E/DBDK	0.64	1.28
27	IC FPGA 21 I/O 32QFN	U9	1	Lattice Semicondu	LC M XO 2-256HC-4SG32C	Digi-Key	220-2636-ND	3.24	3.24
	Miniature C eramic C ry stal, 8 MHz, -40 to		1	A bracon	A BM 3-8.000MHZ-D2Y-T	Future Electr	A BM 3-8.000MH Z-D2Y-T-(0.67	0.67
28	CMOS Crystal Oscillatorl, 3.3 V, 25 MHz	X2	1	Seiko	Q 33310F70055100				