

Power Board Parts List

Order	Price	Qty	Value	Part #	Device	Parts
x		4			CONN_02PTH4	J5, J6, PWR, SIPM
x		1			PINHD-1X1	JP1
X		1		THERMISTOR?	RESISTORAXIAL-0.3	ZENERD
4	51.64	2	100uH	DN4730-ND Digikey	CHOKE	CHOKE_1, CHOKE_2
25	8.42	3	Ferrite Core Multi-aperture	1934-1307-ND Digikey	U15-CHOKE	L1, L2, L3
10	5.08	1	-L7805	497-1441-5-ND Digikey	-L7805	511-L7805ACVMOUSER
10	1.73	3	0.1uF	399-9870-1-ND Digikey	C-EU025-025X050	C23, C27, C28
30	5.37	5	0.01uF	399-9858-1-ND Digikey	C-EU025-025X050	C2,C4, C13, C19, C20,C25, C26
20	3.62	7	0.01uF	490-5771-1-ND Digikey	C-EUC0603	C29, C30, C33, C34, C35
10	6.91	2	100uF	478-9997-1-ND Digikey	CAP TANT 100uF 20% 16V SMD	C12, C18
10	25.52	1	10k	3310C-0010103L-ND Digikey	POTENTIOMETER	VAR1
0	0	1	10k	CF14JT10K0CT-ND Digikey	10KOHM-HORIZ-1/4W	R11
20	10.48	2	10uF	445-173575-1-ND Digikey	CAP TANT 10UF 20% 25V SMD	C3, C14
10	5.85	1	10uF	399-13950-ND Digikey	C-EU025-025X050	C6
12	116.9	2	150 uF	399-4567-ND Digikey	CAP TANT 150uF 10% 15V TH	C8, C10
0	0	1	158.6 ohm → Changed to 158	158XBK-ND Digikey	RESISTORAXIAL-0.3	R4
0	0	1	18.3 ohm → Changed to 18	CF14JT18R0CT-ND Digikey	RESISTORAXIAL-0.3	R8
0	0	1	1M	CF14JT1M00CT-ND Digikey	RESISTORAXIAL-0.3	R9
40	19.84	6	1uF	399-14394-1-ND Digikey	C-EU025-025X050	C5, C7, C9, C11, C22, C24
20	5	2	2.2uF	445-173575-1-ND Digikey	C-EU050-024x044	C1, C21
0	0	1	2.5k	1135-1593-ND Digikey	RESISTORAXIAL-0.3	R15
0	0	1	20.5k	20.5KXBK-ND Digikey	RESISTORAXIAL-0.3	R10
0	0	1	28k	28.0KXBK-ND Digikey	RESISTORAXIAL-0.3	R13
X	0	1	3.3V	THERMISTOR?	DIODE-ZENER-MM3Z3V3T1G	D1
0	0	1	300k	RNV14FAL300KCT-ND Digikey	RESISTORAXIAL-0.3	R14
0	0	1	49.9 ohm	RNF14FTD49R9CT-ND Digikey	RESISTORAXIAL-0.3	R7
0	0	1	6.81k	6.81KXBK-ND Digikey	RESISTORAXIAL-0.3	R12
0	0	1	74.7k → Changed to 75k	75KQBK-ND Digikey	RESISTORAXIAL-0.3	R16
0	0	1	80.6k	RNF14FTD80KCT-ND Digikey	RESISTORAXIAL-0.3	R17
0	0	1	AD822ANZ	AD822ANZ-ND Digikey	AD822ANZ	U2
7	111.72	1	C6TYPE_TRIM_DC/DC	445-2486-ND Digikey	C6TYPE_TRIM_DC/DC	U\$3
25	89.25	1	LT3571IUDPBF	LT3571IUD#PBF Mouser	LT3571IUDPBF	U1
7	153.23	1	NCS6D1205	811-2316-ND Digikey	NCS6D1205	U\$1
10	7.2	1	POWER_JACK	CP-102AH-ND Digikey	POWER_JACK	J3
10	11.44	1	SRR6603-103ML	SRR6603-103MLCT-ND Digikey	SRR6603-103ML	L7
100	26.25	3	Shield—FERRITE BEAD	535-12742-ND Digikey	RESISTORAXIAL-0.3	R1, R2, R3
0	0	2	Tuning		RESISTORAXIAL-0.3	R5, R18
10	4.55	1	WM403_NDPOWER_JACK	WM4032-ND Digikey	WM403_NDPOWER_JACK	PWR_JACK
1	109.81	1	MC20F-100-ND	MC20F-100-ND Digikey	100m Flat Ribbon Cables	

Total 779.81

(Before Shipping)

Digikey \$690.56

Mouser \$89.25

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Not Ordering