

Micro Current Measurement Adapter

Bill of Material

ID	Qty	Description	Size	Mfr Part	Source (suggested)
U1	1	5V LDO regulator	SOT-23-5	NJM2882F05	Digi-Key 190-NJM2882F05-TE1CT-ND
U2	1	Low power opamp	SOT23-6	MAX4239AUT	Digi-Key MAX4239AUT+TCT-ND
D1	1	Indicator LED	0805	LED	Generic (AliExpress)
D2	1	TVS Diode	SOT23	DLPT05	Digi-Key DLPT05-FDICT-ND
BT1	1	Dual 3V Coin cell	CR2032	3074-2	Digi-Key 36-3074-2-ND
C1	1	10uF capacitor	0805	10uF	Generic (Digi-Key)
C2,C3	2	.1uF capacitor	0805	.1uF	Generic (Digi-Key)
C4	1	.01uF capacitor	0805	.01uF	Generic (Digi-Key)
C5	1	1uF capacitor	0805	1uF	Generic (Digi-Key)
R1	1	1K 1%	0805	1K	Generic (Digi-Key)
R2,R8	2	10K 0.05%	0805	RG2012N-103-W-T1	Digi-Key RG20N10.0KWCT-ND
R3	1	499 Ohm 1%	0805	499 Ohm	Generic (Digi-Key)
R4	1	8.2K 1%	0805	8.2K	Generic (Digi-Key)
R5	1	7.5K 1%	0805	7.5K	Generic (Digi-Key)
R6	1	10 Ohm 0.05%	1206	RNCF1206AKT10R0	Digi-Key RNCF1206AKT10R0CT-ND
R7	1	200 Ohm 1%	0805	200 Ohm	Generic (Digi-Key)
R9	1	1K 0.05%	0805	ERA-6VRW1001V	Digi-Key 10-ERA-6VRW1001VCT-ND
R10	1	75K 0.05%	0805	ERA-6ARW753V	Digi-Key P75KBSCT-ND
R11	1	24K 0.05%	0805	ERA-6ARW243V	Digi-Key P24KBSCT-ND
R12	1	100 1%	0805	100K	Generic (Digi-Key)
SW1	1	Push button	6mm	Tactile button	Generic (AliExpress)
SW2-SW4	4	Slide switch	2mm	OS102011MS2QN1	Mouser 611-OS102011MS2QN1
J1-J4	4	Banana jack	4mm	Banana jack	Generic (AliExpress)
PCB	1	Circuit board	66x86mm	PCB-KC16	Generic (JLPCB)
Enclosure	1	3D printed box	68x88mm	BOX-KC16	Custom
Hardware	4	Heat set inserts	#2		Generic (McMaster)
Hardware	4	Machine screws	#2 x 1/4"		Generic (McMaster)