

PanelPilot meter current sensor bill of materials

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Qty	Value	Ref Des	Description	Manufacturer	Manuf. PN	Vendor	Vendor PN	Comments
3	1uF	C1, C8, C9	1uF capacitor 5mm lead space	Wima	MKS2-1/50/10	Mouser	505-MKS21/50/10	Any other similar is OK
2	1000uF 16V	C2, C5	1000uF 16V electrolytic cap 5mm LS	Nichicon	URZ1C102MHD	Mouser	647-URZ1C102MHD	Any other similar is OK
3	0.1uF	C3, C4, C7	0.1uF ceramic capacitor 0.100 LS	Kemet	C320C104M5R5CA7301	Mouser	80-C320C104M5RCA730	Any other similar is OK
1	47uF 16V	C6	47uF 16V electrolytic cap 2.5mm LS	Nichicon	USA1C470MDD1TP	Mouser	647-USA1C470MDD1TP	Any other similar is OK
2	CSLW6B1	CT1, CT2	Current sensoor	Honeywell	CSLW6B1	Mouser	785-CSLW6B1	
4	1N5817	D1, D2, D3, D4	Schottky rectifier	Any	1N5817	Mouser	625-1N5817-E3/73	
1		HS1	Heatsink	Aavid	581002B02500G	Mouser	532-581002B02500G	
1	HDR7X2	JP1	14-pin ribbon cable header	3M	N2526-6002RB	Mouser	517-N2526-6002RB	Plain pin header OK
2	6.8k	R1, R14	6.81k ohm 1% 1/4W resistor	Vishay	CCF556K81FKE36	Mouser	71-CCF556K81FKE36	Any other similar is OK
6	1k	R2, R3, R5, R11, R12, R13	10k 1% 1/4W resistor	Vishay	CCF5510K0FKE36	Mouser	71-CCF5510K0FKE36	Any other similar is OK
2	200	R6, R8	200 ohm 1/4" timpot	BI Technology	64WR200LF	Mouser	858-64WR200LF	
2	5k	R7, R9	5k ohm 1/4" timpot	BI Technology	64WR5KLF	Mouser	858-64WR5KLF	
1	LM2940-5	U1	LM2940-5 voltage regulator	TI	LM2940CT-5.0/NOPB	Mouser	926-LM2940CT-5.0/NOPB	
1	LM358	U2	Opamp	Any	LM358	Mouser	863-LM358NG	