

PMP5169_REVB BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
2	C1, C2	22uF	Capacitor, Ceramic, 16V, X7R, 20%	1210	C3225X7R1C226MT	TDK
1	C12	2200uF	Capacitor, Aluminum Electrolytic, 6.3V	0.315 inch	6.3V ZL 2200uF 10 X 23	Rubycon
1	C14	47uF	Capacitor, Aluminum, 25V, FC Series	0.200 * 0.435 inch	EEUFC1E470	Panasonic
1	C15	470pF	CAP 250VAC CERAMIC Y2/X1	0.236 x 0.315 inch	ECK-NVS471KB	Panasonic
2	C16, C17	0.047uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H473K	TDK
1	C18	100pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H101K	TDK
1	C3	470uF	Capacitor, Aluminum Electrolytic, 16V	0.315 inch	16V ZL 470uF 10 X 12.5	Rubycon
3	C4, C13, C19	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H104K	TDK
1	C5	33uF	Capacitor, Aluminum, 400V	0.571 inch	EEUEB2G330	Panasonic
1	C6	0.01uF	Capacitor, Polyester Film, 250V, 10%	0.311 x 0.213 inch	ECQ-E2103KB	Panasonic
1	C7	0.22 uF	Capacitor, Film, 250VAC, 20%	0.689 x 0.217	ECQU2A224MV	Panasonic
4	C8, C9, C10, C11	47uF	Capacitor, Ceramic, 6.3V, X5R, 20%	1210	C3225X5R0J476MT	TDK
1	D1	B1100-13-F	Diode, Schottky, 1-A, 60-V	SMA	B1100-13-F	Diodes, Inc.
1	D100	9.1V	Diode, Zener, 9.1V	SOD-123	MMSZ4696T1	On Semi
1	D2	MURA160T3	Diode, Rectifier, 1A, 600V	SMA	MURA160T3	ON Semiconductor
1	D3	DF04S	Bridge Rectifier, 400V, 1A, SMD	DF-S	DF04S	Diodes
1	D4	MBR30H30CTG	Diode, Dual Schottky, 30A, 30V	TO220	MBR30H30CTG	ON Semi
1	D5	MMSD914	Diode, Switching, 100-V, 200-mA, 225-mW	SOD-123	MMSD914T1	On Semi
1	F1	2A	Fuse, TR5 Series, 2A, 250V	0.335	3701200041	Wickmann
1	HS1	504102B00000	Heatsink, TO-220 Vertical-mount,	0.700 x 0.850 inch	504102B00000	Thermalloy
2	J1, J2		Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25"	ED1514	OST
1	L1	2.8mH	Inductor, 0.5A, 1ohm	0.433 x 0.670 inch	UU9.8V-282LF	GCI
1	L2	4.7uH	Inductor, Power, 4.2A, 24 milli-Ohms	0.350 x 0.300 inch	RFB0807-4R7L	Coilcraft
1	Q1	FQU5N60C	MOSFET, N-ch, 600V, 2.8A, 2.5 ohm	DPAK	FQU5N60C	Fairchild
2	R1, R3	0.22	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R100	301	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R101	100	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R11	34.8k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R12	6.04k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R13	1.74k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R14	0.82	Resistor, 1/4W, 5%	1210	Std	Std
1	R2	100k	Resistor, Chip, 1-W, 5%	2512	Std	Std
2	R4, R5	499k	Resistor, 1/4 watt, 5%	1206	Std	Std
1	R6	10	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R7	121k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R8	1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R9, R10	10k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	RT1	5 Ohms	Thermistor, NTC, 5 Ohms, 5-A	0.590 x 0.276	CL-150	GE Thermometrics
1	T1	1.1 mH	Transformer, Flyback	22.50 x 23.50 mm	G094265LF	GCI
4	TP1, TP2, TP4, TP5	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
2	TP3, TP6	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
1	U1	UCC28600D	IC, Quasi-Resonant Flyback Green Mode Controller	SO8	UCC28600D	Texas Instruments
1	U2	H11A817A	IC, Optocoupler, 5300-V, 80-160% CTR	0.380 x 0.180 inch	H11A817A	Fairchild
1	U3	TLV431A	IC, Low-Voltage Adjustable Shunt Regulator	SOT23-3	TLV431AIDBZ	TI

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