

PMP4820_REVB BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
1	C1	1000pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H102K	TDK
1	C11	1000uF	Capacitor, Aluminum Electrolytic, 25V	0.315 inch	16V ZL 1000uF 10 X 20	Rubycon
1	C12	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H104K	TDK
1	C13	27uF	Capacitor, Aluminum Electrolytic, 25V	0.200 * 0.435 inch	25V ZL 27uF 5 X 11	Rubycon
2	C14, C16	100pF	Capacitor, Ceramic, 50V, C0G, 5%	0603	C1608C0G1H101J	TDK
1	C15	0.047uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H473K	TDK
2	C17, C19	0.1uF	Capacitor, Ceramic, 25V, X7R, 15%	0603	C1608X7R1E104K	TDK
1	C18	1uF	Capacitor, Ceramic, 16V, X7R, 20%	0603	C1608X7R1C105M	TDK
1	C2	1500pF	CAP, CERM DISC Y1, 250Vac, 20%	.500 X .310	ECKDNA152ME	Panasonic
2	C3, C5	0.1uF	Capacitor, Film, 275VAC, 20%	0.689 x 0.217 inch	ECQU2A104ML	Panasonic
1	C4	68uF	Capacitor, Aluminum, 400V, 20%	25mm dia * 22mm	ECOS2GP680CL	Panasonic
1	C6	0.01uF	Capacitor, Polyester Film, 250V, 10%	0.311 x 0.213 inch	ECQ-E2103KB	Panasonic
4	C7, C8, C9, C10	22uF	Capacitor, Ceramic, 16V, X7R, 20%	1210	C3225X7R1C226MT	TDK
2	D1, D4	BAS16	Diode, Switching, 75V, 200mA	SOT23	BAS16LT1	On Semiconductor
1	D2	RH06-T	Diode, Bridge, 0.5-A, 600-V	MiniDIP	RH06-T	Diodes
1	D3	US1K-13	Diode, Ultrafast Rectifier, 1A, 800V	SMA	US1K-13	Diodes Inc.
1	D5	BAV99	Diode, Dual Ultra Fast, Series, 200-mA, 70-V	SOT23	BAV99	Fairchild
1	F1	2A	Fuse, TR5 Series, 2A, 250V	0.335	3701200041	Wickmann
1	J1	4300.0097	Connector, 250 VAC, 2.5A Board mount	1.378 x 0.752 inch	4300.0097	Schurter
1	J2	ED1514	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	0.35uH	Inductor, SMT, 25.5A	0.433 x 0.610 inch	PG0220.351NL	Pulse
2	Q1, Q2	MMBT2222A	Bipolar, NPN, 40V, 600mA	SOT23	MMBT2222ALT1	ON Semiconductor
1	Q3	MMBT2907	Bipolar, PNP, 60V, 600mA	SOT23	MMBT2907LT1	On Semiconductor
1	Q4	IRF7855	Transistor, MOSFET, N-Chan, 60V, 9.4milliOhm	SO8	IRF7855	International Rectifier
1	Q5	SPP06N80C3	MOSFET, Nchan, 800V, 6A, 0.9ohm	TO-220AB	SPP06N80C3	Infineon
1	R1	100	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R10, R14	0	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R11, R15	2k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R12, R13	1	Resistor, Chip, 1/4W, 5%	1210	Std	Std
3	R16, R17, R19	10k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R18	16.9k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R2, R3	1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R20	2.61k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R4, R6	499k	Resistor, Chip, 1/8W, 1%	1206	Std	Std
2	R5, R7	51.1k	Resistor, Chip, 1W, 5%	2512	STD	STD
1	R8	10	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R9	69.8k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	T1	PA1005.100NL	Transformer, Current Sense, 100:1	0.284 x 0.330 inch	PA1005.100NL	Pulse
1	T2	86H-9135	Transformer, Custom, Flyback	26.00 x 26.50 mm	86H-9135	Delta
4	TP1, TP2, TP3, TP5	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
1	TP4	5000	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	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	TL431AIDBZ	IC, Precision Adjustable Shunt Regulator	SOT23-3	TL431AIDBZ	TI

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