

PMP6661_REVB BOM

COUNT	RefDes	Value	Description	Size	Part Number	MFR
1	C1	0.047uF	Capacitor, Ceramic, 630V, X7R, 15%	1210	STD	STD
2	C10, C12	1.0 uF	Capacitor, Film, 250V, ±5%	7x15.3 mm	ECQ-E2105KB	Panasonic
1	C11	22uF	Capacitor, Aluminum, 16V, 20%	0.201 x 0.262 inch	EEVFK1C220R	Panasonic
2	C13, C17	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	STD	STD
1	C14	1uF	Capacitor, Ceramic, 16V, X7R, 10%	0603	STD	STD
1	C15	100pF	Capacitor, Ceramic, 50V, C0G, 10%	0603	STD	STD
1	C16	0.047uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	STD	STD
1	C19	0.1uF	CAP .1UF 250/275VAC ECQ-UL	0.689 x 0.236 inch	ECQ-U2A104ML	Panasonic
2	C2, C3	10pF	Capacitor, Ceramic, 100V, C0G, 10%	0603	STD	STD
1	C20	0.01uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	STD	STD
1	C21	1000pF	CAP CER 250VAC 1000PF X7R 1808	1808	Std	Std
1	C34	0.01uF	Capacitor, Ceramic, 100V, X7R, 10%	0603	STD	STD
1	C4	220uF	CAP 220UF 25V ELECT FM RADIAL	8.00 mm Dia	EEU-FM1E221	Panasonic
1	C5	1000pF	Capacitor, Ceramic, 50V, X7R, 15%	0603	STD	STD
1	C6	330pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	STD	STD
1	C7	150uF	CAP 150UF 200V ELECT	16.00 mm Dia	TBD	TBD
1	C8	10uF	Capacitor, Ceramic, 16V, X5R, 15%	1210	STD	STD
1	C9	DNP	Do Not Populate	0603	N/A	N/A
2	D1, D2	10V	Diode, Zener, 10-V, -225-mW	SOT23	MMBZ5240BLT1	ON Semi
1	D10	100V	DIODE ZENER 100V 3W SMB	SMB	1SMB5949BT3G	On Semi
6	D3, D4, D6, D7, D8, D14	MMSD914T1	Diode, Switching, 100-V, 200-mA, 225-mW,	SOD-123	MMSD914T1	On Semi
1	D5	DNP	Do Not Populate	SOT23	N/A	N/A
1	D9	DF02S	DIODE BRIDGE 200V 1.5A 4-SMD	DF-S	DF02S	Fairchild
1	F1	5A/250V	Fuse, TR5 Series Time-lag, 5A, 250V	0.335 inch	37215000001	Littlefuse-Wickmann
1	J1	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED555/2DS	OST
1	L1	330 uH	Inductor, Filter Choke, ±10%	7.80 mm Dia	744731331	WE
1	L2	82 uH	Inductor,Line Choke	12x28 mm	744152	Würth Elektronik
1	L3	2.2mH	CHOKE TOROID 2.2MH 2A VERTICAL	0.433 x 0.670 inch	744822222	Würth
1	L5	1mH	Inductor, SMT Power, 160mA, ±10%	3.20 x4.50 mm	744045102	WE
1	Q1	STD11NM50N	MOSFET N-CH 500V 9A DPAK	DPAK	STD11NM50N	STMicroelectronics
1	Q2	FQD3P50TM	MOSFET P-CH 500V 2.1A DPAK	DPAK	FQD3P50TM	Fairchild
2	Q3, Q5	FCX493TA	Transistor, NPN High Voltage, VCE 100V, IC1A	SOT89	FCX493TA	Zetex

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2	Q4, Q7	IRFH5053	MOSFET N-CH 100V 9.3A PQFN56	TDSON-8	IRFH5053TRPBF	IR
3	R1, R16, R21	0	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R10	75k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
2	R12, R24	2MEG	Resistor, Metal Film, 1/4 watt, 5%	1206	Std	Std
2	R13, R30	4.02k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R14	2.15k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R17	39.0k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R18	6.34k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
2	R19, R23	499k	Resistor, Metal Film, 1/4 watt, 5%	1206	Std	Std
2	R2, R3	4.99k	Resistor, Metal Film, 1/4 watt, 5%	1206	Std	Std
1	R20	20	Resistor, Metal Film, 1/4 watt, 5%	1206	Std	Std
1	R25	0.15	Resistor, Metal Film, 1/4 watt, 5%	1206	Std	Std
1	R36	15k	Resistor, Metal Oxide, 1W, 5%	2512	STD	STD
1	R4	DNP	Do Not Populate	0603	N/A	N/A
5	R5, R11, R15, R22, R26	10k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
2	R6, R8	1k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R7	49.9k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R9	100k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	T1	300 uH	Transformer, Flyback ±20%	0.800 x 1.055 inch	750312270	WE
2	TP2, TP6	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
1	TP3	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
2	TP4, TP5	5012	Test Point, White, Thru Hole	0.125 x 0.125 inch	5012	Keystone
1	U1	UCC2897APW	IC, Current-Mode Active Clamp PWM Controller	PW20	UCC2897APW	TI
1	U3	TL431DBZ	IC, Precision Adjustable Shunt Regulator	SOT23-3	TL431DBZ	TI
1	U4	TCMT1107	IC, Photocoupler	MF4	TCMT1107	Vishay

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