

PMP5761_REVE BOM

COUNT	RefDes	Value	Description	Size	Part Number	MFR
5	C1, C4, C22, C27, C28	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	STD	STD
3	C11, C19, C20	10uF	Capacitor, Ceramic, 16V, X5R, 15%	0805	STD	STD
3	C12, C21, C23	1000pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	STD	STD
1	C13	2.2 uF	Capacitor, Film 305V, 20%	0.433 x 1.240 inch	B32924E3225M	Epcos
1	C15	100uF	Capacitor, Alum Electrolytic 400V, 20%	18.00 mm Dia	EKXG401ELL101MMN3S	United Chemicon
2	C17, C34	100pF	Capacitor, Ceramic, 50V, C0G, 5%	0603	STD	STD
3	C2, C10, C16	330pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	STD	STD
2	C24, C25	0.022uF	CAP .022UF 250VAC METAL POLYPRO	0.236 x 0.709 inch	B32652A0223J	Epcos
1	C3	15uF	Capacitor, Aluminum Electrolytic, 25V	0.248 inch	STD	STD
1	C30	0.47uF	Capacitor, Ceramic, 16V, X7R, 10%	0603	STD	STD
1	C31	220pF	Capacitor, Ceramic, 1kV, C0G	1808	Std	Std
3	C32, C33, C100	0.01uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	STD	STD
4	C35, C37, C38, C39	4.7uF	Capacitor, Ceramic, 50V, X5R, 15%	1210	STD	STD
2	C36, C41	1uF	Capacitor, Ceramic, 50V, X7R, 15%	1206	STD	STD
1	C40	680uF	Capacitor, Aluminum, 35V	12.5*20mm	EEU-FM1V681B	Panasonic
1	C42	1500pF	CAP, CERM DISC Y1, 250Vac, 20%	.500 X .310 inch	ECKDNA152ME	Panasonic
1	C5	4700pF	Capacitor, Ceramic, 630V, 20%	1206	STD	STD
6	C6, C9, C14, C18, C26, C29	1uF	Capacitor, Ceramic, 16V, X7R, 10%	0603	STD	STD
1	C7	18pF	Capacitor, Ceramic, 50V, C0G, 5%	0603	STD	STD
1	C8	220uF	Capacitor, Aluminum Electrolytic, 25V	0.315 inch	25V ZL 220uF 8 X 11	Rubycon
4	D1, D13, D14, D15	BAV99	Diode, Dual Ultra Fast, Series, 200-mA, 70-V	SOT23	BAV99	Diodes
1	D16	STPS20H100CT	Diode, Dual Schottky, 20A, 100V	TO-220	STPS20H100CT	ST Microelectronics
4	D2, D3, D11, D12	MMSD914	Diode, Switching, 100-V, 200-mA, 225-mW,	SOD-123	MMSD914T1	On Semi
1	D4	GBU8J	RECT BRIDGE GPP 8A 600V GBU	0.880 x 0.140 inch	GBU8J-BP	Micro Commercial Co
1	D5	MURA160	Rectifier, SMD Ultrafast Power, 600V 1A	403D	MURA160T3G	On Semi
1	D6	MURS340	DIODE ULTRA FAST 3A 400V SMC	SMC	MURS340T3G	On Semi
1	D7	18V	DIODE ZENER 18V 500MW SOD-123	SOD123	MMSZ5248BT	On Semi
1	D8	DFLU1400	Diode, Super Fast Rectifier, 1A, 400V	PowerDI 123	DFLU1400	Diodes
2	D9, D10	MBR0540	Diode, Schottky, 500-mA, 40-V	SOD123	MBR0540	ON Semi
1	F1	5A/250V	Fuse, TR5 Series Time-lag, 5A, 250V	0.335 inch	37215000001	Littlefuse-Wickmann
1	HS1	287-1AB	Heatsink, TO-220, Vert. 65°C@4W	0.5 x 1.000 inch	287-1AB	Wakefield Eng.
2	HS2, HS3	576802B00000G	Heatsink, TO-220 Vertical-mount,	0.500 x 0.570 inch	576802B00000G	Thermalloy
1	J1	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED555/2DS	OST
1	L1	10uH	Inductor, Power,	0.350 x 0.300 inch	RFB0807-100L	Coilcraft
1	L2	135 uH	Inductor, PFC Choke	1.400 SQ	RLTI-1030	Renco
1	Q1	IPP50R199CP	MOSFET, Nch, 550V, 11A, 0.199 Ohms	TO-220V	IPP50R199CP	Infineon
1	Q3	FQN1N60C	MOSFET, NChan, 600V, 0.3A, 11.5 Ohms	TO-220V	FQN1N60C	Fairchild
2	Q4, Q9	FDD6N50	MOSFET N-CH 500V 6A DPAK	DPAK	FDD6N50TM_WS	Fairchild
2	Q5, Q7	MMBT2222A	TRANSISTOR, NPN, 500mA	SOT-23	MMBT2222A	ON Semi
2	Q6, Q8	MMBT2907A	Transistor, PNP, -60V, -600mA, 225-W	SOT23	MMBT2907ALT1	On Semi
2	R1, R2	0.22	Resistor, 1W, 5%	2512	STD	STD
2	R10, R26	49.9k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R11	15k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
3	R12, R13, R17	560k	Resistor, Chip, 1/16W, 1%	0805	Std	Std
1	R14	8.45k	Resistor, Chip, 1/16W, 1%	0603	STD	STD

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4	R15, R16, R18, R19	40.2k	Resistor, 1/4 watt, 5%	1206	STD	STD
1	R20	100k	Resistor, 1/4 watt, 5%	1206	STD	STD
3	R22, R23, R24	560k	Resistor, 1/4 watt, 5%	1206	STD	STD
1	R25	1.5	Resistor, Chip, 1/16W, 1%	0805	Std	Std
1	R27	2k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
6	R3, R4, R5, R42, R43, R44	330k	Resistor, Chip, 1/16W, 1%	0805	Std	Std
4	R30, R31, R59, R100	100k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R33	68.1k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
3	R34, R67, R68	100k	Resistor, Chip, 1/16W, 1%	0805	Std	Std
1	R35	301k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R39	1MEG	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R40	1k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R41	23.7k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
2	R46, R47	3	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R50	20k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R51	301	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R53	2.94k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R54	4.99k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R58	1.15k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
3	R6, R21, R52	499	Resistor, Chip, 1/16W, 1%	0603	STD	STD
4	R60, R61, R62, R63	4.99k	Resistor, 1/4 watt, 5%	1206	STD	STD
1	R64	1	Resistor, 1/4 watt, 5%	1206	STD	STD
1	R65	0	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R66	80.6k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
3	R7, R28, R49	10	Resistor, Chip, 1/16W, 1%	0603	STD	STD
8	R8, R29, R32, R45, R48, R55, R56, R57	10k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R9	3.01k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	RT1	1 Ohm	CURRENT LIMITER INRSH 1 OHM 20%	7x21 mm	B57364S0109M000	Epcos
1	T1	1 mH	Transformer, Flyback 10%	0.510x0.560 inch	RLTI-1029	Renco
1	T2	300 uH	Transformer, LLC Resonant, ±10%	1.380 x 1.650 inch	RLTI-1005	Renco
1	T3	56P3362	Transformer, Gate Drive	0.453 x 0.492 inch	56P3362	Vitec Electronics
1	TP1	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
2	TP2, TP3	5012	Test Point, White, Thru Hole	0.125 x 0.125 inch	5012	Keystone
2	TP5, TP7	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
1	TP6	5011	Test Point, Black, Thru Hole	0.125 x 0.125 inch	5011	Keystone
1	U1	UCC28051D	IC, Advanced Transistion Mode PFC Controller	SO8	UCC28051D	Texas Instruments
1	U2	UCC28C44D	IC, BiCmos, Low Power Current Mode, PWM Controller	SO8	UCC28C44D	TI
2	U3, U7	TL431DBZ	IC, Precision Adjustable Shunt Regulator	SOT23-3	TL431DBZ	TI
1	U4	LM293AD	IC, Dual Differential Comparators, 2-36 Vin	SO-8	LM293AD	TI
1	U5	UCC25600D	IC, Resonant Mode Controller	SO-8	UCC25600D	TI
1	U6	H11A817A	IC, Optocoupler, 5300-V, 80-160% CTR	0.380 x 0.180 inch	H11A817A	Fairchild

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