

		PMP5807_REV BOM				
COUNT	RefDes	Value	Description	Size	Part Number	MFR
3	C32, C42, C43	22pF	Capacitor, Ceramic, 50V, C0G, 10%	603	Std	Std
1	C22	100pF	Capacitor, Ceramic, 50V, C0G, 10%	603	Std	Std
1	C17	680pF	Capacitor, Ceramic, 16V, X7R, 10%	603	Std	Std
1	C19	1500pF	Capacitor, Ceramic, 50V, C0G, 10%	603	Std	Std
1	C23	0.01uF	Capacitor, Ceramic, 50V, X7R, 10%	603	Std	Std
4	C1, C2, C3, C4	0.01uF	Capacitor, Ceramic, 100V, X7R, 10%	603	Std	Std
2	C18, C21	0.1uF	Capacitor, Ceramic, 16V, X7R, 10%	603	Std	Std
5	C24, C34, C35, C36, C37	1uF	Capacitor, Ceramic, 10V, X5R, 20%	603	Std	Std
1	C6	1000pF	Capacitor, Ceramic, 100V, X7R, 10%	805	Std	Std
4	C7, C11, C28, C29	0.1uF	Capacitor, Ceramic, 100V, X7R, 10%	805	Std	Std
1	C15	1uF	Capacitor, Ceramic, 16V, X7R, 10%	805	Std	Std
1	C30	2.2uF	Capacitor, Ceramic, 16V, X7R, 10%	805	Std	Std
6	C31, C33, C38, C39, C40, C41	10uF	Capacitor, Ceramic, 10V, X5R, 20%	805	Std	Std
1	C16	10uF	Capacitor, Ceramic, 16V, X5R, 20%	1206	C3216X5R1C106M	TDK
2	C9, C10	2.2uF	Capacitor, Ceramic, 100V, X7R, 10%	1210	Std	Std
2	C12, C13	47uF	Capacitor, Ceramic, 6.3V, X5R, 20%	1210	C3225X5R0J476M	TDK
1	C5	1000pF	Capacitor, Ceramic, 2kV, X7R 10%	1808	C4520X7R3D102K	TDK
1	C20	2200pF	Capacitor, Ceramic, 2KV, X7R, 20%	1812	C4532X7R3D222K	TDK
1	C14	220uF	Capacitor, Aluminum, 6.3V, ±20%	6.3x5.8mm	EEVFK0J221P	Panasonic
1	C8	22uF	Capacitor, Aluminum, 100V, 20%	8x10.2mm	EEVFK2A220P	Panasonic
3	C25, C26, C27	470uF	Capacitor, Aluminum, 63V, 20%	16x16.5mm	EEEFK1J471M	Panasonic
1	D1		Diode, TVS, 58-V, 1W	SMA	SMAJ58A	Diodes Inc.
1	D11	5.1V	Diode, Zener, 5.1V, 225mW	SOT-23	BZX84C5V1LT1	On Semi
1	D14	10V	Diode, Zener, 10V, 225mW	SOT-23	BZX84C10LT1	Diodes, Inc
2	D2, D4		Rectifier, Ultrafast, 200V, 1A	SMA	MURA120T3	On Semi
2	D3, D5		Diode, Schottky, 0.5A, 30V	SOD-123	MBR0530T3	On Semi
1	D6		Diode, Dual Schottky, 200mA, 30V	SOT23	BAT54S	Diodes, Inc.
1	D7		Diode, Schottky, 3A, 100V	SMC	30BQ100	Vishay
1	D8		Diode, Switching, 150mA, 75V, 225mW	SOT23	BAS16	On Semi
4	D9, D10, D12, D13		Diode, Schottky, 3A, 60V	SMB	B360B	Diodes, Inc
2	FB1, FB2		Bead, Ferrite, SMT, 15-Ohms, 1500mA	805	MMZ2012R150A	Steward
1	J1		Connector, Jack, Modular, 8 POS, w/Xfmr and Diode Bridges	0.625 X 0.860 inch	7499210121	WE

1	J2		Connector, Jack, Modular, 8 POS	0.705 x 0.820	5520252-4	AMP
6	J3, J4, J5, J6, J7, J8		Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED555/2DS	OST
1	L1	3.3uH	Inductor, SMT Power, 1.8A, 35 milliohms	4.80 x4.80 mm	744043003	WE
1	L2	1uH	Inductor, SMT, 3.5A, 39 milliohms	5.9 x 6.2 mm	7447785001	WE
1	L3		Inductor, Common Mode, 2A, 250uH	8.7x10.0 mm	744272251	WE
1	L4	2.2uH	Inductor, SMT Power, 2.35A, ±30%	4.80 x4.80 mm	7440430022	WE
1	L5	4.7uH	Inductor, SMT, 1.95A, 38 milliohms	5.8 x 5.8 mm	7440530047	WE
1	Q1		MOSFET, NChannel, 60V, 40A, 6.6 milliohm	PWRPAK S0-8	SiR422DP	Vishay
1	Q2		Bipolar, PNP, 40V, 200mA, 225W	SOT23	MMBT3906LT1	On Semi
1	Q3		MOSFET, NChannel, 150V, 25A, 45 milliohm	PWRPAK S0-8	Si7430DP	Vishay
1	Q4		MOSFET, N-Chan, 60V, 58milliohm, 6A	1212-8 SINGLE	Si7308DN	Vishay
3	R15, R31, R37	0	Resistor, Chip, 1/16W, 1%	603	Std	Std
2	R7, R16	10	Resistor, Chip, 1/16W, 5%	603	Std	Std
1	R9	20	Resistor, Chip, 1/16W, 5%	603	Std	Std
4	R1, R2, R3, R4	75	Resistor, Chip, 1/16W, 5%	603	Std	Std
1	R14	90.9	Resistor, Chip, 1/16W,1%	603	Std	Std
1	R23	150	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R17	681	Resistor, Chip, 1/16W,1%	603	Std	Std
2	R19, R22	1.5K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R18	2K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R24	4.12K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R13	4.99K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R25	13.3K	Resistor, Chip, 1/16W,1%	603	Std	Std
1	R8	24.9K	Resistor, Chip, 1/16W,1%	603	Std	Std
1	R20	41.2K	Resistor, Chip, 1/16W,1%	603	Std	Std
1	R11	60.4K	Resistor, Chip, 1/16W,1%	603	Std	Std
1	R28	75K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R12	100K	Resistor, Chip, 1/16W,1%	603	Std	Std
1	R36	140K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R33	182K	Resistor, Chip, 1/16W, 1%	603	Std	Std
2	R26, R35	200K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R27	392K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R6	562K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R32	825K	Resistor, Chip, 1/16W, 1%	603	Std	Std
0	R30, R34	DNP	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R5	39K	Resistor, Chip, 1/10W, 5%	805	Std	Std

1	R10	4.7	Resistor, Chip, 1/4W, 5%	1206	Std	Std
1	R21	0.18	Resistor, Chip, 1W, 1%	2512	Std	Std
1	R29	51	Resistor, Chip, 1W, 5%	2512	Std	Std
1	T2		Transformer, Flyback, 60uH	17.15 x 22.23 mm	750311832	WE
1	U2		IC, Photocoupler, 3750VRMS, 80-160% CTR	MF4	TCMT1107	Vishay
1	U1		IC, IEEE 802.3af Integrated Primary Side Controller	TSSOP14	TPS23753APW	TI
1	U3		IC, Shunt Regulator, 1.24-V ref, 6-V, 10-mA, 1%	SOT23-5	TLV431AIDBVR	TI
1	U4		IC, 2.25MHz 600mA Step-Down Converter	SON-6[DRV]	TPS62260DRV	TI
1	U5		IC, 200-mA, Low-IQ, LDO Regulator	SON-6	TLV70030DSE	TI
1	U6		IC, 200-mA, Low-IQ, LDO Regulator	SON-6	TLV70025DSE	TI
1	U7		IC,High-Efficiency Step-Down Low Power DC-DC Converter, x V	DRC10	TPS62040DRC	TI

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