

PMP7376_REVC BOM

COUNT	RefDes	Value	Description	Size	Part Number	MFR
3	C1, C25, C28	DNP	Do Not Populate	0603	N/A	N/A
1	C10	1000pF	Capacitor, Ceramic, 3kV, NP0, C0G, 10%	1808	Std	Std
1	C12	4700pF	Capacitor, Ceramic, 50V, C0G, 5%	0402	STD	STD
1	C13	100uF	CAP ALUM 100UF 25V 20% SMD	0.260 x 0.276 inch	EEV-FK1E101XP	Panasonic
2	C14, C21	47pF	Capacitor, Ceramic, 50V, C0G, 5%	0402	STD	STD
1	C15	0.047uF	Capacitor, Ceramic, 200V, X7R, 15%	1206	STD	STD
1	C17	1uF	Capacitor, Ceramic, 10V, X5R, 15%	0402	STD	STD
4	C2, C3, C4, C6	22uF	Capacitor, Ceramic, 16V, X5R, 15%	1206	STD	STD
4	C22, C23, C29, C31	0.1uF	Capacitor, Ceramic, 50V, X7R, 15%	0603	STD	STD
1	C24	0.047uF	Capacitor, Ceramic, 16V, X7R, 15%	0603	STD	STD
1	C26	4.7uF	Capacitor, Ceramic, 16V, X7R, 15%	1206	STD	STD
1	C27	270uF	CAP ALUM 270UF 16V 20% RADIAL	8 x 11.5 mm	PLF1C271MDO1	Nichicon
2	C5, C9	1000pF	Capacitor, Ceramic, 50V, X7R, 15%	0603	STD	STD
6	C8, C16, C18, C19, C20, C30	2.2uF	Capacitor, Ceramic, 100V, X7R, 15%	1812	Std	Std
2	D1, D7	MMSD914T1	Diode, Switching, 100-V, 200-mA, 225-mW,	SOD-123	MMSD914T1	STD
1	D10	ES1D	DIODE ULTRAFAST 200V 1A DO-214AC	SMA	ES1D-13-F	Diodes Inc.
2	D2, D11	8.2V	Diode, Zener, 8.2V	SOD-323	BZT52B8V2S	STD
6	D3, D4, D5, D6, D8, D12	BAS516	DIODE 100V 250MA SOD523	SOD-523	BAS516	STD
1	J2	1125-1210xxR138	Header, Male 2x10 Right Angle, 100mil spacing	13.8x25.4 mm	1125-1210xxR138	Alpha
1	J3	1125-1207xxr138	Header, Male 2x7 Right Angle, 100mil spacing	13.8x17.8 mm	1125-1207xxr138	Alpha
1	L1	1mH	INDUCTOR POWER 1000UH 85MA 2220	2020	NLC565050T-102K-PF	TDK
1	L2	4uH	Inductor, SMT, 25-A, 2-milliohm	0.790 x 0.770 inch	SER2014-402MX	Coilcraft
2	Q1, Q14	AON6454A	MOSFET N-CH 150V 31A	TDSON-8	AON6454A	Alpha & Omega Semiconductor
1	Q11	MMBT2907	Transistor, PNP, -60V, -600mA, 225-W	SOT23	MMBT2907LT1	On Semi
1	Q2	MMBT2222A	TRANSISTOR, NPN, HIGH-PERFORMANCE, 500mA	SOT-23	MMBT2222A	Fairchild
4	Q3, Q6, Q7, Q8	CSD18531Q5A	MOSFET N-CH 60V 100A	TDSON-8	CSD18531Q5A	Texas Instruments
1	Q5	IRF6216PBF	MOSFET, PChan, -150V, -2.2A, 0.24 Ohm	SO8	IRF6216PBF	IR
2	Q9, Q10	BCP56TA	TRANS NPN BIPOL 80V 1A SOT223-4	SOT223	BCP56TA	Zetex
4	R1, R7, R8, R10	1k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R11	2.61k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
2	R12, R18	200k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R13	2.7	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R14	10k	Resistor, Chip, 1/2W, 5%	2010	STD	STD
2	R15, R26	0	Resistor, Chip, 1/16W, 1%	0402	Std	Std
4	R16, R24, R27, R30	10k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R17	4.02k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R19	7.5k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R2	2k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R20	2k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R3	DNP	Do Not Populate	0603	N/A	N/A
1	R31	86.6k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R4	3.01k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R5	4.99k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
2	R6, R23	100k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R9	100	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	T1	100 uH	Transformer, ±20%	26x28 mm	NA5738-AL	Coilcraft
1	T1ALT1	82.5 uH	Transformer, alternate	1062x1201 inch	PH0961.002CNL	Pulse
1	T3	CST2-100L	Transformer, Current Sense, 100:1	0.315 x 0.320 inch	CST2-100L	Coilcraft
1	U1	UCC2897APW	IC, Current-Mode Active Clamp PWM Controller	PW20	UCC2897APW	TI
1	U2	H11A817AS	IC, Optocoupler, 80-160% CTR	0.435 x 0.210 inch	H11A817AS	STD
1	U3	TL431AIDBZR	IC, Precision Adjustable Shunt Regulator	SOT23-3	TL431AIDBZR	TI

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