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PMP4123_REVB BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
4	C1, C2, C3, C4	2.2uF	Capacitor, Ceramic, 100-V, X7R, 20%	1210	C3225X7R2A225M	TDK
1	C12	100uF	Capacitor, Aluminum, 25V, ZL Series	0.200 * 0.435 inch	25V ZL 100uF	Rubycon
8	C14, C15, C16, C18, C19, C20, C21, C22	1uF	Capacitor, Ceramic, 16V, X7R, 20%	0603	C1608X7R1C105M	TDK
1	C17	47pF	Capacitor, Ceramic, 50V, C0G, 10%	0603	C1608C0G1H470K	TDK
1	C23	0.033uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H333K	TDK
1	C24	220pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H221K	TDK
2	C25, C27	0.01uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H103K	TDK
1	C28	4.7uF	Capacitor, Ceramic, 16V, X7R, 15%	0805	Std	Std
1	C29	1000pF	Capacitor, Ceramic, 2kV, C0G, 10%	1812	Std	Std
1	C5	0.033uF	Capacitor, Ceramic, 250-V, X7R	1206	C3216X7R2E333M	TDK
5	C6, C7, C11, C13, C26	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H104K	TDK
1	C8	470uF	Capacitor, Aluminum, 10V	0.315 inch	10V ZL 470uF 8x11.5mm	Rubycon
3	C9, C10, C100	47uF	Capacitor, Ceramic, 16-V, X5R, 20%	1210	Std	Std
5	D1, D2, D3, D4, D9	MMSD914	Diode, Switching, 100-V, 200-mA, 225-mW	SOD-123	MMSD914T1	On Semi
3	D6, D7, D8	MBR0520L	Diode, Schottky, 0.5A, 20V	SOD-123	MBR0520L	Fairchild
3	J1, J2, J5	8600-0-05-xx-00-00-03-0	Header, Single pin	0.072 x 1	8600-0-05-01-00-00-03-0	Mill-Max
2	J3, J4	8952-0-05-xx-00-00-03-0	Header, Single pin	0.125 x 1	8952-0-05-01-00-00-03-0	Mill-Max
1	L1	2.2uH	Inductor, SMT, 24.3-A, 2.3-milliohm	0.785 x 0.855 inch	HC2LP-2R2-R	Coiltronics
1	L2	1mH	Inductor, SMT, 60mA	0.244 x 0.244 inch	PG0087.105NL	Pulse
4	Q1, Q2, Q7, Q8	Si7386DP	MOSFET, NChan, 30V, 19A, 7millohm	PWRPAK S0-8	Si7386DP	
1	Q3	IRF6216	MOSFET, P-ch, 150-V, 2.2-A, 240-milliOhms	SO8	IRF6216	International Rectifier
2	Q4, Q5	IRF7494	MOSFET, N-Chan, 150V, 44 miliohm, 5.2A	SO8	IRF7494	IR
1	Q6	MMBT3904	Bipolar, NPN, 40-V, 200-mA	SOT23	MMBT3904LT1	On Semi
1	Q9	MMBT3906	Bipolar, PNP, 40-V, 200-mA	SOT23	MMBT3906LT1	On Semi
5	R1, R2, R6, R16, R26	10k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R10	3.74k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R12, R27	DNP	Do Not Populate	0603	N/A	N/A
1	R13	1.65k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R14	301	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R15	7.5k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R17	110k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R18	60.4k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R19	49.9k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R22, R28	0	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R24	2k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R29	20k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R3	20	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R30	7.15k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R4	4.99k	Resistor, Chip, 1/4W, 5%	1210	STD	STD
1	R5	0.022	Resistor, Chip, 1-W, 1%	2512	Std	Std
5	R7, R20, R21, R23, R25	1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R8, R11	100k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R9	1.5k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	T1	PA0806.004NL	Transformer, Forward, Planar	0.850 x 0.920 inch	PA0806.004NL	Pulse
1	TP5	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100	5000	Keystone
1	U1	LM317MQDCYR	IC, 3 Terminal Adjustable Regulator	SOT223	LM317MQDCYR	TI

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1	U2	TPS28225D	IC, High Frequency 4-Amp MOSFET Driver	SO8	TPS28225D	TI
1	U3	UCC2897APW	IC, Current-Mode Active Clamp PWM Controller	PW20	UCC2897APW	Texas Instruments
2	U4, U6	TPS71550DCK	IC, High Input Voltage, Micropower LDO, 5V	SOP-5 (DCK)	TPS71550DCKR	TI
1	U5	ISO721MD	IC, High Speed Digital Isolator	SO-8	ISO721MD	TI
1	U7	TCMT1107	IC, Photocoupler, CTR = 80% - 160%	MF4	TCMT1107	Vishay
1	U8	TL431AIDBZ	IC, Precision Adjustable Shunt Regulator	SOT23-3	TL431AIDBZ	TI

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