

PMP6547 REV B BOM

COUNT	RefDes	Value	Description	Size	Part Number	MFR
1	C1	0.22uF	Capacitor, Ceramic, 100V, X7R, 15%	1206	STD	STD
1	C10	330pF	Capacitor, Ceramic, 3kV, NP0, C0G, 10%	1808	Std	Std
1	C101	0.01uF	Capacitor, Ceramic, 100V, X7R, 10%	0603	STD	STD
1	C11	22uF	Capacitor, Aluminum, 16V, 20%	0.201 x 0.262 inch	EEVFK1C220R	Panasonic
3	C12, C13, C17	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	STD	STD
2	C14, C25	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
6	C18, C19, C20, C21, C22, C24	2.2uF	Capacitor, Ceramic, 100V, X7R, 15%	1210	STD	STD
2	C2, C3	10pF	Capacitor, Ceramic, 100V, C0G, 10%	0603	STD	STD
1	C23	47uF	CAP ELECT 47UF 80V FK SMD	0.457 x 0.406	EEE-FK1K470P	Panasonic
1	C4	470uF	CAP ELECT 470UF 16V HC SMD	0.457 x 0.406	EEE-HC1C471P	Panasonic
1	C5	1000pF	Capacitor, Ceramic, 50V, X7R, 15%	0603	STD	STD
1	C6	3300pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	STD	STD
3	C7, C8, C100	47uF	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
6	D3, D4, D6, D7, D8, D100	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
4	J1, J2, J3, J4	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED555/2DS	OST
1	L1	7.8uH	Inductor, 13A	0.750 x 0.875 inch	PA2050.782NL	Pulse
1	L2	1mH	Inductor, SMT, 110mA, 13.8ohm	0.26x0.09 inch	DO1608C-105ML	Coilcraft
1	L3	10uH	Inductor, SMT, 8.6A, 11milliohm	0.600 x 0.710 inch	DO5040H-103ML	Coilcraft
2	Q1, Q2	BSC190N12NS3	MOSFET N-CH 120V 44A TDSON-8	TDSON-8	BSC190N12NS3	Infineon
1	Q10	MMBT2222A	TRANSISTOR, NPN, HIGH-PERFORMANCE, 500mA	SOT-23	MMBT2222A	Fairchild
1	Q11	MMBT2907A	Transistor, PNP, -60V, -600mA, 225-W	SOT23	MMBT2907ALT1	On Semi
1	Q3	IRF6216PBF	MOSFET, PChan, -150V, -2.2A, 0.24 Ohm	SO8	IRF6216PBF	IR
4	Q4, Q5, Q6, Q7	IRFH5053	MOSFET N-CH 100V 9.3A PQFN56	TDSON-8	IRFH5053TRPBF	IR
2	Q8, Q9	FZT653	Trans, NPN Medium Power, 100V 1A	SOT223	FZT653	Zetex
1	R1	0.01	Resistor, Metal Oxide, 1W, 5%	2512	STD	STD
1	R10	78.7k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R101	15k	Resistor, Metal Oxide, 1W, 5%	2512	STD	STD

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1	R11	15k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
2	R12, R19	60.4k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
2	R13, R100	4.02k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R14	2.61k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R16	0	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R17	4.70k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R18	1.21k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
2	R2, R3	4k	Resistor, Metal Film, 1/4 watt, 5%	1206	Std	Std
1	R20	1	Resistor, Metal Film, 1/4 watt, 5%	1206	Std	Std
1	R4	DNP	Do Not Populate	0603	N/A	N/A
2	R5, R15	10k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
2	R6, R8	1k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R7	40.2k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R9	100k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	T2	43 uH	Transformer, Custom, Forward	0.860 x 1.150 inch	PA3367NL	Pulse
3	TP1, TP2, TP4	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
2	TP3, TP5	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	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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Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265
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