

PMP6933_REVC 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, COG, 10%	1808	Std	Std
1	C101	0.047uF	Capacitor, Ceramic, 100V, X7R, 15%	1206	STD	STD
1	C11	47uF	Capacitor, Aluminum, 25V, ±20%		EEEFK1E470P	Panasonic
3	C12, C13, C17	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	STD	STD
3	C14, C25, C27	1uF	Capacitor, Ceramic, 16V, X7R, 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, COG, 10%	0603	STD	STD
1	C23	47uF	CAP ELECT 47UF 80V FK SMD	0.457 x 0.406	EEE-FK1K470P	Panasonic
1	C26	1500pF	Capacitor, Ceramic, 50V, X7R, 15%	0603	STD	STD
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
2	C6, C15	100pF	Capacitor, Ceramic, 50V, COG, 10%	0603	STD	STD
3	C7, C8, C30	47uF	Capacitor, Ceramic, 16V, X5R, 15%	1210	STD	STD
1	C9	10uF	Capacitor, Ceramic, 16V, X5R, 15%	1206	STD	STD
2	D1, D2	10V	Diode, Zener, 10-V, -225-mW	SOT23	MMBZ5240BLT1	ON Semi
7	D3, D4, D6, D7, D8, D9, D100	MMSD914T1	Diode, Switching, 100-V, 200-mA, 225-mW,	SOD-123	MMSD914T1	On Semi
1	D5	BAV99	Diode, Dual Ultra Fast, Series, 200-mA, 70-V		BAV99	
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	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
1	L4	5.3 uH	Inductor, Shielded Power, ±20%	0.394 x 0.445 inch	XAL1580-532ME	Coilcraft
3	Q1, Q2, Q7	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, Q12	BSC123N08NS3	MOSFET N-CH 80V 55A TDSON-8	TDSON-8	BSC123N08NS3	Infineon
2	Q8, Q9	FZT653	Trans. NPN Medium Power, 100V 1A	SOT223	FZT653	Zetex
1	R10	66.5k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R100	3.01k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R101	7.15k	Resistor, Metal Oxide, 1W, 5%	2512	STD	STD
1	R12	60.4k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R14	3.48k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
2	R16, R18	0	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R17	4.70k	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	R22	150	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R23	4.99k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R25	1	Resistor, Chip, 1/16W, 1%	0603	STD	STD
2	R4, R9	100k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
3	R5, R11, R15	10k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
4	R6, R8, R13, R24	1k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R7	51.1k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	T1	40 uH	Transformer, High Fq. Planar	0.850 x 0.920 inch	PH0811.004NL	Pulse
1	T3	CST2-100L	Transformer, Current Sense, 100:1	0.315 x 0.320 inch	CST2-100L	Coilcraft
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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