

PMP7357_REVB BOM

COUNT	RefDes	Value	Description	Size	Part Number	MFR
1	C1	0.1uF	Capacitor, Ceramic, 100V, X7R, 15%	805	STD	STD
1	C10	330pF	Capacitor, Ceramic, 3kV, NP0, C0G, 10%	1808	Std	Std
1	C100	0.022uF	Capacitor, Ceramic, 50V, C0G, 5%	402	STD	STD
1	C12	3300pF	Capacitor, Ceramic, 50V, C0G, 5%	402	STD	STD
1	C13	22uF	Capacitor, Ceramic, 16V, X5R, 15%	1206	STD	STD
1	C14	47pF	Capacitor, Ceramic, 50V, C0G, 5%	402	STD	STD
1	C15	0.047uF	Capacitor, Ceramic, 25V, X7R, 15%	402	STD	STD
2	C2, C3	100uF	Capacitor, Ceramic, 6.3V, X5R, 15%	1206	STD	STD
2	C4, C22	0.1uF	Capacitor, Ceramic, 25V, X7R, 15%	402	STD	STD
2	C5, C6	1000pF	Capacitor, Ceramic, 50V, C0G, 5%	402	STD	STD
1	C7	4.7uF	Capacitor, Ceramic, 6.3V, X5R, 15%	402	STD	STD
1	C8	4.7uF	Capacitor, Ceramic, 50V, X7R, 15%	1210	STD	STD
2	C9, C17	1uF	Capacitor, Ceramic, 6.3V, X5R, 15%	402	STD	STD
5	D1, D5, D6, D8, D9	MMDL914T1	Diode, Switching, 100-V, 200-mA, 200-mW,	SOD-323	MMDL914T1	On Semi
1	D7	BAT54SWT1G	Diode, Dual Schottky, 200mA, 30V	SOT323	BAT54SWT1G	On Semi
2	J1, J3	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED555/2DS	OST
1	L1	10uH	Inductor, Power, 7A, ±20%	6.4x6.6 mm	XAL6060-103ME	Coilcraft
1	L3	1mH	Inductor, SMT, 0.1A, ±20%	0.189 x 0.189 inch	LPS5015-105ML	Coilcraft
1	Q1	AO6420	MOSFET N-CH 60V 4.2A TSOP-6	Micro6	AO6420	Alpha & Omega Semiconductor Inc
2	Q2, Q3	CSD16409Q3	MOSFET, NChan, 25V, 19A, 5.9 milliOhm	QFN3.3X3.3mm	CSD16406Q3	TI
1	Q5	FDC5614P	MOSFET P-CH 60V 3A SSOT-6	TSOP-6	FDC5614P	Fairchild
1	R1	0.1	Resistor, 1/4W, 5%	1210	Std	Std
1	R100	100	Resistor, Chip, 1/16W, 1%	402	Std	Std
1	R12	665k	Resistor, Chip, 1/16W, 1%	402	Std	Std
2	R14, R26	0	Resistor, Chip, 1/16W, 1%	402	Std	Std
3	R16, R27, R30	10k	Resistor, Chip, 1/16W, 1%	402	Std	Std
1	R17	4.53k	Resistor, Chip, 1/16W, 1%	402	Std	Std
1	R18	121k	Resistor, Chip, 1/16W, 1%	402	Std	Std
1	R19	7.5k	Resistor, Chip, 1/16W, 1%	402	Std	Std
1	R20	301	Resistor, Chip, 1/16W, 1%	402	Std	Std
1	R23	110k	Resistor, Chip, 1/16W, 1%	402	Std	Std
1	R24	2k	Resistor, Chip, 1/16W, 1%	402	Std	Std
1	R3	249	Resistor, Chip, 1/16W, 1%	402	Std	Std
1	R31	86.6k	Resistor, Chip, 1/16W, 1%	402	Std	Std
1	R32	6.04k	Resistor, Chip, 1/16W, 1%	402	Std	Std
1	R5	31.6k	Resistor, Chip, 1/16W, 1%	402	Std	Std
1	R6	100k	Resistor, Chip, 1/16W, 1%	402	Std	Std
2	R7, R11	1k	Resistor, Chip, 1/16W, 1%	402	Std	Std
2	R9, R10	10	Resistor, Chip, 1/16W, 1%	402	Std	Std
1	T1	40 uH	Transformer, ±20%	18x20 mm	EEH1713	Sumida
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	U2	TLV431A	IC, Low-Voltage Adjustable Shunt Regulator	SOT23-3	TLV431AIDBZ	TI
1	U4	TCMT1107	IC, Photocoupler	MF4	TCMT1107	Vishay
1	U6	UCC2897ARTJ	IC, Advanced Current-Mode Active Clamp PWM Controller	QFP-20	UCC2897ARTJ	TI

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