

PMP7279_REVA BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
1	C1	1000pF	Capacitor, Ceramic, 2kV, C0G, 10%	1812	Std	Std
4	C10, C11, C12, C13	10uF	Capacitor, Ceramic, 50-V, X7R, 20%	1210	C3225X7S1H106M	TDK
2	C100, C101	470uF	Capacitor, Aluminum Electrolytic, 63V	0.571 inch	63V ZL 470uF 16 X 20	Rubycon
1	C14	NO POP	Capacitor, Aluminum, 35-V, FK Series	0.268 x 0.307	EEVFK1V101XP	Panasonic
1	C15	470pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H471K	TDK
2	C16, C17	1uF	Capacitor, Ceramic, 16V, X7R, 20%	0603	C1608X7R1C105M	TDK
2	C18, C102	100pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H101K	TDK
1	C19	470uF	Capacitor, Aluminum, 35V, 20%	0.315 inch	35V ZL 470uF 10 X 20	Rubycon
6	C2, C3, C4, C5, C6, C7	2.2uF	Capacitor, Ceramic, 100-V, X7R, 20%	1210	C3225X7R2A225M	TDK
1	C21	1000pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H102K	TDK
1	C300	4700pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	TDK
1	C301	0.047uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	STD	STD
1	C8	0.047uF	Capacitor, Ceramic, 100V, X7R	0603	Std	Std
2	C9, C200	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H104K	TDK
1	D1	10V	Diode, Zener, 10-V	SOT23	BZX84C10LT1	ON Semiconductor
1	D101	16V	Diode, Zener, 16-V	SOT23	BZX84C16LT1	ON Semiconductor
1	D2	MURA120	Diode, Rectifier, 1A, 200V	SMA	MURA120	ON Semi
1	D3	MBRB20100CT	Diode, Schottky Barrier Rectifier, 20A, 100V	D2PAK	MBRB20100CT	ON Semiconductor
1	D5	5.1V	Diode, Zener, 5.1-V	SOT23	BZX84C5V1LT1	ON Semiconductor
2	J1, J2		Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25"	ED1514	QST
1	L2	10uH	Inductor, SMT, 4A, 26milliohm	0.402 x 0.394 inch	MSS1048-103L	Coilcraft
2	Q1, Q2	Si7738DP	MOSFET, NChannel, 150V, 30A, 38 milliohm	PWRPAK S0-8	Si7738DP	Vishay
1	Q100	MMBT3906	Bipolar, PNP, 40-V, 200-mA	SOT23	MMBT3906LT1	On Semi
1	Q101	MMBT2222A	Bipolar, NPN, 40V, 600mA	SOT23	MMBT2222ALT1	ON Semiconductor
1	Q200	MMBT2222	Bipolar, NPN, 40V, 600mA	SOT23	MMBT2222ALT1	ON Semiconductor
2	R1, R2	10k	Resistor, Chip, 1-W, 5%	2512	Std	Std
1	R10	0.005	Resistor, Chip, 1-W, 1%	2512	Std	Std
1	R101	20k	Resistor, 1/4 watt, 5%	1206	Std	Std
	R11	100K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R12	32.4k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R13, R301	3.01k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R16	11.5k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R3	49.9	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R300	0.5	Resistor, Metal Film, 1/4 watt, ± 5%	1206	Std	Std
1	R302	24.9K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R4	402k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R5, R8	0	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R6, R100	100k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R7, R17	1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R9, R15	10k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	T1	20 uH	Transformer, Custom, Flyback	27.5 x 28.0 mm	DCT24LQ-U0XH004	TDK
4	TP1, TP3, TP4, TP5	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
2	TP2, TP6	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
1	U1	TPS40210DGQ	IC, 4.5V-52V I/P, Current Mode Boos Controller	DGQ10	TPS40210DGQ	TI
1	U2	TCMT1107	IC, Photocoupler, CTR = 80% - 160%	MF4	TCMT1107	Vishay
1	U300	TL431AIDBZ	IC, Precision Adjustable Shunt Regulator	SOT23-3	TL431AIDBZ	TI

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