

PMP4751_REVB BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
1	C10	22uF	Capacitor, Aluminum, 16V, 20%	0.201 x 0.262 inch	EEVFK1C220R	Panasonic
2	C100, C101	2.2uF	Capacitor, Ceramic, 100-V, X7R, 20%	1210	C3225X7R2A225M	TDK
1	C11	1000pF	Capacitor, Ceramic, 2kV, C0G, 10%	1812	Std	Std
2	C12, C13	1uF	Capacitor, Ceramic, 16V, X7R, 20%	0603	C1608X7R1C105M	TDK
2	C14, C16	0.047uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H103K	TDK
1	C15	100pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H101K	TDK
1	C17	0.47uF	Capacitor, Ceramic, 16V, X7R, 20%	0603	C1608X7R1C105M	TDK
1	C19	4700pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H472K	TDK
1	C20	4.7uF	Capacitor, Ceramic, 16V, X5R, 15%	0805	Std	Std
1	C5	0.047uF	Capacitor, Ceramic, 250-V, X7R	1206	C3216X7R2E473M	TDK
1	C6	1000uF	Capacitor, Aluminum, 6.3V, 20%	0.328 x 0.390 inch	EEEVFK0J102F	Panasonic
2	C7, C8	22uF	Capacitor, Ceramic, 16-V, X7R, 20%	1210	C3225X7R1C226MT	TDK
1	C9	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H104K	TDK
7	D1, D2, D3, D4, D5, D6, D101	MMSD914	Diode, Switching, 100-V, 200-mA, 225-mW	SOD-123	MMSD914T1	On Semi
1	D100	10V	Diode, Zener, 200mW, 10V	SOD-323	BZT52C10S	Diodes Inc
1	J1	ED555/3DS	Terminal Block, 3-pin, 6-A, 3.5mm	0.41 x 0.25 inch	ED555/3DS	OST
1	J2	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	ED1514	OST
1	L2	5.8uH	Inductor, SMT, 14.4A, 4.4milliohms	0.750 x 0.875 inch	PA2050-582NL	Pulse
1	L4	1mH	Inductor, SMT, 60mA	0.244 x 0.244 inch	PG0087.105NL	Pulse
2	Q1, Q4	IRF7832	MOSFET, N-Chan, 30V, 4 miliohm, 20A	SO8	IRF7832	IR
1	Q100	MMBT3904	Bipolar, NPN, 40-V, 200-mA, 225-W	SOT23	MMBT3904LT1	On Semiconductor
1	Q2	IRF6216	MOSFET, P-ch, 150-V, 2.2-A, 240-milliOhms	SO8	IRF6216	International Rectifier
1	Q3	Si4490DY	MOSFET, N-Chan, 200V, 80 miliohm, 4A	SO8	Si4490DY	Vishay
1	R10	1.37k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R11	7.5k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R12	54.9k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R13	121k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
3	R14, R17, R24	0	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R19, R100	499	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R2	10	Resistor, Chip, 1/16W, 1%	0603	Std	Std
4	R3, R5, R22, R26	10k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R4	0.1	Resistor, Chip, 1W, 5%	2512	STD	STD
3	R6, R8, R15	100k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R7	2.49k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
5	R9, R16, R18, R20, R21	1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	T1	PA2570NL	Transformer,	0.689 X 0.830 inch	PA2570NL	Pulse
6	TP1, TP2, TP5, TP6, TP7, TP8	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100	5000	Keystone
2	TP3, TP4	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	Texas Instruments
1	U2	TCMT1107	IC, Photocoupler, CTR = 80% - 160%	MF4	TCMT1107	Vishay
1	U3	TL431AIDBZ	IC, Precision Adjustable Shunt Regulator	SOT23-3	TL431AIDBZ	TI

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