

PMP4752_REVB BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
2	C1, C2	2.2uF	Capacitor, Ceramic, 100-V, X7R, 20%	1210	C3225X7R2A225M	TDK
2	C11, C12	1uF	Capacitor, Ceramic, 16V, X7R, 20%	0603	C1608X7R1C105M	TDK
1	C13	0.047uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H103K	TDK
2	C15, C18	0.01uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H103K	TDK
1	C19	4.7uF	Capacitor, Ceramic, 16V, X5R, 15%	0805	Std	Std
1	C20	0.047uF	Capacitor, Ceramic, 250-V, X7R	1206	C3216X7R2E473M	TDK
1	C21	1000pF	Capacitor, Ceramic, 2kV, C0G, 10%	1812	Std	Std
2	C3, C14	100pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H101K	TDK
1	C5	100uF	Capacitor, Aluminum, 16V, 20%, FK Series	0.217 x 0.169	EEVFK1C101P	Panasonic
2	C6, C7	22uF	Capacitor, Ceramic, 16-V, X7R, 20%	1210	C3225X7R1C226MT	TDK
1	C8	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H104K	TDK
1	C9	22uF	Capacitor, Aluminum, 16V, 20%	0.201 x 0.262 inch	EEVFK1C220R	Panasonic
7	D1, D2, D4, D5, D7, D8, D100	BAS16	Diode, Switching, 75V, 200mA	SOT23	BAS16LT1	On Semiconductor
2	D3, D6	12V	Diode, Zener, 12-V	SOT23	BZX84C12LT1	ON Semiconductor
2	J1, J2	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	ED1514	OST
1	L1	11uH	Inductor, SMT, 7.6A, 16milliohm	0.618 X 0.628 inch	PD0120.113NL	Pulse
1	L2	1mH	Inductor, SMT, 60mA	0.244 x 0.244 inch	PG0087.105NL	Pulse
1	Q1	FZT491	Trans, NPN, 60Vceo, 1A	SOT-223	FZT491	Zetex
1	Q2	IRF7495	MOSFET, N-Chan, 100V, 22 miliohm	SO8	IRF7495	IR
1	Q3	MMBT2222A	Bipolar, NPN, 40V, 600mA	SOT23	MMBT2222ALT1	ON Semiconductor
1	Q5	Si4490DY	MOSFET, N-Chan, 200V, 80 miliohm, 4A	SO8	Si4490DY	Vishay
1	Q6	IRF7855	MOSFET, N-Chan, 60V, 9.4 miliohm, 12A	SO8	IRF7855PbF	IR
1	Q7	IRF6216	MOSFET, P-ch, 150-V, 2.2-A, 240-milliOhms	SO8	IRF6216	International Rectifier
1	R1	4.99k	Resistor, Chip, 1/4W, 5%	1210	Std	Std
1	R10	7.5k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R11	54.9k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R12	121k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R13	64.9k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
3	R15, R22, R100	0	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R17	2k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R2	2k	Resistor, Chip, 1/4W, 5%	1210	Std	Std
1	R24	2.61k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
3	R3, R18, R20	10k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R4	0.068	Resistor, Chip, 1/2W, 5%	2010	Std	Std
2	R5, R7	100k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R6	2.49k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
3	R8, R14, R19	1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R9	1.37k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	T1	PA2398NL	Transformer, Custom, Forward	0.860 x 1.150 inch	PA2398NL	Pulse
2	TP1, TP2	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
2	TP3, TP4	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
1	TP5	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100	5000	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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