

PMP4844_ REVC

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
3	C11, C12, C30	1uF	Capacitor, Ceramic, 50V, X7R, 15%	1206	Std	Std
2	C14, C18	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H104K	TDK
8	C15, C17, C19, C20, C21, C23, C24, C25	1uF	Capacitor, Ceramic, 16V, X7R, 20%	0603	C1608X7R1C105M	TDK
1	C16	100uF	Capacitor, Aluminum, 25V, ZL Series	0.200 * 0.435 inch	25V ZL 100uF	Rubycon
6	C2, C3, C4, C5, C6, C7	2.2uF	Capacitor, Ceramic, 100-V, X7R,	1210	C3225X7R2A225M	TDK
1	C22	47pF	Capacitor, Ceramic, 50V, C0G, 10%	0603	C1608C0G1H470K	TDK
1	C26	0.033uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H333K	TDK
1	C27	220pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H221K	TDK
1	C28	0.01uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H103K	TDK
1	C29	2200pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H222K	TDK
1	C31	1000pF	Capacitor, Ceramic, 2kV, C0G, 10%	1812	Std	Std
1	C8	0.1uF	Capacitor, Ceramic, 100-V, X7R	1206	Std	Std
2	C9, C10	220uF	Capacitor, Aluminum, 35V	0.315 inch	35V ZL 220uF 10x12.5mm	Rubycon
1	D1	MURA120	Diode, Ultrafast Rectifier, 1A, 200V	SMA	MURA120	ON Semi
1	D10	BAV99	Diode, Dual Ultra Fast, Series, 200-mA, 70-V	SOT23	BAV99	Fairchild
1	D101	ES1D	Diode, Super Fast Rectifier, 200V, 1A	0.220 x 0.115 inch	ES1D	Diodes
2	D102, D103	62V	Diode, Zener, 62-V, 1W	SMA	1SMA5944BT3	ON Semi
3	D3, D9, D100	MMSD914	Diode, Switching, 100-V, 200-mA, 225-mW	SOD-123	MMSD914T1	On Semi
2	D5, D6	MBR0520L	Diode, Schottky, 0.5A, 20V	SOD-123	MBR0520L	Fairchild
2	J1, J2	8600-0-05-xx-00-00-03-0	Header, Single pin	0.072 x 1	8600-0-05-01-00-00-03-0	Mill-Max
2	J3, J4	8952-0-05-xx-00-00-03-0	Header, Single pin	0.125 x 1	8952-0-05-01-00-00-03-0	Mill-Max
1	L1	36uH	Inductor, SMT, 6.5A, 20milliohms	0.750 x 0.875 inch	PA2729-383NL	Pulse
1	L2	1mH	Inductor, SMT, 60mA	0.244 x 0.244 inch	PG0087.105NL	Pulse
4	Q1, Q2, Q6, Q7	IRF7494	MOSFET, N-Chan, 150V, 44 miliohm, 5.2A	SO8	IRF7494	IR
2	Q4, Q8	SI7852ADP	MOSFET, NChan, 80V, 30A, 17milliohm	PWRPAK S0-8	SI7852ADP	Vishay
1	Q5	IRF6216	MOSFET, P-ch, 150-V, 2.2-A, 240-milliOhms	SO8	IRF6216	International Rectifier
1	Q9	MMBT3906	Bipolar, PNP, 40-V, 200-mA	SOT23	MMBT3906LT1	On Semi

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1	R10	3.92k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R100	1k	Resistor, Chip, 1/10W, yy%	0805	Std	Std
1	R12	DNP	Do Not Populate	0603	N/A	N/A
1	R13	1.10k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R14	7.5k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R16	110k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R17	1.5k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R18, R20	64.9k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R19	301	Resistor, Chip, 1/16W, 1%	0603	Std	Std
5	R2, R3, R7, R15, R24	10k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R22, R28	0	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R23	499	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R26	100k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R27	11.5k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R4	30	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R5	1.2	Resistor, Chip, 1/10W, yy%	0805	Std	Std
3	R8, R21, R25	1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R9, R11	49.9k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	T1	G095024LF	Transformer, Custom, Forward	31.50 X 31.50 mm	G095024LF	GCI
1	T100	PA1005.050NL	XFMR, Current Sense	0.284 x 0.330 inch	PA1005.050NL	Pulse
1	TP1	5000	Test Point, Red, Thru Hole Color	0.100 x 0.100	5000	Keystone
1	U1	TPS28225D	IC, High Frequency 4-Amp MOSFET Driver	SO8	TPS28225D	TI
1	U2	UCC2897APW	IC, Current-Mode Active Clamp PWM Controller	PW20	UCC2897APW	Texas Instruments
1	U3	LM317MQDCYR	IC, 3 Terminal Adjustable Regulator	SOT223	LM317MQDCYR	TI
2	U4, U6	TPS71550DCK	IC, High Input Voltage, Micropower LDO, 5V	SOP-5 (DCK)	TPS71550DCKR	TI
1	U5	ISO721MD	IC, High Speed Digital Isolator	SO-8	ISO721MD	TI
1	U7	TCMT1107	IC, Photocoupler, CTR = 80% -	MF4	TCMT1107	Vishay
1	U8	TL431AIDBZ	IC, Precision Adjustable Shunt	SOT23-3	TL431AIDBZ	TI

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