

PMP6517_REVB BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
5	C1, C4, C6, C7, C12	DNP	Do Not Populate	0603	N/A	N/A
1	C11	0.01uF	Capacitor, Polyester Film, 250V, 10%	0.311 x 0.213 inch	ECQ-E2103KB	Panasonic
4	C13, C14, C18, C20	1uF	Capacitor, Ceramic, 16V, X7R, 20%	0603	C1608X7R1C105M	TDK
3	C15, C16, C17	1000uF	Capacitor, Aluminum Electrolytic, 50V	0.571 inch	50V ZL 1000uF 16 X 25	Rubycon
1	C19	470uF	Capacitor, Aluminum Electrolytic, 25V	0.315 inch	25V ZL 470uF 10 X 16	Rubycon
2	C2, C3	DNP	Do Not Populate	1206	N/A	N/A
1	C21	47uF	Capacitor, Aluminum Electrolytic, 25V	0.248 inch	25V ZL 47uF 5 X 11	Rubycon
1	C22	0.039uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	STD	STD
1	C23	0.047uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H473K	TDK
2	C24, C27	100pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H101K	TDK
1	C25	0.01uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H103K	TDK
1	C26	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H104K	TDK
1	C5	220pF	CAP 250VAC CERAMIC Y2/X1	0.236 x 0.315 inch	ECK-NVS221KB	Panasonic
1	C8	220uF	Capacitor, Aluminum, 400V	30 x 30mm	ECOS2GP221DA	Panasonic
2	C9, C10	0.22 uF	Capacitor, Film, 250VAC, 20%	0.689 x 0.217	STD	STD
1	D1	DNP	Do Not Populate	SOD123	N/A	N/A
1	D100	MMSZ5248BT	Diode, Zener, 18-V	SOD123	MMSZ5248BT3G	On Semi
1	D2	KBP06G	Diode, Bridge Rectifier, 1.5A, 600V	0.580 x 0.145 inch	KBP06G	Diodes
1	D3	FFB20UP30DNTM	DIODE ULT FAST 20A 300V D2-PAK	D ² PAK	FFB20UP30DNTM	Fairchild
1	D4	MURA160T3	Diode, Rectifier, 1A, 600V	SMA	MURA160T3	ON Semiconductor
1	D5	MURA120T3	Diode, Rectifier, 1A, 200V	SMA	MURA120T3	ON Semiconductor
1	D6	MMSD914	Diode, Switching, 100-V, 200-mA, 225-mW	SOD-123	MMSD914T1	On Semi
1	F1	2.5A/250V	Fuse, TR5 Series, 2.5A, 250V	0.335	37212500001	Wickmann
1	L1	DNP	Do Not Populate	0.300 sq"	N/A	N/A
1	L2	9.5 mH	Inductor, Line Filter	18.5 x 25.5 mm	LF24012-0095-V	ICE Components
1	L3	10 uH	Inductor, Common Mode Coe	12.70 x 18.16 mm	ICA 1069	ICE Components
1	L4	2.2uH	Inductor, Power,	0.350 x 0.300 inch	RFB0807-2R2L	Coilcraft
1	Q1	STB14NK60ZT4	MOSFET N-CH 600V 13.5A D2PAK	SMD-220	STB14NK60ZT4	ST
8	R1, R2, R3, R4, R5, R6, R20, R27	DNP	Do Not Populate	0603	N/A	N/A
2	R10, R15	499k	Resistor, 1/4 watt, 5%	1206	Std	Std
1	R100	499	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R101	1.5k	Resistor, Chip, 1/4 watt, 5%	1206	Std	Std

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2	R102, R103	2.2k	Resistor, Chip, 1-W, 5%	2512	Std	Std
1	R11	DNP	Do Not Populate	1206	N/A	N/A
1	R16	10	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R17, R23	0	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R18	4.99k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R19	1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R21, R26	10k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R22	143k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R24	100k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R25	34.0k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R28	1.75k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R29	8.45k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R30	0.15	Resistor, Chip, 1-W, 5%	2512	Std	Std
6	R7, R8, R9, R12, R13, R14	24.9k	Resistor, Chip, 1-W, 5%	2512	Std	Std
1	T1	SL50557	Transformer, 100 W Flyback	1.200x1.400 inch	SL50557	Specialty Labs
2	TP1, TP4	5011	Test Point, Black, Thru Hole	0.125 x 0.125 inch	5011	Keystone
1	TP2	5012	Test Point, White, Thru Hole	0.125 x 0.125 inch	5012	Keystone
1	TP3	5010	Test Point, Red, Thru Hole	0.125 x 0.125 inch	5010	Keystone
1	TP5	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
1	TP6	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
1	TP7	5002	Test Point, White, Thru Hole Color Keyed	0.100 x 0.100 inch	5002	Keystone
1	U1	DNP	Do Not Populate - Placeholder for TPS54040	MSOP-10	N/A	N/A
1	U2	UCC28600D	IC, Quasi-Resonant Flyback Green Mode Controller	SO8	UCC28600D	Texas Instruments
1	U3	H11A817A	IC, Optocoupler, 5300-V, 80-160% CTR	0.380 x 0.180 inch	H11A817A	Fairchild
1	U4	TL431IDBZ	IC, Precision Adjustable Shunt Regulator	SOT23-3	TL431IDBZ	TI

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