

Filename: PMP3522_REVE_bom.xls
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PMP3522_REVE BOM

COUNT	RefDes	Value	Description	Size	Part Number	MFR
1	C1	0.047uF	Capacitor, Film, 0.047uF, 310VAC, X2	5.0 x 10.5 x 10.0mm	BFC233822473	Vishay
2	C2, C7	33nF	Capacitor, Ceramic, 500V, X7R, 10%	1210	VJ1210Y333KXE	Vishay
2	C3, C10	1nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
1	C4	10nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
1	C5	10uF	Capacitor, Aluminum, 35V, 20%	5mm dia	Std	Std
1	C6	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0805	Std	Std
1	C8	0.47uF	Capacitor, Ceramic, 50V, X7R, 10%	0805	Std	Std
1	C9	470uF	Capacitor, Aluminum, 35V, 20%, Low ESR	10 x 20mm	UHE1V471MPD	Nichicon
1	C11	10uF	Capacitor, Ceramic, 50V, X7R, 10%	1210	Std	Std
1	D1	RH06-T	Bridge Rectifier, 600V, 0.5A	MiniDIP	RH06-T	Diodes
1	D2	BZX84C20T	Diode, Zener, 20-V, 350-mW	SOT-23	BZX84C20T	Diodes
1	D3	MMBD4148	Diode, Signal	SOT23	MMBD4148	Fairchild
1	D4	MURA160T3	Diode, Rectifier, 1A, 600-V	SMA	MURA160T3	On Semi
1	D5	BZX84C27T	Diode, Zener, 27-V, 350-mW	SOT-23	BZX84C27T	Diodes
1	D6	BAT54S	Diode, Dual Schottky, 200-mA, 30-V	SOT23	BAT54S	Diodes
1	F1	0.5A	Fuse, TR5 Series, 0.5A, 250V	TR5	372 0500 0001	Littelfuse
1	J1	4300.0097	Header, 2-pin, 5mm spacing	0.197 inch x 2	ED1660	OST
1	J2	D120/2DS	Header, 2-pin, 5mm spacing	0.197 inch x 2	ED1660	OST
2	L1, L2	1mH	Inductor, 8RHB2 type, 0.2A	8.5 x 11mm	#822LY-102K	Toko
1	L3	180uH	Inductor, SMT Dual Winding, 1.6A, 150milliohm	12.5 x 12.5mm	MSD1260-184ML	Coilcraft
1	Q1	FCD4N60	MOSFET, N-ch, 600V, 4A	DPAK	FCD4N60	Fairchild
1	Q2	MMBT3904LT1	Bipolar, NPN, 40-V, 800-mA	SOT23	MMBT3904LT1	On Semi
3	R1, R2, R3	220K	Resistor, Chip, 1/4W, 5%	1206	Std	Std
1	R4	100	Resistor, Chip, 1/4W, 5%	1206	Std	Std
1	R7	1K	Resistor, Chip, 1/10W, 1%	0603	Std	Std
1	R8	10	Resistor, Chip, 1/10W, 1%	0603	Std	Std
1	R9	0.5	Resistor, Chip, 1/2W, 5%	2010	Std	Std
2	R10, R11	100	Resistor, Chip, 1/10W, 1%	0603	Std	Std
1	R12	51.1K	Resistor, Chip, 1/10W, 1%	0603	Std	Std
2	R13, R14	3.6	Resistor, Chip, 1/4W, 5%	1206	Std	Std
1	R15	33.2K	Resistor, Chip, 1/10W, 1%	0603	Std	Std
5	TP1, TP2, TP3, TP4, TP6	5002	Test Point, White, Thru Hole Color Keyed	0.100 x 0.100 inch	5002	Keystone
3	TP7, TP9, TP10	5011	Test Point, Black, Thru Hole	0.125 x 0.125 inch	5011	Keystone
1	TP8	5010	Test Point, Red, Thru Hole	0.125 x 0.125 inch	5010	Keystone
1	U1*	TPS92010D	IC, Quasi-Resonant Flyback Green Mode Controller	SO8	TPS92010D	Texas Instruments

- Notes:
1. These assemblies are ESD sensitive, ESD precautions shall be observed
 2. These assemblies must be clean and free from flux and all contaminants.
Use of no clean flux is not acceptable.
 3. These assemblies must comply with workmanship standards IPC-A-610 Class 2.
 4. Ref designators marked with an asterisk (**) cannot be substituted.
All other components can be substituted with equivalent MFG's components.

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