

Filename: PMP8504 REV_A_bom.xls

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PMP8504 REV_A BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
1	C1	1000pF	CAP CER 220PF 250VAC X1Y2 RAD	7.00 Dia mm	CS10-B2GA102KYNS	TDK
1	C3	100nF	Capacitor, Ceramic, 630V, X7R, 10%	1812	C4532X7R2J104K	TDK
1	C6	2200uF	Capacitor, Aluminum, 6.3V, 105C, 20%	0.315 inch	EKZM6R3ELL222MJ20S	Nippon Chemi-Con
1	C8	0.47uF	Capacitor, Ceramic Chip, 50V, ±10%	0805	STD	STD
1	C9	0.1uF	Capacitor, Ceramic Chip, 50V, ±10%	0603	STD	STD
2	C2 C4	18uF	Capacitor, Aluminum, 400V, 105C, 20%	0.315 inch	EKXJ401ELL180MJ20S	Nippon Chemi-Con
2	C5 C7	47uF	Capacitor, Ceramic Chip, 10V, X5R, ±20%	1210	C3225X5R1A476M	TDK
1	D1	85V	Diode, Zener, 85V, 3W	SMB	SMBJ85A	On Semi
1	D2	DF06S	Bridge Rectifier, 600V, 1A, SMD	DF-S	DF06S	Diodes
1	D3	US1J	Diode, Rectifier, 1-A, 600-V	SMA	US1J	Diodes
1	D4	BAS21	Diode, Switching, 200-mA, 250-V,	SOT23	BAS21	Vishay
1	F1	1A	Fuse, Radial, Slow Acting, 1A, 250V	0.160 x 0.400 inch	0677001.MXE	Littelfuse
1	L3	1uH	Inductor, Power, 4.1 A, ±20%	0.157 x 0.157 inch	XFL4020-102ML	Coilcraft
2	L1-2	220uH	Inductor, Radial, ±10%	0.354 x 0.480 inch	7447462221	Wuerth
1	Q1	CSD18531Q5A	MOSFET, N-Chan, 60V, 19 A, 4.4 mohm	QFN-8 POWER	CSD18531Q5A	TI
1	Q2	IPA60R950C6	MOSFET, Nch, 600V, 12A, 1.42 Ohm	TO-220	IPA60R950C6	Infineon
1	Q3	PMD3001D	Trans, N-PNP Comp, 40V, 1A	SC-74	PMD3001D	NXP Semiconductor
1	R2	S07K275	Varistor, Disk, 275V, 1W, TA @ 85C°	D Size	SIOV-S07K275	Epcos
1	R4	39	Resistor, Chip 1/4 watt, ± 5%	1206	STD	STD
1	R6	22	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R7	53.6k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R8	26.7k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R11	37.4k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R14	221k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R15	66.5k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R16	4.02k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R17	100k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R18	0.56	Resistor, Chip 1/4 watt, ±1%	1206	STD	STD
3	R1 R3 R5	4.7M	Resistor, Chip, 1/10W, ±5%	0805	STD	STD
2	R12-13	10	Resistor, Chip, 1/16W, 1%	0603	STD	STD
2	R9-10	100	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	T1	337 uH	Transformer, 16W	21.2x22 mm	E20-10-6	Epcos
1	TP3	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
1	TP4	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
2	TP1-2	5012	Test Point, White, Thru Hole	0.125 x 0.125 inch	5012	Keystone
1	U1	UCC28700DBV	IC, Constant Voltage, Constant Current PWM With Primary Side Regulation	SOT23 6Pin (DBV)	UCC28700DBV	TI
1	U2	UCC24610DRB	IC, SECONDARY-SIDE SYNCHRONOUS RECTIFIER CONTROLLER FOR 5V SYSTEMS	QFN-8P	UCC24610DRB	TI

- 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.