

PMP7218 REV_B BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
1	C1	2.2uF	Capacitor, Aluminum, 400V, 105C, 20%, 8mm x 11.5mm	0.315 inch	EKMG401ESS2R2MHB5D	Nippon Chemi-Con
1	C2	3.3uF	Capacitor, Aluminum, 400V, 105C, 20%, 10mm x 12.5mm	0.315 inch	EKMG401ESS3R3MJC5S	Nippon Chemi-Con
1	C3	0.15uF	Capacitor, Class X2, ±10%	0.709 x 0.236 inch	ECQU2A154KL	Panasonic
1	C4	220uF	CAP, ALUM, 6.3mm x 11mm, 20% RADIAL	6.3x11 mm	EKZM160ESS221MF11D	Nippon Chemi-Con
1	C5	10uF	Capacitor, Ceramic Chip, X5R, 25V, ±10%	1206	C3216X5R1E106K	TDK
1	C6	1000pF	CAP CER 220PF 250VAC X1Y2 RAD	7.00 Dia mm	CS10-B2GA102KYNS	TDK
1	C7	2.2uF	Capacitor, Ceramic Chip, X5R, 25V, ±10%	0805	C2012X5R1E225K	TDK
1	D2	MB6S	Diode, Bridge Rectifier, 0.5A, 600V	SO-4	MB6S	Fairchild
1	D4	STPS1150A	Diode, Schottky, 1A, 150V	SMA	STPS1150A	ST
1	D5	BAS21	Diode, Switching, 200-mA, 250-V,	SOT23	BAS21	Vishay
1	F1	0.5A	Fuse, Radial, Slow Acting, 0.5A, 250V	0.160 x 0.400 inch	0677.500MXE	Littelfuse
1	L1	1 mH	Inductor, Radial , ±10%	0.354 x 0.480 inch	7447462102	Wuerth
1	Q1	STN1NK60Z	MOSFET, Nch, 600V, 0.3 A, 15 Ohm	SOT-223	STN1NK60Z	ST
1	R2	33	RES 33 OHM 2W 10% AXIAL	0.300 X 0.100 inch	EMC2-33RKI	TT Electronics/Welwyn
1	R3	S07K275	Varistor, Disk, 275V, 1W, TA @ 85C°	D Size	SIOV-S07K275	Epcos
1	R7	57.6k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R8	26.7k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R11	4.02k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R12	100k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R13	4.7	Resistor, Chip, 1/16W, 5%	0805	Std	Std
2	R1 R5	4.7M	Resistor, 1/4 watt, 5%	1206	STD	STD
1	R100	22.1k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
2	R6 R10	10	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	T2	2.2 mH	Transformer, ±10%	13.7x20.5 mm	750817132	WE
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

- 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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