

Filename: PMP7019_REVB BOM_bom.xls

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PMP7019_REVB BOM BOM

COUNT	RefDes	Value	Description	Size	Part Number	MFR
1	C7	4.7uF	Capacitor, Ceramic, 100V	1210	Std	STD
1	C9	10nF	Capacitor, Ceramic, 630V, COG, 10%	1206		TDK
1	C13	DNP	Capacitor, Alum Electrolytic xx V, ±20%	10.00 mm Dia		Nippon
1	C15	DNP	Capacitor, Ceramic,	1210	Std	STD
1	C16	33uF	Capacitor, Aluminum Electrolytic, 35V	0.200 * 0.435 inch		
1	C17	1500pF			ECKANA152ME	Panasonic
1	C18	100pF	Capacitor, Ceramic,	0603	STD	STD
1	C19	33nF	Capacitor, Ceramic,	0603	STD	STD
1	C21	0.1uF	Capacitor, Ceramic,	0603	STD	STD
1	C22	220pF	Capacitor, Ceramic,	0603	STD	STD
1	C23	15nF	Capacitor, Ceramic,	0603	STD	STD
1	C24	47pF	Capacitor, Ceramic,	0603	STD	STD
2	C10-11	4700pF			ECKANA472ME	
2	C1-2	0.1 uF	Capacitor, Film, 440 V, ±20%	0.200 x 0.709 in	BFC233810104	Epcos
2	C3 C12	100uF	Capacitor, Electrolytic xxV, -55 to +200°C, ±20%		EKXJ451ELL101MM	Nippon Chemi-con
3	C5-6 C14	120uF	Capacitor, Alum Electrolytic xx V, ±20%	10.00 mm Dia	EKZE630ELL121MJ	Nippon
1	D1	MUR460	DIODE, ULTRA-FAST, 600V, 4A	DO-201AD	MUR460	On Semi
1	D2	2KBP10M	Diode, Bridge Rectifier, 1.5A, xxxV		2KPB10M	Diodes
1	D3	US1M	Diode, Schottky, xx-A, xx-V	SMB	STD	STD
1	D4	ES1D	Diode, Rectifier, xx-mA, yy-V	SMA	STD	STD
1	D5	MURS220	Diode, Schottky, xx-A, xx-V	SMB	MURS220	STD
1	F1	2A	Fuse, TR5 Series			Wickmann
2	J1-2	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25		OST
1	L1	5 mH	Inductor, Common Mode Choke, 2.5 A	13x23 mm	744823305	WE
1	Q1	IPP90R1K0C3	MOSFET, N-ch, xx-V, yy-A, zz-milliOhms	TO-220V	IPP90R1K0C3	STD
1	R1	10	Resistor, Metal Film, 1/4 watt, ± 5%	1206	Std	Std
1	R6	30.1	Resistor, Chip, 1/16W, x%	0603	Std	Std
1	R7	324k	Resistor, Chip, 1/16W, x%	0603	Std	Std
1	R8	10	Resistor, Chip, 1/16W, x%	0603	Std	Std

1	R9	49.9	Resistor, Chip, 1/16W, x%	0603	Std	Std
1	R10	4.99k	Resistor, Chip, 1/16W, x%	0603	Std	Std
1	R11	3.01k	Resistor, Chip, 1/16W, x%	0603	Std	Std
1	R12	20k	Resistor, Chip, 1/16W, x%	0603	Std	Std
1	R13	64.9k	Resistor, Chip, 1/16W, x%	0603	Std	Std
1	R14	1k	Resistor, Chip, 1/16W, x%	0603	Std	Std
1	R15	7.15k	Resistor, Chip, 1/16W, x%	0603	Std	Std
1	R16	0.33	Resistor, Chip, 1/4W, 5%	1210		Std
1	R17	1.07k	Resistor, Chip, 1/16W, x%	0603	Std	Std
2	R2 R5	1.5M	Resistor, Chip, 1/4W, 5%	1206		Std
2	R3-4	100k	Resistor, Chip, 1W, 5%	2512		STD
1	T1	760876750	Xfmr, ±10%	31x31 mm	760876750	WE
1	TP4	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch		Keystone
8	TP1-3 TP5-9	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch		Keystone
1	U1	UCC28600D	IC, Quasi-Resonant Flyback Green Mode Controller	SO8		Texas Instruments
1	U2	FOD817A	IC, Optocoupler, xx-V, yy% CTR	SMT-4PDIP	FOD817xx	Fairchild
1	U3	TL431AIDBZ	IC, Precision Adjustable Shunt Regulator	SOT23-3	TL431DBZ	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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