

PMP7244 BOM AC-DC Board

Count	RefDes	Value	Description	Size	Part Number	MFR
1	C9	0.1uF	Capacitor, Ceramic Chip, 50V, ±10%	603	STD	STD
1	C8	0.47uF	Capacitor, Ceramic Chip, 50V, ±10%	805	STD	STD
1	C100	2200pF	Capacitor, Ceramic Chip, 630V, X7R, ±10%	1206	C3216X7R2J222K	TDK
1	C7	100uF	Capacitor, Ceramic Chip, 6.3V, X5R, ±20%	1210	C3225X5R0J107M	TDK
2	C5-6	820uF	Capacitor, SMT, Low ESR/ESL, 6.3VDC, ±10%	10mm [F12]	6SVP820M	Sanyo
1	C1	1000pF	CAP CER 220PF 250VAC X1Y2 RAD	7.00 Dia mm	CS10-B2GA102KYNS	TDK
2	C2 C4	18uF	Capacitor, Aluminum, 400V, 105C, 20%	0.315 inch	EKXJ401ELL180MJ20S	Nippon Chemi-Con
1	D4	BAS21	Diode, Switching, 200-mA, 250-V,	SOT23	BAS21	Vishay
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	D1	120V	Diode, Zener, 120V, 3W	SMB	SMBJ120A	On Semi
1	F1	1A	Fuse, Radial, Slow Acting, 1A, 250V	0.160 x 0.400 inch	0677001.MXE	Littelfuse
2	L1-2	220uH	Inductor, Radial, ±10%	0.354 x 0.480 inch	7447462221	Wuerth
1	L3	Short	Short	0.157 x 0.157 inch	N/A	N/A
2	R9-10	0	Resistor, Chip, 1/16W, 1%	603	STD	STD
2	R12-13	10	Resistor, Chip, 1/16W, 1%	603	STD	STD
1	R17	100k	Resistor, Chip, 1/16W, 1%	603	STD	STD
1	R8	19.1k	Resistor, Chip, 1/16W, 1%	603	STD	STD
1	R101	2.21k	Resistor, Chip, 1/16W, 1%	603	STD	STD
1	R6	22	Resistor, Chip, 1/16W, 1%	603	STD	STD
1	R15	22.1k	Resistor, Chip, 1/16W, 1%	603	STD	STD
1	R14	221k	Resistor, Chip, 1/16W, 1%	603	STD	STD
1	R16	3.16k	Resistor, Chip, 1/16W, 1%	603	STD	STD
1	R7	90.9k	Resistor, Chip, 1/16W, 1%	603	STD	STD
3	R1 R3 R5	4.7M	Resistor, Chip, 1/10W, ±5%	805	STD	STD
1	R18	0.56	Resistor, Chip 1/4 watt, ±1%	1206	STD	STD
1	R4	0	Resistor, Chip 1/4 watt, ± 5%	1206	STD	STD
1	R100	10	Resistor, Chip 1/4 watt, ± 5%	1206	STD	STD
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	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	U2	UCC24610DRB	IC, SECONDARY-SIDE SYNCHRONOUS RECTIFIER CONTROLLER FOR 5V SYSTEMS	QFN-8P	UCC24610DRB	TI
1	U1	UCC28700DBV	IC, Constant Voltage, Constant Current PWM With Primary Side Regulation	SOT23 6Pin (DBV)	UCC28700DBV	TI
1	R2	S07K275	Varistor, Disk, 275V, 1W, TA @ 85C°	D Size	SIOV-S07K275	Epcos
1	T1	337 uH	Transformer, 16W	21.2x22 mm	E20-10-6	Epcos

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