

PMP5242_REVB BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
1	C1	0.1 uF	Capacitor, Polyester, 630V, 10%	0.728 x 0.248 V	ECQE6104KF	Panasonic
1	C11	100pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H101K	TDK
1	C12	18pF	Capacitor, Ceramic, 50V, C0G, 5%	0603	C1608C0G1H180J	TDK
1	C13	2.2uF	Capacitor, Ceramic, 6.3V, X7R, 15%	0603	Std	Std
1	C15	0.22uF	Capacitor, Ceramic, 16V, X7R, 15%	0603	Std	Std
3	C2, C3, C4	0.1uF	Capacitor, X2, 305V, 20%	0.157 x 0.512 inch	B32921C3104M	Epcos
1	C5	220uF	Capacitor, Aluminum, 250V, 10%	0.886 Dia.	ECO-S2EP221BX	Panasonic
4	C6, C9, C10, C14	1000pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H102K	TDK
1	C7	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H104K	TDK
1	C8	100uF	Capacitor, Aluminum Electrolytic, 25V	0.315 inch	25V ZL 100uF 8 X 7	Rubycon
1	D1	RH06-T	Diode, Bridge, 0.5-A, 600-V	MiniDIP	RH06-T	Diodes
1	D2	RS2KA	Rectifier, SMD, 800V 1.5A	SMA	RS2KA	Diodes Inc.
2	D3, D6	MMSD914	Diode, Switching, 100-V, 200-mA, 225-mW	SOD-123	MMSD914T1	On Semi
1	D4	100V	Diode, Zener, 100-V	SMB	1SMB5949BT3	On Semi
1	D5	130V	Diode, Zener, 130-V	SMB	1SMB5952BT3	On Semi
1	F1	1A	Fuse, TR5 Series, 1A, 250V	0.335	3701100041	Wickmann
1	J1	22-15-2041	Connector, Low Profile	0.400 x 0.310 inch	22-15-2041	Molex
1	L1	270uH	Inductor, Power, 0.6A	0.350 x 0.300 inch	RFB0807-271L	Coilcraft
1	L2	10mH	Inductor, 0.25A, 3.5iohm	0.433 x 0.670 inch	UU9.8V-103	GCI
1	Q1	MMBT2907	Bipolar, PNP, 60V, 600mA	SOT23	MMBT2907LT1	On Semiconductor
1	Q2	MMBT3904	Bipolar, NPN, 40-V, 200-mA, 225-W	SOT23	MMBT3904LT1	On Semiconductor
1	Q3	SPD04N60C3	MOSFET, N-ch, 650-V, 4.5-A, 1-Ohm	DPAK	SPD04N60C3	Infineon
3	R1, R2, R4	64.9k	Resistor, 1/4 watt, 5%	1206	Std	Std
5	R10, R12, R13, R17, R23	100k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R11	210k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R14	15k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R16, R20	1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R18	11.3k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R19	10k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R21	4.99k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R22	1	Resistor, Chip, 1/2W, 5%	2010	Std	Std
1	R24	511	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R3	150k	Resistor, Power, 1W, 1%	2512	STD	STD
1	R5	10	Resistor, 1/4 watt, 5%	1206	Std	Std
1	R6	20	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R7, R15	1MEG	Resistor, 1/4 watt, 5%	1206	Std	Std
1	R8	49.9k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R9	10	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	T1	1.3 mH	XFMR, SEPIC	0.709 X 1.122 inch	PA3093NL	Pulse
5	TP1, TP2, TP3, TP5, TP6	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
1	U1	TLV431AIDBZ	IC, Low-Voltage Adjustable Shunt Regulator	SOT23-3	TLV431AIDBZ	TI
1	U2	UCC28810D	IC, TM LED Lighting Power Controller	SO8	UCC28810D	Texas Instruments

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