

PMP4862_REVD BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
4	C1, C18, C27, C36	0.22uF	Capacitor, Ceramic, 250-V, X7R, 20%	1210	C3225X7R2E224M	TDK
6	C10, C11, C15, C25, C34, C43	1000pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H102K	TDK
2	C12, C13	47pF	Capacitor, Ceramic, 50V, C0G, 5%	0603	C1608C0G1H470J	TDK
1	C14	0.47uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H474K	TDK
1	C16	4.7uF	Capacitor, Ceramic, 16V, X7R, 15%	0805	Std	STD
1	C17	68uF	Capacitor, Aluminum Electrolytic, 16V	0.200 * 0.435 inch	25V ZL 68uF 6.3 X 7	Rubycon
12	C19, C23, C24, C26, C28, C32, C33, C35, C37, C41, C42, C44	100pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H101K	TDK
1	C2	820uF	Capacitor, Aluminum, 200V	1.380 dia * 1.970 inch	ECOS2DA821EA	Panasonic
3	C21, C30, C39	0.01uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H102K	TDK
3	C22, C31, C40	1uF	Capacitor, Ceramic, 16V, X7R, 20%	0603	C1608X7R1C105M	TDK
1	C3	1uF	Capacitor, EMI Suppression, MKP	1.240 x 0.492 inch	B81130-C1105-M	Epcos
1	C4	0.01uF	Capacitor, Polyester Film, 400V, 10%	0.311 x 0.213 inch	ECQ-E4103KB	Panasonic
1	C5	0.22uF	Capacitor, EMI Suppresion, 275V	0.709 x 0.236 inch	B81130-C1224	Epcos
2	C6, C8	470uF	Capacitor, Aluminum Electrolytic, 25V	0.315 inch	25V ZL 470uF 8 X 20	Rubycon
6	C7, C20, C29, C38, C100, C102	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H104K	TDK
1	C9	1000pF Y1	Capacitor, Cer. Disc, 250V, Y1	0.394 X 0.315 inch Max.	ECK-ANA102MB	Panasonic
1	D1	MUR1640CT	Diode, Dual Ultrafast, 400V, 16A	TO-220	MUR1640CT	ON Semi
1	D100	18V	Diode, Zener, 18V, 3W	SMB	1SMB5931BT3	On Semi
2	D101, D102	62V	Diode, Zener, 62-V, 1W	SMA	1SMA5944BT3	ON Semi
1	D11	MMBD1501A	Diode, Standard, 200-V, 200-mA	SOT23	MMBD1501A	Fairchild
3	D12, D15, D18	ES3C	Diode, Ultrafast, 150V, 3A	DO-214AB	ES3C	Diodes Inc.
3	D13, D16, D19	5.1V	Diode, Zener, 5.1-V	SOT23	BZX84C5V1LT1	ON Semiconductor
3	D14, D17, D20	BAV99	Diode, Dual Ultra Fast, Series, 200-mA, 70-V	SOT23	BAV99	Fairchild
4	D2, D7, D9, D10	MMSD914	Diode, Switching, 100-V, 200-mA, 225-mW	SOD-123	MMSD914T1	On Semi
1	D3	GBU406	Diode, Bridge Rectifier, 4A, 600 V	0.935 X 0.280 inch	GBU406	Diodes Inc.
2	D4, D5	MURA160T3	Diode, Rectifier, 1A, 600V	SMA	MURA160T3	ON Semiconductor
1	D6	US1K-13	Diode, Rectifier, 1A, 800V	SMA	US1K-13	Diodes Inc
1	D8	6.8V	Diode, Zener, 6.8-V, 225-mW	SOT23	MMBZ5235BLT1	ON Semi
1	F1	5A/250V	Fuse, TR5 Series, 5A, 250V	0.335	3701500041	Wickmann
3	F5, F6, F7	1A	Fuse, Fast-Acting, 125 VAC, 1A	4.00 x 8.5 mm	395 1100	Littelfuse
2	HS1, HS2	{Value}	Heatsink, TO-220/218 veritcal	0.640 x 0.640	634-10ABP	Wakefield
3	J2, J3, J4	PEC36SAAN	Header, Male 2-pin, 100mil spacing, (36-pin strip)	0.100 inch x 2	PEC36SAAN	Sullins
3	J7, J8, J9	PEC36SAAN	Header, Male 5-pin, 100mil spacing, (36-pin strip)	0.100 inch x 5	PEC36SAAN	Sullins
1	L1	470uH	Inductor, SMT, Isat 1.64-A, 786-milliohm	0.484 x 0.484 inch	MSS1278T-474KL	Coilcraft
1	L2	33uH	Inductor, SMT, 1.1A, 310 milliohm	0.250 x 0.250 inch	MSS6132-333ML	Coilcraft
3	L4, L5, L6	470uH	Inductor, SMT, 0.5A, 1.3ohm	0.51x0.37 inch	DO3316P-474	Coilcraft
1	L7	2.5mH	Inductor, Coupled, 1.2A	0.906 x 0.748 inch	UU15.6V-252LF	GCI
2	Q1, Q4	MMBT3904	Bipolar, NPN, 40-V, 200-mA, 225-W	SOT23	MMBT3904LT1	On Semiconductor
1	Q2	SPP11N80C3	MOSFET, N-ch, 800-V, 11-A, 450-milliOhms	TO-220V	SPP11N80C3	Infineon
1	Q3	MMBT2907	Bipolar, PNP, 60V, 600mA	SOT23	MMBT2907LT1	On Semiconductor
3	Q5, Q9, Q13	FDS2670	MOSFET, N-Chan, 200V, 130m-ohm, 3A	SO8	FDS2670	Fairchild
3	Q6, Q10, Q14	MMDT5401	Transistor, NPN, Dual, 150V, 200ma	SOT-363	MMDT5401	Diodes
6	Q7, Q8, Q11, Q12, Q15, Q16	2N7002	MOSFET, N-ch, 60-V, 115-mA, 1.2-Ohms	SOT23	2N7002W	Diodes
1	R1	33	Resistor, Chip, 1/2W, 1% anti-surge	1210	ERJ-P14J330U	Panasonic
1	R10	15k	Resistor, Chip, 1/16W, 1%	0603	Std	Std

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1	R100	100k	Resistor, 1/4W, 5%	1210	Std	Std
1	R11	150k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R12, R20	10	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R13	4.99k	Resistor, Chip, 1/10W, 1%	0805	Std	Std
2	R14, R15	787k	Resistor, Chip, 1/4W, 5%	1210	Std	Std
1	R17	100	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R18	22.1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
15	R19, R25, R33, R35, R42, R43, R50, R52, R59, R60, R67, R69, R76, R77, R101	10k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R2, R5	51.1k	Resistor, Chip, 1/2W, 5%	2010	Std	Std
1	R21	1k	Resistor, Chip, 1/10W, 1%	0805	Std	Std
7	R22, R36, R45, R53, R62, R70, R79	1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R23	1MEG	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R24	0.1	Resistor, Chip, 1-W, 1%	2512	Std	Std
1	R26	3.40k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R27	10k	Resistor, Chip, 1/10W, 1%	0805	Std	Std
1	R28	23.2k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
4	R29, R39, R56, R73	20k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
4	R3, R4, R6, R7	100k	Resistor, Chip, 1-W, 1%	2512	Std	Std
4	R30, R38, R55, R72	4.99k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
3	R31, R48, R65	1	Resistor, 1/4W, 5%	1210	Std	Std
3	R32, R49, R66	499	Resistor, Chip, 1/16W, 1%	0603	Std	Std
3	R34, R51, R68	365k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
3	R37, R54, R71	0.27	Resistor, Chip, 1/10W, 5%	0805	STD	STD
3	R40, R57, R74	499k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
3	R41, R58, R75	49.9k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
6	R46, R47, R63, R64, R80, R81	100k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
5	R8, R16, R44, R61, R78	0	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R9	49.9	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	T1	G095026LF	Transformer, Flyback 125 W	30.5 x 32.00 mm	G095026LF	GCI
5	TP1, TP2, TP4, TP5, TP6	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
2	TP3, TP7	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
1	U1	UCC28810D	IC, TM LED Lighting Power Controller	SO8	UCC28810D	Texas Instruments
1	U2	LTV-817M	OPTOISOLATOR 1CH 4-DIP	DIP-4	LTV-817M	LITE-ON Inc.
1	U3	TL431AIDBZ	IC, Precision Adjustable Shunt Regulator	SOT23-3	TL431AIDBZ	TI
3	U4, U5, U6	TPS40210DGQ	IC, 4.5V-52V I/P, Current Mode Boost Controller	DGQ10	TPS40210DGQ	TI

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