

Filename: PMP6648C_bom.xls						
Date: 04/13/2011						
PMP6648C BOM						
COUNT	RefDes	Value	Description	Size	Part Number	Mfr
2	C1, C2	.1u	Capacitor, Leaded, Metalized Film, 400 VDC, 125C, 20 ±%	0.310 x 0.310 inch	B32529D6104M	Epcos
2	C11, C13	1.0u	Capacitor, Ceramic, 25V, X7R, 10%	0805	std	STD
1	C12	4.7u	Capacitor, Ceramic, 25V, X7R, 10%	1206	std	STD
1	C3	0.01uF	Capacitor, Leaded, 400V, Metalized Film, 125C, 20 +/-%	0.177 x 0.287 inch	B32529C6103	Epcos
1	C4	1.0u	Capacitor, Ceramic, 250V, X7R, 20%	2220	C5750X7R2E105M	TDK,
1	C5	.1U	Capacitor, Ceramic, 630V, X7R, +/-15%	1825	Std	STD
1	C6	270p	Capacitor, Ceramic, 25V, X7R, 10%	0603	std	STD
2	C7, C10	.01u	Capacitor, Ceramic, 25V, X7R, 10%	0603	std	STD
1	C8	0.47u	Capacitor, Ceramic, 10V, X7R, 10%	0603	std	STD
1	C9	1000p	Capacitor, Ceramic, 25V, X7R, 10%	0603	std	STD
1	D1	BAS21-03W	Diode, High-Speed Switching, 250-mA, 200-V	SOD-323	BAS21-03W	Infineon
1	D2	HD04	Bridge Rectifier, 400V, 0.8A, Glass Passivated, SMD	MINI DIP4	HD04-T	Diodes, Inc
1	D3	ES1G	Rectifier, Ultrafast Power, 400V 1A	403D	ES1G	DIODES INC
1	D4	MM5Z12VT1	Diode, Zener, 12V, 10mA, 200mW, 5%	SOD-523	MM5Z12VT1	On Semi
2	D5, D6	MM5Z15VT1	Diode, Zener, 15V, 10mA, 200mW, 5%	SOD-523	MM5Z15VT1	On Semi
1	F1	C1Q 1	Fuse, Fast-Acting 1A,125VAC	1206	C1Q 1	Bel
1	L1	470 uH	Inductor, SMT, 190mA, 7.0 Ohms	4.00 X 4.50 mm	SDR0403-471KL	Bourns
1	L2	10mH	Inductor, Filter Choke, ±10%	10.50 mm Dia	744772103	WE
1	Q1	FCX558TA	Transistor, PNP High Voltage, VCE -400V, IC 200mA	SOT89	FCX558TA	Zetex
1	Q2	STN3N45K3	MOSFET, Nch, 600V, 0.4 A, 8.5 Ohm	TO-92	STN3N45K3	ST
1	Q3	MMBT3906T	Bipolar, PNP, -40V, -200mA, -200mW	SOT-523	MMBT3906T-7-F	Diodes
1	R1	33	Resistor, 1/2W, 5%	1210	Std	Std
1	R10	20K	Resistor, Chip, 1/16W,1%	0603	Std	Std
1	R11	10K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R12	4.22k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R13	200k	Resistor, 1/4 watt, ± 5%	1206	Std	Std
1	R14	4.64k	Resistor, Chip, 1/16W,1%	0603	Std	Std
1	R15	54.9k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R16	29.4k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R2	365	Resistor, Metal Film, 1/4 watt, ± 5%	1206	Std	Std
1	R3	1k	Resistor, 1/4 watt, ± 5%	1206	Std	Std
1	R4	5.11K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R5	301K	Resistor, 1/4 watt, ± 5%	1206	Std	Std
1	R6	10	Resistor, Chip, 1/16W,1%	0603	Std	Std
1	R7	3.01K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R8	4.3	Resistor, 1/2W, 5%	1210	Std	Std
1	R9	3.3	Resistor, 1/2W, 5%	1210	Std	Std

4	TP1, TP2, TP3, TP4	STD	Test Point, 0.032 Hole		STD	STD
1	U1	TPS92001DGK	GENERAL PURPOSE LED LIGHTING PWM CONTROLLER, 10V Startup	DGK8	TPS92001DGK	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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