Filename: PMP5734 REV_B_bom.xls

Date: 09/30/2011

PMP5734 REV_B BOM

COUNT	RefDes	Value	Description	Size	Part Number	MFR
1	C3	0.047uF	Capacitor, Ceramic, 630V, X7R, 20%	1210	C3225X7R2J473M	TDK
1	C4	330pF	Capacitor, Ceramic, 630V, C0G, NP0, ±5%	1206	Std	Std
1	C8	680uF	Capacitor, Aluminum, 13V, 105C, 20%	0.315 inch	EKZM160ESS681MH15D	Nippon Chemi-Con
1	C10	1000pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H102K	TDK
1	C11	470pF	CAP 250VAC CERAMIC Y2/X1	0.236 x 0.315 inch	ECK-NVS471KB	Panasonic
1	C12	10pF	Capacitor, Ceramic, 50V, C0G, 10%	0603	STD	STD
1	C14	47uF	Capacitor, Aluminum, SM, ±20%, 35V,	D Code	EEEFK1V470P	Panasonic
1	C16	1nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
1	C17	1000pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
1	C100	0.047uF	Capacitor, Ceramic, 16V, X7R, 10%	0603	Std	Std
2	C1-2	6.8uF	Capacitor, Aluminum, 400V, 105C, 20%	0.315 inch	400AX680Mxxxyy8x10.8mm	Rubycon
3	C5-7	22uF	Capacitor, Ceramic, 16V, X7R, 20%	1210	C3225X7R1C226M	TDK
3	C9 C13 C15	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H104K	TDK
1	D1	RH06-T	Diode, Bridge, 0.5-A, 600-V	MiniDIP	RH06-T	Diodes
1	D3	US1K	Diode, Rectifier, 1A, 800V	SMA	US1K	Diodes
1	D5	MBR0520L	Diode, Schottky, 0.5A, 20V	SOD-123	MBR0520L	Fairchild
1	D100	20V	Diode, Zener, 20-V, 350-mW	SOT-23	BZX84C20LT1	ON Semi
2	D2 D4	BAS21	Diode, Switching, 200-mA, 200-V, 330-mW	SOT23	BAS21	Zetex
1	L1	1mH	Inductor, Power, 0.25A, 3.4 Ohms	0.350 x 0.300 inch	RFB0807-102L	Coilcraft
1	L2	1.2uH	Inductor, SMT, 5.3A, 17milliohm	0.235 x 0.380	DO1813HC-122ML	Coilcraft
1	Q3	Si7812DN	MOSFET, Fast Switching, NChan, 75V, 37millohm	PWRPAK 1212	Si7812DN	Vishay
1	Q4	MMBT2907	Bipolar, PNP, 60V, 600mA	SOT23	MMBT2907LT1	On Semiconductor
1	Q5	SPD04N80C3	MOSFET, N-ch, 800V, 4-A, 1.3 ohm	DPAK	SPD04N80C3	Infineon
2	Q1-2	MMBT2222A	Bipolar, NPN, 40V, 600mA	SOT23	MMBT2222ALT1	ON Semiconductor
1	R1	2.2	Resistor, Chip, 1/16W, 5%	0805	Std	Std
1	R2	100	Resistor, Chip, 1/10W, 5%	0805	CRCW0805-xxx-J	Vishay
1	R3	220K	Resistor, Chip, 1/2W, 1%	2010	Std	Vishay
1	R5	4.7	Resistor, Fusible Power, 1W	0.300 X 0.100 inch	NFR0100004708JR500	Vishay
1	R7	100	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R8	470	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R10	22k	Resistor, Chip, 1/16W, 5%	0603	CRCW0603-xxx-J	Vishay
1	R11	169k	Resistor, Chip, 1/16W, 1%	0603	CRCW0603-xxxx-F	Vishay
1	R12	10	Resistor, Chip, 1/16W, 5%	0805	Std	Std
1	R13	61.9k	Resistor, Chip, 1/16W, 1%	0603	CRCW0603-xxxx-F	Vishay
1	R15	82k	Resistor, Chip, 1/16W, 1%	0603	CRCW0603-xxxx-F	Vishay
1	R16	49.9	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R17	4.75k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R18	100k	Resistor, Chip, 1/16W, 1%	0603	Std	Std

1	R19	20k	Resistor, Chip, 1/16W, 1%	0603	CRCW0603-xxxx-F	Vishay
1	R21	23.7k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R101	33	Resistor, Chip, 1/16W, 5%	0805	Std	Std
2	R14 R20	100k	Resistor, Chip, 1/16W, 1%	0603	CRCW0603-xxxx-F	Vishay
2	R4 R6	3MEG	Resistor,1/4 watt, 5%	1206	Std	Std
2	R9 R102	1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	T1	PA1005.100NL	Transformer, Current Sense, 100:1	0.284 x 0.330 inch	PA1005.100NL	Pulse
1	T2	800uH	Transformer, Flyback	0.840 x 1.150 inch	SP-EFD 20 Rel. 18/08/2011	Kaschke
1	TP1	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
3	TP2-3 TP5	5002	Test Point, White, Thru Hole Color Keyed	0.100 x 0.100 inch	5002	Keystone
1	U1	UCC28610D	IC, Flyback Green-Mode Controller	SO8	UCC28610D	TI
1	U2	TCMT1107	IC, Photocoupler	MF4	TCMT1107	Vishay
1	U3	TL432A	IC, Precision Adjustable Shunt Regulator	SOT23-3	TL432AIDBZR	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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