

Filename: PMP5600 REV_B_bom.xls

Date: 10/29/2010

PMP5600 REV_B BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
1	C1	0.068uF	Capacitor, Film, 275VAC, 20%	0.689 x 0.217 inch	ECQU2A683ML	Panasonic
1	C2	22uF	Capacitor, multi pattern, SM 1210 to E case + F THole	12.5mm	EKXG401ESS220MK20S	Nippon Chemi-Con
1	C3	0.01uF	Capacitor, Ceramic, 250V, COG, 10%	1206	Std	TDK
1	C4	10uF	Capacitor, Ceramic, 25V, X7R, 10%	1206	STD	TDK
1	C6	100uF	Capacitor, Aluminum Electrolytic, 25V	6.3mm	EKZE250ESS101MF11D	Nippon Chemi-Con
3	C7	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H104K	TDK
3	C10	470pF	CAP 250VAC CERAMIC Y2/X1	0.236 x 0.315 inch	ECK-NVS471KB	Panasonic
	C12	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H104K	TDK
1	C13	56uF	Capacitor, Aluminum Electrolytic, 35V	0.248 inch	35V ZL 56uF 6.3 X 11	Rubycon
	C14	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H104K	TDK
1	C20	2.2nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	TDK
1	C21	100pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H101K	TDK
	C22	470pF	CAP 250VAC CERAMIC Y2/X1	0.236 x 0.315 inch	ECK-NVS471KB	Panasonic
	C23	470pF	CAP 250VAC CERAMIC Y2/X1	0.236 x 0.315 inch	ECK-NVS471KB	Panasonic
1	C24	1000pF	Capacitor, Ceramic, 50V, COG, 10%	0603	Std	Std
1	C100	680uF	Capacitor, Aluminum, 25V, 105C, 20%	0.315 inch	25V ZL 680uF 20% 10x25mm	Rubycon
1	C101	3.3uF	Capacitor, Aluminum, SM, 35V	5 x 5.8 mm	EEVFK1V3R3	Panasonic
1	D1	RH06-T	Diode, Bridge, 0.5-A, 600-V	MiniDIP	RH06-T	Diodes
1	D2	MURA160T3	Diode, Rectifier, 1A, 600V	SMA	MURA160T3	ON Semiconductor
1	D3	B3100	Diode, Schottky, 3-A, 100-V	SMC	B3100	Diodes Inc.
1	D4	MMSD914	Diode, Switching, 100-V, 200-mA, 225-mW	SOD-123	MMSD914T1	On Semi
1	D5	MBR0520L	Diode, Schottky, 0.5A, 20V	SOD-123	MBR0520L	Fairchild
1	D6	10V	Diode, Zener, 10-V, 350-mW	SOT-23	BZX84C10LT1	ON Semi
1	D100	GREEN	Diode, LED, Green, 2.1-V, 25-mcd, SM	1210	SML-LX2832GC-TR	Lumex
1	D101	20V	Diode, Zener, 20-V, 350-mW	SOT-23	BZX84C20LT1	ON Semi
1	D102	BAS40-04LT1	Diode, Dual series Schottky, 40-V	SOT23	BAS70-04LT1	On Semi
1	J1	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED555/2DS	OST
1	L1	AF5169-146	Inductor, AC-Line Common Mode Choke	0.539 x 0.606 inch	AF5169-146	Vitec
1	L2	2.2uH	Inductor, SMT, yyA, zzmiliohm	0.51x0.37 inch	DO3316P-222	Coilcraft
1	Q1	IRFBC30AS	MOSFET, Nchan, 600V, 3.6A, 2.2 ohm	TO-262	IRFBC30AS	IR
2	Q2	2N7002	MOSFET, N-ch, 60-V, 115-mA, 1.2-Ohms	SOT23	2N7002	Diodes
	Q100	2N7002	MOSFET, N-ch, 60-V, 115-mA, 1.2-Ohms	SOT23	2N7002	Diodes
1	Q101	BC557	Trans, PNP, 50V, 100mA,	SOT-23	BC85xx	Philips
1	R1	10	Resistor, Fusible Power, 1W	0.300 X 0.100 inch	NFR0100001008JR500	Vishay
1	R2	200k	Resistor, Chip, 1/4W, 5%	1210	Std	Std
2	R3	3MEG	Resistor, 1/4 watt, 5%	1206	Std	Std
	R4	3MEG	Resistor, 1/4 watt, 5%	1206	Std	Std
1	R5	1	Resistor, Chip, 1/16W, 5%	0805	Std	Std
1	R6	187k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R7	10	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	R8	10	Resistor, Chip, 1/16W, 1%	0603	Std	Std

1	R11	51.1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R12	68.1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R13	60.4k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R17	49.9	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R18	1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R19	2k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R20	44.2k 0.1%	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R21	20k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R22	100k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R23	10k 0.1%	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R24	475k	Resistor, 1/4 watt, 5%	1206	Std	Std
	R25	100k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R26	3.3k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R100	464 1%	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R101	511 0.5%	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R102	150	Resistor, Metal Oxide, xxxOhms, 1W, 5%	2512	STD	STD
1	R103	150k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R104	15k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R105	48.7k 0.5%	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R106	75k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R107	10k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	T1	250 uH	Transformer, ±10% @100KHz	0.950 x 0.950 inch	AF5163A	Vitec Electronics Corp.
5	TP1	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
4	TP2	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP3	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP5	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP6	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
2	TP7	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
	TP11	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP12	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
3	TP16	5000	Test Point, White, Thru Hole Color Keyed	0.100 x 0.100 inch	5002	Keystone
	TP17	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP18	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP22	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP100	5000	Test Point, White, Thru Hole Color Keyed	0.100 x 0.100 inch	5002	Keystone
	TP101	5000	Test Point, White, Thru Hole Color Keyed	0.100 x 0.100 inch	5002	Keystone
1	U2	UCC28610D	IC, Flyback Green-Mode Controller	SO8	UCC28610D	TI
1	U4	H11A817A	IC, Optocoupler, 5300-V, 80-160% CTR	0.380 x 0.180 inch	H11A817A	Fairchild
1	U5	TL431B	IC, Precision Adjustable Shunt Regulator	SOT23-3	TL431BIDBZR	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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