

Filename: PMP2807_A_bom.xls

Date: 07/11/2007

PMP2807_A BOM

COUNT	RefDes	DESCRIPTION	SIZE	MFR	Part Number	Value
1	C1	Capacitor, Ceramic, 50V, C0G, 5%	0603	TDK	C1608C0G1H101J	100pF
1	C10	Capacitor, Aluminum, 6.3-V, 20%, FK Series	0.217 x 0.169	Panasonic	EEVFK0J101P	100uF
1	C11	Capacitor, Ceramic, 6.3VV, X5R	1210	Std	Std	22uF
1	C12	Capacitor, Ceramic, 50V, X7R, 10%	0603	TDK	C1608X7R1H392K	3900pF
1	C13	Capacitor, Ceramic, 0.47-uF, 16-V, X7R, 10%	0805	Panasonic	ECJ-2YB1C474K	0.47uF
2	C14, C15	Capacitor, Ceramic, 10-uF, 25-V, X5R, 20%	1206	Panasonic	ECJ-3YB1E106M	10uF
1	C16	Capacitor, Ceramic, 10-uF, 6.3-V, X5R, 20%	0805	Panasonic	ECJ-2FB0J106M	10uF
1	C17	Capacitor, Ceramic, 6.3V, X5R	1210	std	Std	47uF
1	C18	Capacitor, Ceramic, 0.01uF, 16-V, X7R, 10%	0603	Std	Std	0.01uF
2	C19, C22	Capacitor, Ceramic, 10-uF, 16-V, X7R	1206	Std	Std	10uF
2	C2, C3	Capacitor, Ceramic, 50-V, X5R, 20%	1210	TDK	C3225X5R1H335M	3.3uF
2	C20, C23	Capacitor, Ceramic, 1-uF, 16-V, X7R	0603	std	std	1uF
1	C21	Capacitor, Aluminum, 6.3V, ±20%, 0.36ohms	.260 x 0.276 inc	Panasonic	EEVFK0J101P	100uF
1	C24	Capacitor, Aluminum, 6.3V, 20%, 80mohms	0.457 x 0.406	Panasonic	EEVFK0J152P	1500uF
2	C25, C28	Capacitor, Ceramic, 0.1-uF, 50-V, X7R, 15%	0603	TDK	Std	0.1uF
2	C26, C29	Capacitor, Ceramic, 16V, X7R	0805	std	std	2.2uF
2	C27, C30	Capacitor, Ceramic, 0.01uF, 50-V, X7R, 15%	0603	TDK	Std	0.01uF
1	C31	Capacitor, Ceramic, 16-V, X7R	1206	Std	Std	open
1	C4	Capacitor, Aluminum, SM, FK series	10x12mm	Panasonic	EEVFK1H221P	220uF
1	C5	Capacitor, Ceramic, 50V, X7R, 10%	0603	TDK	C1608X7R1H153K	0.015uF
1	C6	Capacitor, Ceramic, 50V, X7R, 10%	0603	TDK	C1608X7R1H681K	680pF
1	C7	Capacitor, Ceramic, 16V, X7R, 10%	0603	TDK	C1608X7R1C474M	0.47uF
1	C8	Capacitor, Ceramic, 50V, X7R, 10%	0603	TDK	C1608X7R1H104K	0.1uF
1	C9	Capacitor, Ceramic, 50V, X7R, 10%	0603	TDK	C1608X7R1H151K	150pF
1	D1	Diode, Schottky, 3-A, 60-V	SMC	On Semi	MBRS360T3	MBRS360
2	D2, D4	Diode, LED, Green, 2.1-V, 20-mA, 6-mcd	0603	Liteon	160-1183-1-ND	Green
1	D3	Diode, LED, Red, 1.8-V, 20-mA, 20-mcd	0603	Liteon	160-1181-1-ND	Red
2	D5, D6	Diode, Schottky, 1000-mA, 20-V	SOD123	On Semi	MBR120ESFT1	MBR120ESFT1
5	J1, J2, J3, J5, J6	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35 inch	OST	D120/2DS	D120/2DS
1	J4	Terminal Block, 3-pin, 15-A, 5.1mm	0.60 x 0.35 inch	OST	D120/3DS	D120/3DS
2	J7, J8	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35		ED1609	ED1609-ND
1	L1	Inductor, SMT, 3.23A, 60milliohm	0.492 sq"	Coiltronics	DR127-330-R	33uH
1	L2	Inductor, SMT, 0.9A, 230milliohm	0.26x0.09 inch	Coilcraft	DO1608C-153	15uHy
1	L3	Inductor, SMT, 2A, 80milliohm	0.26x0.09 inch	Coilcraft	DO1608C-332	3.3uHy

1	Q1	Transistor, MOSFET, Pch, -3A, -60V, 105 milliohm	SuperSOT-6	Fairchild	FDC5614P	FDC5614P
2	Q2, Q3	MOSFET, P-ch, -30-V, 1.95-A, 155-milliOhms	SOT23	On Semi	NTR4502P	NTR4502P
1	R1	Resistor, Chip, 1/16W, 1%	0603	Std	Std	69.8k
3	R10, R11, R12	Resistor, Chip, 1.5K-Ohms, 1/16-W, 1%	0603	Std	Std	1.5K
3	R13, R15, R20	Resistor, Chip, 100K-Ohms, 1/16-W, 1%	0603	Std	Std	100k
1	R14	Resistor, Chip, 0-Ohms, 1/16-W, 1%	0603	Std	Std	0
1	R16	Resistor, Chip, 10k-Ohms, 1/16-W, 1%	0603	Std	Std	10k
1	R17	Resistor, Chip, 1/10W, 1%	0805	Std	Std	825
1	R18	Resistor, Chip, 30.1k-Ohms, 1/16-W, 1%	0603	Std	Std	30.1k
1	R19	Resistor, Chip, 1/16-W, 1%	0603	Std	Std	32.4k
1	R2	Resistor, Chip, 1/10W, 5%	0805	Std	Std	0.01
1	R21	Resistor, Chip, 1/10W, yy%	0805	Std	Std	0.27
2	R22, R28	Resistor, Chip, 10K, 1%, 0603	0603	Std	Std	10K
4	R23, R24, R29, R30	Resistor, Chip, 0-Ohms, 0603	0603	Std	Std	0
1	R25	Resistor, Chip, 60.4K, 1%, 0603	0603	Std	Std	60.4K
2	R26, R32	Resistor, Chip, 121k, 1%, 0603	0603	Std	Std	121k
1	R27	Resistor, Chip, 1/8W, yy%	1206	Std	Std	0.05
1	R3	Resistor, Chip, 1/16W, 1%	0603	Std	Std	1k
1	R31	Resistor, Chip, 1%, 0603	0603	Std	Std	210k
1	R4	Resistor, Chip, 1/16W, 1%	0603	Std	Std	0
1	R5	Resistor, Chip, 1/16W, 1%	0603	Std	Std	5.76k
3	R6, R33, R34	Resistor, Chip, 1/16W, 1%	0603	Std	Std	10k
1	R7	Resistor, Chip, 1/16W, 1%	0603	Std	Std	4.22k
1	R8	Resistor, Chip, 1/16W, 1%	0603	Std	Std	1.62k
1	R9	Resistor, Chip, 1/16W, 1%	0603	Std	Std	49.9
15	TP1, TP5, TP7, TP8, TP10, TP12, TP13, TP18, TP20, TP23, TP25, TP28, TP30, TP31, TP33	Test Point, Red, Thru Hole Color Keyed	.100 x 0.100 inc	Keystone	5000	5000
11	TP2, TP3, TP6, TP11, TP17, TP21, TP22, TP26, TP27, TP29, TP32	Test Point, Black, Thru Hole Color Keyed	.100 x 0.100 inc	Keystone	5001	5001
3	TP4, TP19, TP24	Test Point, SMT	.105 x 0.040 inc	Keystone	5015	5015

	TP9, TP14, TP15,					
4	TP16	Test Point, 0.032 Hole		None	Void	
1	U1	IC, Low Cost Sync Buck Controller	SO-8	Texas Instruments	TPS40200D	TPS40200D
1	U2	IC, Single-IC Charge and System Power Path Management	QFN	TI	bq24070RHL	BQ24070RHL
2	U3, U4	IC, Step-Down Controller	SOT23-6	TI	TPS64203DBV	TPS64203DBV
1	U5	IC, UltraLow-Noise, High PSRR, Fast RF 200 mA, LDO Regulat	SOT23-6	TI	TPS73018DBVR	TPS73018DBVR
1	U6	IC, UltraLow-Noise, High PSRR, Fast RF 200 mA, LDO Regulat	SOT23-6	TI	TPS73033DBVR	TPS73033DBVR

- 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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