

Date: 11/21/2006					
PMP1908_REVB BOM					
COUNT	RefDes	Description	Size	MFR	Part Number
1	C25	Capacitor, Ceramic, 0.015uF, 25V, X7R, 10%	603	Std	Std
2	C57, C60	Capacitor, Ceramic, 0.01uF, 25V, X7R	603	Std	Std
3	C17, C34, C50	Capacitor, Ceramic, 0.022uF, 25V, X7R, 10%	603	Std	Std
9	C6, C16, C19, C20, C27, C35, C39, C49, C52	Capacitor, Ceramic, 0.1uF, 16V, X7R, 10%	603	Std	Std
2	C53, C54	Capacitor, Ceramic, 0.1-uF, 50V, X7R	603	Std	Std
2	C18, C51	Capacitor, Ceramic, 1000pF, 50V, X7R, 10%	603	Std	Std
5	C5, C15, C24, C38, C48	Capacitor, Ceramic, 100pF, 50V, NPO, 10%	603	Std	Std
4	C14, C29, C33, C47	Capacitor, Ceramic, 1uF, 16V, X7R, 15%	603	TDK	STD
2	C7, C40	Capacitor, Ceramic, 2700pF, 50V, X7R,10%	603	Std	Std
3	C55, C56, C58	Capacitor, Ceramic, 3300pF, 25V, X7R	603	Std	Std
1	C26	Capacitor, Ceramic, 330pF, 50V, NPO, 10%	603	Std	Std
1	C21	Capacitor, Ceramic, 4700pF, 25V, X7R, 10%	603	Std	Std
2	C8, C41	Capacitor, Ceramic, 47pF, 50V, NPO, 10%	603	Std	Std
2	C28, C59	Capacitor, Ceramic, 4.7uF, 16V, X5R, 15%	805	TDK	Std
2	C13, C46	Capacitor, Ceramic, 1uF, 50V, X7R, 20%	1206	TDK	C3216X7R1H105MT
4	C12, C22, C31, C45	Capacitor, Ceramic, 22uF, 10V, X5R, 20%	1206	TDK	C3216X5R1A226M
1	C23	Capacitor, Alum, 220uF, 10V, 0.26 Ohms, 20%	0.328"x0.354"	Panasonic	EEEFK1A221P
6	C1, C2, C3, C4, C36, C37	Capacitor, Tantalum, 68uF, 35V, 20%	7361[V]	AVX	TPSV686M035R0150
5	C9, C10, C30, C42, C43	Capacitor, Alum, 100uF, 8V, 12 milliohms, 20%	7343	Panasonic	EEFUE0K101R
1	D1	Diode, Schottky, 10A, 45V	Power DI	Diodes Inc.	PDS1045
1	D3	Diode, Schottky, 0.5A, 20V	SOD-123	Fairchild	MBR0520L
2	D2, D4	Diode, Signal, 300-mA, 75-V, 350-mW	SOD-123	Diodes, Inc.	1N4148W
2	D5, D7	Diode, Zener, 10V, 50uA	SOD-123	On Semi	MMSZ4697T1
1	D100	Diode, Zener, 16V, 50uA	SOD-123	On Semi	MMSZ4703T1
1	D8	Diode, Zener, 3.3V, 50uA	SOD-123	On Semi	MMSZ4687T1
1	D6	Diode, Switching, 10-mA, 85-V, 350-mW	SOT23	Vishay-Liteon	BAS16
1	F1	Fuse, SMF Very Fast Acting, 7A	0.240"x0.106"	Littelfuse	R451.007
2	L1, L3	Inductor, SMT, 1uH, 5.28A, 10.2 milliohm	0.300 sq"	Coiltronics	DR73-1R0-R
2	L2, L5	Inductor, SMT, 6.8uH, 10.3A, 9.4 milliohm	0.543"x0.516"	Cooper	HC9-6R8-R
1	L4	Inductor, SMT, 3.3uH, 3.94A, 18.3 milliohm	0.300 sq"	Coiltronics	DR74-3R3
4	Q1, Q3, Q8, Q10	MOSFET, N-Ch, 40V, 16.4A, 7.8 millohm	PWRPAK 1212	Vishay	Si7116DN
2	Q12, Q100	Bipolar, NPN, 40V, 200mA, 200mW	SC-75	On Semi	MMBT3904TT1
8	Q2, Q4, Q6, Q7, Q9, Q11, Q13, Q101	MOSFET, N-ch, 60-V, 115-mA, 7.5 Ohms	SOT23	Diodes Inc	2N7002
1	Q5	MOSFET, Dual Nch, 30V, 7.5A, 22 milliohm	SO8	Vishay	Si4804BDY
2	R7, R25	Resistor, Chip, 0 Ohms, 1/16-W	603	Std	Std
1	R31	Resistor, Chip, 1.5 Ohms, 1/16-W, 5%	603	Std	Std
1	R74	Resistor, Chip, 1.54K Ohms, 1/16-W, 1%	603	Std	Std
1	R83	Resistor, Chip, 1.87K Ohms, 1/16-W, 1%	603	Std	Std
1	R62	Resistor, Chip, 1.91K Ohms, 1/16-W, 1%	603	Std	Std
2	R28, R29	Resistor, Chip, 100 Ohms, 1/16-W, 1%	603	Std	Std
5	R9, R34, R44, R58, R91	Resistor, Chip, 100K Ohms, 1/16-W, 1%	603	Std	Std
13	R10, R12, R16, R18, R23, R30, R45, R47, R51, R53, R100, R101, R102	Resistor, Chip, 10K Ohms, 1%, 0603	603	Std	Std
1	R59	Resistor, Chip, 10K, 0.25W, 5%	1206	Std	Std

1	R38	Resistor, Chip, 12.7K Ohms, 1/16-W, 1%	603	Std	Std
1	R43	Resistor, Chip, 13.3K Ohms, 1/16-W, 1%	603	Std	Std
1	R2	Resistor, Chip, 15.8K Ohms, 1/16-W, 1%	603	Std	Std
2	R1, R22	Resistor, Chip, 165K Ohms, 1/16-W, 1%	603	Std	Std
2	R5, R41	Resistor, Chip, 18.2K Ohms, 1/16-W, 1%	603	Std	Std
11	R11, R20, R36, R46, R61, R66, R70, R73, R79, R82, R87	Resistor, Chip, 1K Ohms, 1/16-W, 1%	603	Std	Std
1	R26	Resistor, Chip, 1.33K Ohms, 1/16-W, 1%	603	Std	Std
7	R63, R68, R71, R72, R80, R81, R88	Resistor, Chip, 1Meg Ohms, 1/16-W, 1%	603	Std	Std
1	R27	Resistor, Chip, 2.49K Ohms, 1/16-W, 1%	603	Std	Std
1	R21	Resistor, Chip, 205 Ohms, 1/16-W, 1%	603	Std	Std
1	R37	Resistor, Chip, 237K Ohms, 1/16-W, 1%	603	Std	Std
3	R57, R77, R78	Resistor, Chip, 24.9K Ohms, 1/16-W, 1%	603	Std	Std
1	R6	Resistor, Chip, 261K Ohms, 1/16-W, 1%	603	Std	Std
5	R69, R75, R85, R86, R90	Resistor, Chip, 3.09K Ohms, 1/16-W, 1%	603	Std	Std
2	R4, R39	Resistor, Chip, 3.3 Ohms, 1/16-W, 5%	603	Std	Std
2	R32, R33	Resistor, Chip, 348K Ohms, 1/16-W, 1%	603	Std	Std
1	R42	Resistor, Chip, 365K Ohms, 1/16-W, 1%	603	Std	Std
3	R19, R35, R60	Resistor, Chip, 4.99K Ohms, 1%, 0603	603	Std	Std
2	R54, R56	Resistor, Chip, 4.99K, 0.25W, 5%	1206	Std	Std
1	R67	Resistor, Chip, 442 Ohms, 1/16-W, 1%	603	Std	Std
1	R76	Resistor, Chip, 453K Ohms, 1/16-W, 1%	603	Std	Std
1	R84	Resistor, Chip, 464 Ohms, 1/16-W, 1%	603	Std	Std
7	R13, R15, R17, R24, R48, R50, R52	Resistor, Chip, 49.9 Ohms, 1/16-W, 1%	603	Std	Std
5	R14, R49, R55, R64, R65	Resistor, Chip, 49.9K Ohms, 1/16-W, 1%	603	Std	Std
2	R8, R89	Resistor, Chip, 6.04K Ohms, 1/16-W, 1%	603	Std	Std
2	R3, R40	Resistor, Chip, 681K Ohms, 1/16-W, 1%	603	Std	Std
1	R92	Resistor, Chip, 69.8K Ohms, 1/16-W, 1%	603	Std	Std
2	U1, U4	IC, Wide Input Synchronuos Buck Controller	PWP16	Texas Instruments	TPS40055PWP
1	U10	IC, Voltage Supervisor, Adj	SOP-5 (DCK)	Texas Instruments	TPS3803-01DCKR
2	U2, U5	IC, CMOS, Op Amp, 3MHz, 550uA Rail-to-Rail	SOT23-5	Texas Instruments	TLV2371IDBV
1	U3	IC, Midrange Input Sync. Buck Controller	QFN-20	Texas Instruments	TPS40075RHL
2	U6, U7	IC, LinCMOS Micropower Quad Comparator	SO14	Texas Instruments	LM2901AVQDR
1	U8	IC, Precision Adjustable Shunt Regulator	SOT23-3	Texas Instruments	TL431IDBZ
1	U9	IC, Programmable Temperature Switch	SOT23-6	Texas Instruments	TMP300DBV
MISC					
1	J1	Header, 2x15-pin, 100mil spacing	0.100"x15x2	Sullins	PTC36DAAN
15	TP1, TP2, TP4, TP5, TP6, TP9, TP10, TP11, TP12, TP13, TP14, TP17, TP18, TP21, TP22	Test Point, Red, Thru Hole Color Keyed	0.100"x0.100"	Keystone	5000
7	TP3, TP7, TP8, TP15, TP16, TP19, TP20	Test Point, Black, Thru Hole Color Keyed	0.100"x0.100"	Keystone	5001

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