

	11/23/2011		PMP6963 REVB BOM			
Qty	Reference	Value	Description	Size	Part Number	Manuf
1	BD1	30 Ohms	FERRITE CHIP 30 OHM 5A 0603	1608	MPZ1608S300A	TDK
1	C17	0.068uF	Capacitor, Ceramic, 50V, X7R, 15%	603	STD	TDK
3	C3 C9 C11	0.1uF	Capacitor, Ceramic, 50V, X7R, 15%	603	STD	TDK
1	C10	1uF	Capacitor, Ceramic, 16V, X7R, 20%	603	STD	TDK
1	C18	2200pF	Capacitor, Ceramic, 50V, X7R, 10%	603	STD	TDK
2	C12 C14	270pF	Capacitor, Ceramic, 50V, NPO, 15%	603	STD	TDK
1	C15	27pF	Capacitor, Ceramic, 50V, NPO, 15%	603	STD	TDK
1	C13	4.7uF	Capacitor, Ceramic, 10V, X5R, 20%	603	STD	TDK
1	C16	68pF	Capacitor, Ceramic, 50V, NPO, 15%	603	STD	TDK
4	C2 C5-7	3.3uF	Capacitor, Ceramic, 100V, X7R, 15%	1210	C3225X7R2A335MT	TDK
1	C8	2200pF	Capacitor, Ceramic, 2200pF, 2KV, X7R, 10%	1812	1812GC222KAT	AVX
1	C1	390uF	Cap, 100V, 2.21Arms, 0.044 Ohms	16x25mm	100VZLH390uF20%16X25	Rubycon
2	D1 D8	BAS20	Diode, Switching, 200mA, 200V, 330mW	SOT23	BAS20LT1G	On Semi
2	D2 D4	10V	Diode, Zener, 10V, 500mW	SOD-123	MMSZ5240BT1	On Semi
2	D5-6	6.2V	Diode, Zener, 6.2V, 500mW	SOD-123	MMSZ5234BT1	On Semi
1	D3	MURS360T3	Diode, UltraFast, 3A, 600V	SMC	MURS360T3	On Semi
1	Q1	BSC160N10NS3G	MOSFET, Nch, 100V, 42A, 16 milliohm	TDSON-8	BSC160N10NS3G	Infineon
1	Q2	BSS123	MOSFET, Nch, 100V, 0.17A, 6 Ohm	SOT23	BSS123	Diodes Inc.
2	Q3-4	MMBTA06LT1	Bipolar, NPN, 80V, 500mA	SOT23	MMBTA06LT1	On Semi
2	R11, R13	0	Resistor, Chip, 1/16W, 1%	603	STD	STD
1	R8	4.7	Resistor, Chip, 1/16W, 1%	603	STD	STD
2	R9 R20	49.9	Resistor, Chip, 1/16W, 1%	603	STD	STD
2	R4, R14	100K	Resistor, Chip, 1/16W, 1%	603	STD	STD
1	R19	10K	Resistor, Chip, 1/16-W, 1%	603	STD	STD
1	R21	6.34K	Resistor, Chip, 1/16-W, 1%	603	STD	STD
1	R10	1K	Resistor, Chip, 1/16W, 1%	603	STD	STD
2	R16 R27	2K	Resistor, Chip, 1/16W, 1%	603	STD	STD
4	R3 R6-7, R18	30.1K	Resistor, Chip, 1/16W, 1%	603	STD	STD
1	R5	309K	Resistor, Chip, 1/16W, 1%	603	STD	STD
2	R12 R23	4.64K	Resistor, Chip, 1/16-W, 1%	603	STD	STD
1	R25	20	Resistor, Chip, 1/16W, x%	805	STD	STD
1	R24	44.2K	Resistor, Chip, 1/16W, x%	805	STD	STD
1	R15	0.015	Resistor, Metal Film, 1/4 watt, 5%	1206	STD	STD
1	R1	4.99K	Resistor, Chip, 0.25 W, 5%	2010	STD	STD
1	T1	10uH	Transformer, 10uH, 5.2Apk, 1:5:1.13 ratio	1.02x0.91"	750312791	Würth
1	U1	TPS40210DRC	IC, 52V, CM Boost Controller	DRC	TPS40210DRC	TI
1	U2	TCMT1107	IC, Photocoupler, CTR = 80% - 160%	MF4	TCMT1107	Vishay
1	U3	TL431A	IC, Precision Adjustable Shunt Regulator	SOT23-3	TL431AIDBZ	TI
MISC						

2	J1, J2	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25		OST
1	C4	DNP	Capacitor, Ceramic, 630V	1206	STD	TDK
1	C19	DNP	Capacitor, Ceramic, 16V, X5R, 20%	805	STD	TDK
1	D7	DNP	Diode, Switching, 200mA, 85V, 350mW	SOT23	STD	On Semi
1	R17	DNP	Resistor, Chip, 1/16W, 1%	603	STD	STD
1	R22	DNP	Resistor, Chip, 1/16-W, 1%	603	STD	STD
1	R2	DNP	Resistor, 1/2W, 5%	1210	STD	STD
7	TP1 TP3-4 TP7-10	5000	Test Point, Red, Thru Hole Color Keyed	0.1" x 0.1"		Keystone
2	TP2 TP5	5001	Test Point, Black, Thru Hole Color Keyed	0.1" x 0.1"		Keystone

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