

Date: 09/17/2010		PMP5910 REVB BOM				
COUNT	RefDes	Value	Description	Size	Part Number	MFR
1	C15	0.015uF	Capacitor, Ceramic, 50V, X7R, 15%	0603	std	std
2	C5,C13	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	std	std
1	C11	1uF	Capacitor, Ceramic, 16V, X7R, 20%	0603	std	std
2	C12, C14	270pF	Capacitor, Ceramic, 50V, NPO, 5%	0603	std	std
1	C16	33pF	Capacitor, Ceramic, 50V, NPO, 15%	0603	std	std
3	C7, C8, C9	22uF	Capacitor, Ceramic, 22uF, 16V, X7R, 20%	1210	C3225X7R1C226M	TDK
3	C2, C4, C6	3.3uF	Capacitor, Ceramic, 3.3uF, 50V, X7R, 20%	1210	C3225X7R1H335M	TDK
1	D1	PDS1045	Diode, Schottky, 10A, 45V	Power DI 5	PDS1045	Diodes Inc.
1	L1	22 uH	Inductor, SMT, 22uH, ±10%	15x15mm	JA4590AL	Coilcraft
1	Q1	Si7116DN	MOSFET, N-Ch, 40V, 16.4A, 7.8millohm	PWRPAK 1212	Si7116DN	Vishay
1	Q2	MMBT2222A	Bipolar, NPN, 40V, 600mA	SOT23	MMBT2222ALT1	ON Semi
1	Q3	MMBT2907	Bipolar, PNP, 60V, 600mA	SOT23	MMBT2907LT1	On Semi
1	R3	3.9	Resistor, Chip, 1/16W, 1%	0603	std	std
2	R1, R100	10	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R10	49.9	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R6	30.1K	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R4	1K	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R2	249K	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R11	3.09K	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R9	49.9K	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R5	0.02	Resistor, 1/4 watt, ± 5%	1206	Std	Std
1	U1	TPS40210	IC, 4.5V-52V, Current Mode Boost Controller	DGQ10	TPS40210DGQ	TI
MISC						
2	J1, J2	D120/2DS	Terminal Block, 2-pin, 15-A, 5.1mm	0.40" x 0.35"	D120/2DS	OST
2	TP1, TP4	5010	Test Point, Red, Thru Hole	0.125"x 0.125"	5010	Keystone
3	TP2, TP5, TP8	5011	Test Point, Black, Thru Hole	0.125"x 0.125"	5011	Keystone
1	TP3	5000	Test Point, Red, Thru Hole Color Keyed	0.100"x 0.100"	5000	Keystone
1	TP7	5002	Test Point, White, Thru Hole Color Keyed	0.100"x 0.100"	5002	Keystone

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