

Date: 08/23/2010		PMP5859.2 REVB BOM				
COUNT	RefDes	Value	Description	Size	Part Number	MFR
1	C13	0.1uF	Capacitor, Ceramic, 25V, X7R, 15%	0603	std	std
1	C14	150pF	Capacitor, Ceramic, 50V, COG, 15%	0603	std	std
4	C7, C8, C10, C12	1uF	Capacitor, Ceramic, 16V, X7R, 15%	0603	std	std
2	C9, C11	270pF	Capacitor, Ceramic, 50V, NPO, 5%	0603	std	std
1	C1	22uF	Capacitor, Ceramic, 16V, X7R, 15%	1210	C3225X7R1C226MT	TDK
1	C101	470uF	Capacitor, Alum, 6.3V, ±20%	0.328 x 0.390 inch	EEEFK0J471P	Panasonic
2	C5, C6	680uF	Capacitor, Alum, 16V, 0.85Arms	0.457 x 0.406	EEEFK1C681P	Panasonic
1	D2	MBRS330	Diode, Schottky, 3A, 30V	SMC	MBRS330T3	On Semi
1	L1	15uH	Inductor, SMT, 5.03A, 24.7 milliohm	0.492 x 0.492 inch	DR127-150-R	Cooper
1	Q3	MMBT2222A	Bipolar, NPN, 40V, 600mA	SOT23	MMBT2222ALT1	ON Semi
1	Q4	MMBT2907	Bipolar, PNP, 60V, 600mA	SOT23	MMBT2907LT1	On Semi
1	Q5	SI4172DY	MOSFET, Nch, 30V, 15A, 12 milliohm	SO8	SI4172DY	Vishay
1	R7	3.9	Resistor, Chip, 1/16W, 1%	0603	std	std
3	R1, R17, R100	10	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R18	487	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R14	100K	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R15	10K	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R10	1K	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R6	249K	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R16	0	Resistor, Chip, 1/10W, 1%	0805	Std	Std
1	R12	0.025	Resistor, 1/4 watt	1206	Std	Std
1	U1	TPS40210	IC, 4.5V-52V, Boost Controller	DGQ10	TPS40210DGQ	TI
MISC						
2	J1, J3	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED555/2DS	OST
2	TP1, TP5	5010	Test Point, Red, Thru Hole	0.125 x 0.125 inch	5010	Keystone
3	TP2, TP6, TP12	5011	Test Point, Black, Thru Hole	0.125 x 0.125 inch	5011	Keystone
1	TP7	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
3	TP8, TP9, TP10	5002	Test Point, White, Thru Hole Color Keyed	0.100 x 0.100 inch	5002	Keystone

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