

Date: 11/9/2010			PMP5959 REVB BOM			
COUNT	RefDes	Value	Description	Size	Part Number	Mfr
2	C7, C12	0.1uF	Capacitor, Ceramic, 25V, X7R, 10%	0603	Std	Std
2	C5, C16	1000pF	Capacitor, Ceramic, 50V, X7R,10%	0603	Std	Std
1	C8	15pF	Capacitor, Ceramic, 50V, NPO, 10%	0603	Std	Std
1	C13	1uF	Capacitor, Ceramic, 16V, X7R, 10%	0603	Std	Std
1	C9	2700pF	Capacitor, Ceramic, 50V, X7R,10%	0603	Std	Std
1	C15	0.1uF	Capacitor, Ceramic, 50V, X7R, 15%	0805	Std	TDK
1	C14	4.7uF	Capacitor, Ceramic, 16V, X7R, 15%	0805	Std	TDK
2	C1, C11	4.7uF	Capacitor, Ceramic, 50V, X7R, 15%	1210	C3225X7R1H475MT	TDK
4	C2, C3, C4, C10	150uF	Capacitor, Alum, 50V, 979mArms	0.315 inch	50VZL150uF20%10x12.5mm	Rubycon
1	L1	22uH	Inductor, 11A, 14.6 milliohms	18.2x18.3mm	74435572200	WE
2	Q1, Q2	BSC110N06NS3G	MOSFET, Nch, 60V, 50A, 11 milliohm	TDSON-8	BSC110N06NS3G	Infineon
1	R7	0	Resistor, Chip, 1/16-W, 1%	0603	Std	Std
1	R5	10	Resistor, Chip, 1/16-W, 1%	0603	Std	Std
1	R17	49.9	Resistor, Chip, 1%, 0603	0603	Std	Std
1	R16	100K	Resistor, Chip, 1/16-W, 1%	0603	Std	Std
4	R9, R12, R14, R18	10K	Resistor, Chip, 1/16-W, 1%	0603	Std	Std
1	R3	6.81K	Resistor, Chip, 1/16-W, 1%	0603	Std	Std
1	R15	2.10K	Resistor, Chip, 1/16-W, 1%	0603	Std	Std
1	R19	21.5K	Resistor, Chip, 1/16-W, 1%	0603	Std	Std
1	R10	43.2K	Resistor, Chip, 1/16-W, 1%	0603	Std	Std
1	R13	38.3K	Resistor, Chip, 1/16-W, 1%	0603	Std	Std
1	R4	24.9K	Resistor, Chip, 1/16-W, 1%	0603	Std	Std
2	R1, R2	249K	Resistor, Chip, 1/16-W, 1%	0603	Std	Std
1	U1	TPS40170RGY	IC, 4.5V-60V Sync Buck Controller	QFN-20	TPS40170RGY	TI
MISC						
1	J1	PEC03SAAN	Header, Male 3-pin, 100mil spacing,	0.100 inch x 3	PEC03SAAN	Sullins
1	J2	B3P-VH	Connector, 3-pin, Top, 0.156" spacing	0.426"x0.335"	B3P-VH	JST
1	J3	B2P-VH	Connector, 2-pin, Top, 0.156" spacing	0.465"x0.370"	B2P-VH	JST
9	TP1, TP2, TP5, TP6, TP7, TP8, TP11, TP12, TP13		Test Point, Red, 1mm	0.038"	240-345	Farnell
4	TP3, TP9, TP10, TP14		Test Point, Black, 1mm	0.038"	240-333	Farnell
3	R6, R8, R11	DNP	Resistor, Chip, 1/16-W, 1%	0603	Std	Std
1	C6	DNP	Capacitor, Ceramic, 50V, X7R,10%	0603	Std	Std

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