		31REVB_bom.xls					
Date: 04	/22/2009						
		PMP4531REVB BOM					
COUNT	RefDes	Value	Description	Size	Part Number	MFR	Area
6	C1	10uF	Capacitor, Ceramic, 25V, X7R, 10%	1210	GRM32DR71E106KA12L	Murata	83,600
	C2	10uF	Capacitor, Ceramic, 25V, X7R, 10%	1210	GRM32DR71E106KA12L	Murata	83,600
	C3	10uF	Capacitor, Ceramic, 25V, X7R, 10%	1210	GRM32DR71E106KA12L	Murata	83,600
3	C4	4.7uF	Capacitor, Ceramic, 4.7uF, 50V, X7R, 20%	1210	GRM32ER71H475KA88L	Murata	24200
	C5	4.7uF	Capacitor, Ceramic, 4.7uF, 50V, X7R, 20%	1210	GRM32ER71H475KA88L	Murata	24200
1	C6	100nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	std	std	5650
	C7	4.7uF	Capacitor, Ceramic, 4.7uF, 50V, X7R, 20%	1210	GRM32ER71H475KA88L	Murata	24200
	C8	10uF	Capacitor, Ceramic, 25V, X7R, 10%	1210	GRM32DR71E106KA12L	Murata	83,600
	C9	10uF	Capacitor, Ceramic, 25V, X7R, 10%	1210	GRM32DR71E106KA12L	Murata	83,600
	C10	10uF	Capacitor, Ceramic, 25V, X7R, 10%	1210	GRM32DR71E106KA12L	Murata	83,600
1	C11	1uF	Capacitor, Ceramic, 16V, X7R, 20%	0603	std	std	5650
1	C12	220pF	Capacitor, Ceramic, 50V, NPO, 5%	0603	std	std	5650
1	C13	220nF	Capacitor, Ceramic, 16V, X7R, 10%	0603	std	std	5650
1	C14	560pF	Capacitor, Ceramic, 50V, X7R [tol]	0603	std	std	5650
1	C15	330pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	std	std	5650
1	C16	22pF	Capacitor, Ceramic, 50V, NPO, [tol]	0603	std	std	5650
2	C100	OPEN	Capacitor, Electrolytic, SMT, 330uF, 35V, 10.0x10.2mm	0.457 x 0.406	EEVFK1V331P	Panasonic	225,848
	C101	OPEN	Capacitor, Electrolytic, SMT, 330uF, 35V, 10.0x10.2mm	0.457 x 0.406	EEVFK1V331P	Panasonic	
1	D1	MBRD660CT	Diode, Dual Schottky, 6-A, 60-V	DPAK	MBRD660CT	On Semi	107500
1	D2	20V	Diode, Zener, 20-V, 225-mW, 5%	SOT23	MMBZ5250BLT1	On Semi	14105
2	J1	D120/2DS	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35 inch	D120/2DS	OST	141600
	J2	D120/2DS	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35 inch	D120/2DS	OST	141600
2	L1	22uH	Inductor, SMT, 6.3Arms, 25.7-milliohms	0.543 x 0.516 inch	HC9-220-R	Cooper	359100
	L2	22uH	Inductor, SMT, 6.3Arms, 25.7-milliohms	0.543 x 0.516 inch	HC9-220-R	Cooper	359100
1	Q1	MMBT2222A	TRANSISTOR, NPN, HIGH-PERFORMANCE, 500mA	SOT-23	MMBT2222A	Fairchild	14105
1	Q2	Si7850DP	MOSFET, NChannel, 60V, 10.3 A, 0.022 millohm	PWRPAK S0-8	Si7850DP	Vishay	85057
1	Q3	MMBT2907ALT1	Transistor, PNP, -60V, -600mA, 225-W	SOT23	MMBT2907ALT1	On Semi	14105
1	R1	4.7	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
1	R2	249k	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
1	R3	0.1	Resistor, Chip, 1/2W, yy%	2010	STD	STD	30800
1	R4	1k	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
1	R5	0.015	Resistor, Chip, 1/2W, 1%	1812	Std	Std	38080
2	R6	OPEN	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
1	R7	100k	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
1	R8	49.9k	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
1	R9	49.9	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
	R10	OPEN	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
2	TP1	5010	Test Point, Red, Thru Hole	0.125 x 0.125 inch	5010	Keystone	
2	TP2	5011	Test Point, Black, Thru Hole	0.125 x 0.125 inch	5011	Keystone	
1	TP3	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	10
	TP4	5010	Test Point, Red, Thru Hole	0.125 x 0.125 inch	5010	Keystone	

	TP5	5002	Test Point, White, Thru Hole Color Keyed	0.100 x 0.100 inch	5002	Keystone	10
3	TP6	5002	Test Point, White, Thru Hole Color Keyed	0.100 x 0.100 inch	5002	Keystone	10
	TP7	5002	Test Point, White, Thru Hole Color Keyed	0.100 x 0.100 inch	5002	Keystone	10
	TP8	5011	Test Point, Black, Thru Hole	0.125 x 0.125 inch	5011	Keystone	
1	U1	TPS40211DGQ	IC, 4.5V-52V I/P, Current Mode Boost Controller	DGQ10	TPS40211DGQ	TI	38400
Notes:	1. These as:	semblies are ESD sensitive, ESD	precautions shall be observed.				
	2. These as:	semblies must be clean and free					
		clean flux is not acceptable.					
	3. These as:	semblies must comply with workn	nanship standards IPC-A-610 Class 2.				
	4. Ref desig	nators marked with an asterisk ('*	*') cannot be substituted.				
	All other of	components can be substituted w	th equivalent MFG's components.				

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