

Date: 02/03/2009

PMP2718REVB BOM

COUNT	RefDes	Value	Description	Size	Part Number	MFR	Area
1	C1	0.1uF	Capacitor, Ceramic, 25V, X7R, 10%	0603	Std	TDK	5650
1	C2	100nF	Capacitor, Ceramic, 16V, X7R, 10%	0603	C1608X7R1C104K	TDK	5650
4	C3	4.7uF	Capacitor, Ceramic, 50V, X5R, 15%	1210	C3225X5R1H475K	TDK	83,600
	C4	4.7uF	Capacitor, Ceramic, 50V, X5R, 15%	1210	C3225X5R1H475K	TDK	83,600
2	C5	OPEN	Capacitor, Ceramic, vvV, [temp], [tol]	0603	GRM39yyyxxxKvvvA	muRata	5650
	C6	OPEN	Capacitor, Ceramic, vvV, [temp], [tol]	0603	GRM39yyyxxxKvvvA	muRata	5650
	C7	4.7uF	Capacitor, Ceramic, 50V, X5R, 15%	1210	C3225X5R1H475K	TDK	83,600
	C8	4.7uF	Capacitor, Ceramic, 50V, X5R, 15%	1210	C3225X5R1H475K	TDK	83,600
1	C9	330pF	Capacitor, Ceramic, 50V, NP0/C0G	0603	Std	TDK	5650
1	C10	33nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	TDK	5650
1	C12	15nF	Capacitor, Ceramic, 25V, X7R, 10%	0603	Std	TDK	5650
2	C13	.1uF	Capacitor, Ceramic, 100V, X7R, 10%	0805	C0805X104K1RACTU	KEMET	10560
	C14	.1uF	Capacitor, Ceramic, 100V, X7R, 10%	0805	C0805X104K1RACTU	KEMET	10560
1	D2	MBRS140	Diode, Schottky, 1-A, 40-V	SMA	MBRS140T3G	IRF	29520
2	J1	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED555/2DS	OST	70125
	J2	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED555/2DS	OST	70125
1	L1	10uH	Inductor, SMT, 2.41A, 48.9-milliohm	0.300 sq"	DR74-100R	Coiltronics	122500
1	L2	82uH	Inductor, Power, 2.64A, 132milliohm	0.484 x 0.484 inch	MSS1260-823ML_	Coilcraft	269,336
1	R1	4.99k	Resistor, Chip, 1/16W, 1%	0603	Std	Std	5650
1	R2	OPEN	Resistor, Chip, 1/10W, yy%	0805	Std	Std	10560
1	R3	226K	Resistor, Chip, 1/16W, 1%	0603	Std	Std	5650
1	R8	49.9	Resistor, Chip, 1/16W, 1%	0603	Std	Std	5650
1	R10	100k	Resistor, Chip, 1/16W, 1%	0603	Std	Std	5650
1	R11	OPEN	Resistor, Chip, 1/16W, 1%	0603	Std	Std	5650
1	R12	182K	Resistor, Chip, 1/16W, 1%	0603	Std	Std	5650
1	R13	10K	Resistor, Chip, 1/16W, 1%	0603	Std	Std	5650
1	R100	1Meg	Resistor, Chip, 1/16W, 1%	0603	Std	Std	5650
1	R101	2.26	Resistor, Chip, 1/2W, 1%	1210	STD	STD	30800
1	TP10	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone	10
2	TP13	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	10
	TP14	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	10
1	U1	TPS54160DGQ	IC,DC-DC Converter, 3V-60V, 1.5A	MSOP-10	TPS54160DGQ	TI	40500
Notes:							
1. These assemblies are ESD sensitive, ESD precautions shall be observed.							
2. These assemblies must be clean and free from flux and all contaminants.							
Use of no clean flux is not acceptable.							
3. These assemblies must comply with workmanship standards IPC-A-610 Class 2.							
4. Ref designators marked with an asterisk (***) cannot be substituted.							
All other components can be substituted with equivalent MFG's components.							

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