

Filename: PMP4748 REV_A_bom.xls

Date: 03/25/2010

PMP4748 REV_A BOM

COUNT	RefDes	Value	Description	SIZE	Part Number	MFR	AREA
1	C1	10 uF	Capacitor, Ceramic, 25V, X5R, 10%	1206	GRM31CR61E106KA12	muRata	15390
1	C3	22uF	Capacitor, Ceramic, 10V, X5R, 20%	1210	Std	Std	83,600
1	C4	0.1 uF	Capacitor, Ceramic, 16V, X7R, 10%	0603	Std	Std	5650
1	C5	0.015uF	Capacitor, Ceramic, 16V, X7R, 10%	0603	Std	Std	5650
1	C6	4700 pF	Capacitor, Ceramic, 16V, X7R, 10%	0603	Std	Std	5650
1	C7	47 pF	Capacitor, Ceramic, 16V, X7R, 10%	0603	Std	Std	5650
1	C8	dnp	Capacitor, Ceramic, vvV, [temp], [tol]	1210	Std	Vishay	83,600
1	C9	22 uF	Capacitor, Ceramic, 16V, X5R, 10%	1206	Std	Std	15390
1	D1	B220A	Diode, Schottky, 2A, 20V	SMA	B220A	Diodes Inc	29520
2	J1	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED1514	OST	
2	J2	PTC36SAAN	Header, 2-pin, 100mil spacing, (36-pin strip)	0.100 x 2	PTC36SAAN		23100
	J3	PTC36SAAN	Header, 2-pin, 100mil spacing, (36-pin strip)	0.100 x 2	PTC36SAAN		23100
	J4	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED1514	OST	
1	L1	6.8uH	Inductor, SMT, 1.9A, 75milliohm	0.236 x 0.236 inch	LPS6225-682ML	Coilcraft	84000
1	R1	150K	Resistor, Chip, 1/16W, 1%	0603	Std	Std	9100
1	R2	48.7K	Resistor, Chip, 1/16W, 1%	0603	Std	Std	9100
1	R3	34k	Resistor, Chip, 1/16W, 1%	0603	Std	Std	9100
1	R4	0	Resistor, Chip, 1/16W, 1%	0603	Std	Std	9100
1	R5	24.9 k	Resistor, Chip, 1/16W, 1%	0603	Std	Std	9100
1	R6	4.75 k	Resistor, Chip, 1/16W, 1%	0603	Std	Std	9100
1	R7	dnp	Resistor, Chip, 1/16W, 1%	0603	Std	Std	9100
3	TP1	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	10
3	TP2	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone	10
	TP3	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	10
	TP4	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone	10
	TP5	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	10
	TP6	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone	10
1	U1	TPS54232D	IC, DC-DC Converter, 28V, 2A	SO-8	TPS54232D	TI	75900

- 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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