

Filename: PMP1450\_REVA\_bom.xls  
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## PMP1450\_REVA BOM

COUNT	RefDes	Description	Size	Mfr	Part Number	Value
1	C1	Capacitor, Ceramic, xxx-uF, vv-V, [temp], [tol]	603	muRata	GRM39yyyxxxKvvvA	470pF
2	C2	Capacitor, Ceramic, xxx-uF, vv-V, [temp], [tol]	603	muRata	GRM39yyyxxxKvvvA	3.0pF
1	C3	Capacitor, Ceramic, xxx-uF, vv-V, [temp], [tol]	603	muRata	GRM39yyyxxxKvvvA	330pF
6	C4	Capacitor, Ceramic, xxx-uF, vv-V, [temp], [tol]	805	muRata	GRM40yyyxxxKvv	0.47uF
	C5	Capacitor, Ceramic, xxx-uF, vv-V, [temp], [tol]	805	muRata	GRM40yyyxxxKvv	0.47uF
	C6	Capacitor, Ceramic, xxx-uF, vv-V, [temp], [tol]	805	muRata	GRM40yyyxxxKvv	0.47uF
2	C7	Capacitor, Ceramic, xxx-uF, vv-V, [temp], [tol]	1210	muRata	GRM710C0GxxxJvvv	10uF
2	C8	Capacitor, POSCAP, xxx-uF, yy-V, zz-milliohm, 20%	7343 (D)	Sanyo		120uF
2	C9	Capacitor, Ceramic, xxx-uF, vv-V, [temp], [tol]	1210	muRata	GRM710C0GxxxJvvv	22uF
1	C101	Capacitor, Ceramic, xxx-uF, vv-V, [temp], [tol]	603	muRata	GRM39yyyxxxKvvvA	680pF
	C102	Capacitor, Ceramic, xxx-uF, vv-V, [temp], [tol]	603	muRata	GRM39yyyxxxKvvvA	3.0pF
1	C103	Capacitor, Ceramic, xxx-uF, vv-V, [temp], [tol]	603	muRata	GRM39yyyxxxKvvvA	560pF
	C104	Capacitor, Ceramic, xxx-uF, vv-V, [temp], [tol]	805	muRata	GRM40yyyxxxKvv	0.47uF
	C105	Capacitor, Ceramic, xxx-uF, vv-V, [temp], [tol]	805	muRata	GRM40yyyxxxKvv	0.47uF
	C106	Capacitor, Ceramic, xxx-uF, vv-V, [temp], [tol]	805	muRata	GRM40yyyxxxKvv	0.47uF
	C107	Capacitor, Ceramic, xxx-uF, vv-V, [temp], [tol]	1210	muRata	GRM710C0GxxxJvvv	10uF
	C108	Capacitor, POSCAP, xxx-uF, yy-V, zz-milliohm, 20%	7343 (D)	Sanyo		120uF
	C109	Capacitor, Ceramic, xxx-uF, vv-V, [temp], [tol]	1210	muRata	GRM710C0GxxxJvvv	22uF
2	D1	Diode, Schottky, 2-A, 40-V	SOT23-6	Zetex	ZHCS2000	ZHCS2000
	D101	Diode, Schottky, 2-A, 40-V	SOT23-6	Zetex	ZHCS2000	ZHCS2000
4	J1	Header, 4-pin, 100mil spacing, (36-pin strip)	0.100 x 4"	Sullins	PTC36SAAN	
	J2	Header, 4-pin, 100mil spacing, (36-pin strip)	0.100 x 4"	Sullins	PTC36SAAN	
	J4	Header, 4-pin, 100mil spacing, (36-pin strip)	0.100 x 4"	Sullins	PTC36SAAN	
	J101	Header, 4-pin, 100mil spacing, (36-pin strip)	0.100 x 4"	Sullins	PTC36SAAN	
4	JP1	Header, 3-pin, 100mil spacing, (36-pin strip)	0.100 x 3"	Sullins	PTC36SAAN	
	JP2	Header, 3-pin, 100mil spacing, (36-pin strip)	0.100 x 3"	Sullins	PTC36SAAN	
	JP101	Header, 3-pin, 100mil spacing, (36-pin strip)	0.100 x 3"	Sullins	PTC36SAAN	
	JP102	Header, 3-pin, 100mil spacing, (36-pin strip)	0.100 x 3"	Sullins	PTC36SAAN	
1	L1	Inductor, SMT, 18-uH, 1500-mA, 92-milliohms	0.264 sq	Sumida	CDRH6D38-180	18uH
1	L101	Inductor, SMT, yyA, zzmilliohm	0.51x0.37 inch	Coilcraft	DO3340P-473	47uHy
2	Q1	MOSFET, N-ch, 20V, 4.2A, 57 milliOhms	TSOP-6	Vishay	Si3442BDV	Si3442BDV
2	Q2	MOSFET, P-ch, 20V, 4.7A, 90-milliOhms	TSOP-6	Vishay	Si3443BDV	Si3443BDV
	Q101	MOSFET, N-ch, 20V, 4.2A, 57 milliOhms	TSOP-6	Vishay	Si3442BDV	Si3442BDV
	Q102	MOSFET, P-ch, 20V, 4.7A, 90-milliOhms	TSOP-6	Vishay	Si3443BDV	Si3443BDV
1	R1	Resistor, Chip, 1/16-W, 1%	603	Std	Std	97.6K
2	R2	Resistor, Chip, xx-Ohms, 1/16-W, yy%	603	Std	Std	115K
2	R3	Resistor, Chip, xx-Ohms, 1/16-W, yy%	603	Std	Std	5.76K
1	R4	Resistor, Chip, 1/16-W, 1%	603	Std	Std	133k
2	R5	Resistor, Chip, xx-Ohms, 1/16-W, yy%	603	Std	Std	1K
1	R6	Resistor, Chip, xx-Ohms, 1/16-W, yy%	603	Std	Std	32.4k
2	R7	Resistor, Chip, xx-Ohms, 1/16-W, yy%	603	Std	Std	49.9
1	R101	Resistor, Chip, 1/16-W, 1%	603	Std	Std	100K
	R102	Resistor, Chip, xx-Ohms, 1/16-W, yy%	603	Std	Std	115K
	R103	Resistor, Chip, xx-Ohms, 1/16-W, yy%	603	Std	Std	5.76K
1	R104	Resistor, Chip, 1/16-W, 1%	603	Std	Std	374k
	R105	Resistor, Chip, xx-Ohms, 1/16-W, yy%	603	Std	Std	1K
1	R106	Resistor, Chip, 1/16-W, yy%	603	Std	Std	115k
	R107	Resistor, Chip, xx-Ohms, 1/16-W, yy%	603	Std	Std	49.9
12	TP1	Test Point, Black, 1mm	0.038",Farnell"	240-333		
	TP2	Test Point, Black, 1mm	0.038",Farnell"	240-333		
	TP3	Test Point, Black, 1mm	0.038",Farnell"	240-333		
	TP4	Test Point, Black, 1mm	0.038",Farnell"	240-333		
	TP5	Test Point, Black, 1mm	0.038",Farnell"	240-333		
	TP6	Test Point, Black, 1mm	0.038",Farnell"	240-333		
	TP101	Test Point, Black, 1mm	0.038",Farnell"	240-333		
	TP102	Test Point, Black, 1mm	0.038",Farnell"	240-333		
	TP103	Test Point, Black, 1mm	0.038",Farnell"	240-333		
	TP104	Test Point, Black, 1mm	0.038",Farnell"	240-333		
	TP105	Test Point, Black, 1mm	0.038",Farnell"	240-333		
	TP106	Test Point, Black, 1mm	0.038",Farnell"	240-333		
2	U1	IC, Multi-topology High Frequency, PWM Controller	TSSOP-16	Texas Instruments	TPS43000PW	TPS43000
	U101	IC, Multi-topology High Frequency, PWM Controller	TSSOP-16	Texas Instruments	TPS43000PW	TPS43000
2	--	PCB, 0 In x 0 In x 0 In		Any	SLVP217	

- 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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