

Assembly Bill of Materials

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Project Name:	PMP7996
Project File:	PMP7996.PrjPcb
Base ID:	PMP7996
Schematic Rev:	E2
Assembly Variant:	None
Build Quantity:	100
Generated:	8/19/2013 8:16:34 AM

Item	Designator	Description	RoHS	Manufacturer	PartNumber	Quantity	Required	Supplier 1	Supplier Part Number 1	Supplier 2	Supplier Part Number 2	Alternate Manufacturer	Alternate PartNumber
1	IPC5	Printed Circuit Board	0	Any	PMP7996	1	100						
2	C1, C2, C3, C4, C5	CAP, CERM, 10uF, 25V, +/-10%, X5R, 1206	Y	MuRata	GRM31CR61E106KA12L	5	500	Digi-Key	490-3373-1-ND	Farnell	1404122	-	-
3	C9, C41	CAP, CERM, 100pF, 50V, +/-5%, COG/NP0, 0402	Y	MuRata	GRM1555C1H101JA01D	2	200	Mouser	81-GRM1555C1H101JA1D				
4	C10	CAP, CERM, 0.22uF, 6.3V, +/-10%, X5R, 0402	Y	MuRata	GRM155R60J224KE01D	1	100	Digi-Key	490-5407-1-ND	Mouser	81-GRM155R60J224KE01		
5	C11, C12, C13, C14, C15, C16, C17, C18, C19, C20	CAP, CERM, 100uF, 6.3V, +/-20%, X5R, 1206	Y	MuRata	GRM31CR60J107ME39L	10	1000	Digi-Key	490-4539-1-ND	Farnell	1670501	-	-
6	C22	CAP, CERM, 0.047uF, 16V, +/-10%, X7R, 0402	Y	MuRata	GRM155R71C473KA01D	1	100	Digi-Key	GRM155R71C473KA01D-ND	Mouser	81-GRM155R71C473KA01		
7	C23, C40	CAP, CERM, 0.1uF, 16V, +/-10%, X7R, 0402	Y	MuRata	GRM155R71C104KA88D	2	200	Digi-Key	490-3261-1-ND	Mouser	81-GRM155R71C104KA88		
8	C24	CAP, CERM, 680pF, 50V, +/-5%, COG/NP0, 0603	Y	TDK	C1608C0G1H681J	1	100	Digi-Key	445-1291-1-ND	Arrow	C1608C0G1H681J	-	-
9	C25	CAP, CERM, 330pF, 50V, +/-5%, COG/NP0, 0402	Y	MuRata	GRM1555C1H331JA01D	1	100	Digi-Key	490-1295-1-ND	Mouser	81-GRM1555C1H331JA01D		
10	C37	CAP, CERM, 1200pF, 100V, +/-10%, X7R, 0402	Y	MuRata	GRM155R72A122KA01D	1	100	Digi-Key	GRM155R72A122KA01D-ND	Mouser	81-GRM155R72A122KA1D		
11	C38	CAP, CERM, 4700pF, 25V, +/-10%, X5R, 0402	Y	MuRata	GRM155R61E472KA01D	1	100	Digi-Key	GRM155R61E472KA01D-ND	Mouser	81-GRM155R61E472KA1D		
12	C39	CAP, CERM, 4.7uF, 6.3V, +/-20%, X5R, 0402	Y	MuRata	GRM155R60J475ME87D	1	100	Digi-Key	490-5408-1-ND				
13	C42	CAP, CERM, 2.2uF, 16V, +/-10%, X5R, 0603	Y	MuRata	GRM188R61C225KE15D	1	100	Digi-Key	490-3296-1-ND	Mouser	81-GRM188R61C225KE15		
14	D1	Diode, Schottky, 40V, 0.25A, SOD-523	Y	Diodes Inc.	SDM20U40-7-F	1	100	Digi-Key	SDM20U40DICT-ND	Mouser	621-SDM20U40-F		
15	FID1, FID2, FID3	Fiducial mark. There is nothing to buy or mount.	Y	N/A	N/A	3	300						
16	H1, H2, H3, H4	Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	Y	B&F Fastener Supply	NY PMS 440 0025 PH	4	400	Digi-Key	H542-ND				
17	H5, H6, H7, H8	Standoff, Hex, 0.5" L #4-40 Nylon	Y	Keystone	1902C	4	400	Digi-Key	1902CK-ND				
18	J1	Corn Term Block, 2POS, 5.08mm PCB	Y	Phoenix Contact	1715721	1	100	Digi-Key	277-1263-ND				
19	J2, J3	Connector, RF Jack, Vertical, Gold, SMD	Y	Amphenol	A-1JB	2	200	Digi-Key	ARF1579TR-ND	Mouser	523-A-1JB		
20	L1	Inductor, MnZn Ferrite, WE-HCM, 0.25uH, 40A, 0.00032 ohm, SMD	Y	Würth Elektronik eiSos	744301025	1	100	Digi-Key	732-2999-6-ND	Newark	44W4590		
21	LBL1	Thermal Transfer Printable Labels, 0.650" W x 0.200" H - 10,000 per roll	Y	Brady	THT-14-423-10	1	100	Farnell	2065596	Newark	97C5133		
22	O2	NexFET Power Block, 30V, 40A, SON 5mm x 6mm	Y	Texas Instruments	CSD87350Q5D	1	100	Digi-Key	296-28318-1-ND	Newark	41T1989		
23	O3	Transistor, NPN, 40V, 0.2A, SOT-523	Y	Diodes Inc.	MMBT3904	1	100	Mouser	621-MMBT3904T-F				
24	R1, R2	RES, 4.99k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW06034K99FKEA	2	200	Digi-Key	541-4.99KHCT-ND	Mouser	71-CRCW0603-4.99K-E3		
25	R3	RES, 1.24k ohm, 1%, 0.063W, 0402	Y	Vishay-Dale	CRCW04021K24FKED	1	100	Digi-Key	541-1.24KLCT-ND	Mouser	71-CRCW0402-1.24K-E3		
26	R4	RES, 270 ohm, 5%, 0.063W, 0402	Y	Vishay-Dale	CRCW0402270RJNED	1	100	Digi-Key	541-270JCT-ND	Mouser	71-CRCW0402J-270-E3		
27	R5, R11	RES, 10.0k ohm, 1%, 0.063W, 0402	Y	Vishay-Dale	CRCW040210K0FKED	2	200	Digi-Key	541-10.0KLCT-ND	Mouser	71-CRCW0402-10K-E3		
28	R6	RES, 20.0k ohm, 1%, 0.063W, 0402	Y	Vishay-Dale	CRCW040220K0FKED	1	100	Digi-Key	541-20.0KLCT-ND	Mouser	71-CRCW0402-20K-E3		
29	R7	RES, 3.74k ohm, 1%, 0.063W, 0402	Y	Vishay-Dale	CRCW0402374FKED	1	100	Digi-Key	541-3.74KLCT-ND	Mouser	71-CRCW0402-3.74K-E3		
30	R8	RES, 2.2 ohm, 5%, 0.125W, 0805	Y	Vishay-Dale	CRCW08052R20JNEA	1	100	Digi-Key	541-2.2ACT-ND	Farnell	1570777		
31	R9	RES, 45.3k ohm, 1%, 0.063W, 0402	Y	Vishay-Dale	CRCW040245K3FKED	1	100	Digi-Key	541-45.3KLCT-ND	Mouser	71-CRCW0402-45.3K-E3		
32	R10	RES, 10.0 ohm, 1%, 0.063W, 0402	Y	Vishay-Dale	CRCW040210R0FKED	1	100	Digi-Key	541-10.0LCT-ND	Mouser	71-CRCW0402-10-E3		
33	R12	RES, 47.5k ohm, 1%, 0.063W, 0402	Y	Vishay-Dale	CRCW040247K5FKED	1	100	Digi-Key	541-47.5KLCT-ND	Mouser	71-CRCW0402-47.5K-E3		
34	R13	RES, 10k ohm, 5%, 0.063W, 0402	Y	Vishay-Dale	CRCW040210K0JNED	1	100	Digi-Key	541-10KJCT-ND	Farnell	1514663		
35	R14	RES, 82.5k ohm, 1%, 0.063W, 0402	Y	Vishay-Dale	CRCW040282K5FKED	1	100	Digi-Key	541-82.5KLCT-ND	Mouser	71-CRCW0402-82.5K-E3		
36	R15	RES, 2.2 ohm, 5%, 0.063W, 0402	Y	Vishay-Dale	CRCW04022R20JNED	1	100	Digi-Key	541-2.2JCT-ND	Mouser	71-CRCW0402J-2.2-E3		
37	R16, R17	RES, 49.9 ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW060349R9FKEA	2	200	Digi-Key	541-49.9HCT-ND	Farnell	1152041		
38	T1, T2	Terminal 50A Lug	Y	Panduit	CB35-36-CY	2	200	Digi-Key	CB35-36-CY-ND				
39	TP1, TP3, TP5, TP9	Terminal, Turret, TH, Triple	Y	Keystone	1598-2	4	400	Digi-Key	1598-2K-ND				
40	TP2, TP6	Test Point, TH, Miniature, Red	Y	Keystone	5000	2	200	Digi-Key	5000K-ND				
41	TP4, TP8, TP10, TP12, TP14	Test Point, TH, Miniature, Black	Y	Keystone	5001	5	500	Digi-Key	5001K-ND				
42	TP7, TP11, TP13	Test Point, TH, Miniature, White	Y	Keystone	5002	3	300	Digi-Key	5002K-ND	Newark	82H9632	[NoValue], -, -, -	[NoValue], -, -, -
43	U1	Synchronous Buck Controller, 24-pin LLP, Pb-Free	RoHS Compliant	Texas Instruments Inc	LM27403SQX/NOBP	1	100						

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