

Assembly Bill of Materials

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Project Name:	PMP9462
Project File:	PMP9462.PrjPCB
Base ID:	XX###
Schematic Rev:	E1
Assembly Variant:	None
Build Quantity:	100
Generated:	7/3/2014 9:45:44 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	IPC6	Printed Circuit Board	O	Any	XX###	1	100						
2	C1	CAP, CERM, 4.7uF, 6.3V, +/-10%, X5R, 0603	Y	MuRata	GRM188R60J475KE19D	1	100	Digi-Key	490-3297-1-ND	Mouser	81-GRM188R60J475KE19D		
3	C2	CAP, CERM, 2.2uF, 10V, +/-10%, X7R, 0603	Y	MuRata	GRM188R71A225KE15D	1	100	Digi-Key	490-4520-1-ND	Mouser	81-GRM188R71A225KE15		
4	C3, C12	CAP, CERM, 0.1uF, 50V, +/-10%, C0G/NP0, 0402	Y	TDK	C1005X7R1H104K	2	200	Digi-Key	445-5932-1-ND	Farnell	1907278		
5	C4, C5	CAP, CERM, 0.01uF, 6.3V, +/-10%, X7R, 0603	Y	MuRata	GRM188R70J103KA01D	2	200	Digi-Key	GRM188R70J103KA01D-ND	Mouser	81-GRM188R70J103KA1D		
6	C6	CAP, CERM, 0.033uF, 16V, +/-10%, X7R, 0603	Y	MuRata	GRM188R71C333KA01D	1	100	Digi-Key	490-1528-1-ND	Mouser	81-GRM39X333K16D		
7	C7, C8, C13, C21	CAP, CERM, 47uF, 6.3V, +/-20%, X5R, 1206	Y	MuRata	GRM31CR60J476ME19L	4	400	Digi-Key	490-3907-1-ND	Mouser	81-GRM426X476M6.3L		
8	C9, C10	CAP, CERM, 10uF, 10V, +/-10%, X5R, 1206	Y	MuRata	GRM31CR71A106KA01L	2	200	Digi-Key	490-3371-1-ND	Mouser	81-GRM31CR71A106KA01		
9	C11	CAP, CERM, 0.47uF, 10V, +/-10%, X7R, 0603	Y	MuRata	GRM188R71A474KA61D	1	100	Digi-Key	GRM188R71A474KA61D-ND	Mouser	81-GRM188R71A474KA1D		
10	C14, C22	CAP, CERM, 22uF, 10V, +/-10%, X7R, 1206	Y	MuRata	GRM31CR71A226KE15L	2	200	Digi-Key	490-5309-1-ND	Mouser	81-GRM31CR71A226K15L		
11	C15, C18	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	Y	TDK	C1608X7R1H104K	2	200	Digi-Key	445-1314-1-ND	Farnell	1118182		
12	C16, C19	CAP, CERM, 1uF, 50V, +/-10%, X7R, 0805	Y	TDK	C2012X7R1H105K125AB	2	200	Digi-Key	445-7547-1-ND	Mouser	810-C2012X7R1H105K		
13	C17, C20	CAP, CERM, 10uF, 50V, +/-10%, X5R, 1206, 190	Y	TDK	CGA5L3X5R1H106K160AB	2	200	Digi-Key	445-7886-1-ND	Mouser	810-CGA5L3X5R1H106K		
14	C21	CAP, AL, 68uF, 100V, +/-20%, 0.32 ohm, SMD	Y	Panasonic	EEV-FK2A680Q	1	100	Digi-Key	PCC349BCT-ND	Mouser	667-EEV-FK2A680Q		
15	H1, H2, H3, H4	Machine Screw, Round, #4-40 x 1/4, Nylon, Phillips panhead	Y	B&F Fastener Supply	NY PMS 440 0025 PH	4	400	Digi-Key	H542-ND				
16	H5, H6, H7, H8	Standoff, Hex, 0.5"L #4-40 Nylon	Y	Keystone	1902C	4	400	Digi-Key	1902CK-ND				
17	J1	Header, TH, 100mil, 2x1, Gold plated, 230 mil above insulator	Y	Samtec	TSW-102-07-G-S	1	100	Digi-Key	SAM1029-02-ND				
18	L1	Inductor, Shielded Drum Core, Ferrite, 3.3uH, 2.48A, 0.05 ohm, SMD	Y	Coilcraft	MOS6020-332MLB	1	100						
19	L2, L4	Inductor, Shielded Drum Core, Ferrite, 3.3uH, 1.35A, 0.05 ohm, SMD	Y	Coilcraft	LPS6225-332MLB	2	200						
20	L3	Inductor, Shielded, ?, 2.2uH, 1.5A, 0.082 ohm, SMD	Y	Coiltronics	MPI4040R2-2R2-R	1	100	Digi-Key	MPI4040R2-2R2-R-ND	Mouser	704-MPI4040R2-2R2-R		
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	704-MPI4040R2-2R2-R 97C5133		
22	R1, R8	RES, 0 ohm, 5%, 0.1W, 0603	Y	Panasonic	ERJ-3GEY0R00V	2	200	Digi-Key	P0.0GCT-ND	Mouser	667-ERJ-3GEY0R00V		
23	R2, R12, R14	RES, 47k ohm, 5%, 0.1W, 0603	Y	Vishay-Dale	CRCW060347K0JNEA	3	300	Digi-Key	541-47KGCT-ND	Mouser	71-CRCW060347K0JNEA		
24	R3, R4	RES, 0 ohm, 5%, 0.1W, 0603	Y	Vishay-Dale	CRCW06030000Z0EA	2	200	Digi-Key	541-0.0GCT-ND	Mouser	71-CRCW0603-0-E3		
25	R5, R6	RES, 10.7k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW060310K7FKEA	2	200	Digi-Key	541-10.7KHCT-ND	Mouser	71-CRCW0603-10.7K-E3		
26	R7	RES, 1.00Meg ohm, 1%, 0.063W, 0402	Y	Vishay-Dale	CRCW04021M00FKED	1	100	Digi-Key	541-1.00MLCT-ND	Mouser	71-CRCW0402-1.0M-E3		
27	R9	RES, 4.99 ohm, 1%, 0.1W, 0603	Y	Yageo America	RC0603FR-074R99L	1	100	Digi-Key	311-4.99HRCT-ND	Mouser	603-RC0603FR-074R99L		
28	R10	RES, 249k ohm, 1%, 0.063W, 0402	Y	Vishay-Dale	CRCW0402249KFKEA	1	100	Digi-Key	541-249KLCT-ND	Mouser	71-CRCW0402-249K-E3		
29	R11	RES, 200k ohm, 1%, 0.063W, 0402	Y	Vishay-Dale	CRCW0402200KFKEA	1	100	Digi-Key	541-200KLCT-ND	Mouser	71-CRCW0402-200K-E3		
30	R13	RES, 12.4k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW060312K4FKEA	1	100	Digi-Key	541-12.4KHCT-ND	Mouser	71-CRCW0603-12.4K-E3		
31	R15	RES, 21.0k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW060321K0FKEA	1	100	Digi-Key	541-21.0KHCT-ND	Mouser	71-CRCW0603-21K-E3		
32	R16, R17	RES, 10k ohm, 5%, 0.1W, 0603	Y	Vishay-Dale	CRCW060310K0JNEA	2	200	Digi-Key	541-10KGCT-ND	Farnell	1562240		
33	RENB1	RES, 1.00Meg ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW06031M00FKEA	1	100	Digi-Key	541-1.00MHCT-ND	Mouser	71-CRCW0603-1.0M-E3		
34	RENT1	RES, 590k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW0603590KFKEA	1	100	Digi-Key	541-590KHCT-ND	Mouser	71-CRCW0603-590K-E3		
35	TM1	PCB Pin, TH	Y	Mill-Max	3125-2-00-34-00-00-08-0	1	100	Mouser	575-3125200340000				
36	TP3, TP6, TP7, TP8	Test Point, Multipurpose, Black, TH	Y	Keystone	5011	4	400	Digi-Key	5011K-ND				
37	U1	3.5 - 36V 3A Step-Down Converters with Low Quiescent Current, PWP0016F	Y	Texas Instruments	LM43603PWP	1	100					None	
38	U2	Dual 2.0A, High Frequency Synchronous Step-Down DC-DC Regulator, 16-pin LLP, Pb-Free	Y	National Semiconductor	LM26420XSQ/NOPB	1	100	Digi-Key	LM26420XSQTR-ND	Digi-Key	LM26420XSQCT-ND		
39	VIN, VIN_EMI, Vout1, Vout2, Vout3	Test Point, Multipurpose, Red, TH	Y	Keystone	5010	5	500	Digi-Key	5010K-ND				

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