

Assembly Bill of Materials

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Project Name:	Change in menu Project
Project File:	PMP9284.PrjPCB
Base ID:	XX###
Schematic Rev:	E1
Assembly Variant:	None
Build Quantity:	1
Generated:	11/15/2013 9:12:50 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	5VOUT, CLK EXT3, ERR, FLAG 1, FLAG 2, FLAG 3, INH/EN, Seq Enable, ShutDown, TP8, TP10, TP11, TP13, TP17, TP18, TP19, TP20, TP21, TP22, TP23, TP24	Test Point, Miniature, White, TH	Y	Keystone	5002	21	21	Digi-Key	5002K-ND	Newark	82H9632		
2	C1, C14	CAP, CERM, 0.1uF, 25V, +/-10%, X7R, 0508	Y	TDK	C1220X7R1E104K	2	2	Digi-Key	445-1806-1-ND				
3	C2, C3, C16, C17	CAP, CERM, 4.7uF, 25V, +/-10%, X5R, 0805	Y	Taiyo Yuden	TMK212BJ475KG-T	4	4	Digi-Key	587-1782-1-ND		1684001		
4	C4, C18	CAP, CERM, 0.1uF, 25V, +/-10%, X5R, 0603	Y	MuRata	GRM188R61E104KA01D	2	2	Digi-Key	GRM188R61E104KA01D-ND	Farnell	81-GRM188R61E104KA1D		
5	C5, C6, C19, C20	CAP, CERM, 47uF, 10V, +/-10%, X7R, 1210	Y	MuRata	GRM32ER71A476KE15L	4	4	Digi-Key	490-5312-1-ND	Mouser	81-GRM32ER71A476KE5L		
6	C7, C15	CAP, CERM, 0.1uF, 25V, +/-10%, X7R, 0603	Y	Kemet	C0603X104K3RACTU	2	2	Digi-Key	399-5345-1-ND	Mouser	80-C0603X104K3R		
7	C8, C21	CAP, CERM, 0.01uF, 6.3V, +/-10%, X7R, 0603	Y	MuRata	GRM188R70J103KA01D	2	2	Digi-Key	GRM188R70J103KA01D-ND	Mouser	81-GRM188R70J103KA1D		
8	C9	CAP, CERM, 0.022uF, 50V, +/-10%, X7R, 0603	Y	Kemet	C0603C223K5RACTU	1	1	Digi-Key	399-1280-1-ND	Mouser	80-C0603C223K5R		
9	C10	CAP, CERM, 47pF, 50V, +/-5%, COG/NPO, 0603	Y	TDK	C1608COG1H470J	1	1	Digi-Key	445-1277-1-ND	Farnell	1907292		
10	C11	CAP, CERM, 3300pF, 50V, +/-5%, COG/NPO, 0603	Y	TDK	C1608COG1H332J	1	1	Digi-Key	445-1599-1-ND	Farnell	1907310		
11	C12	CAP, CERM, 2.2uF, 10V, +/-10%, X5R, 0603	Y	MuRata	GRM188R61A225KE34D	1	1	Digi-Key	490-1545-1-ND	Mouser	81-GRM188R61A225KE34		
12	C13	CAP, CERM, 220pF, 50V, +/-5%, COG/NPO, 0603	Y	TDK	C1608COG1H221J	1	1	Digi-Key	445-1285-1-ND	Farnell	1907302		
13	C22	CAP, CERM, 0.015uF, 16V, +/-10%, X7R, 0603	Y	MuRata	GRM188R71C153KA01D	1	1	Mouser	81-GRM188R71C153KA				
14	C23	CAP, CERM, 20pF, 50V, +/-5%, COG/NPO, 0603	Y	MuRata	GRM1885C1H200JA01D	1	1	Digi-Key	490-1410-1-ND	Mouser	81-GRM39C200J50		
15	C24	CAP, CERM, 100pF, 50V, +/-5%, COG/NPO, 0603	Y	MuRata	GRM1885C1H101JA01D	1	1	Digi-Key	490-1427-1-ND	Mouser	81-GRM39C101J50		
16	C25, C26, C29, C30, C31, C35, C36, C37, C58	CAP, CERM, 1uF, 10V, +/-10%, X7T, 0603	Y	MuRata	GRM185D71A105KE36D	9	9	Digi-Key	GRM185D71A105KE36D-ND	Mouser	81-GRM185D71A105KE6D		
17	C27, C28, C32, C33, C40, C41, C59, C60	CAP, CERM, 1000pF, 25V, +/-10%, X7R, 0603	Y	MuRata	GRM188R71E102KA01D	8	8	Digi-Key	GRM188R71E102KA01D-ND	Mouser	81-GRM188R71E102KA01D		
18	C34, C37	CAP, CERM, 10uF, 6.3V, +/-20%, X5R, 0603	Y	MuRata	GRM188R60J106ME47D	2	2	Digi-Key	490-3896-1-ND	Mouser	81-GRM188R60J106ME47		
19	C38	CAP, CERM, 0.22uF, 16V, +/-20%, Y5V, 0603	Y	Kemet	C0603C224Z4VACTU	1	1	Digi-Key	399-1102-1-ND	Mouser	80-C0603C224Z4V		
20	C39	CAP, CERM, 0.1uF, 25V, +/-5%, X7R, 0603	Y	Kemet	C0603C104J3RAC	1	1	Farnell	1650833				
21	C42	CAP, CERM, 30pF, 50V, +/-5%, COG/NPO, 0603	Y	MuRata	GRM1885C1H300JA01D	1	1	Digi-Key	490-1414-1-ND	Mouser	81-GRM39C300J50		
22	C43	CAP, CERM, 0.47uF, 16V, +/-10%, X7R, 0603	Y	MuRata	GRM188R71C474KA88D	1	1	Digi-Key	490-3295-1-ND	Mouser	81-GRM188R71C474KA88		
23	C44, C51	CAP, AL, 220uF, 25V, +/-20%, 0.15 ohm, SMD	Y	Panasonic	EEE-FC1E221P	2	2	Digi-Key	PCE4005CT-ND	Mouser	667-EEE-FC1E221P		
24	C45, C52	CAP, CERM, 22uF, 25V, +/-10%, X5R, 1210	Y	Samsung	CL32A226KAJNNNE	2	2	Digi-Key	1276-1101-1-ND				
25	C46, C53	CAP, CERM, 0.1uF, 25V, +/-5%, X7R, 0603	Y	AVX	06033C104JAT2A	2	2	Digi-Key	478-3713-1-ND	Mouser	581-06033C104JAT2A		
26	C47, C48	CAP, AL, 330uF, 25V, +/-20%, 0.15 ohm, SMD	Y	Panasonic	EEE-FC1E331P	2	2	Digi-Key	PCE4007CT-ND	Mouser	667-EEE-FC1E331P		
27	C49, C50, C54, C55	CAP, CERM, 100uF, 6.3V, +/-20%, X5R, 1206	Y	MuRata	GRM31CR60J107ME39L	4	4	Digi-Key	490-4539-1-ND	Mouser	81-GRM31CR60J107ME9L		
28	C56, CEN	CAP, CERM, 0.01uF, 25V, +/-5%, COG/NPO, 0603	Y	TDK	C1608COG1E103J	2	2	Digi-Key	445-2664-1-ND	Farnell	1844146		
29	L1, L2	Inductor, Shielded Drum Core, Ferrite, 4.7uH, 8.5A, 0.012 ohm, SMD	Y	Würth Elektronik eiSos	74477004	2	2	Digi-Key	732-1221-1-ND	Mouser	710-74477004		
30	PGND, VIN	Standard Banana Jack, Uninsulated, 5.5mm	Y	Keystone	575-4	2	2	Digi-Key	575-4K-ND				
31	Q1	MOSFET, P-CH, -8V, -5.3A, SOT-23	Y	Vishay-Semiconductor	Si2329DS	1	1	Newark	63W4143			None	
32	Q2	MOSFET, N-CH, 60V, 0.17A, SOT-23	Y	Diodes Inc.	2N7002-7-F	1	1	Digi-Key	2N7002-FDICT-ND	Mouser	621-2N7002-F	None	
33	R1, R2, R16, R24, R30, R32, R36, R40, R50, R51, R54, R55, R56, R57, R58, R59, R60, R61, R62, R63, R65, R68	RES, 0 ohm, 5%, 0.25W, 1206	Y	Vishay-Dale	CRCW1206000020EA	22	22	Digi-Key	541-0.0ECT-ND	Mouser	71-CRCW1206-0-E3		
34	R3, R6, R13, R17, R42, R43, R44, R49, R52, R64	RES, 0 ohm, 5%, 0.1W, 0603	Y	Vishay-Dale	CRCW0603000020EA	10	10	Digi-Key	541-0.0GCT-ND	Mouser	71-CRCW0603-0-E3		
35	R4, R5, R21	RES, 10.0k ohm, 1%, 0.1W, 0603	Y	Yageo America	RC0603FR-0710KL	3	3	Digi-Key	311-10.0KHRCT-ND	Mouser	603-RC0603FR-0710KL		
36	R7	RES, 20.0k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW060320K0FKEA	1	1	Digi-Key	541-20.0KHCT-ND	Mouser	71-CRCW0603-20K-E3		
37	R8, R22	RES, 100k ohm, 5%, 0.1W, 0603	Y	Vishay-Dale	CRCW0603100KJNEA	2	2	Mouser	71-CRCW0603J-100K-E3	Farnell	1692517		
38	R9, R29, R33, R35, R39, R47	RES, 10.0k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW060310K0FKEA	6	6	Digi-Key	541-10.0KHCT-ND	Mouser	71-CRCW0603-10K-E3		
39	R10	RES, 1.24k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW06031K24FKEA	1	1	Digi-Key	541-1.24KHCT-ND	Mouser	71-CRCW0603-1.24K-E3		
40	R11, R18, R19, R20, R45	RES, 4.99k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW06034K99FKEA	5	5	Digi-Key	541-4.99KHCT-ND	Mouser	71-CRCW0603-4.99K-E3		
41	R12	RES, 1.5k ohm, 5%, 0.1W, 0603	Y	Vishay-Dale	CRCW06031K50JNEA	1	1	Digi-Key	541-1.5KGCT-ND	Farnell	1531366		
42	R14	RES, 866 ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW0603866RFKEA	1	1	Digi-Key	541-866HCT-ND	Mouser	71-CRCW0603-866-E3		

43	R15, R27	RES, 10k ohm, 5%, 0.1W, 0603	Y	Vishay-Dale	CRCW060310K0JNEA	2	2	Digi-Key	541-10KGCT-ND	Farnell	1562240	
44	R23	RES, 21.0k ohm, 0.1%, 0.1W, 0603	Y	Yageo America	RT0603BRD0721KL	1	1					
45	R25	RES, 1.74k ohm, 1%, 0.1W, 0603	Y	Yageo America	RC0603FR-071K74L	1	1	Digi-Key	311-1.74KHRCT-ND	Mouser	603-RC0603FR-071K74L	
46	R26, R37	RES, 4.12k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW06034K12FKEA	2	2	Digi-Key	541-4.12KHCT-ND	Mouser	71-CRCW0603-4.12K-E3	
47	R28, R38	RES, 4.75k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW06034K75FKEA	2	2	Digi-Key	541-4.75KHCT-ND	Mouser	71-CRCW0603-4.75K-E3	
48	R31	RES, 3.57k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW06033K57FKEA	1	1	Digi-Key	541-3.57KHCT-ND	Mouser	71-CRCW0603-3.57K-E3	
49	R34, R41	RES, 2.87k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW06032K87FKEA	2	2	Digi-Key	541-2.87KHCT-ND	Mouser	71-CRCW0603-2.87K-E3	
50	R46	RES, 2.0k ohm, 5%, 0.1W, 0603	Y	Yageo America	RC0603JR-072KL	1	1	Digi-Key	311-2.0KHRCT-ND	Mouser	603-RC0603JR-072KL	
51	R48, R53	RES, 160k ohm, 1%, 0.1W, 0603	Y	Yageo America	RC0603FR-07160KL	2	2	Digi-Key	311-160KHRCT-ND	Mouser	603-RC0603FR-07160KL	
52	R66	RES, 17.4k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW060317K4FKEA	1	1	Digi-Key	541-17.4KHCT-ND	Mouser	71-CRCW0603-17.4K-E3	
53	R67	RES, 19.6k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW060319K6FKEA	1	1	Digi-Key	541-19.6KHCT-ND	Mouser	71-CRCW0603-19.6K-E3	
54	TP1, TP3, TP4, TP5, TP6, TP7, TP9, TP12, TP14, TP15, TP16	Test Point, Miniature, Red, TH	Y	Keystone	5000	11	11	Digi-Key	5000K-ND			
55	TP2	Test Point, Miniature, Black, TH	Y	Keystone	5001	1	1	Digi-Key	5001K-ND			
56	U1, U2	IC,		TI	LMZ31710	2	2					None
57	U3, U4	4.5V to 17V Input, 3A Synchronous Step Down SWIFT(TM) Converter, RHL0014A	Y	Texas Instruments	TPS54320RHL	2	2					None
58	U5	Series of Adjustable Micropower Voltage Regulators, 8-pin LLP	N	National Semiconductor	LP2951ACSDX-3.3	1	1					
59	U6	Timer, 8-pin Mini SOIC	N	National Semiconductor	LM555CMM	1	1					
60	U7	Power Sequencer, 8-pin MSOP	N	National Semiconductor	LM3881MM	1	1	Farnell	1552439			
61	U8, U9, U11	IC, 1.5A LDO Linear Regulator w/Programmable Soft start		TI	TPS74201RGW	3	3					None
62	U10	2-A Peak Sink/Source DDR Termination Regulator with VTTREF Buffered Reference For DDR2, DDR3 and DDR3L, DSQ0010A	Y	Texas Instruments	TPS51206DSQ	1	1					None
63	U12	IC REG LDO ADJ 3A 20VQFN	Y	Texas Instruments Inc	TPS74401MRGWREP	1	1		296-27227-1-ND			
64	VO1, VO2, VO3, VO4, VO5, VO6, VO7, VO8	Terminal, Turret, TH, Triple	Y	Keystone	1598-2	8	8	Digi-Key	1598-2K-ND			

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