

Assembly Bill of Materials

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Project Name:	PMP7901 REVB
Project File:	PMP7901 REVB.PrjPcb
Base ID:	XX7901
Schematic Rev:	E1
Assembly Variant:	ISOLATED
Build Quantity:	100
Generated:	3/22/2013 4:27:03 PM

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	IPC8	Printed Circuit Board	O	Any	XX7901	1	100					-	-
2	C1, C2	CAP CER 10UF 35V 20% X7R 1206	Y	TDK Corporation	C3216X7R1V106M160AC	2	200	Digikey	445-8034-1-ND			-	-
3	C3, C4, C7, C8, C12, C13, C14, C17	CAP, CERM, 10uF, 25V, +/-10%, X7R, 1206	Y	MuRata	GRM31CR71E106KA12L	8	800	Arrow	GRM31CR71E106KA12L			-	-
4	C5, C10	CAP, CERM, 0.1uF, 100V, +/-10%, X7R, 0805	Y	TDK	C2012X7R2A104K	2	200	Digi-Key	445-1418-1-ND	Farnell	1844410	-	-
5	C6	CAP, CERM, 1uF, 16V, +/-10%, X5R, 0603	Y	MuRata	GRM188R61C105KA93D	1	100	Digi-Key	490-1536-1-ND			-	-
6	C9	CAP, CERM, 1uF, 25V, +/-10%, X7R, 0603	Y	MuRata	GRM188R71E105KA12D	1	100	Digi-Key	490-5307-1-ND	Mouser	81-GRM188R71E105KA2D	-	-
7	C11	CAP CER 1000PF 1.5KV X7R 1206	Y	Kemet	C1206C102KFRACU	1	100	Digikey	399-7078-1-ND			-	-
8	C15	CAP, CERM, 100pF, 50V, +/-5%, C0G/NP0, 0805	Y	TDK	C2012C0G1H101J	1	100	Digi-Key	445-1329-1-ND	Farnell	1118188	-	-
9	C18	CAP, CERM, 0.22uF, 25V, +/-10%, X5R, 0603	Y	MuRata	GRM188R61E224KA88D	1	100	Digi-Key	GRM188R61E224KA88D-ND			-	-
10	D1	Diode, Zener, 30V, 3W, SMA	Y	Micro Commercial Components	3SMAJ5936B-TP	1	100	Digi-Key	3SMAJ5936B-TPMSCT-ND			-	-
11	D2, D4	Diode, Schottky, 100V, 1A, SMB	Y	ON Semiconductor	MBRS1100T3G	2	200	Digi-Key	MBRS1100T3GOSCT-ND	Farnell	1567362	-	-
12	D3	Diode, Schottky, 100V, 1A, SMA	Y	Diodes Inc.	B1100-13-F	1	100	Digi-Key	B1100-FDICT-ND	Arrow	B1100-13-F	-	-
13	FID1, FID2, FID3, FID4, FID5, FID6	Fiducial mark. There is nothing to buy or mount.		N/A	N/A	6	600					-	-
14	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			-	-
15	H5, H6, H7, H8	Standoff, Hex, 0.5"L #4-40 Nylon	Y	Keystone	1902C	4	400	Digi-Key	1902CK-ND			-	-
16	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	-	-
17	R1	RES, 4.99 ohm, 1%, 0.125W, 0805	Y	Vishay-Dale	CRCW08054R99FKEA	1	100	Digi-Key	541-4.99CCCT-ND	Arrow	CRCW08054R99FKEA	Any	Equivalent
18	R2	RES, 3.01k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW06033K01FKEA	1	100	Digi-Key	541-3.01KHCT-ND	Farnell	1469791	-	-
19	R3, R12	RES, 1.00k ohm, 1%, 0.125W, 0805	Y	Vishay-Dale	CRCW08051K00FKEA	2	200	Digi-Key	541-1.00CCCT-ND	Farnell	1152179	- Any	-, Equivalent
20	R4	RES, 60.4k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW060360K4FKEA	1	100	Digi-Key	541-60.4KHCT-ND	Newark	52K8643	-	-
21	R5	RES, 392 ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW0603392R2FKEA	1	100	Digi-Key	541-392HCT-ND	Mouser	71-CRCW0603-392-E3	-	-
22	R6	RES, 40.2k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW060340K2FKEA	1	100	Digi-Key	541-40.2KHCT-ND	Farnell	1157407	-	-
23	R7	RES, 8.66k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW06038K66FKEA	1	100	Digi-Key	541-8.66KHCT-ND	Farnell	1157495	Any	Equivalent
24	R8	RES, 10.0k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW060310K0FKEA	1	100	Digi-Key	541-10.0KHCT-ND	Mouser	71-CRCW0603-10K-E3	-	-
25	R10, R11, R15	RES, 0 ohm, 5%, 0.1W, 0603	Y	Vishay-Dale	CRCW0603000Z0EA	3	300	Digi-Key	541-0.0GCT-ND	Farnell	1288408	Any	Equivalent
26	R13	RES, 3.16k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW06033K16FKEA	1	100	Digi-Key	541-3.16KHCT-ND	Farnell	1157347	-	-
27	T1	INDUCTOR/TRANSFORMER 10.1UH SMD	Y	Cooper Bussman	VPH4-0060-R	1	100	Digikey	513-1697-ND			-	-
28	TP1, TP2, TP3, TP4, TP5, TP6	Terminal, Turret, TH, Double	Y	Keystone	1502-2	6	600	Digi-Key	1502-2K-ND			Any	Equivalent
29	TP7, TP8, TP9	Test Point, TH, Miniature, White	Y	Keystone	5002	3	300	Digi-Key	5002K-ND	Newark	52F7279	Any	Equivalent
30	U1	High Voltage Switch Mode Regulator, 8-pin LLP, Pb-Free	Y	National Semiconductor	LM5001SDX/NOPB	1	100	Digi-Key	LM5001SDX-ND			-	-
31	U3	High Isolation Voltage Single Transistor Type OptoCoupler	Y	California Eastern Laboratories	PS2501L-1-A	1	100	Digi-Key	PS2501L-1A-ND	Arrow	PS2501L-1-A	-	-
32	U4	Low-Voltage (1.24V) Adjustable Precision Shunt Regulator, 5-pin SOT-23	N	National Semiconductor	LMV431ACM5	1	100	Digi-Key	LMV431ACM5TR-ND	Digi-Key	LMV431ACM5CT-ND	-	-
33	C16	Capacitor	Y	TDK	C2012Y5V1H105Z	0	0					-	-
34	R14	RES, 0 ohm, 5%, 0.1W, 0603	Y	Vishay-Dale	CRCW0603000Z0EA	0	0	Digi-Key	541-0.0GCT-ND	Farnell	1288408	Any	Equivalent
35	Rx2	RES, 3.01k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW06033K01FKEA	0	0	Digi-Key	541-3.01KHCT-ND	Farnell	1469791	-	-
36	Rx3	RES, 1.00k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW06031K00FKEA	0	0	Digi-Key	541-1.00KHCT-ND	Farnell	1151593	Any	Equivalent

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