



Project Name:	Change in menu Project
Project File:	PMP9484.PrjPcb
Base ID:	XX####
Schematic Rev:	E1
Assembly Variant:	None
Build Quantity:	100
Generated:	8/19/2014 3:49:30 PM

Item	Designator	Quantity	Required	Manufacturer	PartNumber	Description
1	!PCB1	1	100	Any	XX####	Printed Circuit Board
2	C1	1	100	AVX	08051A151JAT2A	CAP, CERM, 150 pF, 100 V, +/- 5%, C0G/NP0, 0805
3	C2, C3, C4, C10	4	400	MuRata	GRM32DR71H335KA88L	CAP, CERM, 3.3uF, 50V, +/-10%, X7R, 1210
4	C5	1	100	Nichicon	UCD2A331MNQ1MS	CAP, Al Electrolytic, 330uF, 100V, +/-20%, SMT
5	C6, C7, C8, C9	4	400	Panasonic	EEE-FP1V331AP	CAP, AL, 330 uF, 35 V, +/- 20%, 0.06 ohm, SMD
6	C11, C13, C14	3	300	Taiyo Yuden	GMK325AB7106MM-T	CAP, CERM, 10 uF, 35 V, +/- 20%, X7R, 1210
7	C12	1	100	MuRata	GRM32CR72A105KA35L	CAP, CERM, 1uF, 100V, +/-10%, X7R, 1210
8	C15	1	100	AVX	08053C104KAT2A	CAP, CERM, 0.1uF, 25V, +/-10%, X7R, 0805
9	C16, C18, C20	3	300	MuRata	GRM1885C1H101JA01D	CAP, CERM, 100pF, 50V, +/-5%, C0G/NP0, 0603
10	C17	1	100	MuRata	GRM21BR71C475KA73L	CAP, CERM, 4.7uF, 16V, +/-10%, X7R, 0805
11	C19, C21	2	200	MuRata	GRM188R71E474KA12D	CAP, CERM, 0.47uF, 25V, +/-10%, X7R, 0603
12	C22	1	100	AVX	06033C104KAT2A	CAP, CERM, 0.1 uF, 25 V, +/- 10%, X7R, 0603
13	C23	1	100	AVX	06031C471JAT2A	CAP, CERM, 470 pF, 100 V, +/- 5%, X7R, 0603
14	C24	1	100	MuRata	GRM188R71H393KA61D	CAP, CERM, 0.039 uF, 50 V, +/- 10%, X7R, 0603
15	C25, C29	2	200	AVX	0603YC104JAT2A	CAP, CERM, 0.1 uF, 16 V, +/- 5%, X7R, 0603
16	C26, C28, C30, C31, C33, C49	6	600	Taiyo Yuden	LMK212B7475KG-T	CAP, CERM, 4.7 uF, 10 V, +/- 10%, X7R, 0805
17	C27	1	100	Panasonic	EEE-FC1V100R	CAP, AL, 10 uF, 35 V, +/- 20%, 1.8 ohm, SMD
18	C32	1	100	MuRata	GRM21BR71A475KA73L	CAP, CERM, 4.7 uF, 10 V, +/- 10%, X7R, 0805
19	C34, C35, C54, C55	4	400	Panasonic	EEE-FK1V470P	CAP, AL, 47 uF, 35 V, +/- 20%, 0.36 ohm, SMD
20	C36, C58	2	200	AVX	08055C104KAT2A	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, 0805
21	C37, C57	2	200	AVX	08055C102KAT2A	CAP, CERM, 1000 pF, 50 V, +/- 10%, X7R, 0805
22	C38, C42, C46, C50	4	400	TDK	C1608X7R1H224K080AB	CAP, CERM, 0.22 uF, 50 V, +/- 10%, X7R, 0603
23	C39, C43, C47, C52	4	400	MuRata	GRM1885C1H331JA01D	CAP, CERM, 330 pF, 50 V, +/- 5%, C0G/NP0, 0603
24	C40, C48, C59, C60	4	400	MuRata	GRM21BR72A103KA01L	CAP, CERM, 0.01 uF, 100 V, +/- 10%, X7R, 0805
25	C41, C45, C51, C53	4	400	MuRata	GRM31MR71H684KA88L	CAP, CERM, 0.68 uF, 50 V, +/- 10%, X7R, 1206
26	C44	1	100	AVX	08055C105KAT2A	CAP, CERM, 1 uF, 50 V, +/- 10%, X7R, 0805
27	C56	1	100	AVX	06035A470JAT2A	CAP, CERM, 47 pF, 50 V, +/- 5%, C0G/NP0, 0603
28	D1	1	100	Diodes Inc.	DFLS1100-7	Diode, Schottky, 100V, 1A, PowerDI123
29	D2	1	100	ON Semiconductor	1SMB5920BT3G	Diode, Zener, 6.2V, 550 mW, SMB
30	FID1, FID2, FID3	3	300	N/A	N/A	Fiducial mark. There is nothing to buy or mount.
31	H1, H2, H3, H4	4	400	B&F Fastener Supply	NY PMS 440 0025 PH	Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead
32	H5, H6, H7, H8	4	400	Keystone	1902C	Standoff, Hex, 0.5"L #4-40 Nylon
33	H9, H10, H11, H12	4	400	3M	SJ-5303 (CLEAR)	Bump, Hemisphere, 0.44 X 0.20, Clear
34	J1	1	100	Phoenix Contact	1715721	Conn Term Block, 2POS, 5.08mm, TH
35	J2	1	100	Phoenix Contact	1751248	Conn Term Block, 2POS, 3.5mm, TH
36	J3, J5	2	200	Sullins Connector Solutions	PBC02SAAN	Header, 100mil, 2x1, Gold, TH
37	J4	1	100	Switchcraft	PJ1RAN1X1U01X	RCA Jack, R/A, Black, TH
38	J6	1	100	Switchcraft	PJ1RAN1X1U03X	RCA Jack, R/A, Red, TH
39	J7, J8, J12	3	300	Sullins Connector Solutions	PBC03SAAN	Header, 100mil, 3x1, Gold, TH
40	J9, J11, J13	3	300	Keystone	7006	Binding Post, RED, TH
41	J10	1	100	Keystone	7007	Binding Post, BLACK, TH
42	L1	1	100	Würth Elektronik eiSos	74435581000	Inductor, Drum Core, Ferrite, 10uH, 21A, 0.0034 ohm, SMD
43	L2, L3, L4, L5	4	400	Toko	931BS-100M	Inductor, Shielded, Ferrite, 10uH, 7.8A, 0.011 ohm, SMD

Item	Designator	Quantity	Required	Manufacturer	PartNumber	Description
44	LBL1	1	100	Brady	THT-14-423-10	Thermal Transfer Printable Labels, 0.650" W x 0.200" H - 10,000 per roll
45	Q1, Q2	2	200	Texas Instruments	CSD18501Q5A	MOSFET, N-CH, 40V, 22A, SON 5x6mm
46	R1	1	100	Bourns	CRM2010-JW-4R7ELF	RES, 4.7 ohm, 5%, 1W, 2010
47	R2	1	100	Susumu Co Ltd	KRL7638-C-R003-F-T1	RES, 0.003, 1%, 4 W, 3015 WIDE
48	R3, R4	2	200	Vishay-Dale	CRCW0603100RFKEA	RES, 100 ohm, 1%, 0.1W, 0603
49	R5, R6, R7, R8, R12, R15	6	600	Panasonic	ERJ-3GEY0R00V	RES, 0 ohm, 5%, 0.1W, 0603
50	R9	1	100	Vishay-Dale	CRCW060349KFKEA	RES, 49.9k ohm, 1%, 0.1W, 0603
51	R10	1	100	Vishay-Dale	CRCW08052R20JNEA	RES, 2.2 ohm, 5%, 0.125W, 0805
52	R11	1	100	Vishay-Dale	CRCW0603124KFKEA	RES, 124 k, 1%, 0.1 W, 0603
53	R13	1	100	Yageo America	RT0603BRD079K2L	RES, 9.20 k, 0.1%, 0.1 W, 0603
54	R14	1	100	Yageo America	RT0603BRD0764K2L	RES, 64.2 k, 0.1%, 0.1 W, 0603
55	R16	1	100	Yageo America	RC0603FR-0739KL	RES, 39.0 k, 1%, 0.1 W, 0603
56	R17	1	100	Vishay-Dale	CRCW06032K49FKEA	RES, 2.49 k, 1%, 0.1 W, 0603
57	R18	1	100	Yageo America	RT0603BRD0747KL	RES, 47.0 k, 0.1%, 0.1 W, 0603
58	R19	1	100	Vishay-Dale	CRCW080548R7FKEA	RES, 48.7 ohm, 1%, 0.125W, 0805
59	R20	1	100	Vishay-Dale	CRCW060313K0JNEA	RES, 13 k, 5%, 0.1 W, 0603
60	R21, R26	2	200	Vishay-Dale	CRCW060322K0JNEA	RES, 22 k, 5%, 0.1 W, 0603
61	R22, R23	2	200	Vishay-Dale	CRCW060315K0JNEA	RES, 15 k, 5%, 0.1 W, 0603
62	R24	1	100	Vishay-Dale	CRCW12061K00FKEA	RES, 1.00 k, 1%, 0.25 W, 1206
63	R25, R27	2	200	Vishay-Dale	CRCW060310K0JNEA	RES, 10 k, 5%, 0.1 W, 0603
64	R28	1	100	Vishay-Dale	CRCW12065K60JNEA	RES, 5.6 k, 5%, 0.25 W, 1206
65	R29, R37	2	200	Vishay-Dale	CRCW0603100KFKEA	RES, 100 k, 1%, 0.1 W, 0603
66	R30, R34, R39, R41	4	400	Vishay-Dale	CRCW06033R32FKEA	RES, 3.32, 1%, 0.1 W, 0603
67	R31, R33, R35, R38	4	400	Stackpole Electronics Inc	RNCP0805FTD10R0	RES, 10.0 ohm, 1%, 0.25W, 0805
68	R32	1	100	Vishay-Dale	CRCW060375K0FKEA	RES, 75.0 k, 1%, 0.1 W, 0603
69	R36	1	100	Yageo America	RC0603FR-0747KL	RES, 47.0 k, 1%, 0.1 W, 0603
70	R40	1	100	Yageo America	RC0603FR-074K7L	RES, 4.70 k, 1%, 0.1 W, 0603
71	TP1, TP3	2	200	Keystone	5010	Test Point, Multipurpose, Red, TH
72	TP2, TP7, TP8	3	300	Keystone	5012	Test Point, Multipurpose, White, TH
73	TP4, TP5	2	200	Keystone	5011	Test Point, Multipurpose, Black, TH
74	TP6	1	100	Keystone	5009	Test Point, Compact, Yellow, TH
75	TP9, TP10, TP13, TP15, TP17, TP18, TP19	7	700	Keystone	5000	Test Point, Miniature, Red, TH
76	TP11, TP12, TP14, TP16, TP20	5	500	Keystone	5001	Test Point, Miniature, Black, TH
77	U1	1	100	TI	LM5122MH	
78	U2	1	100	National Semiconductor	LM324AM	Low Power Quad Op Amp
79	U3	1	100	Texas Instruments	TPA3116D2DAD	IC AMP AUD 50W STER D 32HTSSOP

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