

Assembly Bill of Materials

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Project Name:	PMP9481
Project File:	PMP9481 REV.B.PrjPcb
Base ID:	PMP9481
Schematic Rev:	E1
Assembly Variant:	None
Build Quantity:	100
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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	Atty	PMP9481	1	100						
2	C1	CAP. CERM, 1200 pF, 50 V, +/- 10%, X7R, 0805	Y	AVX	08055C122KAT2A	1	100	Digi-Key	478-1372-1-ND	Mouser	581-08055C122K		
3	C2, C5	CAP. CERM, 2.2 uF, 35 V, +/- 10%, X7R, 0805	Y	TDK	C2012X7R1V225K085AC	2	200	Digi-Key	445-14547-1-ND				
4	C3	CAP. CERM, 0.1uF, 100V, +/-10%, X7R, 0805	Y	TDK	C2012X7R2A104K	1	100	Digi-Key	445-1418-1-ND	Farnell	1844410		
5	C4	CAP. CERM, 100pF, 50V, +/-5%, COG/NP0, 0603	Y	AVX	06035A101JAT2A	1	100	Digi-Key	478-1175-1-ND	Mouser	581-06035A101J		
6	C6	CAP. CERM, 1uF, 16V, +/-10%, X5R, 0603	Y	MuRata	GRM188R61C105KA93D	1	100	Digi-Key	490-1536-1-ND				
7	C7	CAP. AL, 68 uF, 63 V, +/- 20%, 0.35 ohm, SMD	Y	Panasonic	EEE-FK1J680UP	1	100	Digi-Key	PCE4307CT-ND	Mouser	667-EEE-FK1J680UP		
8	C8	CAP. CERM, 10 uF, 50 V, +/- 10%, X7R, 1210	Y	MuRata	GRM32ER71H106KA12L	1	100	Digi-Key	490-6544-1-ND	Mouser	81-GRM32ER71H106KA2L		
9	C9	CAP. CERM, 4.7 uF, 50 V, +/- 10%, X7R, 1206	Y	MuRata	GRM31CR71H475KA12L	1	100	Mouser	81-GRM31CR71H475KA2L	Farnell	1735545		
10	C10	CAP. CERM, 22 uF, 16 V, +/- 20%, X7R, 1210	Y	TDK	C3225X7R1C226M	1	100	Digi-Key	445-3955-1-ND	Farnell	1907364		
11	C11	CAP. CERM, 4700 pF, 50 V, +/- 10%, X7R, 0603	Y	Kemet	C0603C472K5RACTU	1	100	Digi-Key	399-1087-1-ND	Mouser	80-C0603C472K5R		
12	CX1	CAP. CERM, 0.01 uF, 50 V, +/- 10%, X7R, 1206	Y	Yageo America	CC1206KRX7R9BB103	1	100	Digi-Key	311-1174-1-ND	Mouser	603-CC206KRX7R9BB103		
13	CX2	CAP. CERM, 2200 pF, 50 V, +/- 10%, X7R, 1206	Y	Kemet	C1206C222K5RACTU	1	100	Digi-Key	399-1226-1-ND	Mouser	80-C1206C222K5R		
14	CX3	CAP. CERM, 22 uF, 50 V, +/- 20%, X5R, 6x5x5mm	Y	TDK	CKG57NX5R1H226M500JH	1	100	Digi-Key	445-1655-1-ND	Mouser	810-CKG57NX5R1H226M		
15	D1	Diode, Schottky, 60V, 1A, SMA	Y	Diodes Inc.	B160-13-F	1	100	Digi-Key	B160-FDICT-ND	Mouser	621-B160-F		
16	FID1, FID2, FID3, FID4, FID5, FID6	Fiducial mark. There is nothing to buy or mount.	Y		N/A	6	600						
17	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				
18	H5, H6, H7, H8	Standoff, Hex, 0.5"L #4-40 Nylon	Y	Keystone	1902C	4	400	Digi-Key	1902CK-ND				
19	L1	Inductor, Shielded Drum Core, Ferrite, 68uH, 0.8A, 0.28 ohm, SMD	Y	Coilcraft	MSS7341-683MLB	1	100						
20	L2	Coupled inductor, 33uH, 1.73A, 0.143 ohm, +/-20%, SMD	Y	Coiltronics	DRQ74-330-R	1	100	Digi-Key	513-1269-1-ND				
21	L3	CHOKO COM MODE 2 X 470UH 1.6A	Y	Würth Elektronik eiSos	744272471	1	100	Digi-Key	732-1492-1-ND				
22	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		
23	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
24	R2	RES, 22.1k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	RCW060322K1FKEA	1	100	Digi-Key	541-22.1KHCT-ND	Farnell	1151830	Any	Equivalent
25	R3	RES, 4.70, 1%, 0.25 W, 1206	Y	Yageo America	RC1206FR-074R7L	1	100	Digi-Key	311-4.70FRCT-ND	Mouser	603-RC1206FR-074R7L		
26	R4	RES, 150 k, 1%, 0.1 W, 0603	Y	Vishay-Dale	CRCW0603150KFKFA	1	100	Digi-Key	541-150KHCT-ND	Mouser	71-CRCW0603-150K-E3		
27	R5	RES, 84.5 k, 1%, 0.1 W, 0603	Y	Vishay-Dale	CRCW060384K5FKFA	1	100	Digi-Key	541-84.5KHCT-ND	Mouser	71-CRCW0603-84.5K-E3		
28	R6	RES, 49.9, 1%, 0.1 W, 0603	Y	Yageo America	RC0603FR-0749R9L	1	100	Digi-Key	311-49.9HRCT-ND	Mouser	603-RC0603FR-0749R9L		
29	R7	RES, 25.5 k, 1%, 0.1 W, 0603	Y	Yageo America	RC0603FR-0725K5L	1	100	Digi-Key	311-25.5KHRCT-ND	Mouser	603-RC0603FR-0725K5L		
30	R8	RES, 6.04 k, 0.5%, 0.1 W, 0603	Y	Yageo America	RT0603DRE076K04L	1	100						
31	R9	RES, 10.0 k, 1%, 0.1 W, 0603	Y	Yageo America	RC0603FR-0710KL	1	100	Digi-Key	311-10.0KHRCT-ND	Mouser	603-RC0603FR-0710KL		
32	TP1, TP2, TP3, TP4	Terminal, Turret, TH, Double	Y	Keystone	1502-2	4	400	Digi-Key	1502-2K-ND			Any	Equivalent
33	TP5, TP7, TP8	Test Point, Multipurpose, Red, TH	Y	Keystone	5010	3	300	Digi-Key	5010K-ND				
34	TP6, TP9, TP10	Test Point, Multipurpose, Black, TH	Y	Keystone	5011	3	300	Digi-Key	5011K-ND				
35	U1	High Voltage Switch Mode Regulator, 8-pin LLP, Pb-Free	Y	National Semiconductor	LM5001SDX/NOPB	1	100	Digi-Key	LM5001SDX-ND				

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