

Assembly Bill of Materials

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Project Name:	PMP7883 REV D
Project File:	PMP7883 REV D.PrjPcb
Base ID:	XX7883
Schematic Rev:	E1
Assembly Variant:	001
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	Any	XX7883	1	100					-	-
2	C1, C2	CAP CER 10000PF 300V 20% RADIAL	Y	Vishay	BC2361-ND	2	200	Digi-Key	BC2361-ND			-	-
3	C3	CAP, CERM, 100pF, 50V, +/-5%, C0G/NP0, 0603	Y	AVX	06035A101JAT2A	1	100	Digi-Key	478-1175-1-ND	Mouser	581-06035A101J	-	-
4	C5, C16	CAP ALUM 10UF 450V 20% RADIAL	Y	Panasonic	EEU-EE2W100U	2	200	Digi-Key	P13671-ND			-	-
5	C6	CAP, CERM, 3300pF, 630V, +/-5%, C0G/NP0, 1206	Y	TDK	C3216C0G2J332J	1	100	Digi-Key	445-2345-1-ND	Arrow	C3216C0G2J332J	-	-
6	C7	CAP, [CAP ALUM 1500UF 16V 20% RADIAL	RoHS Compliant	Nichicon	UHM1C152MPD	1	100	Digi-Key	UHM1C152MPD-ND			-	-
7	C8	CAP, CERM, 10uF, 16V, +/-20%, X5R, 0805	Y	AVX	0805YD106MAT2A	1	100					-	-
8	C9	CAP ALUM 22UF 100V 20% RADIAL	RoHS Compliant	Panasonic Electronic Components	ECA-2AM220	1	100	Digi-Key				-	-
9	C10	CAP, CERM, 4.7uF, 25V, +/-10%, X7R, 1206	Y	TDK	C3216X7R1E475K	1	100	Digi-Key	445-1606-1-ND	Arrow	C3216X7R1E475K	-	-
10	C11	CAP, CERM, 15pF, 50V, +/-5%, C0G/NP0, 0603	Y	MuRata	GRM1885C1H150JA01D	1	100	Digi-Key	490-1407-1-ND	Mouser	81-GRM39C150J50	-	-
11	C12	CAP, CERM, 0.01uF, 25V, +/-5%, C0G/NP0, 0603	Y	TDK	C1608C0G1E1103J	1	100	Digi-Key	445-2664-1-ND	Arrow	C1608C0G1E1103J	-	-
12	C13	CAP, CERM, 2200pF, 50V, +/-5%, C0G/NP0, 0402	Y	MuRata	GRM1555C1H221JA01D	1	100	Digi-Key	490-1293-1-ND			-	-
13	C14	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	Y	Kemet	C0603C104K5RACTU	1	100	Digi-Key	399-5089-1-ND	Mouser	80-C0603C104K5R	-	-
14	C15	CAP CER 220PF 1KV 10% RADIAL	Y	Murata Electronics North America	DEBB33A22K1C1B	1	100	Digi-Key	490-4261-ND			-	-
15	CX1	CAP, CERM, 820pF, 50V, +/-5%, C0G/NP0, 0603	Y	Kemet	C0603C821J5GACTU	1	100	Digi-Key	399-3291-1-ND	Mouser	80-C0603C821J5G	-	-
16	CX2	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	Y	TDK	C1608X7R1H1104K	1	100	Digi-Key	445-1314-1-ND	Farnell	1118182	-	-
17	D1	Diode, Switching-Bridge, 600V, 1.5A, DF-S	Y	Diodes Inc.	DF1506S	1	100					-	-
18	D2	DIODE SCHOTTKY 100V 8A D2PAK	Y	Vishay-Semiconductor	8TQ100SPBF	1	100	Digi-Key	8TQ100SPBF-ND			Any	Equivalent
19	D3	Diode, Schottky, 600V, 1A, SMA	Y	Diodes Inc	US1J-13-F	1	100	Digi-Key	US1J-FDICT-ND	Farnell	1562285	-	-
20	D4	Diode, Ultrafast, 200V, 1A, SOD-123	Y	Rohm	RF071M2S	1	100	Digi-Key	RF071M2SCT-ND			-	-
21	D5	Diode, Zener, 15V, 500mW, SOD-123	Y	Diodes Inc.	MMSZ5245B-7-F	1	100	Digi-Key	MMSZ5245B-FDICT-ND	Arrow	MMSZ5245B-7-F	-	-
22	F1	FUSE FAST 250VAC 1A RADIAL	RoHS Compliant	Littlefuse Inc	37011000410	1	100	Digi-Key	WK4948BK-ND	Digi-Key	WK4948BK-ND	-	-
23	F1A	Fuseholders, Clips, & Hardware 6.3A/1.6W/4.3mm TR5/TE5 Holder	Y	Littlefuse	56000001009	1	100	Digi-Key	WK6235-ND			-	-
24	FID1, FID2, FID4, FID5	Fiducial mark. There is nothing to buy or mount.		N/A	N/A	4	400					-	-
25	J1, J2, J3, J4	THROUGH HOLE PAD	Y	NONE	TH PAD	4	400					-	-
26	L1	Inductor, Shielded Drum Core, Ferrite, 680nH, 2.4A, 0.05 ohm, SMD	Y	Coilcraft	LPS4012-681MLB	1	100					Any	Equivalent
27	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	-	-
28	Q1	MOSFET N-CH 600V 120MA SOT-223	Y	Infineon	BSP135 L6433	1	100	Digi-Key	BSP135 L6433CT-ND			-	-
29	Q2	MOSFET N-CH 600V 5.7A TO252-3	Y	Infineon Technologies	IPD60R750E6	1	100	Digi-Key	IPD60R750E6CT-ND			-	-
30	Q3	TRANS NPN 300V 100MA SOT223	RoHS Compliant	Fairchild Semiconductor	PZTA42,115	1	100	Digi-Key	PZTA42CT-ND			-	-
31	R1	RES, 11.0k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW060311K0FKEA	1	100	Digi-Key	541-11.0KHCT-ND	Farnell	1570716	-	-
32	R4, R5, R6	RES, 249k ohm, 1%, 0.25W, 1206	Y	Vishay-Dale	CRCW1206249KFKEA	3	300	Digi-Key	541-249KFCT-ND	Mouser	71-CRCW1206-249K-E3	-	-
33	R7	RES 10.0K OHM 1W 1% 2512 SMD	RoHS Compliant	Vishay Dale	CRCW251210K0FKEGHP	1	100	Digi-Key	541-10.0KRCT-ND	Newark	42K4075	-	-
34	R8	RES 23.7K OHM 1/10W 1% 0603 SMD	RoHS Compliant	Yageo	RC0603FR-0723K7L	1	100	Digi-Key	311-23.7KHRCT-ND			-	-
35	R10	RES, 221k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW0603221KFKEA	1	100	Digi-Key	541-221KHCT-ND	Mouser	71-CRCW0603-221K-E3	-	-
36	R12	RES, 1.21k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW06031K21FKEA	1	100	Digi-Key	541-1.21KHCT-ND	Farnell	1157162	-	-
37	R13	RES, 15.2k ohm, 0.5%, 0.1W, 0603	Y	Yageo America	RT0603DRE0715K2L	1	100					-	-
38	R14	RES, 10.0 ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW060310R0FKEA	1	100	Digi-Key	541-10.0HCT-ND	Farnell	1157184	-	-
39	R15	RES, 10.0M ohm, 1%, 0.25W, 1206	Y	Vishay-Dale	CRCW120610M0FKEA	1	100	Digi-Key	541-10.0MFCT-ND	Farnell	1469973	-	-
40	R16	RES, 4.75 ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW06034R75FKEA	1	100	Digi-Key	541-4.75HCT-ND	Arrow	CRCW06034R75FKEA	-	-
41	R17	RES, 1.00k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW06031K00FKEA	1	100	Digi-Key	541-1.00KHCT-ND	Farnell	1151593	-	-
42	R18	RES, 60.4k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW060360K4FKEA	1	100	Digi-Key	541-60.4KHCT-ND	Newark	52K8643	-	-
43	R19	RES, 0.25 ohm, 1%, 0.5W, 1206	Y	Stackpole Electronics Inc	CSR1206FKR250CT	1	100	Digi-Key	CSR1206FKR250CT-ND			-	-
44	R20, RX4	RES, 0 ohm, 5%, 0.1W, 0603	Y	Vishay-Dale	CRCW06030000Z0EA	2	200	Digi-Key	541-0.0GCT-ND	Mouser	71-CRCW0603-0-E3	-	-
45	R21	RES, 19.1k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW060319K1FKEA	1	100	Digi-Key	541-19.1KHCT-ND	Mouser	71-CRCW0603-19.1K-E3	-	-
46	RT1	CURRENT LIMITER INRUSH 300HM 20%	RoHS Compliant	Cantherm	MF72-030D11	1	100	Digi-Key	317-1185-ND			-	-
47	RX1	RES, 22.1 ohm, 1%, 0.1W, 0603	Y	Yageo America	RC0603FR-0722R1L	1	100	Digi-Key	311-22.1HRCT-ND			-	-
48	RX2	RES, 100k ohm, 1%, 0.1W, 0603	Y	Yageo America	RC0603FR-07100KL	1	100	Digi-Key	311-100KHCT-ND			-	-
49	RX5	RES, 120 ohm, 1%, 0.1W, 0603	Y	Yageo America	RC0603FR-07120RL	1	100	Digi-Key	311-120HRCT-ND	Mouser	603-RC0603FR-07120RL	-	-
50	S1	SW SLIDE ULTR MINI SPOT SIDE ACT	Y	NKK	SS12SDH2	1	100					-	-
51	T1	CHOKE COMMON MODE 4.7MH 0.4A SMD	Y	Murata	50475C	1	100					-	-
52	T2	Wurth Elektronik Transformer	Y	Wurth Elektronik	custom	1	100	Wurth Elektronik	7508112328			-	-
53	U1	IC, CTRL, AC-DC Quasi Resonant PWM	Y	Texas Instruments	LM5023	1	100					-	-
54	U2	Low Input Current, Hight CTR Photocoupler	Y	Renesas	PS2811-1-M-A	1	100					-	-
55	U3	IC VREF SHUNT PREC ADJ SOT-23-3	RoHS Compliant	National Semiconductor	LMV431BIMF/NOPB	1	100	Digi-Key	LMV431BIMFCT-ND	Newark	41K3127	-	-
56	DX1	Diode, Zener, 4.3V, 500mW, SOD-123	Y	Diodes Inc.	MMSZ5229B-7-F	0	0	Digi-Key	MMSZ5229B-FDICT-ND	Arrow	MMSZ5229B-7-F	-	-

57	RX3	RES, 1.00k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW06031K00FKEA	0	0	Digi-Key	S41-1.00KHCT-ND	Farnell	1151593	-	-
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