

Assembly Bill of Materials

SVA Document P/N: 980XX7856None-X1

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Project Name:	PMP7856
Project File:	PMP7856 REVA.PrjPcb
Base ID:	XX7856
PCB CopperRev:	001
PCB SilkRev:	REV A
Assembly Variant:	None
Schematic Rev:	X1
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
1	AA1	Printed Circuit Board	O	TBD by TI	551XX7856-001 REV A	1	100				
2	C1, C3, C8, C12, C14, C19	CAP, CERM, 2.2uF, 100V, +/-10%, X7R, 1210	Y	MuRata	GRM32ER72A225KA35L	6	600	Digi-Key	490-3385-1-ND	Farnell	1404218
3	C2, C10, C16, C17	CAP, CERM, 0.1uF, 100V, +/-10%, X7R, 0603	Y	MuRata	GRM188R72A104KA35D	4	400	Digi-Key	490-3285-1-ND		
4	C4, C5	CAP, AL, 100uF, 63V, +/-20%, SMD	Y	Nippon Chemi-Con	EMVE630ADA101MJA0G	2	200	Digi-Key	565-2268-1-ND	Farnell	1698507
5	C6, C7, C18	CAP, AL, 220uF, 63V, +/-20%, 0.16 ohm, SMD	Y	Panasonic	EEV-FK1J221Q	3	300	Digi-Key	PCE3484CT-ND	Arrow	EEV-FK1J221Q
6	C9, C28	CAP, CERM, 2200pF, 100V, +/-10%, X7R, 0603	Y	MuRata	GRM188R72A222KA01D	2	200	Digi-Key	490-1478-1-ND		
7	C11, C15	CAP, CERM, 1uF, 16V, +/-10%, X5R, 0603	Y	Kemet	C0603C105K4PACTU	2	200	Digi-Key	399-5090-1-ND		
8	C13, C24	CAP, CERM, 47pF, 50V, +/-5%, COG/NP0, 0603	Y	MuRata	GRM1885C1H470JA01D	2	200	Digi-Key	490-1419-1-ND	Farnell	1118163
9	C20, C21	CAP, CERM, 100pF, 100V, +/-5%, COG/NP0, 0603	Y	TDK	C1608COG2A101J	2	200	Digi-Key	445-2306-1-ND	Farnell	1844399
10	C22, C23	CAP, CERM, 0.01uF, 100V, +/-5%, X7R, 0603	Y	AVX	06031C103JAT2A	2	200	Digi-Key	478-3700-1-ND	Farnell	1582671
11	C25, C29, C30	CAP, CERM, 1000pF, 100V, +/-5%, X7R, 0603	Y	AVX	06031C102JAT2A	3	300	Digi-Key	478-3698-1-ND	Farnell	1396446
12	C26, C27	CAP, CERM, 100pF, 100V, +/-5%, COG/NP0, 0603	Y	MuRata	GRM1885C2A101JA01D	2	200	Digi-Key	490-1351-1-ND		
13	D1	Diode, Zener, 8.7V, 500mW, SOD-123	Y	Diodes Inc.	MMSZ5238B-7-F	1	100	Digi-Key	MMSZ5238B-FDICT-ND	Mouser	621-MMSZ5238B-7-F
14	D2, D5	Diode, Schottky, 30V, 0.2A, SOD-323	Y	Diodes Inc.	BAT54WS-7-F	2	200	Digi-Key	BAT54WS-FDICT-ND	Arrow	BAT54WS-7-F
15	D3, D4, D6, D7	Diode, Zener, 18V, 500mW, SOD-123	Y	Vishay-Semiconductor	MMSZ4705-V	4	400	Newark	69R4776		
16	FID1, FID2, FID3, FID4, FID5, FID6	Fiducial mark. There is nothing to buy or mount.		N/A	N/A	6	600				
17	J1	TERMINAL BLOCK 9.52MM 2POS PCB	Y	On Shore Technology	OSTT7022150	1	100				
18	J2, J3	TERM BLOCK 5.08MM VERT 2POS PCB	Y	On Shore Technology	OSTTA024163	2	200				
19	L1	INDUCTOR POWER 10UH 16.5A SMD	Y	Vishay	IHLP6767GZER100MA1	1	100				
20	L2	INDUCTOR POWER 15UH 16.5A SMD	Y	Vishay	IHLP6767GZER150MA1	1	100				
21	Q1	Transistor, NPN, 40V, 0.2A, SOT-23	Y	Fairchild Semiconductor	MMBT3904	1	100	Digi-Key	MMBT3904FSCT-ND	Farnell	9846727
22	Q2, Q3, Q5, Q7, Q8, Q9	MOSFET, N-CH, 60V, 50A, PG-TDSON-8	Y	Infineon Technologies	BSC076N06NS3 G	6	600	Digi-Key	BSC076N06NS3 G-ND		
23	Q4	MOSFET, P-CH, -80V, -23.5A, DDPK	Y	Vishay-Siliconix	SUM110P08-11L	1	100				
24	Q6, Q10	TRANS BIPO PNP 30V 1A SOT-323	Y	Diodes Inc.	2DB1694-7	2	200	Digi-Key	2DB1694DICT-ND		
25	R1	RES, 2.10k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW06032K10FKEA	1	100	Digi-Key	541-2.10KHCT-ND	Mouser	71-CRCW0603-2.1K-E3
26	R2	RES, 0.002 ohm, 1%, 1W, 1210	Y	Rohm	PMR25HZPFV2L00	1	100	Digi-Key	RHM.002APCT-ND		
27	R3, R4, R13, R14	RES, 100 ohm, 1%, 0.125W, 0805	Y	Vishay-Dale	CRCW0805100RFKEA	4	400	Digi-Key	541-100CCT-ND	Mouser	71-CRCW0805-100-E3
28	R5, R17	RES, 10.0 ohm, 1%, 0.125W, 0805	Y	Vishay-Dale	CRCW080510R0FKEA	2	200	Digi-Key	541-10.0CCT-ND	Farnell	1157626
29	R7, R15	RES, 187k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW0603187KFKEA	2	200	Digi-Key	541-187KHCT-ND	Mouser	71-CRCW0603-187K-E3
30	R8	RES, 0 ohm, 5%, 0.125W, 0805	Y	Vishay-Dale	CRCW08050000Z0EA	1	100	Digi-Key	541-0.0ACT-ND	Farnell	1152177
31	R9, R16	RES, 15.8k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW060315K8FKEA	2	200	Digi-Key	541-15.8KHCT-ND	Mouser	71-CRCW0603-15.8K-E3
32	R10	RES, 1.50k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW06031K50FKEA	1	100	Digi-Key	541-1.50KHCT-ND	Farnell	1151613

33	R11	RES, 0.003 ohm, 1%, 0.5W, 2010	Y	Vishay-Dale	WSL20103L000FEA	1	100	Digi-Key	WSLE-.003CT-ND	Arrow	WSL20103L000FEA
34	R18, R19	RES, 31.6k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW060331K6FKEA	2	200	Digi-Key	541-31.6KHCT-ND	Farnell	1151933
35	R20	RES, 162k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW0603162KFKEA	1	100	Digi-Key	541-162KHCT-ND	Farnell	1157246
36	R21, R22	RES, 20.0 ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW060320R0FKEA	2	200	Digi-Key	541-20.0HCT-ND	Farnell	1151814
37	TP1, TP3, TP4, TP12	Test Point, TH, Miniature, Red	Y	Keystone	5000	4	400	Digi-Key	5000K-ND		
38	TP2, TP5, TP6, TP7, TP8, TP9, TP10, TP11, TP13	Test Point, TH, Miniature, White	Y	Keystone	5002	9	900	Digi-Key	5002K-ND	Newark	82H9632
39	TP14, TP15	Test Point, TH, Miniature, Black	Y	Keystone	5001	2	200	Digi-Key	5001K-ND		
40	U1	IC REG CTRLR BUCK PWM 38HTSSOP	Y	Texas Instruments	TPS43351QDAPRQ1	1	100				

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