

Variant: 001
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PMP9498 REV 1 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	PCB1	1		PMP9498	Any	Printed Circuit Board	
2	C1	1	150uF	EEV-FK1J151Q	Panasonic	CAP, AL, 150 µF, 63 V, +/- 20%, 0.16 ohm, SMD	SMT Radial H13
3	C2, C3, C4	3	10uF	GRM32ER71J106KA12L	MuRata	CAP, CERM, 10 µF, 63 V, +/- 10%, X7R, 1210	1210
4	C5, C7	2	4700pF	C2012X7R2A472K	TDK	CAP, CERM, 4700 pF, 100 V, +/- 10%, X7R, 0805	0805
5	C6	1	2.2uF	C2012X5R1H225K125AB	TDK	CAP, CERM, 2.2 µF, 50 V, +/- 10%, X5R, 0805	0805
6	C8	1	1uF	C3216X7R2A105M160AA	TDK	CAP, CERM, 1 µF, 100 V, +/- 20%, X7R, 1206	1206
7	C9	1	0.022uF	08051C223JAT2A	AVX	CAP, CERM, 0.022 µF, 100 V, +/- 5%, X7R, 0805	0805
8	C10	1	0.01uF	C1608X7R2A103K	TDK	CAP, CERM, 0.01 µF, 100 V, +/- 10%, X7R, 0603	0603
9	D1	1	80V	B280-13-F	Diodes Inc.	Diode, Schottky, 80 V, 2 A, SMB	SMB
10	D2	1	15V	BZT52C15T-7	Diodes Inc.	Diode, Zener, 15 V, 300 mW, SOD-523	SOD-523
11	D3	1	14V	SMBJ14A-13-F	Diodes Inc.	Diode, TVS, Uni, 14 V, 600 W, SMB	SMB
12	J1, J2	2		6091	Keystone	Standard Banana Jack, Insulated, Red	6091
13	J3, J4	2		6092	Keystone	Standard Banana Jack, Insulated, Black	6092
14	Q1, Q2	2		BUK768R3-60E,118	NXP Semiconductors	MOSFET N-CH 60V 75A D2PAK	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB
15	Q3	1	-60V	BSH201,215	NXP Semiconductor	MOSFET, P-CH, -60 V, -0.3 A, SOT-23	SOT-23
16	Q4	1	60V	2N7002ET1G	ON Semiconductor	MOSFET, N-CH, 60V, 0.26A, SOT-23	SOT-23
17	R1, R2, R7	3	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, 0603	0603
18	R3	1	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
19	R4	1	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100k ohm, 1%, 0.1W, 0603	0603
20	R5, R8	2	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
21	R6	1	15.4k	CRCW060315K4FKEA	Vishay-Dale	RES, 15.4 k, 1%, 0.1 W, 0603	0603
22	TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10	10	White	5012	Keystone	Test Point, Multipurpose, White, TH	White Multipurpose Testpoint
23	U1	1		LM74610	Texas Instruments		MSOP-8
24	U2	1		LM9061MX	Texas Instruments	Power MOSFET Driver with Lossless Protection, 8-pin Narrow SOIC	M08A
25	D4	0	60V	MBR0560-TP	Micro Commercial Components	Diode, Schottky, 60V, 3A, SOD-123	SOD-123
26	FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial

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