

Variant: 001
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PMP9144 REV C Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	IPCB1	1		PMP9144	Any	Printed Circuit Board	
2	C1	1	0.1uF	VJ1812Y104KXEAT5Z	Vishay-Vitramon	CAP, CERM, 0.1 μ F, 500 V, +/- 10%, X7R, 1812	1812
3	C2	1	15uF	EEUED2G150	Panasonic	CAP, AL, 15uF, 400V, +/-20%, 1.909859 ohm, TH	12.5x20
4	C3	1	47uF	EEUED2G470S	Panasonic	CAP, AL, 47uF, 400V, +/-20%, 0.609529 ohm, TH	18x20
5	C4	1	0.22uF	B32922C3224M	EPCOS Inc	CAP, Film, 0.22uF, 630V, +/-20%, TH	B32922_12.5mm
6	C5	1	10uF	STD	STD	CAP, CERM, 25V, +/-10%, X5R, 1206	1206
7	C6, C7	2	180uF	25SEPF180M	Panasonic	CAP ALUM 180UF 25V 20% RADIAL	RCAP_8x11.5mm
8	C8	1	1uF	STD	STD	CAP, CERM, 25V, +/-10%, X7R, 0805	0805
9	C9	1	2200pF	DE2E3KY222MA2BM01	MuRata	CAP, CERM, 2200pF, 250V, +/-20%, KY, Radial D8x5mm	Radial D8x5mm
10	C10	1	4.7uF	STD	STD	CAP, CERM, 25V, +/-10%, X7R, 0805	0805
11	C11	1	1000pF	STD	STD	CAP, CERM, 50V, +/-10%, X7R, 0603	0603
12	C100	1	4700pF	STD	STD	CAP, CERM, 50V, +/-10%, X7R, 0603	0603
13	D1	1	1.1V	DF1506S-T	Diodes Inc.	Diode, Switching-Bridge, 600V, 1.5A, DF-S	DF-S
14	D2	1	120V	SMCJ120A-TP	Micro Commercial Components	Diode, TVS, Uni, 120V, 1500W, SMC	SMC
15	D3	1	1.05V	MURA160T3G	ON Semiconductor	Diode, Ultrafast, 600V, 1A, SMA	SMA
16	D5	1	200V	BAS21-TP	Micro Commercial Components	Diode, P-N, 200V, 200A, SOT-23	SOT-23
17	D?	1	100V	VF40100C-E3/4W	Vishay-Semiconductor	Diode, Schottky, 100V, 20A, TH	TO-220AB
18	F1	1		37212000001	Littelfuse	Fuse, 2A, 250V, TH	TR5 fuse 8.5mm DIA
19	L1	1	33uH	CDRH6D28NP-330NC	Sumida	Inductor, Shielded Drum Core, Ferrite, 33uH, 0.97A, 0.165 ohm, SMD	CDRH6D28
20	L2	1	4000uH	744821240	Würth Elektronik eiSos	Coupled inductor, 4000uH, 1.5A, 0.14 ohm, +/-30%, TH	15 x 18 x 7.5mm
21	L100	1	50 ohm	HI1206T500R-10	Steward	6A Ferrite Bead, 50 ohm @ 100MHz, SMD	1206
22	Q1	1	650V	SPP07N60C3	Infineon Technologies	MOSFET, N-CH, 650V, 7.3A, TO-220AB	TO-220AB
23	R1	1	24	STD	STD	RES, 1%, 1W, 2512	2512
24	R2	1	20	STD	STD	RES, 1%, 0.1W, 0603	0603
25	R3	1	110k	STD	STD	RES, 1%, 0.1W, 0603	0603
26	R4, R101	2	1k	STD	STD	RES, 1%, 0.1W, 0603	0603
27	R5	1	24.3k	STD	STD	RES, 1%, 0.1W, 0603	0603
28	R6, R9, R12	3	0	STD	STD	RES, 1%, 0.1W, 0603	0603
29	R7	1	0.39	STD	STD	RES, 1%, 0.33W, 1210	1210
30	R8	1	10k	STD	STD	RES, 1%, 0.1W, 0603	0603
31	R11	1	100k	STD	STD	RES, 1%, 0.1W, 0603	0603
32	R13	1	21k	STD	STD	RES, 1%, 0.1W, 0603	0603
33	R100	1	30.1k	STD	STD	RES, 1%, 0.1W, 0603	0603
34	R102	1	4.99k	STD	STD	RES, 1%, 0.1W, 0603	0603
35	T1	1	300uH	TBD	GCI Technologies	Transformer, 300uH, TH	30.1x21.6x23.4mm
36	TP1, TP2	2	White	5012	Keystone	Test Point, Multipurpose, White, TH	White Multipurpose Testpoint
37	TP3	1	Red	5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
38	TP4	1	Black	5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
39	U1	1		UCC28740D	Texas Instruments	Constant-Voltage, Constant-Current Flyback Controller Using Opto-Coupler Feedback, D0007A	D0007A
40	U2	1		LTV-817	Lite-On	Opto-Isolator, 1 Channel, TH	DIP-4
41	U3	1		TL431AIDBZ	Texas Instruments	PRECISION PROGRAMMABLE REFERENCE, DBZ0003A	DBZ0003A

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