

Variant: 001
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PMP8780 REV C Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	IPCB	1		PMP8780	Any	Printed Circuit Board	
2	C1, C2	2	10uF	EEUED2G100	Panasonic	CAP, AL, 10 µF, 400 V, +/- 20%, 2.864788 ohm, TH	10x20
3	C3	1	470uF	16ZLJ470MTA8X11.5	Rubycon	CAP, AL, 470 µF, 16 V, +/- 20%, 0.075 ohm, TH	CAP, 8x11.5mm
4	C4	1	22uF	GRM32ER71E226KE15L	MuRata	CAP, CERM, 22 µF, 25 V, +/- 10%, X7R, 1210	1210
5	C5	1	2200pF	DE2E3KY222MA2BM01	MuRata	CAP, CERM, 2200 pF, 250 V, +/- 20%, E, Radial D8x5mm	Radial D8x5mm
6	C7	1	0.47uF	GRM21BR71H474KA88L	MuRata	CAP, CERM, 0.47 µF, 50 V, +/- 10%, X7R, 0805	0805
7	D1	1	600V	RH06-T	Diodes Inc.	Diode, Switching-Bridge, 600 V, 0.5 A, MiniDIP	MiniDIP
8	D2	1	120V	SMAJ120A	Littelfuse	Diode, TVS, Uni, 120 V, 400 W, SMA	SMA
9	D3	1	1000V	CGRM4007-G	Comchip Technology	Diode, P-N, 1000 V, 1 A, 3.9x1.7x1.8mm	3.9x1.7x1.8mm
10	D4	1	100V	B3100-13-F	Diodes Inc.	Diode, Schottky, 100 V, 3 A, SMC	SMC
11	D5	1	100V	1N4148W-TP	Micro Commercial Components	Diode, Switching, 100 V, 0.15 A, SOD-123	SOD-123
12	F1	1		RST 500	Bel Fuse	Fuse, 0.5 A, 250 V, TH	8.35x7.7x4mm
13	L1	1	10mH	744821110	Würth Elektronik	Coupled inductor, 10 mH, 0.7 A, 0.35 ohm, +/- 30%, TH	15 x 18 x 7.5mm
14	Q1	1	600V	AOD2N60	AOS	MOSFET, N-CH, 600 V, 2 A, DPAK	DPAK
15	R3, R5	2	5.1Meg	CRCW12065M10JNEA	Vishay-Dale	RES, 5.1 M, 5%, 0.25 W, 1206	1206
16	R4	1	100	CRCW1206100RJNEA	Vishay-Dale	RES, 100, 5%, 0.25 W, 1206	1206
17	R6	1	0	CRCW04020000Z0ED	Vishay-Dale	RES, 0, 5%, 0.063 W, 0402	0402
18	R7	1	82.5k	CRCW040282K5FKED	Vishay-Dale	RES, 82.5 k, 1%, 0.063 W, 0402	0402
19	R8	1	23.7k	CRCW040223K7FKED	Vishay-Dale	RES, 23.7 k, 1%, 0.063 W, 0402	0402
20	R9	1	1.00k	CRCW04021K00FKED	Vishay-Dale	RES, 1.00 k, 1%, 0.063 W, 0402	0402
21	R11	1	1.10	RC0805FR-071R1L	Yageo America	RES, 1.10, 1%, 0.125 W, 0805	0805
22	R13	1	7.50k	CRCW04027K50FKED	Vishay-Dale	RES, 7.50 k, 1%, 0.063 W, 0402	0402
23	T1	1	700uH	RLTI-1080	Renco Electronics	Transformer, 700uH, TH	760x580x675mil
24	TP1	1	White	5012	Keystone	Test Point, Multipurpose, White, TH	White Multipurpose Testpoint
25	TP2, TP4	2	Black	5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
26	TP3	1	Red	5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
27	U1	1		UCC28700DBVR	Texas Instruments	Constant-Voltage, Constant-Current Controller With Primary-Side Regulation, DBV0006A	DBV0006A
28	C6	0	1000pF	GRM1885C2A102JA01D	MuRata	CAP, CERM, 1000 pF, 100 V, +/- 5%, C0G/NP0, 0603	0603
29	R10	0	100	CRCW0603100RFKEA	Vishay-Dale	RES, 100, 1%, 0.1 W, 0603	0603
30	R12	0	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, 0402	0402

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