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PMP20809 REV A Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	C1	1	82uF	LLS2G820MELZ	Nichicon	CAP, AL, 82 µF, 400 V, +/- 20%, TH	D22xL27mm
2	C2	1	330pF	GRM31A5C2J331JW01D	MuRata	CAP, CERM, 330 pF, 630 V, +/- 5%, C0G/NP0, 1206	1206
3	C3	1	0.1uF	890324025017	Wurth Elektronik	CAP, Film, 0.1 µF, 275 V, +/- 10%, TH	18x6mm
4	C4, C5	2	220uF	EKZE350ELL221MJC5S	Chemi-Con	CAP, AL, 220 µF, 35 V, +/- 20%, TH	TH, 2-Leads, Body 10x12.5mm, Pin Spacing 5mm
5	C6	1	6.8uF	C2012X5R1V685K125AC	TDK	CAP, CERM, 6.8 µF, 35 V, +/- 10%, X5R, 0805	0805
6	C7	1	0.1uF	C1608X5R1H104K080AA	TDK	CAP, CERM, 0.1 µF, 50 V, +/- 10%, X5R, 0603	0603
7	C8	1	1500pF	DE2E3KY152MN3AM02F	MuRata	CAP, CERM, 1500 pF, V, +/- 20%, E, TH, 2- Leads, Body 7x5mm, Pin Spacing 7.5mm	TH, 2- Leads, Body 7x5mm, Pin Spacing 7.5mm
8	C9	1	1uF	GRM188R61H105KAALD	MuRata	CAP, CERM, 1 µF, 50 V, +/- 10%, X5R, 0603	0603
9	C10	1	0.22uF	GRM155R71C224KA12D	MuRata	CAP, CERM, 0.22 µF, 16 V, +/- 10%, X7R, 0402	0402
10	C11	1	1uF	GRM155R61E105KA12D	MuRata	CAP, CERM, 1 µF, 25 V, +/- 10%, X5R, 0402	0402
11	C12, C13	2	100pF	GRM1555C1H101JA01D	MuRata	CAP, CERM, 100 pF, 50 V, +/- 5%, C0G/NP0, 0402	0402
12	C14	1	0.01uF	GRM155R71H103KA88D	MuRata	CAP, CERM, 0.01 µF, 50 V, +/- 10%, X7R, 0402	0402
13	Cx1	1	47uF	EEU-FC1V470	Panasonic	CAP, AL, 47 µF, 35 V, +/- 20%, AEC-Q200 Grade 2, TH	D6.3xL11.2mm
14	D1	1	600V	Z4DGP406L-HF	Comchip Technology	Diode, P-N-Bridge, 600 V, 4 A, Z4-D	Z4-D
15	D2	1	150V	SMCJ150A-TP	Micro Commercial Components	Diode, TVS, Uni, 150 V, 243 Vc, SMC	SMC
16	D3	1	200V	MBRB20200CTT4G	ON Semiconductor	Diode, Schottky, 200 V, 20 A, DDPAK	DDPAK
17	D4	1	600V	MURA160T3G	ON Semiconductor	Diode, Ultrafast, 600 V, 1 A, AEC-Q101, SMA	SMA
18	D5	1	200V	DFLS1200-7	Diodes Inc.	Diode, Schottky, 200 V, 1 A, PowerDI123	PowerDI123
19	F1	1		0443003.DR	Littelfuse	Fuse, 3 A, 250VAC/VDC, SMD	FUSE 10.1x3.12x3.13mm
20	L1	1	1mH	744821201	Wurth Elektronik	Coupled inductor, 1 mH, 2 A, 0.045 ohm, TH	15 x 18 x 7.5mm
21	L2	1	1uH	B82462G4102M	TDK	Inductor, Shielded Drum Core, Ferrite, 1 µH, 3.4 A, 0.016 ohm, AEC-Q200 Grade 0, SMD	6.3x3.0x6.3mm
22	Q1	1	600V	AOD4S60	AOS	MOSFET, N-CH, 600 V, 4 A, DPAK	DPAK
23	R1	1	20.0	CRCW120620R0FKEA	Vishay-Dale	RES, 20.0, 1%, 0.25 W, 1206	1206
24	R2	1	2.00	CRCW12062R00FKEA	Vishay-Dale	RES, 2.00, 1%, 0.25 W, 1206	1206
25	R3, R4	2	200k	CRCW2010200KJNEF	Vishay-Dale	RES, 200 k, 5%, 0.75 W, AEC-Q200 Grade 0, 2010	2010
26	R5	1	0	CRCW04020000Z0ED	Vishay-Dale	RES, 0, 5%, 0.063 W, 0402	0402
27	R6	1	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
28	R7	1	1.0k	CRCW04021K00JNED	Vishay-Dale	RES, 1.0 k, 5%, 0.063 W, 0402	0402
29	R8	1	22.1k	CRCW040222K1FKED	Vishay-Dale	RES, 22.1 k, 1%, 0.063 W, 0402	0402
30	R9	1	0.25	CSR1206FKR250	Stackpole Electronics Inc	RES, 0.25, 1%, 0.5 W, 1206	1206
31	R10	1	2.49k	CRCW04022K49FKED	Vishay-Dale	RES, 2.49 k, 1%, 0.063 W, 0402	0402
32	R11	1	162k	CRCW0402162KFKED	Vishay-Dale	RES, 162 k, 1%, 0.063 W, 0402	0402
33	R12	1	1.0k	CRCW06031K00JNEA	Vishay-Dale	RES, 1.0 k, 5%, 0.1 W, 0603	0603
34	R13	1	18.7k	CRCW040218K7FKED	Vishay-Dale	RES, 18.7 k, 1%, 0.063 W, 0402	0402
35	T1	1	200uH	RLTI-1228	Renco Electronics	Transformer, 200 uH, TH	966x945mil
36	TP1, TP2	2		5012	Keystone	Test Point, Multipurpose, White, TH	White Multipurpose Testpoint
37	TP3	1		5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
38	TP4	1		5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
39	U1	1		LM5021MM-2/NOPB	Texas Instruments	AC-DC Current Mode PWM Controller, 8-pin MSOP, Pb-Free	MUA08A
40	U2	1		VOS617A-7X001T	Vishay-Semiconductor	Optocoupler, 3.75 kV, 80-160% CTR, SMT	7x2.12x2.6mm
41	U3	1		TL431AIDBZR	Texas Instruments	Adjustable Precision Shunt Regulator, 34 ppm / degC, 100 mA, -40 to 85 degC, 3-pin SOT-23 (DBZ), Green (RoHS & no Sb/Br)	DBZ0003A

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