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PMP20815 REV B Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	C1, C2	2	56uF	200BXF56M16X16	Rubycon	CAP, AL, 56 µF, 200 V, +/- 20%, TH	D16xL16mm
2	C4	1	0.1uF	890324025017	Würth Elektronik	CAP, Film, 0.1 µF, 275 V, +/- 10%, TH	18x6mm
3	C5	1	330uF	EEU-FM1V331L	Panasonic	CAP, AL, 330 µF, 35 V, +/- 20%, 0.03 ohm, TH	8.0x20mm
4	C6	1	0.1uF	GRM319R71H104KA01D	MuRata	CAP, CERM, 0.1 µF, 50 V, +/- 10%, X7R, 1206	1206
5	C7	1	10pF	GRM1555C1H100JA01D	MuRata	CAP, CERM, 10 pF, 50 V, +/- 5%, COG/NP0, 0402	0402
6	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
7	C9, C10	2	22uF	GRM32ER71E226KE15L	MuRata	CAP, CERM, 22 µF, 25 V, +/- 10%, X7R, 1210	1210
8	C11	1	100pF	GRM1555C1H101JA01D	MuRata	CAP, CERM, 100 pF, 50 V, +/- 5%, COG/NP0, 0402	0402
9	C12	1	0.022uF	GRM155R71H223KA12D	MuRata	CAP, CERM, 0.022 µF, 50 V, +/- 10%, X7R, 0402	0402
10	C14	1	0.01uF	GRM155R71H103KA88D	MuRata	CAP, CERM, 0.01 µF, 50 V, +/- 10%, X7R, 0402	0402
11	D1	1	600V	Z4DGP406L-HF	Comchip Technology	Diode, P-N-Bridge, 600 V, 4 A, Z4-D	Z4-D
12	D2	1	200V	SMCJ200A	Littelfuse	Diode, TVS, Uni, 200 V, 324 Vc, SMC	SMC
13	D3	1	600V	MURA160T3G	ON Semiconductor	Diode, Ultrafast, 600 V, 1 A, AEC-Q101, SMA	SMA
14	D4	1	100V	V8P10-M3/86A	Vishay-Semiconductor	Diode, Schottky, 100 V, 8 A, TO-277A	TO-277A
15	D5	1	100V	MMDL914-TP	Micro Commercial Components	Diode, Switching, 100 V, 0.2 A, SOD-323	SOD-323
16	D6	1	15V	MMSZ4702T1G	ON Semiconductor	Diode, Zener, 15 V, 500 mW, SOD-123	SOD-123
17	F1	1		0443003.DR	Littelfuse	Fuse, 3 A, 250VAC/VDC, SMD	FUSE 10.1x3.12x3.13mm
18	L1	1	22uH	RFB0807-220L	Coilcraft	Inductor, Ferrite, 22 µH, 1.9 A, 0.1 ohm, AEC-Q200 Grade 3, SMD	TH, 2-Leads, Dia 8.8mm, Pin Spacing 5mm
19	L2	1	1mH	744821201	Würth Elektronik	Coupled inductor, 1 mH, 2 A, 0.045 ohm, TH	15 x 18 x 7.5mm
20	Q1	1	600V	IPD60R385CPATMA1	Infineon Technologies	MOSFET, N-CH, 600 V, 9 A, DDPACK	DDPAK
21	R3	1	100k	CRCW1206100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.25 W, 1206	1206
22	R5	1	20	CRCW060320R0JNEA	Vishay-Dale	RES, 20, 5%, 0.1 W, 0603	0603
23	R6	1	10k	CRCW040210K0JNED	Vishay-Dale	RES, 10 k, 5%, 0.063 W, 0402	0402
24	R7	1	2.0k	CRCW04022K00JNED	Vishay-Dale	RES, 2.0 k, 5%, 0.063 W, 0402	0402
25	R8, R12	2	0	CRCW04020000Z0ED	Vishay-Dale	RES, 0, 5%, 0.063 W, 0402	0402
26	R9	1	499	CRCW0402499RFKED	Vishay-Dale	RES, 499, 1%, 0.063 W, 0402	0402
27	R10, R11	2	0.2	CSR1206FKR200	Stackpole Electronics Inc	RES, 0.2, 1%, 0.5 W, 1206	1206
28	R13	1	4.99k	CRCW04024K99FKED	Vishay-Dale	RES, 4.99 k, 1%, 0.063 W, 0402	0402
29	R14	1	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, 0603	0603
30	R15	1	162k	CRCW0402162KFKEA	Vishay-Dale	RES, 162 k, 1%, 0.063 W, 0402	0402
31	R16	1	18.7k	CRCW040218K7FKED	Vishay-Dale	RES, 18.7 k, 1%, 0.063 W, 0402	0402
32	T1	1	110uH	RLT1-1230	Renco Electronics	Transformer, 110 uH, TH	16.51x18.542mm
33	TP1, TP3	2		5012	Keystone	Test Point, Multipurpose, White, TH	White Multipurpose Testpoint
34	TP2	1		5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
35	TP4	1		5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
36	U1	1		LM5023MMX-2/NOPB	Texas Instruments	AC-DC Quasi-Resonant Current Mode PWM Controller, DGK0008A (VSSOP-8)	DGK0008A
37	U2	1		VOS617A-7X001T	Vishay-Semiconductor	Optocoupler, 3.75 kV, 80-160% CTR, SMT	7x2.12x2.6mm
38	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
39	C3	0	100pF	GRM1885C2A101JA01D	MuRata	CAP, CERM, 100 pF, 100 V, +/- 5%, COG/NP0, 0603	0603
40	C13	0	100pF	GRM1555C1H101JA01D	MuRata	CAP, CERM, 100 pF, 50 V, +/- 5%, COG/NP0, 0402	0402
41	C15	0	10uF	C2012XR1V106K085AC	TDK	CAP, CERM, 10 µF, 35 V, +/- 10%, X5R, 0805	0805
42	D7	0	30V	BAT54ST-7-F	Diodes Inc.	Diode, Schottky, 30 V, 0.2 A, SOT-523	SOT-523
43	R1, R4	0	0	CRCW12060000Z0EA	Vishay-Dale	RES, 0, 5%, 0.25 W, 1206	1206
44	R2	0	10.0	ERJ-8ENF10R0V	Panasonic	RES, 10.0, 1%, 0.25 W, 1206	1206
45	R17	0	100k	CRCW0402100KJNED	Vishay-Dale	RES, 100 k, 5%, 0.063 W, 0402	0402
46	R18	0	10k	CRCW120610K0JNEA	Vishay-Dale	RES, 10 k, 5%, 0.25 W, 1206	1206

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