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PMP20686 REV B Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	C1	1	150uF	ESMQ451VSN151MQ25S	Chemi-Con	CAP, AL, 150 µF, 450 V, +/- 20%, TH	25.4x25mm
2	C2	1	47uF	EEU-FC2A470	Panasonic	CAP, AL, 47 µF, 100 V, +/- 20%, 0.24 ohm, AEC-Q200 Grade 2, TH	D10xL20mm
3	C3	1	1uF	CGA5L2X7R2A105K160AA	TDK	CAP, CERM, 1 µF, 100 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1206	1206
4	C4	1	0.22uF	ECQ-U2A224ML	Panasonic	CAP, Film, 0.22 µF, 275 V, +/- 20%, TH	17.5x8x17.5mm
5	C5	1	10uF	GRM21BR6YA106KE43L	MuRata	CAP, CERM, 10 µF, 35 V, +/- 10%, X5R, 0805	0805
6	C6	1	0.1uF	ECQ-E4104JF	Panasonic	CAP, Film, 0.1 µF, 400 V, +/- 5%, TH	12x6.3mm
7	C7	1	0.1uF	GRM155R61H104ME14D	MuRata	CAP, CERM, 0.1 µF, 50 V, +/- 20%, X5R, 0402	0402
8	C8	1	0.022uF	GRM155R61C223KA01D	MuRata	CAP, CERM, 0.022 µF, 16 V, +/- 10%, X5R, 0402	0402
9	C9	1	150uF	EEU-FR1E151B	Panasonic	CAP, AL, 150 µF, 25 V, +/- 20%, TH	D6.3xL11.2mm
10	D1	1	600V	Z4DGP406L-HF	Comchip Technology	Diode, P-N-Bridge, 600 V, 4 A, Z4-D	Z4-D
11	D2	1	600V	MURS360T3G	ON Semiconductor	Diode, Ultrafast, 600 V, 3 A, SMC	SMC
12	D3	1	100V	MMSD4148T1G	ON Semiconductor	Diode, Switching, 100 V, 0.2 A, SOD-123	SOD-123
13	D4	1	100V	MMDL914-TP	Micro Commercial Components	Diode, Switching, 100 V, 0.2 A, SOD-323	SOD-323
14	D5	1	100V	MURA110T3G	ON Semiconductor	Diode, Ultrafast, 100 V, 2 A, SMA	SMA
15	F1	1		0443003.DR	Littelfuse	Fuse, 3 A, 250VAC/VDC, SMD	FUSE 10.1x3.12x3.13mm
16	L1	1	330uH	MSS1278-334KLB	Coilcraft	Inductor, Shielded Drum Core, Ferrite, 330 µH, 1 A, 0.49 ohm, SMD	MSS1278
17	L2	1	680uH	744732681	Würth Elektronik	Inductor, SOD-123F, Ferrite, 680 µH, 0.42 A, 2.2 ohm, TH	D9.0xL8.0mm
18	Q2	1	650V	IPL60R299CP	Infineon Technologies	MOSFET, N-CH, 650 V, 11.1 A, PG-VSON-4	PG-VSON-4
19	R2, R3	2	0	CRCW04020000Z0ED	Vishay-Dale	RES, 0, 5%, 0.063 W, 0402	0402
20	R4	1	15.0k	CRCW040215K0FKED	Vishay-Dale	RES, 15.0 k, 1%, 0.063 W, 0402	0402
21	R5	1	1.15k	CRCW04021K15FKED	Vishay-Dale	RES, 1.15 k, 1%, 0.063 W, 0402	0402
22	R6	1	110k	CRCW0402110KFKED	Vishay-Dale	RES, 110 k, 1%, 0.063 W, 0402	0402
23	R7	1	7.68k	CRCW04027K68FKED	Vishay-Dale	RES, 7.68 k, 1%, 0.063 W, 0402	0402
24	R9, R10	2	0.56	ERJ-8RQFR56V	Panasonic	RES, 0.56, 1%, 0.25 W, 1206	1206
25	R11	1	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, 0402	0402
26	T1	1	180uH	RLTI-1213	Renco Electronics	Coupled inductor, 180 µH, A, 0.13 ohm, TH	18.288x17.018mm
27	TP1, TP2	2	White	5012	Keystone	Test Point, Multipurpose, White, TH	White Multipurpose Testpoint
28	TP3	1		5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
29	TP4	1		5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
30	TP5	1	Red	5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
31	TP6	1	Black	5001	Keystone	Test Point, TH, Miniature, Black	Keystone5001
32	U1	1		UCC28730DR	Texas Instruments	Constant-Voltage Constant-Current Flyback Controller With PSR and Wake-Up Monitoring, D0007A (SOIC-7)	D0007A
33	U2	1		UCC28880D	Texas Instruments	Low Quiescent Current Switcher IC for AC/DC Power Supplies, D0007A	D0007A
34	R1	0	69.8k	CRCW060369K8FKEA	Vishay-Dale	RES, 69.8 k, 1%, 0.1 W, 0603	0603
35	R8	0	115k	CRCW0402115KFKED	Vishay-Dale	RES, 115 k, 1%, 0.063 W, 0402	0402
36	R12	0	2.00k	CRCW06032K00FKEA	Vishay-Dale	RES, 2.00 k, 1%, 0.1 W, 0603	0603

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