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PMP20545 REV A Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	C1, C3	2	47uF	EEU-EE2G470S	Panasonic	CAP, AL, 47 uF, 400 V, +/- 20%, TH	18x20mm
2	C2	1	0.1uF	VJ1812Y104KXEAT5Z	Vishay-Vitramon	CAP, CERM, 0.1 uF, 500 V, +/- 10%, X7R, 1812	1812
3	C4	1	0.22uF	890324024002	Würth Elektronik	CAP, Film, 0.22 uF, 275 V, +/- 10%, TH	15x7mm
4	C5	1	330uF	100YXJ330MGC16X25	Rubycon	CAP, AL, 330 uF, 100 V, +/- 20%, 0.044 ohm, TH	D16xL25mm
5	C6	1	1uF	GRM31CR72A105KA01L	MuRata	CAP, CERM, 1 uF, 100 V, +/- 10%, X7R, 1206	1206
6	C7	1	330uF	EEU-FR1E331B	Panasonic	CAP, AL, 330 uF, 25 V, +/- 20%, TH	D8xL13
7	C8	1	1uF	GRM319R61E105KC36D	MuRata	CAP, CERM, 1 uF, 25 V, +/- 10%, X5R, 1206	1206
8	C11	1	10uF	GRM21BR6YA106KE43L	MuRata	CAP, CERM, 10 uF, 35 V, +/- 10%, X5R, 0805	0805
9	D1	1	600V	Z4DGP406L-HF	Comchip Technology	Diode, P-N-Bridge, 600 V, 4 A, Z4-D	Z4-D
10	D2	1	160V	SMCJ160A-TP	Micro Commercial Components	Diode, TVS, Uni, 160 V, 259 Vc, SMC	SMC
11	D3	1	1.05V	MURA160T3G	ON Semiconductor	Diode, Ultrafast, 600V, 1A, SMA	SMA
12	D4	1	400V	MURS340T3G	ON Semiconductor	Diode, Ultrafast, 400 V, 3 A, SMC	SMC
13	D5	1	70V	B170-13-F	Diodes Inc.	Diode, Schottky, 70 V, 1 A, SMA	SMA
14	D6	1	70V	BAS70-7-F	Diodes Inc.	Diode, Schottky, 70 V, 0.07 A, SOT-23	SOT-23
15	F1	1		0443003.DR	Littelfuse	Fuse, 3 A, 250VAC/VDC, SMD	FUSE 10.1x3.12x3.13mm
16	L1	1	33uH	DR73-330-R	Coiltronics	Inductor, Shielded Drum Core, Ferrite, 33 uH, 1.31 A, 0.166 ohm, SMD	DR73
17	L2	1	1mH	744821201	Würth Elektronik	Coupled inductor, 1 mH, 2 A, 0.045 ohm, TH	15 x 18 x 7.5mm
18	Q2	1	650V	IPL60R299CP	Infineon Technologies	MOSFET, N-CH, 650 V, 11.1 A, PG-VSON-4	PG-VSON-4
19	R1	1	1.0Meg	CRCW04021M00JNED	Vishay-Dale	RES, 1.0 M, 5%, 0.063 W, 0402	0402
20	R3	1	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
21	R5	1	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, 0603	0603
22	R8	1	301k	CRCW0402301KFKED	Vishay-Dale	RES, 301 k, 1%, 0.063 W, 0402	0402
23	R10	1	0.47	ERJ-8RQFR47V	Panasonic	RES, 0.47, 1%, 0.25 W, 1206	1206
24	R11	1	0.62	CSR1206FTR620	Stackpole Electronics Inc	RES, 0.62, 1%, 0.5 W, 1206	1206
25	R12	1	15.8k	CRCW040215K8FKED	Vishay-Dale	RES, 15.8 k, 1%, 0.063 W, 0402	0402
26	R14, R15	2	1.0Meg	CRCW12061M00JNEA	Vishay-Dale	RES, 1.0 M, 5%, 0.25 W, 1206	1206
27	R16	1	69.8k	CRCW060369K8FKEA	Vishay-Dale	RES, 69.8 k, 1%, 0.1 W, 0603	0603
28	T1	1	250uH	RLTI-1207	Renco Electronics	Transformer, Flyback, 250 uH, TH	966x945mil
29	TP1, TP2	2	White	5012	Keystone	Test Point, Multipurpose, White, TH	White Multipurpose Testpoint
30	TP3, TP5	2	Red	5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
31	TP4, TP6	2	Black	5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
32	U1	1		UCC28704DBVR-1	Texas Instruments	CV/CC Flyback Controller with Primary-Side Regulation (PSR) and CC Under-Voltage Protection, DBV0006A	DBV0006A
33	C9	0	0.33uF	GRM21BR71E334KA01L	MuRata	CAP, CERM, 0.33 uF, 25 V, +/- 10%, X7R, 0805	0805
34	C10	0	1000pF	GRM155R61H102KA01D	MuRata	CAP, CERM, 1000 pF, 50 V, +/- 10%, X5R, 0402	0402
35	Q1	0	600V	BSS126 H6906	Infineon Technologies	MOSFET, N-CH, 600 V, 0.021 A, AEC-Q101, SOT-23	SOT-23
36	Q3	0	40 V	MMBT3904-7-F	Diodes Inc.	Transistor, NPN, 40 V, 0.2 A, SOT-23	SOT-23
37	R2, R4, R6	0	120k	CRCW1206120KJNEA	Vishay-Dale	RES, 120 k, 5%, 0.25 W, 1206	1206
38	R7, R9	0	2.0Meg	CRCW04022M00JNED	Vishay-Dale	RES, 2.0 M, 5%, 0.063 W, 0402	0402
39	R13	0	100k	CRCW0402100KDHEDP	Vishay-Dale	RES, 100 k, 0.5%, 0.063 W, 0402	0402
40	R17	0	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
41	RT1	0	100k ohm	NTCG164KF104F	TDK	Thermistor NTC, 100k ohm, 1%, 0603	0603

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