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PMP22006 REV A Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	PCB1	1		PMP22006	Any	Printed Circuit Board	
2	C1	1	47uF	UCS2D470MHD	Nichicon	CAP, AL, 47 uF, 200 V, +/- 20%, TH	D12.5xL20mm
3	C2	1	1000pF	GRM31A7U2J102JW31D	MuRata	CAP, CERM, 1000 pF, 630 V,+/- 5%, U2J, 1206	1206
4	C3	1	0.22uF	B32529D3224J	TDK	CAP, Film, 0.22 uF, 250 V, +/- 5%, TH	7.8x13x7.8
5	C4, C5	2	330uF	RS80J331MDNASQJT	Nichicon	CAP, Aluminum Polymer, 330 uF, 6.3 V,+/- 20%, 0.008 ohm, TH	6.3x8mm
6	C6	1	10uF	C1608X6S1A106M080AC	TDK	CAP, CERM, 10 uF, 10 V,+/- 10%, X6S, 0603	0603
7	C7	1	10pF	VJ1206A100JXGAT5Z	Vishay-Vitramon	CAP, CERM, 10 pF, 1000 V,+/- 5%, C0G/NP0, 1206	1206
8	C8	1	33uF	35YXH33MEFC5X11	Rubycon	CAP, AL, 33 uF, 35 V, +/- 20%, TH	D5xL11mm
9	C9	1	4700pF	C1005X7R1H472K050BA	TDK	CAP, CERM, 4700 pF, 50 V,+/- 10%, X7R, 0402	0402
10	C10	1	1uF	GRM155R60J105KE19D	MuRata	CAP, CERM, 1 uF, 6.3 V, +/- 10%, X5R, 0402	0402
11	C11	1	2.2uF	GRM188R61C225KAAD	MuRata	CAP, CERM, 2.2 uF, 16 V,+/- 10%, X5R, 0603	0603
12	C12, C16	2	0.047uF	GRM155R71E473KA88D	MuRata	CAP, CERM, 0.047 uF, 25 V, +/- 10%, X7R, 0402	0402
13	C13, C17	2	100pF	GRM1555C1H101JA01D	MuRata	CAP, CERM, 100 pF, 50 V,+/- 5%, C0G/NP0, 0402	0402
14	C14	1	2200pF	CD45-E2GA222M-NKA	TDK	CAP, CERM, 2200 pF, V, +/- 20%, E, D9xT6mm	D9xT6mm
15	C15	1	1uF	GRM188R61E105KA12D	MuRata	CAP, CERM, 1 uF, 25 V, +/- 10%, X5R, 0603	0603
16	D1	1	600V	CD-MBL206SL	Bourns	Diode, P-N-Bridge, 600 V, 2 A, 5.8x5.3mm	5.8x5.3mm
17	D2	1	600V	ES1JTR	SMC Diode Solutions	Diode, Superfast Rectifier, 600 V, 1 A, SMA	SMA
18	D4	1	200V	BAV21W-7-F	Diodes Inc.	Diode, Switching, 200 V, 0.2 A, SOD-123	SOD-123
19	D5	1	100V	MMDL914-TP	Micro Commercial Components	Diode, Switching, 100 V, 0.2 A, SOD-323	SOD-323
20	F1	1		SSQ 2 /5K	Bel Fuse Inc.	Fuse, 2 A, 125VAC/VDC, SMD	6125FA
21	L1	1	100uH	SRN6045-101M	Bourns	FIXED IND 100UH 700MA 494 MOHM	Inductor, 6x4.5x6mm
22	L2	1	1mH	744821201	Würth Elektronik	Coupled inductor, 1 mH, 2 A, 0.045 ohm, TH	15 x 18 x 7.5mm
23	Q3	1	40V	CSD18503Q5A	Texas Instruments	MOSFET, N-CH, 40 V, 100 A, DQJ0008A (VSONP-8)	DQJ0008A
24	Q4	1	650V	IPD65R650CEAUMA1	Infineon Technologies	MOSFET, N-CH, 650 V, 10.1 A, DPAK	DPK
25	R2	1	200k	ERJ-14NF2003U	Panasonic	RES, 200 k, 1%, 0.5 W, 1210	1210
26	R3	1	499k	CRCW1206499KFKEA	Vishay-Dale	RES, 499 k, 1%, 0.25 W, 1206	1206
27	R5	1	261	CRCW2010261RFKEF	Vishay-Dale	RES, 261, 1%, 0.75 W, AEC-Q200 Grade 0, 2010	2010
28	R9, R17	2	0	CRCW04020000Z0ED	Vishay-Dale	RES, 0, 5%, 0.063 W, 0402	0402
29	R10	1	3.90	ERJ-8RQF3R9V	Panasonic	RES, 3.90, 1%, 0.25 W, 1206	1206
30	R11, R12	2	100	CRCW0402100RFKED	Vishay-Dale	RES, 100, 1%, 0.063 W, 0402	0402
31	R13	1	51.1k	CRCW040251K1FKED	Vishay-Dale	RES, 51.1 k, 1%, 0.063 W, 0402	0402
32	R14	1	0.25	CSR1206FKR250	Stackpole Electronics Inc	RES, 0.25, 1%, 0.5 W, 1206	1206
33	R16	1	1.2k	CRCW04021K20JNED	Vishay-Dale	RES, 1.2 k, 5%, 0.063 W, 0402	0402
34	R18	1	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, 0603	0603
35	R19	1	21.5k	CRCW040221K5FKED	Vishay-Dale	RES, 21.5 k, 1%, 0.063 W, 0402	0402
36	R20	1	7.15k	CRCW04027K15FKED	Vishay-Dale	RES, 7.15 k, 1%, 0.063 W, 0402	0402
37	T1	1	400uH	RLTI-1250	Renco Electronics	Transformer, 400 uH, TH OLD build serial Number: S52882NEW: S56188	870x840mil
38	TP1, TP3	2		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
39	TP2, TP4	2		5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
40	U1	1		UCC24612-1DBVT	Texas Instruments	UCC24612-1DBV, DBV0005A (SOT-23-5)	DBV0005A
41	U2	1		LM5021MMX-1	Texas Instruments	AC-DC Current Mode PWM Controller, 8-pin MSOP	MUA08A
42	U3	1		LTV-817A	Lite-On	Optocoupler, 5 kV, 50-600% CTR, SMT	DIP-4 SMT
43	U4	1		TLV431ACDBZR	Texas Instruments	Low Voltage Adjustable Precision Shunt Regulator, 39 ppm / degC, 15 mA, 0 to 70 degC, 3-pin SOT-23 (DBZ), Green (RoHS & no Sb/Br)	DBZ0003A
44	R1, R4	0	0	CRCW12060000Z0EA	Vishay-Dale	RES, 0, 5%, 0.25 W, 1206	1206
45	R15	0	1.0Meg	CRCW04021M00JNED	Vishay-Dale	RES, 1.0 M, 5%, 0.063 W, 0402	0402

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