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PMP41184 REV A Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	C1	1	10uF	GRM188R6YA106MA73	Nichicon	CAP, CERM, 10 uF, 35 V, +/- 20%, X5R, 0603	0603
2	C2, C4, C6, C7	4	10uF	TMK212BBJ106KG-T	Taiyo Yuden	CAP, CERM, 10 uF, 25 V, +/- 10%, X5R, 0805	0805
3	C3	1	1000pF	GRM31BR72J102KW01L	MuRata	CAP, CERM, 1000 pF, 630 V, +/- 10%, X7R, 1206	1206
4	C5	1	2.2uF	GRM188R6YA225KA12D	MuRata	CAP, CERM, 2.2 uF, 35 V, +/- 10%, X5R, 0603	0603
5	C11, C19, C22	3	0.1uF	C3216X7T2W104M160AA	TDK	CAP, CERM, 0.1 uF, 450 V, +/- 20%, X7T, 1206	1206
6	C15	1	10uF	GRM188R61E106KA73D	MuRata	CAP, CERM, 10 uF, 25 V, +/- 10%, X5R, 0603	0603
7	C16	1	330pF	GRM155R71H331KA01D	MuRata	CAP, CERM, 330 pF, 50 V, +/- 10%, X7R, 0402	0402
8	C17	1	1uF	C1608X7R1E105K080AB	TDK	CAP, CERM, 1 uF, 25 V, +/- 10%, X7R, 0603	0603
9	C18	1	0.018uF	GRM155R71H183KA12D	MuRata	CAP, CERM, 0.018 uF, 50 V, +/- 10%, X7R, 0402	0402
10	C20	1	0.068uF	C1005X7R1H683K050BB	TDK	CAP, CERM, 0.068 uF, 50 V, +/- 10%, X7R, 0402	0402
11	C21	1	100pF	8.85012E+11	Würth Elektronik	CAP, CERM, 100 pF, 50 V, +/- 10%, X7R, 0402	0402
12	C31	1	1uF	CGA3E1X7R1E105K080AC	TDK	CAP, CERM, 1 uF, 25 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
13	C32	1	1uF	C1608X7R1E105K080AB	TDK	CAP, CERM, 1 uF, 25 V, +/- 10%, X7R, 0603	0603
14	D1	1	200V	ES2DA-13-F	Diodes Inc.	Diode, Superfast Rectifier, 200 V, 2 A, SMA	SMA
15	D2, D9	2	200V	BAV21W-7-F	Diodes Inc.	Diode, Switching, 200 V, 0.2 A, SOD-123	SOD-123
16	D3	1	1000V	MRA4007T3G	ON Semiconductor	Diode, Standard Recovery Rectifier, 1000 V, 1 A, AEC-Q101, SMA	SMA
17	EC6, EC7	2	470uF	NPXC1001E471MJTM	Yongming	25V/470uF D5.5*11mm	
18	Q1	1	150V	BSC093N15NS5ATMA1	Infineon Technologies	MOSFET, N-CH, 150 V, 87 A, PG-TDSON-8	PG-TDSON-8
19	R1	1	470k	CRCW0805470KJNEA	Vishay-Dale	RES, 470 k, 5%, 0.125 W, AEC-Q200 Grade 0, 0805	0805
20	R2	1	1	CRCW04021R00JNED	Vishay-Dale	RES, 1, 0, 5%, 0.063 W, 0402	0402
21	R3	1	30	RC1206FR-0730RL	Yageo America	RES, 30.0, 1%, 0.25 W, 1206	1206
22	R4	1	3.3	CRCW04023R30JNED	Vishay-Dale	RES, 3.3, 5%, 0.063 W, 0402	0402
23	R7	1	14.3k	CRCW040214K3FKED	Vishay-Dale	RES, 14.3 k, 1%, 0.063 W, 0402	0402
24	R8	1	36.5k	CRCW040236K5FKED	Vishay-Dale	RES, 36.5 k, 1%, 0.063 W, 0402	0402
25	R10	1	3.01k	CRCW04023K01FKED	Vishay-Dale	RES, 3.01 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
26	R11	1	38.8k	RT0603BRD0738K8L	Yageo America	RES, 38.8 k, 0.1%, 0.1 W, 0603	0603
27	R12	1	1.1	CRCW04021R10FKED	Vishay-Dale	RES, 1.10, 1%, 0.063 W, 0402	0402
28	R13	1	150	CRCW0402150RFKED	Vishay-Dale	RES, 150, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
29	R14	1	15.0k	CRCW040215K0FKED	Vishay-Dale	RES, 15.0 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
30	R15	1	4.70k	RC0402FR-074K7L	Yageo America	RES, 4.70 k, 1%, 0.0625 W, 0402	0402
31	R19	1	10.0k	TNPW060310K0BEEA	Vishay-Dale	RES, 10.0 k, 0.1%, 0.1 W, AEC-Q200 Grade 1, 0603	0603
32	R20	1	56.2k	RC0603FR-0756K2L	Yageo	RES, 56.2 k, 1%, 0.1 W, 0603	0603
33	R32	1	300	RC0603FR-07300RL	Yageo	RES, 300, 1%, 0.1 W, 0603	0603
34	R42	1	75.0k	CRCW040275K0FKED	Vishay-Dale	RES, 75.0 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
35	R43	1	5.23k	CRCW04025K23FKED	Vishay-Dale	RES, 5.23 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
36	RT1	1	100k	NCP15WF104F03RC	MuRata	Thermistor NTC, 100k ohm, 1%, 0402	0402
37	T1	1	EDI2721	EDI2721	AWK	Lm=210uH, Turns ratio=21:2:4:3	
38	U1	1		MP6908GJ-Z	Monolithic Power Systems	FAST TURN-OFF INTELLIGENT RECTIF	TSOT23-6
39	U2	1		ATL431AIDBZR	Texas Instruments	2.5V Low Iq Adjustable Precision Shunt Regulator, DBZ0003A (SOT-23-3)	DBZ0003A
40	U3	1		VOL618A-2T	Vishay-Semiconductor	Optocoupler, 5 kV, 63-125% CTR, SMT	8x2x4mm
41	U8	1		UCG28824	Texas Instruments	UCG28682	VQFN12
42	CY2	0	470pF	TMY1471K		470pF Y1 Cap	
43	T2, T3	0					

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