

Variant: 001  
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## PMP411145 REV E1 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	C1	1	330nF	MX2334KQ3B83YB2000R	DongGuan Chengxi	X2 Film Capacitor, THT, 330nF, 275V	10*14*6mm
2	C2	1	0.033uF	CGA2B3X7R1H333K050BB	TDK	CAP, CERM, 0.033 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	0402
3	C3	1	1000pF	GRM31BR72J102KW01L	MuRata	CAP, CERM, 1000 pF, 630 V, +/- 10%, X7R, 1206	1206
4	C4	1	10uF	TMK212BBJ106KG-T	Taiyo Yuden	CAP, CERM, 10 uF, 25 V, +/- 10%, X5R, 0805	0805
5	C6	1	100nF	CGA3E2X8R1E104K080AD	TDK Corporation	0.1uF ±10% 25V Ceramic Capacitor X8R 0603 (1608 Metric)	0603
6	C8, C9, C64	3	33uF	KCMD2002G330MF	Yongming	KCMD2002G330MF Aluminum Electrolytic Capacitor, Radial, THT, D8 x H20mm, 33uF, 400V	D8*20mm
7	C13	1	220pF	GRM1885C2A221JA01D	MuRata	CAP, CERM, 220 pF, 100 V, +/- 5%, C0G/NP0, 0603	0603
8	C14	1	1uF	CGA3E1X7R1E105K080AC	TDK	CAP, CERM, 1 uF, 25 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
9	C15	1	22uF	CL10A226MP8NUNE	Samsung Electro-Mechanics	CAP, CERM, 22 uF, 10 V, +/- 20%, X5R, 0603	0603
10	C16	1	330pF	GRM155R71H331KA01D	MuRata	CAP, CERM, 330 pF, 50 V, +/- 10%, X7R, 0402	0402
11	C17	1	1uF	C1608X7R1E105K080AB	TDK	CAP, CERM, 1 uF, 25 V, +/- 10%, X7R, 0603	0603
12	C19, C22	2	0.1uF	C3216X7T2W104M160AA	TDK	CAP, CERM, 0.1 uF, 450 V, +/- 20%, X7T, 1206	1206
13	C20	1	4700pF	GRM155R71H472KA01D	MuRata	CAP, CERM, 4700 pF, 50 V, +/- 10%, X7R, 0402	0402
14	C21	1	100pF	8.85012E+11	Würth Elektronik	CAP, CERM, 100 pF, 50 V, +/- 10%, X7R, 0402	0402
15	C24, C25	2		8.85352E+12	Würth Elektronik	WCAP-CSSA Multilayer Ceramic Chip Safety Capacitor, size 1808, X7R Class II, 1nF, 250VAC	
16	D1	1		Z4DGP406L-HF	Comchip	Bridge Rectifier Single Phase Standard 600 V Surface Mount Z4-D	SMT_8MM1_10MM5
17	D3	1	1000V	MRA4007T3G	ON Semiconductor	Diode, Standard Recovery Rectifier, 1000 V, 1 A, AEC-Q101, SMA	SMA
18	D4, D5	2	600V	ES1JFL	ON Semiconductor	Diode, Switching, 600 V, 1 A, SOD-123	SOD-123
19	EC6, EC7	2	470uF	NPXC1001E471MJTM	Yongming	25V/470uF D5.5*11mm	D5.5*11
20	F1	1		RSTA 3.15-BULK	Bel Fuse	Fuse, 3.15 A, 250 VAC, 63 VDC, TH	8.35x4mm
21	L1	1	33uH	RL0612-330K-HF	Huizhou Deli Electronics	Inductor, Unshielded Drum Core, 6*12mm, 33 uH, 2 A, TH RL0612-330K-HF	D6mm x 12mm
22	L2	1	22uH	TCB8X4X3-8R0MINX2-JS-HF	Huizhou Deli Electronics	8*5mm CM choke 22uH, 0.5 wire* 6T, TCB8X4X3-8R0MINX2-JS-HF	8mm*5mm
23	Q1	1	150V	ISC030N10NM6	Infineon Technologies	MOSFET, N-CH, 100 V, 3.3mR, PG-TDSON-8	PG-TDSON-8
24	R1	1	470k	CRCW0805470KJNEA	Vishay-Dale	RES, 470 k, 5%, 0.125 W, AEC-Q200 Grade 0, 0805	0805
25	R3, R17	2	30	RC1206FR-0730RL	Yageo America	RES, 30.0, 1%, 0.25 W, 1206	1206
26	R4	1	300	RC0603FR-07300RL	Yageo	RES, 300, 1%, 0.1 W, 0603	0603
27	R5	1	4.7k	CRCW12064K70JNEA	Vishay-Dale	RES, 4.7 k, 5%, 0.25 W, 1206	1206
28	R6	1	47.0k	CRCW060347K0FKEA	Vishay-Dale	RES, 47.0 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
29	R7, R8	2	28.7k	CRCW040228K7FKED	Vishay-Dale	RES, 28.7 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
30	R9, R12	2	0	CRCW04020000Z0EDHP	Vishay Dale	RES Thick Film, 0Ω, 0.2W, 0402	0402
31	R10	1	3.01k	CRCW04023K01FKED	Vishay-Dale	RES, 3.01 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
32	R11	1	105k	RT0603DRE07105KL	Yageo America	RES, 105 k, 0.5%, 0.1 W, 0603	0603
33	R14	1	15.0k	CRCW040215K0FKED	Vishay-Dale	RES, 15.0 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
34	R15	1	4.70k	RC0402FR-074K7L	Yageo America	RES, 4.70 k, 1%, 0.0625 W, 0402	0402
35	R16	1	1	CRCW04021R00JNED	Vishay-Dale	RES, 1.0, 5%, 0.063 W, 0402	0402
36	R18	1	1.2k	CRCW04021K20JNED	Vishay-Dale	RES, 1.2 k, 5%, 0.063 W, 0402	0402
37	R19	1	75.0k	RT0603DRE0775KL	Yageo America	RES, 75.0 k, 0.5%, 0.1 W, 0603	0603
38	R21	1	0	CRCW02010000Z0ED	Vishay-Dale	RES, 0, 5%, 0.05 W, 0201	0201
39	R42	1	11.5k	CRCW040211K5FKED	Vishay-Dale	RES, 11.5 k, 1%, 0.063 W, 0402	0402
40	R43	1	25.5k	CRCW040225K5FKED	Vishay-Dale	RES, 25.5 k, 1%, 0.063 W, 0402	0402
41	R50	1	12	CRCW060312R0JNEA	Vishay-Dale	RES, 12, 5%, 0.1 W, 0603	0603
42	T1	1		ATQ23-14	Fort Electronics	ATQ23_14 4.4 Pin	23*14*18mm
43	U1	1		MP6908GJ-Z	Monolithic Power Systems	FAST TURN-OFF INTELLIGENT RECTIF	TSOT23-6
44	U2	1		ATL431AIDBZR	Texas Instruments	2.5V Low Iq Adjustable Precision Shunt Regulator, DBZ0003A (SOT-23-3)	DBZ0003A
45	U3	1		VOL618A-2T	Vishay-Semiconductor	Optocoupler, 5 kV, 63-125% CTR, SMT	8x2x4mm
46	U8	1		UCG28826	Texas Instruments	UCG28826	VQFN12
47	C222	0	100pF	8.85012E+11	Würth Elektronik	CAP, CERM, 100 pF, 50 V, +/- 10%, X7R, 0402	0402
48	R2	0	0	CRCW04020000Z0EDHP	Vishay Dale	RES Thick Film, 0Ω, 0.2W, 0402	0402
49	RT1	0	100k	NCP15WF104F03RC	MuRata	Thermistor NTC, 100k ohm, 1%, 0402	0402

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