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PMP20550 REV A Bill of Materials



Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	C1	1	220uF	EEE-FC1V221P	Panasonic	CAP, AL, 220 µF, 35 V, +/- 20%, 0.15 ohm, SMD	SMT Radial G
2	C2	1	10uF	GMK316AB7106KL	Taiyo Yuden	CAP, CERM, 10 µF, 35 V, +/- 10%, X7R, 1206	1206
3	C3, C6, C15	3	0.1uF	C1608X7R1E104K080AA	TDK	CAP, CERM, 0.1 µF, 25 V, +/- 10%, X7R, 0603	0603
4	C4	1	100pF	CGA3E2NP01H101J080AA	TDK	CAP, CERM, 100 pF, 50 V, +/- 5%, C0G/NP0, AEC-Q200 Grade 0, 0603	0603
5	C5	1	1uF	UMK107AB7105KA-T	Taiyo Yuden	CAP, CERM, 1 µF, 50 V, +/- 10%, X7R, 0603	0603
6	C7	1	10uF	GRM21BR6YA106KE43L	MuRata	CAP, CERM, 10 µF, 35 V, +/- 10%, X5R, 0805	0805
7	C9, C10	2	22uF	GRM21BZ71A226ME15L	MuRata	CAP, CERM, 22 µF, 10 V, +/- 20%, X7R, 0805	0805
8	C11, C17	2	0.1uF	C0603X104K8RACTU	Kemet	CAP, CERM, 0.1 µF, 10 V, +/- 10%, X7R, 0603	0603
9	C12	1	22uF	12103D226MAT2A	AVX	CAP, CERM, 22 µF, 25 V, +/- 20%, X5R, 1210	1210
10	C13	1	0.1uF	GRM188R71H104KA93D	MuRata	CAP, CERM, 0.1 µF, 50 V, +/- 10%, X7R, 0603	0603
11	C14	1	10uF	GRM188Z71A106MA73D	MuRata	CAP, CERM, 10 µF, 10 V, +/- 20%, X7R, 0603	0603
12	C16	1	4.7uF	C2012X7R1E474K125AA	TDK	CAP, CERM, 4.7 µF, 25 V, +/- 10%, X7R, 0805	0805
13	C18	1	1000pF	GR443QR73D102KW01L	MuRata	CAP, CERM, 1000 pF, 2000 V, +/- 10%, X7R, 1812	1812
14	C19	1	1800pF	GRM1885C1H182JA01D	MuRata	CAP, CERM, 1800 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
15	C20	1	110pF	GRM1885C1H111JA01D	MuRata	CAP, CERM, 110 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
16	D1, D3	2	20V	PMEG2020EJ,115	NXP Semiconductor	Diode, Schottky, 20 V, 2 A, SOD-323F	SOD-323F
17	D2	1	100V	PMEG10020ELRX	NXP Semiconductor	Diode, Schottky, 100 V, 2 A, AEC-Q101, SOD-123W	SOD-123W
18	J1, J2, J3, J4	4		1984617	Phoenix Contact	Terminal Block, 3.5mm, 2x1, TH	Terminal Block, 3.5mm, 2x1, TH
19	R1	1	0	ERJ-3GEY0R00V	Panasonic	RES, 0, 5%, 0.1 W, 0603	0603
20	R2	1	1.00k	RT0603BRB071KL	Yageo America	RES, 1.00 k, 0.1%, 0.1 W, 0603	0603
21	R3	1	162k	CRCW0603162KFKEA	Vishay-Dale	RES, 162 k, 1%, 0.1 W, 0603	0603
22	R4	1	49.9	ERJ-2RK49R9X	Panasonic	RES, 49.9, 1%, 0.1 W, AEC-Q200 Grade 0, 0402	0402
23	R5	1	30.9k	CRCW060330K9FKEA	Vishay-Dale	RES, 30.9 k, 1%, 0.1 W, 0603	0603
24	R6	1	10.0k	ERJ-2RK1002X	Panasonic	RES, 10.0 k, 1%, 0.1 W, 0402	0402
25	R7	1	78.7k	RC0603FR-0778K7L	Yageo America	RES, 78.7 k, 1%, 0.1 W, 0603	0603
26	R8	1	24.3k	RT0603DRE0724K3L	Yageo America	RES, 24.3 k, 0.5%, 0.1 W, 0603	0603
27	R9	1	1.62k	CPF0603B1K62E	TE Connectivity	RES, 1.62 k, 0.1%, 0.063 W, 0603	0603
28	R10	1	40.2	CRCW060340R2FKEA	Vishay-Dale	RES, 40.2, 1%, 0.1 W, 0603	0603
29	R11	1	4.87k	ERJ-6ENF4871V	Panasonic	RES, 4.87 k, 1%, 0.125 W, 0805	0805
30	R13	1	1.00k	RT0805BRD071KL	Yageo America	RES, 1.00 k, 0.1%, 0.125 W, 0805	0805
31	R100	1	499	RT0805BRD07499RL	Yageo America	RES, 499, 0.1%, 0.125 W, 0805	0805
32	T1	1		750316553_Rev01	Würth Elektronik	Transformer, 52 µH, SMT	17.75x13.46mm
33	TP1, TP6, TP8	3		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
34	TP2, TP5, TP7, TP10	4		5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
35	TP3	1		5003	Keystone	Test Point, Miniature, Orange, TH	Orange Miniature Testpoint
36	TP4	1	Red	5000	Keystone	Test Point, TH, Miniature, Red	Keystone5000
37	U1	1		TPS55340QRTERQ1	Texas Instruments	Integrated 5-A 40-V Wide Input Range Boost/SEPIC/Flyback DC-DC Regulator, RTE0016C	RTE0016C
38	U2	1		TPS79901QDRVRQ1	Texas Instruments	Single Output High PSRR LDO, 200 mA, Adjustable 1.2 to 6.5 V Output, 2.7 to 6.5 V Input, with Low IQ, 6-pin SON (DRV), -40 to 125 degC, Green (RoHS & no Sb/Br)	DRV0006A
39	C8	0	200pF	GRM1555C1H201JA01D	MuRata	CAP, CERM, 200 pF, 50 V, +/- 5%, C0G/NP0, 0402	0402
40	D4, D5	0	6.8V	MMSZ5235BS-7-F	Diodes Inc.	Diode, Zener, 6.8 V, 200 mW, SOD-323	SOD-323
41	R12, R14	0	1.62k	CPF0603B1K62E	TE Connectivity	RES, 1.62 k, 0.1%, 0.063 W, 0603	0603