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PMP20249 REV A Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	C1, C2	2	0.47uF	CGA3E3X7R1H474K080AB	TDK	CAP, CERM, 0.47 µF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
2	C5, C6, C9, C19	4	22uF	C4532X7R1E226M250KC	TDK	CAP, CERM, 22 µF, 25 V, +/- 20%, X7R,	
3	C8, C18, C21, C22	4	0.22uF	C1608X7R1H224K080AB	TDK	CAP, CERM, 0.22 µF, 50 V, +/- 10%, X7R, 0603	0603
4	C10, C24	2	0.1uF	C1005X7R1H104K050BB	TDK	CAP, CERM, 0.1 µF, 50 V, +/- 10%, X7R, 0402	0402
5	C11, C25	2	0.027uF	GRM155R61C273KA01D	MuRata	CAP, CERM, 0.027 µF, 16 V, +/- 10%, X5R, 0402	0402
6	C12, C26	2	0.1uF	GRM155R71A104KA01D	MuRata	CAP, CERM, 0.1 µF, 10 V, +/- 10%, X7R, 0402	0402
7	C13	1	220uF	EEE-FK1C221XP	Panasonic	CAP, AL, 220 µF, 16 V, +/- 20%, 0.34 ohm, SMD	SMT Radial D8
8	C14, C23, C27, C32	4	10uF	C1608X5R1A106M080AC	TDK	CAP, CERM, 10 µF, 10 V, +/- 20%, X5R, 0603	0603
9	C15, C28	2	0.1uF	CGA2B3X7R1H104K050BB	TDK	CAP, CERM, 0.1 µF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	0402
10	C16, C29	2	4.7uF	GCM21BR71C475KA73K	MuRata	CAP, CERM, 4.7 µF, 16 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0805	0805
11	C17	1	150uF	EEE-FK1C151XP	Panasonic	CAP, AL, 150 µF, 16 V, +/- 20%, 0.34 ohm, SMD	SMT Radial D8
12	C30	1	1000uF	EKMQ250EIJ102MJ16S	Chemi-Con	CAP, AL, 1000 µF, 25 V, +/- 20%, TH	D10xL16mm
13	C31	1	0.1uF	GCM155R71H104KE02D	MuRata	CAP, CERM, 0.1 µF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	0402
14	D1	1	30V	1SMB30CAT3G	ON Semiconductor	Diode, TVS, Bi, 30 V, 600 W, SMB	SMB
15	D2, D3	2	16V	SMAJ16CA	Littelfuse	Diode, TVS, Bi, 16 V, 400 W, SMA	SMA
16	J2, J5	2		5-146261-1	TE Connectivity	Header, 100mil, 2x1, Gold, TH	Header, 2x1, 100mil
17	J3	1		ED555/2DS	On-Shore Technology	Terminal Block, 3.5mm Pitch, 2x1, TH	7.0x8.2x6.5mm
18	J4, J6	2		UB225-F04S6BY-B	Yuqiu Electronics	Receptacle, USB Type A, Gold, SMT	Receptacle, USB Type A, SMT
19	L1, L2	2	10uH	MSS1278-103MLB	Coilcraft	Inductor, Shielded Drum Core, Ferrite, 10 µH, 5.7 A, 0.02 ohm, SMD	MSS1278
20	L3	1	1uH	SRP4012-1R0M	Bourns	Inductor, Flat Wire, Powdered Iron, 1 µH, 4.8 A, 0.0336 ohm, SMD	4.7x1.2x4.0mm
21	R1, R4, R14, R17	4	0	CRCW04020000Z0ED	Vishay-Dale	RES, 0, 5%, 0.063 W, 0402	0402
22	R2, R15	2	49.9	CRCW040249R9FKED	Vishay-Dale	RES, 49.9, 1%, 0.063 W, 0402	0402
23	R3, R7, R8, R9, R16, R20, R21, R22	8	100k	CRCW0402100KJNED	Vishay-Dale	RES, 100 k, 5%, 0.063 W, 0402	0402
24	R5, R18	2	2.67k	CRCW04022K67FKED	Vishay-Dale	RES, 2.67 k, 1%, 0.063 W, 0402	0402
25	R10, R23	2	20k	CRCW040220K0JNED	Vishay-Dale	RES, 20 k, 5%, 0.063 W, 0402	0402
26	R11, R24	2	80.6k	CRCW040280K6FKED	Vishay-Dale	RES, 80.6 k, 1%, 0.063 W, 0402	0402
27	R12, R25	2	37.4k	CRCW040237K4FKED	Vishay-Dale	RES, 37.4 k, 1%, 0.063 W, 0402	0402
28	R13, R26	2	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, 0402	0402
29	TP1, TP7, TP8, TP13	4		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
30	TP2, TP11, TP12, TP14	4		5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
31	TP3, TP4, TP5, TP6, TP9, TP10	6		5002	Keystone	Test Point, Miniature, White, TH	White Miniature Testpoint
32	U1	1		LMS3655AQRNLRQ1	Texas Instruments	3.5/5.5A Synchronous Buck Regulator for Automotive Applications, RNL0022A	RNL0022A
33	U2, U4	2		TPS2549IRTERQ1	Texas Instruments	Automotive USB Charging Port Controller with Integrated Power Switch & Cable Compensation, RTE0016C	RTE0016C
34	U3	1		LMS3635AQRNLRQ1	Texas Instruments	3.5/5.5A Synchronous Buck Regulator for Automotive Applications, RNL0022A	RNL0022A
35	C3, C4, C7, C20	0	22uF	C4532X7R1E226M250KC	TDK	CAP, CERM, 22 µF, 25 V, +/- 20%, X7R,	
36	R6, R19	0	0	CRCW04020000Z0ED	Vishay-Dale	RES, 0, 5%, 0.063 W, 0402	0402

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