

Variant: None
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PMP41134 REV A Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	PCB1	1		PMP41134	Any	Printed Circuit Board	
2	C1, C7	2	4.7uF	GRM31CR71H475KA12L	MuRata	CAP, CERM, 4.7 uF, 50 V, +/- 10%, X7R, 1206	1206
3	C2	1	10uF	EEE-FK1H100P	Panasonic	CAP, AL, 10 uF, 50 V, +/- 20%, 0.88 ohm, AEC-Q200 Grade 2, SMD	SMT Radial D
4	C3	1	4.7uF	GRM188Z71C475KE21D	MuRata	CAP, CERM, 4.7 uF, 16 V, +/- 10%, X7R, 0603	0603
5	C4	1	0.1uF	GRM155R71E104KE14D	MuRata	CAP, CERM, 0.1 uF, 25 V, +/- 10%, X7R, 0402	0402
6	C5, C6	2	33pF	CGA3E2C0G1H330J080AA	TDK	Cap Ceramic 33pF 50V C0G 5% Pad SMD 0603 +125°C Automotive T/R	0603
7	C8	1	6800pF	GRM188R72A682KA01D	MuRata	CAP, CERM, 6800 pF, 100 V, +/- 10%, X7R, 0603	0603
8	C9	1	0.022uF	GRM188R71H223KA01D	MuRata	CAP, CERM, 0.022 uF, 50 V, +/- 10%, X7R, 0603	0603
9	C10, C21	2	0.022uF	C1206C223KDRACU	Kemet	CAP, CERM, 0.022 uF, 1000 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1206	1206
10	C11, C14	2	0.1uF	8.85012E+11	Wurth Elektronik	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, 0603	0603
11	C12, C13	2	4.7uF	CGA5L3X7R1H475K160AE	TDK	CAP, CERM, 4.7 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1206	1206
12	C15, C20	2	0.1uF	C1812W104KDRACU	Kemet	CAP, CERM, 0.1 uF, 1000 V, +/- 10%, X7R, 1812	1812
13	C16, C17	2	1000pF	GRM188R71H102KA01D	MuRata	CAP, CERM, 1000 pF, 50 V, +/- 10%, X7R, 0603	0603
14	C18, C19	2	22uF	TMK325B7226MM-PR	Taiyo Yuden	CAP, CERM, 22 uF, 25 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1210	1210
15	D1, D6	2	40V	CUS05S40_H3F	Toshiba	Diode, Schottky, 40 V, 0.5 A, SOD-323	SOD-323
16	D2	1	100V	BAS16D-E3-08	Vishay-Semiconductor	Diode, Switching, 100 V, 0.25 A, AEC-Q101, SOD-123	SOD-123
17	D3, D4	2	60V	PMEG6010CEH,115	Nexperia	Diode, Schottky, 60 V, 1 A, SOD-123F	SOD-123F
18	D5, D7	2	18V	MMSZ5248B-7-F	Diodes Inc.	Diode, Zener, 18 V, 500 mW, SOD-123	SOD-123
19	J1	1		GRPB042MWCN-RC	Sullins Connector Solutions	Header, 1.27mm, 4x2, Gold, R/A, TH	Header, 1.27mm, 4x2, R/A, TH
20	J2	1		PBC02SGBN	Sullins Connector Solutions	Header, 2.54 mm, 2x1, Gold, R/A, TH	Header, 2.54mm, 2x1, R/A, TH
21	PGND1, SW1, TP1, TP2, TP3, Vbulk+1	6		3621-0-32-15-00-00-08-0	Mill-Max		
22	R1	1	49.9k	CRCW060349K9FKEA	Vishay-Dale	RES, 49.9 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
23	R2	1	12.4k	CRCW060312K4FKEA	Vishay-Dale	RES, 12.4 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
24	R3	1	432k	CRCW0603432KFKEA	Vishay-Dale	RES, 432 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
25	R4, R5	2	51	RC0603FR-0751RL	Yageo	RES, 51.0, 1%, 0.1 W, 0603	0603
26	R6	1	0	RC0402JR-070RL	Yageo America	RES, 0, 5%, 0.063 W, 0402	0402
27	R7	1	4.70k	CRG0402F4K7	TE Connectivity	RES, 4.70 k, 1%, 0.063 W, 0402	0402
28	R8	1	12.1k	CRCW060312K1FKEA	Vishay-Dale	RES, 12.1 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
29	R9, R11	2	5.1	CRCW06035R10JNEA	Vishay-Dale	RES, 5.1, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
30	R10, R13	2	1	RC0603FR-071RL	Yageo	RES, 1.00, 1%, 0.1 W, 0603	0603
31	R12, R14	2	10.0k	ERJ-2RKf1002X	Panasonic	RES, 10.0 k, 1%, 0.1 W, 0402	0402
32	R15	1	6.81k	CRCW06036K81FKEA	Vishay-Dale	RES, 6.81 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
33	R16	1	174k	CRCW0603174KFKEA	Vishay-Dale	RES, 174 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
34	R17, R18	2	10	CRCW060310R0FKEAHP	Vishay-Dale	RES, 10.0, 1%, 0.25 W, AEC-Q200 Grade 0, 0603	0603
35	T1	1		ZA9704-AL	Coilcraft	FLYBACK TRANSFORMER	SMD10
36	U1	1		LM5180QNGURQ1	Texas Instruments	70-V PSR Flyback Converter With 100-V, 1.2-A Power Switch and Ultra-Low IQ, NGU0008C (WSON-8)	NGU0008C
37	U2	1		UCC21551CQDWKRQ1	Texas Instruments	Automotive 4-A, 6-A, Reinforced Isolation Dual-Channel Gate Driver	SOIC14
38	U3, U4	2		IMDQ75R027M1HXUMA1	Infineon	N-Channel 750 V 64A (Tj) 273W (Tc) Surface Mount PG-HDSOP-22-1	HDSOP22