

Filename: PMP11784RevB - BoM.xls
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PMP11784 REV B Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	C1	1	100uF	EEE-FK1H101P	Panasonic	CAP, AL, 100 μ F, 50 V, +/- 20%, 0.34 ohm, SMD	SMT Radial F
2	C2, C3	2	4.7uF	GRM32ER71H475KA88L	MuRata	CAP, CERM, 4.7 μ F, 50 V, +/- 10%, X7R, 1210	1210
3	C4, C5	2	100uF	EEHZA1H101P	Panasonic	CAP, Polymer Hybrid, 100 μ F, 50 V, +/- 20%, 28 ohm, 10x10 SMD	10x10
4	C6	1	2.2uF	GRM188R71A225KE15D	MuRata	CAP, CERM, 2.2 μ F, 10 V, +/- 10%, X7R, 0603	0603
5	C7	1	220pF	GRM188R71H221KA01D	MuRata	CAP, CERM, 220 pF, 50 V, +/- 10%, X7R, 0603	0603
6	C8, C101	2	0.01uF	GRM188R71H103KA01D	MuRata	CAP, CERM, 0.01 μ F, 50 V, +/- 10%, X7R, 0603	0603
7	C9	1	1uF	GRM188R71E105KA12D	MuRata	CAP, CERM, 1 μ F, 25 V, +/- 10%, X7R, 0603	0603
8	C11	1	1uF	GRM31MR71H105KA88L	MuRata	CAP, CERM, 1 μ F, 50 V, +/- 10%, X7R, 1206	1206
9	D1	1	50V	SS5P5	Vishay-Semiconductor	Diode, Schottky, 50 V, 5 A, TO-277A	TO-277A
10	D101	1	70V	BAS70-05-7-F	Diodes Inc.	Diode, Schottky, 70 V, 0.07 A, SOT-23	SOT-23
11	D102	1	5.6V	MMSZ4690-V	Vishay-Semiconductor	Diode, Zener, 5.6 V, 500 mW, SOD-123	SOD-123
12	J3	1		61300211121	Würth Elektronik	Header, 2.54 mm, 2x1, Gold, TH	Header, 2.54mm, 2x1, TH
13	L1	1	5.6uH	XAL1010-562MEB	Coilcraft	Inductor, Shielded, Composite, 5.6 μ H, 21.2 A, 0.01 ohm, SMD	Inductor, 11.3x10x10mm
14	Q1	1	40V	SiR422DP	Vishay-Siliconix	MOSFET, N-CH, 40 V, 40 A, PowerPAK SO-8L	PowerPAK SO-8L
15	Q101	1	60V	2N7002E-T1-E3	Vishay-Siliconix	MOSFET, N-CH, 60 V, 0.24 A, SOT-23	SOT-23
16	R1	1	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.1 W, 0603	0603
17	R2	1	15.4k	CRCW060315K4FKEA	Vishay-Dale	RES, 15.4 k, 1%, 0.1 W, 0603	0603
18	R3	1	100	CRCW0603100RFKEA	Vishay-Dale	RES, 100, 1%, 0.1 W, 0603	0603
19	R4	1	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, 0603	0603
20	R5	1	0.008	ERJ-M1WSF8M0U	Panasonic	RES, 0.008, 1%, 1 W, 2512	2512
21	R6	1	66.5k	CRCW060366K5FKEA	Vishay-Dale	RES, 66.5 k, 1%, 0.1 W, 0603	0603
22	R7, R8	2	200k	CRCW0603200KFKEA	Vishay-Dale	RES, 200 k, 1%, 0.1 W, 0603	0603
23	R101	1	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
24	U1	1		LM3481QMM/NOPB	Texas Instruments	High Efficiency Low-Side N-Channel Controller for Switching Regulators, DGS0010A	DGS0010A
25	VIN, VOUT	2		ED120/2DS	On-Shore Technology	TERMINAL BLOCK 5.08MM VERT 2POS, TH	TERM_BLK, 2pos, 5.08mm

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