

PMP20183 REV B Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1	1				CAP, open, 1206	1206
C2	1	22uF	GRM32ER71E226KE15L	MuRata	CAP, CERM, 22 μF, 25 V, +/- 10%, X7R, 1210	1210
C3	1	0.1uF	C2012X7R2A104K	TDK	CAP, CERM, 0.1uF, 100V, +/-10%, X7R, 0805	0805
C4, C5, C101	3	4.7uF	C3225X7S2A475K200AE	TDK	CAP, CERM, 4.7 μF, 100 V, +/- 10%, X7S, 1210	1210
C6	1	0.01uF	GRM188R71H103KA01D	MuRata	CAP, CERM, 0.01 μF, 50 V, +/- 10%, X7R, 0603	0603
C7	1	47pF	GRM1885C1H470JA01D	MuRata	CAP, CERM, 47 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C8	1	1uF	C1608X7R1C105K	TDK	CAP, CERM, 1uF, 16V, +/-10%, X7R, 0603	0603
C9	1	1uF	GRM21BR71H105KA12L	MuRata	CAP, CERM, 1 μF, 50 V, +/- 10%, X7R, 0805	0805
C10	1	1000pF	C1608X7R1H102K	TDK	CAP, CERM, 1000pF, 50V, +/-10%, X7R, 0603	0603
C100	1	0.1uF	C2012X7R2A104K125AA	TDK	CAP, CERM, 0.1 μF, 100 V, +/- 10%, X7R, 0805	0805
D1, D2, D3, D100, D101	5	100V	PMEG10010ELRX	NXP Semiconductor	Diode, Schottky, 100 V, 1 A, AEC-Q101, SOD-123W	SOD-123W
J1, J2	2		ED555/2DS	On-Shore Technology	Terminal Block, 3.5mm Pitch, 2x1, TH	7.0x8.2x6.5mm
L1	1	68uH	CLF7045T-680M	TDK	Inductor, Shielded, Ferrite, 68 μH, 1.1 A, 0.25 ohm, SMD	Inductor, 6.2x4.5x5.9mm
Q1	1	100V	CSD19538Q3A	Texas Instruments	MOSFET, N-CH, 100 V, 5 A, VSONP-8	DNH0008A
R1	1	10	CRCW060310R0JNEA	Vishay-Dale	RES, 10, 5%, 0.1 W, 0603	0603
R2	1	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9, 1%, 0.1 W, 0603	0603
R3	1	499k	CRCW0805499KFKEA	Vishay-Dale	RES, 499 k, 1%, 0.125 W, 0805	0805
R4	1	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.1 W, 0603	0603
R5	1	3.3	CRCW06033R30JNEA	Vishay-Dale	RES, 3.3, 5%, 0.1 W, 0603	0603
R6	1	221	CRCW0603221RFKEA	Vishay-Dale	RES, 221, 1%, 0.1 W, 0603	0603
R7	1	0.05	CRM0805-FW-R050ELF	Bourns	RES, 0.05, 1%, 0.25 W, 0805	0805
R8	1	6.34k	CRCW06036K34FKEA	Vishay-Dale	RES, 6.34 k, 1%, 0.1 W, 0603	0603
R9	1	30.1k	CRCW060330K1FKEA	Vishay-Dale	RES, 30.1 k, 1%, 0.1 W, 0603	0603
R10	1	215k	CRCW0603215KFKEA	Vishay-Dale	RES, 215 k, 1%, 0.1 W, 0603	0603
R11	1	19.6k	CRCW060319K6FKEA	Vishay-Dale	RES, 19.6 k, 1%, 0.1 W, 0603	0603
R100	1	487k	CRCW0805487KFKEA	Vishay-Dale	RES, 487 k, 1%, 0.125 W, 0805	0805
TP1, TP3, TP4, TP6	4		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP2, TP5, TP7	3		5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
U1	1		LM3481MM	Texas Instruments	High Efficiency Low-Side N-Channel Controller for Switching Regulators, 10-pin MSOP	MUB10A

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