



PMP20016 REV B Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	Package
C1, C3	2	10uF	C3225X7R1H106M250AC	TDK	CAP, CERM, 10 μ F, 50 V, +/- 20%, X7R, 1210	1210
C4	1	1uF	GRM188R71E105KA12D	MuRata	CAP, CERM, 1 μ F, 25 V, +/- 10%, X7R, 0603	0603
C5	1	1000pF	C1608X7R1H102K	TDK	CAP, CERM, 1000pF, 50V, +/-10%, X7R, 0603	0603
C6, C14	2	0.1uF	GCM188R71H104KA57D	MuRata	CAP, CERM, 0.1 μ F, 50 V, +/- 10%, X7R, 0603	0603
C7	1	470uF	6TPF470MAH	Panasonic	CAP, Tantalum Polymer, 470 μ F, 6.3 V, +/- 20%, 0.01 ohm, 7343-40 SMD	7343-40
C8	1	47uF	GRM32ER71A476ME15L	MuRata	CAP, CERM, 47 μ F, 10 V, +/- 20%, X7R, 1210	1210
C13, C100	2	1000pF	C1608C0G1H102J	TDK	CAP, CERM, 1000 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C15	1	22uF	EEE-FK1H220P	Panasonic	CAP, AL, 22 μ F, 50 V, +/- 20%, 0.88 ohm, SMD	SMT Radial D
D1	1	60V	SBR8A60P5-13	Diodes Inc.	Diode, Super Barrier Rectifier, 60 V, 8 A, PowerDI5	PowerDI5
J1, J2	2		ED555/2DS	On-Shore Technology	Terminal Block, 6A, 3.5mm Pitch, 2-Pos, TH	7.0x8.2x6.5mm
L1	1	22uH	JA4590-AL	Coilcraft	Coupled inductor, 22 μ H, 7.8 A, 0.028 ohm, SMD	15 x 13.9 x 15mm
Q1	1	60V	CSD18534Q5A	Texas Instruments	MOSFET, N-CH, 60 V, 50 A, SON 5x6mm	SON 5x6mm
R1	1	4.7	CRCW06034R70JNEA	Vishay-Dale	RES, 4.7, 5%, 0.1 W, 0603	0603
R2	1	221	CRCW0603221RFKEA	Vishay-Dale	RES, 221, 1%, 0.1 W, 0603	0603
R3	1	3.24k	CRCW06033K24FKEA	Vishay-Dale	RES, 3.24 k, 1%, 0.1 W, 0603	0603
R4	1	2.74k	CRCW06032K74FKEA	Vishay-Dale	RES, 2.74 k, 1%, 0.1 W, 0603	0603
R8	1	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
R9	1	68.1k	CRCW060368K1FKEA	Vishay-Dale	RES, 68.1 k, 1%, 0.1 W, 0603	0603
R10	1	10.0	CRCW060310R0FKEA	Vishay-Dale	RES, 10.0, 1%, 0.1 W, 0603	0603
R11	1	0.015	CSR1206FK15L0	Stackpole	RES, 0.015, 1%, 0.5 W, 1206	1206
R12	1	39.2k	CRCW060339K2FKEA	Vishay-Dale	RES, 39.2 k, 1%, 0.1 W, 0603	0603
R13	1	88.7k	CRCW060388K7FKEA	Vishay-Dale	RES, 88.7 k, 1%, 0.1 W, 0603	0603
R14	1	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9, 1%, 0.1 W, 0603	0603
TP1, TP4, TP5, TP6, TP8	5	Red	5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP7, TP9, TP10, TP11	4	Black	5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
U1	1		LM3481MM/NOPB	Texas Instruments	High Efficiency Low-Side N-Channel Controller for Switching Regulators, DGS0010A	DGS0010A

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