

PMP20197 REV C Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1	1	47uF	EEE-FK1H470XP	Panasonic	CAP, AL, 47 uF, 50 V, +/- 20%, 0.68 ohm, AEC-Q200 Grade 2, SMD	SMT Radial D8
C2, C4	2	4.7uF	GRM32ER71H475KA88L	MuRata	CAP, CERM, 4.7 uF, 50 V, +/- 10%, X7R, 1210	1210
C8	1	1uF	GRM21BR71H105KA12L	MuRata	CAP, CERM, 1 uF, 50 V, +/- 10%, X7R, 0805	0805
C9, C10	2	10uF	GRM32ER7YA106KA12L	MuRata	CAP, CERM, 10 uF, 35 V, +/- 10%, X7R, 1210	1210
C13	1	100pF	C1608C0G1H101J080AE	TDK	CAP, CERM, 100 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C14	1	0.47uF	C1608X7R1H474K080AC	TDK	CAP, CERM, 0.47 uF, 50 V, +/- 10%, X7R, 0603	0603
C15	1	1uF	C1608X7R1C105K080AC	TDK	CAP, CERM, 1 uF, 16 V, +/- 10%, X7R, 0603	0603
C16	1	0.015uF	GRM188R71H153KA01D	MuRata	CAP, CERM, 0.015 uF, 50 V, +/- 10%, X7R, 0603	0603
C17	1	33pF	GRM1885C1H330JA01D	MuRata	CAP, CERM, 33 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
D6	1	60V	MBRS260T3G	ON Semiconductor	Diode, Schottky, 60 V, 2 A, SMB	SMB
J1, J2	2		ED555/2DS	On-Shore Technology	Terminal Block, 3.5mm Pitch, 2x1, TH	7.0x8.2x6.5mm
L1	1	47uH	MSD1583-473MEB	Coilcraft	Coupled inductor, 47 uH, 5.4 A, 0.1 ohm, SMD	IND_14.8x8.6x14.8mm, SMD
Q1	1	60V	CSD18534Q5A	Texas Instruments	MOSFET, N-CH, 60 V, 50 A, DQJ0008A (VSONP-8)	DQJ0008A
R1, R4	2	3.3	CRCW06033R30JNEA	Vishay-Dale	RES, 3.3, 5%, 0.1 W, 0603	0603
R2, R7	2	49.9k	CRCW060349K9FKEA	Vishay-Dale	RES, 49.9 k, 1%, 0.1 W, 0603	0603
R3	1	499	CRCW0603499RFKEA	Vishay-Dale	RES, 499, 1%, 0.1 W, 0603	0603
R5	1	20.0k	CRCW060320K0FKEA	Vishay-Dale	RES, 20.0 k, 1%, 0.1 W, 0603	0603
R6	1				RES, open, 0603	0603
R8	1	5.36k	CRCW06035K36FKEA	Vishay-Dale	RES, 5.36 k, 1%, 0.1 W, 0603	0603
R9	1	56.2k	CRCW060356K2FKEA	Vishay-Dale	RES, 56.2 k, 1%, 0.1 W, 0603	0603
R10	1	3.01k	CRCW06033K01FKEA	Vishay-Dale	RES, 3.01 k, 1%, 0.1 W, 0603	0603
R11	1	3.57k	CRCW06033K57FKEA	Vishay-Dale	RES, 3.57 k, 1%, 0.1 W, 0603	0603
R12	1	0.15	MCR25JZHFLR150	Rohm	RES, 0.15, 1%, 0.5 W, 1210	1210
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		LM5022MM/NOPB	Texas Instruments	2.2MHz 60-V Low Side Controller for Boost, SEPIC and Flyback, DGS0010A (VSSOP-10)	DGS0010A

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