

PMP20583 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
I PCB	1		PMP20583	Any	Printed Circuit Board	
C1, C5	2	150uF	EEE-FK1A151P	Panasonic	CAP, AL, 150 µF, 10 V, +/- 20%, 0.36 ohm, AEC-Q200 Grade 2, SMD	SMT Radial D
C2, C6	2	1uF	CGA4J3X7R1H105K125AB	TDK	CAP, CERM, 1 µF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0805	0805
C3, C4	2	10uF	NSPE-T100M125V10X10.8LBWYF	NIC Components	CAP, AL, 10 µF, 125 V, +/- 20%, 0.09 ohm, AEC-Q200 Grade 1, SMD	10 x 10
C7	1	1500pF	GCM1885C2A152JA16D	MuRata	CAP, CERM, 1500 pF, 100 V, +/- 5%, C0G/NP0, AEC-Q200 Grade 1, 0603	0603
C8	1	2.2uF	CGA4J3X7R1H225K125AB	TDK	CAP, CERM, 2.2 µF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0805	0805
D1, D4	2	200V	DFLU1200-7	Diodes Inc.	Diode, Superfast Rectifier, 200 V, 1 A, AEC-Q101, PowerDI123	PowerDI123
D2	1	56V	MMSZ5263BT1G	ON Semiconductor	Diode, Zener, 56 V, 500 mW, AEC-Q101, SOD-123	SOD-123
D3, D5	2	250V	BAV21WS-7-F	Diodes Inc.	Diode, Switching, 250 V, 0.25 A, AEC-Q101, SOD-323	SOD-323
D6, D7	2	5.6V	MMSZ5232BS-7-F	Diodes Inc.	Diode, Zener, 5.6 V, 200 mW, SOD-323	SOD-323
L1	1	47uH	XPL2010-473MLB	Coilcraft	Inductor, Shielded, Composite, 47 µH, 0.25 A, 3.96 ohm, AEC-Q200 Grade 1, SMD	XPL2010
Q1	1	200V	IRF5801TRPBF	International Rectifier	MOSFET, N-CH, 200 V, 0.6 A, TSOP-6	TSOP-6
R2, R4	2	2.0Meg	CRCW06032M00JNEA	Vishay-Dale	RES, 2.0 M, 5%, 0.1 W, 0603	0603
R3	1	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
R6	1	51	CRCW060351R0JNEA	Vishay-Dale	RES, 51, 5%, 0.1 W, 0603	0603
R7	1	68.1k	CRCW060368K1FKEA	Vishay-Dale	RES, 68.1 k, 1%, 0.1 W, 0603	0603
R8	1	1.30k	CRCW06031K30FKEA	Vishay-Dale	RES, 1.30 k, 1%, 0.1 W, 0603	0603
R9	1	37.4k	CRCW060337K4FKEA	Vishay-Dale	RES, 37.4 k, 1%, 0.1 W, 0603	0603
R10	1	3.57	CRCW06033R57FKEA	Vishay-Dale	RES, 3.57, 1%, 0.1 W, 0603	0603
T1	1	518uH	XF5186-EP13S-A	XFMRS Inc	Np:Na:Ns1:Ns2=4:2:1:1	EP13S
TP1, TP2, TP4	3		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP3, TP5, TP6	3		5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
TP7	1		5002	Keystone	Test Point, Miniature, White, TH	White Miniature Testpoint
U1	1		UCC28700QDBVRQ1	Texas Instruments	Constant-Voltage, Constant-Current Controller With Primary-Side Regulation, DBV0006A (SOT-6)	DBV0006A
FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial
R1, R5	0	51k	CRCW060351K0JNEA	Vishay-Dale	RES, 51 k, 5%, 0.1 W, 0603	0603
R11	0	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603

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