

PMP20070 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
I PCB	1		PMP20070	Any	Printed Circuit Board	
C1	1	470uF	EMVH500GDA471MMH0S	Chemi-Con	CAP, AL, 470 µF, 50 V, +/- 20%, 0.15 ohm, SMD	MH0
C2	1	4.7uF	GRM31CR71H475KA12L	MuRata	CAP, CERM, 4.7 µF, 50 V, +/- 10%, X7R, 1206	1206
C3	1	2.2uF	GRM31CR72A225KA73L	MuRata	CAP, CERM, 2.2 µF, 100 V, +/- 10%, X7R, 1206_190	1206_190
C4	1	4700uF	SLPX472M080H3P3	Cornell Dubilier Electronics	CAP, AL, 4700 µF, 80 V, +/- 20%, 0.071 ohm, TH	D35xL30mm
C5, C6, C10	3	0.1uF	GCM188R71H104KA57D	MuRata	CAP, CERM, 0.1 µF, 50 V, +/- 10%, X7R, 0603	0603
C7	1	470pF	GRM1885C1H471JA01D	MuRata	CAP, CERM, 470 pF, 50 V, +/- 5%, COG/NP0, 0603	0603
C8	1	1000pF	GRM188R71H102KA01D	MuRata	CAP, CERM, 1000 pF, 50 V, +/- 10%, X7R, 0603	0603
C9	1	0.47uF	GRM188R71E474KA12D	MuRata	CAP, CERM, 0.47 µF, 25 V, +/- 10%, X7R, 0603	0603
C11	1	22pF	GRM2195C2A220JZ01D	MuRata	CAP, CERM, 22 pF, 100 V, +/- 5%, COG/NP0, 0805	0805
D1	1	6.2V	MMSZ5234B-7-F	Diodes Inc.	Diode, Zener, 6.2 V, 500 mW, SOD-123	SOD-123
D2	1	100V	FSV10100V	Fairchild	Diode, Schottky, 100 V, 10 A, TO-277A	TO-277A
H1, H2, H3, H4	4		NY PMS 440 0025 PH	B&F Fastener Supply	Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	Screw
H5, H6, H7, H8	4		1902C	Keystone	Standoff, Hex, 0.5"L #4-40 Nylon	Standoff
L1	1	18uH	MSS1278-183MLB	Coilcraft	Inductor, Shielded Drum Core, Ferrite, 18 µH, 4.5 A, 0.03 ohm, SMD	MSS1278
Q1	1	-40V	SI2319DS-T1-E3	Vishay-Siliconix	MOSFET, P-CH, -40 V, -2.3 A, SOT-23	SOT-23
Q2	1	100V	CSD19534Q5A	Texas Instruments	MOSFET, N-CH, 100 V, 10 A, SON 5x6mm	SON 5x6mm
Q3	1	40 V	MMBT3904WT1G	ON Semiconductor	Transistor, NPN, 40 V, 0.2 A, SOT-323	SOT-323
R1, R2	2	22k	CRCW060322K0JNEA	Vishay-Dale	RES, 22 k, 5%, 0.1 W, 0603	0603
R3	1	6.8	CRCW20106R80JNEF	Vishay-Dale	RES, 6.8, 5%, 0.75 W, 2010	2010
R4	1	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
R5	1	100	CRCW0603100RJNEA	Vishay-Dale	RES, 100, 5%, 0.1 W, 0603	0603
R6	1	10	CRCW060310RJNEA	Vishay-Dale	RES, 10, 5%, 0.1 W, 0603	0603
R7	1	0.05	CSRN2010FK50L0	Stackpole Electronics Inc	RES, 0.05, 1%, 1 W, 2010	2010
R8	1	47.5k	CRCW060347K5FKEA	Vishay-Dale	RES, 47.5 k, 1%, 0.1 W, 0603	0603
R9	1	1.40k	CRCW06031K40FKEA	Vishay-Dale	RES, 1.40 k, 1%, 0.1 W, 0603	0603
R10	1	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
R11	1	25.5k	CRCW060325K5FKEA	Vishay-Dale	RES, 25.5 k, 1%, 0.1 W, 0603	0603
R12, R17	2	47k	CRCW060347K0JNEA	Vishay-Dale	RES, 47 k, 5%, 0.1 W, 0603	0603
R13	1	470k	CRCW0603470KJNEA	Vishay-Dale	RES, 470 k, 5%, 0.1 W, 0603	0603
R14	1	1.0k	CRCW06031K00JNEA	Vishay-Dale	RES, 1.0 k, 5%, 0.1 W, 0603	0603
R15	1	63.4k	CRCW080563K4FKEA	Vishay-Dale	RES, 63.4 k, 1%, 0.125 W, 0805	0805
R16	1	1.24k	CRCW06031K24FKEA	Vishay-Dale	RES, 1.24 k, 1%, 0.1 W, 0603	0603
R18	1	68	CRCW120668R0JNEA	Vishay-Dale	RES, 68, 5%, 0.25 W, 1206	1206
R19	1	47	CRCW060347R0JNEA	Vishay-Dale	RES, 47, 5%, 0.1 W, 0603	0603
TP1, TP4, TP5, TP8	4	Triple	1598-2	Keystone	Terminal, Turret, TH, Triple	Keystone1598-2
TP2, TP3	2	Red	5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
TP6, TP7	2	Black	5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
TP9, TP10, TP11	3	White	5012	Keystone	Test Point, Multipurpose, White, TH	White Multipurpose Testpoint
U1	1		LM5022MMX/NOPB	Texas Instruments	60V Low Side Controller for Boost and SEPIC, 10-pin MSOP, Pb-Free	MUB10A
FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial

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