

**PMP20814 REV A Bill of Materials**

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB?	1		PMP10543	Any	Update Description to match PCB's description	N/A
C1, C9	2	22uF	GRM32ER71E226KE15L	MuRata	CAP, CERM, 22 $\mu$ F, 25 V, +/- 10%, X7R, 1210	1210
C3	1	1000pF	HV1812Y102KXVATHV	Vishay-Vitramon	CAP, CERM, 1000 pF, 4000 V, +/- 10%, X7R,	
C6, C7	2	0.01uF	GRM188R71H103KA01D	MuRata	CAP, CERM, 0.01 $\mu$ F, 50 V, +/- 10%, X7R, 0603	0603
C8	1	1000pF	GRM188R71E102KA01D	MuRata	CAP, CERM, 1000 pF, 25 V, +/- 10%, X7R, 0603	0603
C11	1	1uF	GRM188R71E105KA12D	MuRata	CAP, CERM, 1uF, 25V, +/-10%, X7R, 0603	0603
C12	1	4.7uF	GRM32ER71K475KE14L	MuRata	CAP, CERM, 4.7 $\mu$ F, 80 V, +/- 10%, X7R, 1210	1210
D1	1	100V	MBR1H100SFT3G	ON Semiconductor	Diode, Schottky, 100 V, 1 A, SOD-123FL	SOD-123FL
D5	1	45V	SDM10U45-7-F	Diodes Inc.	Diode, Schottky, 45 V, 0.1 A, SOD-523	SOD-523
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
R1	1	1.0k	CRCW06031K00JNEA	Vishay-Dale	RES, 1.0 k, 5%, 0.1 W, 0603	0603
R5	1	49.9k	CRCW060349K9FKEA	Vishay-Dale	RES, 49.9 k, 1%, 0.1 W, 0603	0603
R6	1	150k	CRCW0603150KFKEA	Vishay-Dale	RES, 150 k, 1%, 0.1 W, 0603	0603
R7	1	681k	CRCW0603681KFKEA	Vishay-Dale	RES, 681 k, 1%, 0.1 W, 0603	0603
R8	1	237k	CRCW0603237KFKEA	Vishay-Dale	RES, 237 k, 1%, 0.1 W, 0603	0603
R9	1	4.75k	CRCW06034K75FKEA	Vishay-Dale	RES, 4.75 k, 1%, 0.1 W, 0603	0603
R10	1	20.5k	CRCW060320K5FKEA	Vishay-Dale	RES, 20.5 k, 1%, 0.1 W, 0603	0603
T1	1	350uH	TG-UT34982S	Universal Microelectronics	Transformer, 350 uH, SMT	13.8x12.4mm
TP1, TP3, TP5, TP9	4	Double	1502-2	Keystone	Terminal, Turret, TH, Double	Keystone1502-2
TP2, TP6, TP8	3	Red	5000	Keystone	Test Point, TH, Miniature, Red	Keystone5000
TP4, TP10	2	Black	5001	Keystone	Test Point, TH, Miniature, Black	Keystone5001
TP7	1	White	5002	Keystone	Test Point, TH, Miniature, White	Keystone5002
U1	1		LM5018MRX/NOPB	Texas Instruments	7.5-100V Wide Vin, 300mA Constant On-Time Synchronous Buck Regulator, DDA0008B (SOIC-8)	DDA0008B

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