

## PMP10091 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C9	2	330pF	GRM188R71H331KA01D	MuRata	CAP, CERM, 330pF, 50V, +/-10%, X7R, 0603	0603
C2, C7	2	1uF	GRM188R71E105KA12D	MuRata	CAP, CERM, 1uF, 25V, +/-10%, X7R, 0603	0603
C3	1	220pF	GRM188R71H221KA01D	MuRata	CAP, CERM, 220pF, 50V, +/-10%, X7R, 0603	0603
C4	1	0.047uF	GRM188R71E473KA01D	MuRata	CAP, CERM, 0.047uF, 25V, +/-10%, X7R, 0603	0603
C5	1	0.1uF	GRM188R71H104KA93D	MuRata	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	0603
C8, C10, C11, C101, C102	5	22uF	GRM32ER71E226KE15L	MuRata	CAP, CERM, 22uF, 25V, +/-10%, X7R, 1210	1210
D1, D101, D102, D103	4	30V	B230A-13-F	Diodes Inc.	Diode, Schottky, 30V, 2A, SMA	SMA
J1, J2, J101	3		ED555/2DS	On-Shore Technology	Terminal Block, 6A, 3.5mm Pitch, 2-Pos, TH	7.0x8.2x6.5mm
L1	1	22uH	7447714220	Würth Elektronik eiSos	Inductor, Shielded Drum Core, Ferrite, 22uH, 3A, 0.042 ohm, SMD	10x5x10mm
Q3	1	25V	CSD16411Q3	Texas Instruments	MOSFET, N-CH, 25V, 56A, SON 3.3x3.3mm	SON 3.3x3.3mm
R1	1	182k	CRCW0603182KFKEA	Vishay-Dale	RES, 182k ohm, 1%, 0.1W, 0603	0603
R2, R101, R102	3	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0k ohm, 1%, 0.1W, 0603	0603
R3	1	2.00k	CRCW06032K00FKEA	Vishay-Dale	RES, 2.00k ohm, 1%, 0.1W, 0603	0603
R5	1	41.2k	CRCW060341K2FKEA	Vishay-Dale	RES, 41.2k ohm, 1%, 0.1W, 0603	0603
R7	1	3.32	CRCW06033R32FKEA	Vishay-Dale	RES, 3.32 ohm, 1%, 0.1W, 0603	0603
R9	1	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9 ohm, 1%, 0.1W, 0603	0603
R10	1	1.0k	CRCW06031K00JNEA	Vishay-Dale	RES, 1.0k ohm, 5%, 0.1W, 0603	0603
R11	1	0.03	CSRN2010FK30L0	Stackpole Electronics Inc	RES, 0.03 ohm, 1%, 1W, 2010	2010
TP1, TP8, TP11, TP102	4	Black	5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
TP2, TP10	2	Red	5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP4	1	Orange	5003	Keystone	Test Point, Miniature, Orange, TH	Orange Miniature Testpoint
TP5, TP7	2	White	5002	Keystone	Test Point, Miniature, White, TH	White Miniature Testpoint
TP101	1	Blue	5117	Keystone	Test Point, Miniature, Blue, TH	Blue Miniature Testpoint
U1	1		TPS40210DGQ	Texas Instruments	4.5-V TO 52-V INPUT CURRENT MODE BOOST CONTROLLER, DGQ0010D	DGQ0010D

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