

PMP30009 REV B Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1	1	220pF	GRM188R71H221KA01D	MuRata	CAP, CERM, 220 pF, 50 V, +/- 10%, X7R, 0603	0603
C2, C5	2	0.1uF	GRM188R71H104KA93D	MuRata	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	0603
C3	1	47pF	GRM1885C1H470JA01D	MuRata	CAP, CERM, 47 pF, 50 V, +/- 5%, COG/NP0, 0603	0603
C4	1	0.022uF	GRM188R71H223KA01D	MuRata	CAP, CERM, 0.022 uF, 50 V, +/- 10%, X7R, 0603	0603
C7	1	1uF	GRM188R71E105KA12D	MuRata	CAP, CERM, 1uF, 25V, +/-10%, X7R, 0603	0603
C8, C10, C11, C12, C27	5	10uF	GRM32ER71H106KA12L	MuRata	CAP, CERM, 10 uF, 50 V, +/- 10%, X7R, 1210	1210
C9	1	330pF	GRM188R71H331KA01D	MuRata	CAP, CERM, 330pF, 50V, +/-10%, X7R, 0603	0603
C13, C14	2	100uF	50ZLJ100MT78X11.5	Rubycon	CAP, AL, 100 uF, 50 V, +/- 20%, 0.12 ohm, TH	CAP, 8x11.5mm
D1	1	40V	MBRS540T3G	ON Semiconductor	Diode, Schottky, 40 V, 5 A, SMC	SMC
D100	1	30V	BAT54C-7-F	Diodes Inc.	Diode, Schottky, 30V, 0.2A, SOT-23	SOT-23
D101	1	8.2V	BZT52C8V2T-7	Diodes Inc.	Diode, Zener, 8.2 V, 300 mW, SOD-523	SOD-523
J1, J2	2		ED555/2DS	On-Shore Technology	Terminal Block, 6A, 3.5mm Pitch, 2-Pos, TH	7.0x8.2x6.5mm
L1	1	10uH	MSS1210-103ME	Coilcraft	Inductor, Shielded, Ferrite, 10 uH, 10 A, 0.014 ohm, SMD	Inductor, 12.3x10x12.3mm
Q1	1	40V	BSZ034N04LS	Infineon Technologies	MOSFET, N-CH, 40 V, 40 A, PG-TSDSON-8	PG-TSDSON-8
R1	1	226k	CRCW0603226KFKEA	Vishay-Dale	RES, 226 k, 1%, 0.1 W, 0603	0603
R2	1	49.9k	CRCW060349K9FKEA	Vishay-Dale	RES, 49.9 k, 1%, 0.1 W, 0603	0603
R3	1	16.9k	CRCW060316K9FKEA	Vishay-Dale	RES, 16.9 k, 1%, 0.1 W, 0603	0603
R5	1	200k	CRCW0603200KFKEA	Vishay-Dale	RES, 200 k, 1%, 0.1 W, 0603	0603
R6	1	10.0	CRCW060310R0FKEA	Vishay-Dale	RES, 10.0, 1%, 0.1 W, 0603	0603
R7	1	7.50	CRCW06037R50FKEA	Vishay-Dale	RES, 7.50, 1%, 0.1 W, 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	0.01	WSP1206R0100FEA	Vishay-Dale	RES, 0.01, 1%, 1 W, 1206	1206
TP1, TP8, TP11	3	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
U1	1		TPS40210DGQ	Texas Instruments	4.5-V TO 52-V INPUT CURRENT MODE BOOST CONTROLLER, DGQ0010D	DGQ0010D

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