

## PMP30465 REV C Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1	1	220pF	GRM1885C1H221JA01D	MuRata	CAP, CERM, 220 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C2	1	33uF	EEE-FK2A330P	Panasonic	CAP, AL, 33 µF, 100 V, +/- 20%, 0.7 ohm, AEC-Q200	SMT Radial G
C3	1	2.2uF	GRM188Z71C225KE43	MuRata	CAP, CERM, 2.2 µF, 16 V, +/- 10%, X7R, 0603	0603
C4	1	47pF	GRM1885C1H470JA01D	MuRata	CAP, CERM, 47 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C5	1	0.01uF	GRM188R71C103KA01D	MuRata	CAP, CERM, 0.01 µF, 16 V,+/- 10%, X7R, 0603	0603
C6, C7, C15	3	1uF	GRM188R71C105KA12D	MuRata	CAP, CERM, 1 µF, 16 V, +/- 10%, X7R, 0603	0603
C8, C9, C11,	4	2.2uF	GRM32ER72A225KA35L	MuRata	CAP, CERM, 2.2 µF, 100 V,+/- 10%, X7R, 1210	1210
C10	1	270pF	GRM1885C1H271JA01D	MuRata	CAP, CERM, 270 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C13	1	330uF	16SVP330M	Panasonic	CAP, Aluminum Polymer, 330 µF, 16 V,+/- 20%, 0.016 ohm, 10x10.3 SMD	10x10.3
C14	1	22uF	GRM32ER71E226KE15L	MuRata	CAP, CERM, 22 µF, 25 V,+/- 10%, X7R, 1210	1210
C101, C104	2	0.1uF	GRM188R71E104KA01D	MuRata	CAP, CERM, 0.1 µF, 25 V,+/- 10%, X7R, 0603	0603
C102	1	470pF	08051C471KAT2A	AVX	CAP, CERM, 470 pF, 100 V,+/- 10%, X7R, 0805	0805
C103	1	1uF	GRM188R71E105KA12D	MuRata	CAP, CERM, 1 µF, 25 V,+/- 10%, X7R, 0603	0603
C105	1	0.01uF	GRM188R71E103KA01D	MuRata	CAP, CERM, 0.01 µF, 25 V,+/- 10%, X7R, 0603	0603
D1	1	6.2V	CMDZ6L2 TR	Central Semiconductor	Diode, Zener, 6.2 V, 250 mW, SOD-323	SOD-323
D2	1	4.7V	MMSZ5230BS-7-F	Diodes Inc.	Diode, Zener, 4.7 V, 200 mW, SOD-323	SOD-323
D3	1	10V	MMSZ5240BS-7-F	Diodes Inc.	Diode, Zener, 10 V, 200 mW, SOD-323	SOD-323
D4, D5	2	100V	BAS16LT1G	ON Semiconductor	Diode, Switching, 100 V, 0.2 A, SOT-23	SOT-23
D6	1	100V	MBRB41H100CTT4G	ON Semiconductor	Diode, Schottky, 100 V, 20 A, DDPAK	DDPAK
J1, J2	2		ED555/2DS	On-Shore Technology	Terminal Block, 6A, 3.5mm Pitch, 2-Pos	THT 7.0x8.2x6.5mm
L1	1	22uH	MSD1514-223MEB	Coilcraft	Coupled inductor, 22µH, 3 A, 0.031 ohm	SMD 15x15mm
Q1, Q3	2	40 V	MMBT2222ALT1G	ON Semiconductor	Transistor, NPN, 40 V, 0.6 A, SOT-23	SOT-23
Q2	1	100V	ZVN3310FTA	Diodes Inc.	MOSFET, N-CH, 100 V, 0.1 A, SOT-23	SOT-23
Q4	1	60 V	MMBT2907ALT1G	ON Semiconductor	Transistor, PNP, 60 V, 0.6 A, SOT-23	SOT-23
Q5	1	100V	BSC098N10NS5	Infineon Technologies	MOSFET, N-CH, 100 V, 60 A, PG-TDSON-8	PG-TDSON-8
R1	1	200k	CRCW0603200KFKEA	Vishay-Dale	RES, 200 k, 1%, 0.1 W, 0603	0603
R2, R4	2	20.0k	CRCW080520K0FKEA	Vishay-Dale	RES, 20.0 k, 1%, 0.125 W, 0805	0805
R3	1	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.1 W, 0603	0603
R5	1	374k	CRCW0603374KFKEA	Vishay-Dale	RES, 374 k, 1%, 0.1 W, 0603	0603
R6, R9	2	49.9k	CRCW060349K9FKEA	Vishay-Dale	RES, 49.9 k, 1%, 0.1 W, 0603	0603
R7	1	100k	CRCW0805100KJNEA	Vishay-Dale	RES, 100 k, 5%, 0.125 W, 0805	0805
R8	1	3.09k	CRCW06033K09FKEA	Vishay-Dale	RES, 3.09 k, 1%, 0.1 W, 0603	0603
R10	1	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9, 1%, 0.1 W, 0603	0603
R11	1	33.2	CRCW060333R2FKEA	Vishay-Dale	RES, 33.2, 1%, 0.1 W, 0603	0603
R12	1	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, 0603	0603
R13	1	0.01	CSR1206FK10L0	Stackpole Electronics Inc	RES, 0.01, 1%, 0.5 W, 1206	1206
R101	1	10.0	CRCW201010R0FKEF	Vishay-Dale	RES, 10.0, 1%, 0.75 W, AEC-Q200 Grade 0	2010
TP1, TP3, TP9	3		5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
TP2, TP5, TP8	3		5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
TP4	1		5003	Keystone	Test Point, Miniature, Orange, TH	Orange Miniature Testpoint
TP6, TP7	2		5002	Keystone	Test Point, Miniature, White, TH	White Miniature Testpoint

<b>Designator</b>	<b>Quantity</b>	<b>Value</b>	<b>PartNumber</b>	<b>Manufacturer</b>	<b>Description</b>	<b>PackageReference</b>
U1	1		TPS40210DGQR	Texas Instruments	4.5-V TO 52-V INPUT CURRENT MODE BOOST CTRL	DGQ0010D

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