

PMP30916 REV C4 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C2, C6, C10, C11, C13	6	2.2uF	GRM32ER72A225KA35L	MuRata	CAP, CERM, 2.2 uF, 100 V,+/- 10%, X7R, 1210	1210
C5, C8	2	0.1uF	GRM188R72A104KA35D	MuRata	CAP, CERM, 0.1 uF, 100 V,+/- 10%, X7R, 0603	0603
C9, C19	2	0.1uF	GRM188R71E104KA01D	MuRata	CAP, CERM, 0.1 uF, 25 V,+/- 10%, X7R, 0603	0603
C12	1	27pF	GRM1885C1H270JA01D	MuRata	CAP, CERM, 27 pF, 50 V,+/- 5%, COG/NP0, 0603	0603
C14, C15	2	1000pF	GRM188R71H102KA01D	MuRata	CAP, CERM, 1000 pF, 50 V, +/- 10%, X7R, 0603	0603
C16	1	0.022uF	GRM188R71C223KA01D	MuRata	CAP, CERM, 0.022 uF, 16 V,+/- 10%, X7R, 0603	0603
C17, C22, C25, C26	4	22uF	GRM32ER71E226KE15L	MuRata	CAP, CERM, 22 uF, 25 V,+/- 10%, X7R, 1210	1210
C18	1	1000pF	C1608X7R2A102K080AA	TDK	CAP, CERM, 1000 pF, 100 V, +/- 10%, X7R, 0603	0603
C20	1	0.068uF	GRM188R71C683KA01D	MuRata	CAP, CERM, 0.068 uF, 16 V, +/- 10%, X7R, 0603	0603
C21	1	0.47uF	GRM21BR72A474KA73L	MuRata	CAP, CERM, 0.47 uF, 100 V, +/- 10%, X7R, 0805	0805
C23	1	100pF	GRM1885C1H101JA01D	MuRata	CAP, CERM, 100 pF, 50 V,+/- 5%, COG/NP0, 0603	0603
C24	1	2.2uF	GCM21BR71E225KA73L	MuRata	CAP, CERM, 2.2 uF, 25 V,+/- 10%, X7R, 0805	0805
D1, D100	2	30V	BAT54LP-7	Diodes Inc.	Diode, Schottky, 30 V, 0.2 A, 1.00x0.50x0.60mm	1.00x0.50x0.60mm
D3	1	100V	B2100A-13-F	Diodes Inc.	Diode, Schottky, 100 V, 2 A, SMA	SMA
J1, J2	2		1725656	Phoenix Contact	Terminal Block, 100mil, 2x1, 6A, 63V, TH	6.2x8.5x5.54 mm
J3	1		PEC02SAAN	Sullins Connector Solutions	Header, 100mil, 2x1, Tin, TH	Header, 2 PIN, 100mil, Tin
L2	1	22uH	XAL8080-223MEB	Coilcraft	Inductor, Shielded, Composite, 22 uH, 5.9 A, 0.033 ohm	SMD 8.1 x 8 x 8.6mm
Q1, Q5	2	80V	BSC117N08NS5ATMA1	Infineon Technologies	MOSFET, N-CH, 80 V, 49 A, PG-TDSON-8	PG-TDSON-8
Q2	1	100 V	BSS63	Fairchild Semiconductor	Transistor, PNP, 100 V, 0.2 A, SOT-23	SOT-23
Q3, Q4	2	100V	BSS123	Fairchild Semiconductor	MOSFET, N-CH, 100 V, 0.17 A, SOT-23	SOT-23
R1	1	200k	CRCW0603200KFKEA	Vishay-Dale	RES, 200 k, 1%, 0.1 W, 0603	0603
R2, R4	2	0	RMCF0603ZT0R00	Stackpole Electronics Inc	RES, 0, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R3, R6	2	10.0	CRCW060310R0FKEA	Vishay-Dale	RES, 10.0, 1%, 0.1 W, 0603	0603
R5	1	215	CRCW0603215RFKEA	Vishay-Dale	RES, 215, 1%, 0.1 W, 0603	0603
R7, R11	2	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.1 W, 0603	0603
R8, R12	2	49.9k	CRCW060349K9FKEA	Vishay-Dale	RES, 49.9 k, 1%, 0.1 W, 0603	0603
R9	1	2.49k	CRCW06032K49FKEA	Vishay-Dale	RES, 2.49 k, 1%, 0.1 W, 0603	0603
R10	1	2.67k	CRCW06032K67FKEA	Vishay-Dale	RES, 2.67 k, 1%, 0.1 W, AEC-Q200 Grade 0	0603
R13	1	49.9	RC0603FR-0749R9L	Yageo	RES, 49.9, 1%, 0.1 W, 0603	0603
R14	1	35.7k	CRCW060335K7FKEA	Vishay-Dale	RES, 35.7 k, 1%, 0.1 W, 0603	0603
R15, R16	2	20.0k	CRCW060320K0FKEA	Vishay-Dale	RES, 20.0 k, 1%, 0.1 W, 0603	0603
R17	1	24.9k	CRCW060324K9FKEA	Vishay-Dale	RES, 24.9 k, 1%, 0.1 W, 0603	0603
R18	1	5.49k	CRCW06035K49FKEA	Vishay-Dale	RES, 5.49 k, 1%, 0.1 W, 0603	0603
R19	1	10	CRCW120610R0JNEA	Vishay-Dale	RES, 10, 5%, 0.25 W, 1206	1206
TP1	1	Red	5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
TP3, TP5	2	Black	5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
TP6	1	Orange	5003	Keystone	Test Point, Miniature, Orange, TH	Orange Miniature Testpoint
TP7	1	Black	5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
TP9	1	Blue	5117	Keystone	Test Point, Miniature, Blue, TH	Blue Miniature Testpoint
TP10	1	Blue	5127	Keystone	Test Point, Multipurpose, Blue, TH	Blue Multipurpose Testpoint
U1	1		LM5146QRGYRQ1	Texas Instruments	5.5-V to 100-V Synchronous Buck Controller	RGY0020B (VQFN-20)

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