

PMP30227 REV B Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C2, C11, C12	4	10uF	GRM32DR71E106KA12L	MuRata	CAP, CERM, 10 μ F, 25 V, +/- 10%, X7R, 1210	1210
C3	1	0.1uF	GRM188R71E104KA01D	MuRata	CAP, CERM, 0.1 μ F, 25 V, +/- 10%, X7R, 0603	0603
C4	1	22uF	GRM32ER71A226ME20L	MuRata	CAP, CERM, 22 μ F, 10 V, +/- 10%, X7R, 1210	1210
C5	1	0.01uF	GRM188R71C103KA01D	MuRata	CAP, CERM, 0.01 μ F, 16 V, +/- 10%, X7R, 0603	0603
C6	1	0.01uF	GRM188R71H103KA01D	MuRata	CAP, CERM, 0.01 μ F, 50 V, +/- 10%, X7R, 0603	0603
C7	1	1uF	GRM188R71C105KA12D	MuRata	CAP, CERM, 1 μ F, 16 V, +/- 10%, X7R, 0603	0603
C8, C9	2	4.7uF	GRM32ER71H475KA88L	MuRata	CAP, CERM, 4.7 μ F, 50 V, +/- 10%, X7R, 1210	1210
C10	1	1000pF	GRM188R72A102KA01D	MuRata	CAP, CERM, 1000 pF, 100 V, +/- 10%, X7R, 0603	0603
C13	1	0.1uF	GRM188R71C104KA01D	MuRata	CAP, CERM, 0.1 μ F, 16 V, +/- 10%, X7R, 0603	0603
D1	1	100V	DFLS1100-7	Diodes Inc.	Diode, Schottky, 100 V, 1 A, PowerDI123	PowerDI123
D2	1	16V	MMSZ5246B-7-F	Diodes Inc.	Diode, Zener, 16 V, 500 mW, SOD-123	SOD-123
J1, J3, J6	3		691 101 710 002	Würth Elektronik	Terminal Block, 5 mm, 2x1, Tin, TH	Terminal Block, 5 mm, 2x1, TH
J2, J5	2		800-10-003-10-001000	Mill-Max	Header, 100mil, 3x1, TH	Header, 3x1, 100mil, TH
J4	1		800-10-002-10-001000	Mill-Max	Header, 100mil, 2x1, TH	Header, 2x1, 100mil, TH
L1	1	2.2uH	XPL2010-222MLB	Coilcraft	Inductor, Shielded, Composite, 2.2 μ H, 1.3 A, 0.16 ohm, SMD	XPL2010
R1, R6	2	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.1 W, 0603	0603
R2	1	68k	CRCW060368K0JNEA	Vishay-Dale	RES, 68 k, 5%, 0.1 W, 0603	0603
R3	1	13.0k	CRCW060313K0FKEA	Vishay-Dale	RES, 13.0 k, 1%, 0.1 W, 0603	0603
R4	1	174k	CRCW0603174KFKEA	Vishay-Dale	RES, 174 k, 1%, 0.1 W, 0603	0603
R5	1	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
R7	1	34.0k	CRCW060334K0FKEA	Vishay-Dale	RES, 34.0 k, 1%, 0.1 W, 0603	0603
T1	1	47uH	WA8417-AL	Coilcraft	Transformer, 47 uH, SMT	22x17.2mm
TP1, TP2, TP6, TP9	4		5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
TP3	1		5012	Keystone	Test Point, Multipurpose, White, TH	White Multipurpose Testpoint
TP4, TP5, TP7, TP8	4		5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
U1	1		TPS62170QDSGRQ1	Texas Instruments	3-17V 0.5A Automotive Step-Down Converter in 2x2 QFN package, DSG0008A (WS0N-8)	DSG0008A
U2	1		LM5160QPWPRQ1	Texas Instruments	Wide Input 65V, 1.5A Synchronous Buck / Fly-Buck(TM) Converter, PWP0014A (TSSOP-14)	PWP0014A

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