

PMP30082 REV B Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C2, C3, C4	4	10uF	GRM32ER61H106KA12L	MuRata	CAP, CERM, 10 µF, 50 V, +/- 10%, X5R, 1210	1210
C5	1	0.01uF	GCM188R71H103KA37D	MuRata	CAP, CERM, 0.01 µF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
C6	1	1uF	885012206052	Würth Elektronik	CAP, CERM, 1 µF, 16 V, +/- 10%, X7R, 0603	0603
C7	1	0.047uF	GRM188R70J473KA01D	MuRata	CAP, CERM, 0.047 µF, 6.3 V, +/- 10%, X7R, 0603	0603
C8	1	0.1uF	GCM188R71H104KA57D	MuRata	CAP, CERM, 0.1 µF, 50 V, +/- 10%, X7R, 0603	0603
C9, C10	2	22uF	885012109014	Würth Elektronik	CAP, CERM, 22 µF, 25 V, +/- 10%, X5R, 1210	1210
C11, C12	2	2.2uF	GRM32ER72A225KA35L	MuRata	CAP, CERM, 2.2 µF, 100 V, +/- 10%, X7R, 1210	1210
C13	1	2.2uF	885012107016	Würth Elektronik	CAP, CERM, 2.2 µF, 25 V, +/- 10%, X5R, 0805	0805
C14, C15	2	10uF	885012207003	Würth Elektronik	CAP, CERM, 10 µF, 6.3 V, +/- 10%, X7R, 0805	0805
C16	1	0.47uF	885012206050	Würth Elektronik	CAP, CERM, 0.47 µF, 16 V, +/- 10%, X7R, 0603	0603
C17	1	10uF	GRM21BC71E106KE11L	MuRata	CAP, CERM, 10 µF, 25 V, +/- 10%, X7S, 0805	0805
C18	1	150pF	GRM1885C2A151JA01D	MuRata	CAP, CERM, 150 pF, 100 V, +/- 5%, C0G/NP0, 0603	0603
C19, C20, C21	3	22uF	GRM21BR61A226ME44L	MuRata	CAP, CERM, 22 µF, 10 V, +/- 20%, X5R, 0805	0805
C22	1	4.7uF	885012207053	Würth Elektronik	CAP, CERM, 4.7 µF, 16 V, +/- 10%, X7R, 0805	0805
D1	1	27V	MMSZ5254B-7-F	Diodes Inc.	Diode, Zener, 27 V, 500 mW, SOD-123	SOD-123
D2	1	200V	MBRS3200T3G	ON Semiconductor	Diode, Schottky, 200 V, 3 A, SMB	SMB
J1, J2, J3, J4	4		691 101 710 002	Würth Elektronik	Terminal Block, 5 mm, 2x1, Tin, TH	Terminal Block, 5 mm, 2x1, TH
L1	1	15uH	VLF302515MT-150M	TDK	Inductor, Shielded, Ferrite, 15 µH, 0.56 A, 0.275 ohm, SMD	IND_3x1.5x3mm
L2	1	47uH	744775147	Würth Elektronik	Inductor, Shielded Drum Core, Ferrite, 47 µH, 1.17 A, 0.18 ohm, SMD	7x5x7.8mm
R1	1	10.0	CRCW060310R0FKEA	Vishay-Dale	RES, 10.0, 1%, 0.1 W, 0603	0603
R2, R6	2	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
R3	1	301k	CRCW0603301KFKEA	Vishay-Dale	RES, 301 k, 1%, 0.1 W, 0603	0603
R4, R8, R9, R11, R13, R14, R15, R18	8	0	ERJ-3GEY0R00V	Panasonic	RES, 0, 5%, 0.1 W, 0603	0603
R5	1	44.2k	CRCW060344K2FKEA	Vishay-Dale	RES, 44.2 k, 1%, 0.1 W, 0603	0603
R7	1	4.99k	CPF0603B4K99E	TE Connectivity	RES, 4.99 k, 0.1%, 0.063 W, 0603	0603
R10	1	180k	CRCW0603180KJNEA	Vishay-Dale	RES, 180 k, 5%, 0.1 W, 0603	0603
R12	1	57.6k	CRCW060357K6FKEA	Vishay-Dale	RES, 57.6 k, 1%, 0.1 W, 0603	0603
R16	1	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9, 1%, 0.1 W, 0603	0603
R17	1	49.9k	CRCW060349K9FKEA	Vishay-Dale	RES, 49.9 k, 1%, 0.1 W, 0603	0603
R19	1	12.4k	CRCW060312K4FKEA	Vishay-Dale	RES, 12.4 k, 1%, 0.1 W, 0603	0603
T1	1	100uH	750370599	Würth Elektronik	Transformer, 100 uH, SMT	15.24x11mm
TP1	1		5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
TP2	1		5014	Keystone	Test Point, Multipurpose, Yellow, TH	Yellow Multipurpose Testpoint
TP3	1		5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
U1	1		LM5017SDX/NOPB	Texas Instruments	100V, 600mA Constant On-Time Synchronous Buck Regulator, NGU0008B	NGU0008B

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
U2	1		TPS62125DSGR	Texas Instruments	3V-17V, 300mA Step Down Converter With Adjustable Enable Threshold And Hysteresis, DSG0008A	DSG0008A
U3	1		LMR23610ADDAR	Texas Instruments	SIMPLE SWITCHER 36 V, 1 A Synchronous Step-Down Converter, DDA0008E	DDA0008E

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