

PMP10123 REV B Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C10, C11, C12	4	22uF	GRM32ER71E226KE15L	MuRata	CAP, CERM, 22 µF, 25 V, +/- 10%, X7R, 1210	1210
C2, C7, C9	3	0.1uF	GRM188R71E104KA01D	MuRata	CAP, CERM, 0.1 µF, 25 V, +/- 10%, X7R, 0603	0603
C3, C5	2	100pF	GRM1885C1H101JA01D	MuRata	CAP, CERM, 100 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C4	1	0.01uF	GRM188R71E103KA01D	MuRata	CAP, CERM, 0.01 µF, 25 V, +/- 10%, X7R, 0603	0603
C6	1	0.022uF	GRM188R71C223KA01D	MuRata	CAP, CERM, 0.022 µF, 16 V, +/- 10%, X7R, 0603	0603
C8	1	330pF	GRM188R71H331KA01D	MuRata	CAP, CERM, 330 pF, 50 V, +/- 10%, X7R, 0603	0603
D1	1	30V	B0530W-7-F	Diodes Inc.	Diode, Schottky, 30V, 0.5A, SOD-123	SOD-123
J1, J2	2		ED555/2DS	On-Shore Technology	Terminal Block, 6A, 3.5mm Pitch, 2-Pos, TH	7.0x8.2x6.5mm
L1	1	2.2uH	74408943022	Wurth Elektronik eiSos	Inductor, Shielded Drum Core, Ferrite, 2.2uH, 3A, 0.026 ohm, SMD	4.8x3.8x4.8mm
R1	1	147k	CRCW0603147KFKEA	Vishay-Dale	RES, 147 k, 1%, 0.1 W, 0603	0603
R2	1	52.3k	CRCW060352K3FKEA	Vishay-Dale	RES, 52.3 k, 1%, 0.1 W, 0603	0603
R3	1	82.5k	CRCW060382K5FKEA	Vishay-Dale	RES, 82.5 k, 1%, 0.1 W, 0603	0603
R4, R10	2	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
R5	1	4.99k	CRCW06034K99FKEA	Vishay-Dale	RES, 4.99 k, 1%, 0.1 W, 0603	0603
R6	1	3.32	CRCW06033R32FKEA	Vishay-Dale	RES, 3.32, 1%, 0.1 W, 0603	0603
R7	1	4.7	CRCW12064R70JNEA	Vishay-Dale	RES, 4.7, 5%, 0.25 W, 1206	1206
R8	1	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9, 1%, 0.1 W, 0603	0603
R9	1	31.6k	CRCW060331K6FKEA	Vishay-Dale	RES, 31.6 k, 1%, 0.1 W, 0603	0603
TP1, TP6	2	Red	5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP2, TP5, TP8	3	Black	5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
TP3, TP4	2	White	5002	Keystone	Test Point, Miniature, White, TH	White Miniature Testpoint
TP7	1	Orange	5003	Keystone	Test Point, Miniature, Orange, TH	Orange Miniature Testpoint
U1	1		TPS57112QRTERQ1	Texas Instruments	2.95-V to 6-V Input, 2-A Output, 2-MHz, Synchronous Step-Down Switcher With Integrated FETs (SWIFT), RTE0016F	RTE0016F

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