

### PMP10516 REV 3 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
I PCB1	1		PMP10516	Any	Printed Circuit Board	
C1, C2, C3, C11	4	10uF	GRM31CR71E106KA12L	MuRata	CAP, CERM, 10uF, 25V, +/-10%, X7R, 1206	1206
C4	1	0.1uF	06033C104JAT2A	AVX	CAP, CERM, 0.1uF, 25V, +/-5%, X7R, 0603	0603
C5	1	2.2uF	C0805C225K8RACTU	Kemet	CAP, CERM, 2.2uF, 10V, +/-10%, X7R, 0805	0805
C6	1	0.1uF	06035C104KAT2A	AVX	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	0603
C7	1	0.022uF	C0603C223K5RACTU	Kemet	CAP, CERM, 0.022uF, 50V, +/-10%, X7R, 0603	0603
C8, C9	2	2.2uF	GRM31CR71H225KA88L	MuRata	CAP, CERM, 2.2uF, 50V, +/-10%, X7R, 1206	1206
C10	1	1uF	GRM188R71E105KA12D	MuRata	CAP, CERM, 1uF, 25V, +/-10%, X7R, 0603	0603
C12	1	1000pF	C0603C102J5GAC	Kemet	CAP, CERM, 1000pF, 50V, +/-5%, C0G/NP0, 0603	0603
C13, C14	2	2200pF	VJ1210A222JXGAT5Z	Vishay-Vitramon	CAP, CERM, 2200 pF, 1000 V, +/- 5%, C0G/NP0, 1210	1210
D1, D2, D3	3	200V	ES1D-13-F	Diodes Inc.	Diode, Ultrafast, 200V, 1A, SMA	SMA
FID1, FID2, FID3, FID4, FID5, FID6	6		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial
H1, H2, H3, H4	4		NY PMS 440 0025 PH	B&F Fastener Supply	Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	Screw
H5, H6, H7, H8	4		1902C	Keystone	Standoff, Hex, 0.5"L #4-40 Nylon	Standoff
LBL1	1		THT-14-423-10	Brady	Thermal Transfer Printable Labels, 0.650" W x 0.200" H - 10,000 per roll	PCB Label 0.650"H x 0.200"W
R1, R2	2	6.04k	CRCW06036K04FKEA	Vishay-Dale	RES, 6.04 k, 1%, 0.1 W, 0603	0603
R3	1	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0 ohm, 5%, 0.1W, 0603	0603
R4	1	31.6k	CRCW060331K6FKEA	Vishay-Dale	RES, 31.6k ohm, 1%, 0.1W, 0603	0603
R5	1	365k	CRCW0603365KFKEA	Vishay-Dale	RES, 365k ohm, 1%, 0.1W, 0603	0603
R6	1	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100k ohm, 1%, 0.1W, 0603	0603
R7, R9	2	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0k ohm, 1%, 0.1W, 0603	0603
R8	1	143k	CRCW0603143KFKEA	Vishay-Dale	RES, 143k ohm, 1%, 0.1W, 0603	0603
R10	1	6.98k	CRCW06036K98FKEA	Vishay-Dale	RES, 6.98k ohm, 1%, 0.1W, 0603	0603
R11	1	20.0k	CRCW060320K0FKEA	Vishay-Dale	RES, 20.0k ohm, 1%, 0.1W, 0603	0603
T1	1	50uH	RA7157-AL	Coilcraft	1:1.5:1.5:0.7 Turns Ratio Transformer	AL
TP1, TP4, TP5, TP7	4	White	5012	Keystone	Test Point, Multipurpose, White, TH	White Multipurpose Testpoint
TP2, TP12, TP13, TP14	4	Black	5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
TP3, TP9, TP15	3	Green	5126	Keystone	Test Point, Multipurpose, Green, TH	Green Multipurpose Testpoint
TP6, TP8, TP10, TP11	4	Red	5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
U1	1		LP2951CSD	Texas Instruments	Series of Adjustable Micropower Voltage Regulators, 8-pin LLP	SDC08A
U2	1		LM25017MR/NOPB	Texas Instruments	48V, 650mA Constant On-Time Synchronous Buck Regulator, DDA0008B	DDA0008B

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