

PMP10928 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
IPCB100	1		PMP10928	Any	Printed Circuit Board	
C100	1	0.47uF	GRM21BR71H474KA88L	MuRata	CAP, CERM, 0.47 μ F, 50 V, +/- 10%, X7R, 0805	0805
C101	1	10uF	GRM188R61A106ME69	MuRata	CAP, CERM, 10 μ F, 10 V, +/- 20%, X5R, 0603	0603
C102, C103, C105, C108, C113, C114, C115	7	0.1uF	GRM155R61E104KA87D	MuRata	CAP, CERM, 0.1 μ F, 25 V, +/- 10%, X5R, 0402	0402
C104, C109	2	0.01uF	GRM155R71H103KA88D	MuRata	CAP, CERM, 0.01 μ F, 50 V, +/- 10%, X7R, 0402	0402
C106	1	1800pF	GRM155R71H182KA01D	MuRata	CAP, CERM, 1800 pF, 50 V, +/- 10%, X7R, 0402	0402
C107	1	DNP	GRM1555C1H220JA01D	MuRata	CAP, CERM, 22 pF, 50 V, +/- 5%, COG/NP0, 0402	0402
C111, C112	2	22uF	C1608X5R0J226M080AC	TDK	CAP, CERM, 22 μ F, 6.3 V, +/- 20%, X5R, 0603	0603
D100, D101	2	100V	MMDL914-TP	Micro Commercial Component	Diode, Switching, 100 V, 0.2 A, SOD-323	SOD-323
D103	1	30V	BAT54WS-7-F	Diodes Inc.	Diode, Schottky, 30 V, 0.2 A, SOD-323	SOD-323
D104	1	40V	B240A-13-F	Diodes Inc.	Diode, Schottky, 40 V, 2 A, SMA	SMA
J100, J101	2	2x1	1715721	Phoenix Contact	Conn Term Block, 2POS, 5.08mm, TH	2POS Terminal Block
L100	1	10uH	PIMB063T-100MS	Cyntec	Inductor, Drum Core, Ferrite, 10 μ H, 4 A, 0.068 ohm, SMD	7.3x3.0x6.8mm
Q100	1	60V	2N7002-7-F	Diodes Inc.	MOSFET, N-CH, 60 V, 0.17 A, SOT-23	SOT-23
Q101	1	40 V	MMBT4401-7-F	Diodes Inc.	Transistor, NPN, 40 V, 0.15 A, SOT-23	SOT-23
R100	1	1.0Meg	CRCW06031M00JNEA	Vishay-Dale	RES, 1.0 M, 5%, 0.1 W, 0603	0603
R101, R102	2	40.2k	CRCW060340K2FKEA	Vishay-Dale	RES, 40.2 k, 1%, 0.1 W, 0603	0603
R103	1	1.00Meg	CRCW06031M00FKEA	Vishay-Dale	RES, 1.00 M, 1%, 0.1 W, 0603	0603
R104, R105	2	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
R106	1	68.1k	CRCW040268K1FKED	Vishay-Dale	RES, 68.1 k, 1%, 0.063 W, 0402	0402
R107	1	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, 0603	0603
R108, R110, R126	3	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
R111	1	1.62k	CRCW06031K62FKEA	Vishay-Dale	RES, 1.62 k, 1%, 0.1 W, 0603	0603
R112	1	392	CRCW0603392RFKEA	Vishay-Dale	RES, 392, 1%, 0.1 W, 0603	0603
R113	1	100	CRCW0603100RJNEA	Vishay-Dale	RES, 100, 5%, 0.1 W, 0603	0603
R114	1	2.0k	CRCW08052K00JNEA	Vishay-Dale	RES, 2.0 k, 5%, 0.125 W, 0805	0805
R115	1	12.4k	CRCW040212K4FKED	Vishay-Dale	RES, 12.4 k, 1%, 0.063 W, 0402	0402
R116	1	4.99k	CRCW04024K99FKED	Vishay-Dale	RES, 4.99 k, 1%, 0.063 W, 0402	0402
R118	1	10.0	CRCW040210R0FKED	Vishay-Dale	RES, 10.0, 1%, 0.063 W, 0402	0402
R119	1	9.31k	CRCW04029K31FKED	Vishay-Dale	RES, 9.31 k, 1%, 0.063 W, 0402	0402
R120	1	10.7k	CRCW040210K7FKED	Vishay-Dale	RES, 10.7 k, 1%, 0.063 W, 0402	0402
R121, R124	2	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, 0402	0402
R122	1	33.2k	CRCW040233K2FKED	Vishay-Dale	RES, 33.2 k, 1%, 0.063 W, 0402	0402
R123	1	0.02	WSLP1206R0200FEA	Vishay-Dale	RES, 0.02, 1%, 1 W, 1206	1206
R125	1	15	CRCW060315R0JNEA	Vishay-Dale	RES, 15 ohm, 5%, 0.1W, 0603	0603
TP100, TP102, TP103	3	Red	5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP101, TP104, TP105	3	Black	5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
U100	1		TL331DBV	Texas Instruments	SINGLE DIFFERENTIAL COMPARATOR, DBV0005A	DBV0005A
U101	1		LM358M	Texas Instruments	Low Power Dual Op Amp, D0008A	D0008A
U102	1		TPS5402DR	Texas Instruments	3.5-V TO 28-V INPUT VOLTAGE, 1.7-A OUTPUT CURRENT, NON-SYNCHRONOUS STEP-DOWN REGULATOR WITH INTEGRATED MOSFET, D0008A	D0008A

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U103	1		LM4040D20IDBZR	Texas Instruments	Precision Micropower Shunt Voltage Reference, 1% accuracy, 2.048 V, 15 ppm / degC, 15 mA, -40 to 85 degC, 3-pin SOT-23 (DBZ), Green (RoHS & no Sb/Br)	DBZ0003A
U104	1		INA213AIDCK	Texas Instruments	Voltage Output, High or Low Side Measurement, Bi-Directional Zero-Drift Series Current-Shunt Monitor, DCK0006A	DCK0006A
C110	0	DNP	GRM1555C1H220JA01D	MuRata	CAP, CERM, 22 pF, 50 V, +/- 5%, C0G/NP0, 0402	0402
D102	0	30V	RB520S30,115	NXP Semiconductor	Diode, Schottky, 30 V, 0.2 A, SOD-523	SOD-523
R109	0	7.5k	CRCW08057K50JNEA	Vishay-Dale	RES, 7.5 k, 5%, 0.125 W, 0805	0805
R117	0	DNP	CRCW04021K00FKED	Vishay-Dale	RES, 1.00 k, 1%, 0.063 W, 0402	0402

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