

PMP20432 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
I PCB900	1		PMP20432	Any	Printed Circuit Board	
C900	1	47uF	450BXW47MEFC12.5X35	Rubycon	CAP ALUM 47UF 20% 450V RADIAL	12.5x20mm
C902	1	0.22uF	GRM55DR72J224KW01L	MuRata	CAP, CERM, 0.22 uF, 630 V, +/- 10%, X7R, 2220	2220
C903	1	2200pF	GRM31BR72J222KW01L	MuRata	CAP, CERM, 2200 pF, 630 V, +/- 10%, X7R, 1206	1206
C904, C905, C906, C907	4	330uF	RR71C331MDN1	Nichicon	CAP ALUM POLY 330UF 20% 16V T/H	D10xH16mm
C908	1	10uF	1210YD106KAT2A	AVX	CAP, CERM, 10 uF, 16 V, +/- 10%, X5R, 1210	1210
C909, C912	2	1uF	C0603C105K4PACTU	Kemet	CAP, CERM, 1 uF, 16 V, +/- 10%, X5R, 0603	0603
C910	1	0.1uF	08053C104KAT2A	AVX	CAP, CERM, 0.1uF, 25V, +/-10%, X7R, 0805	0805
C913	1	4.7uF	C3225X5R1H475K250AB	TDK	CAP, CERM, 4.7 uF, 50 V, +/- 10%, X5R, 1210	1210
C914, C919	2	0.1uF	06035C104KAT2A	AVX	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	0603
C915	1	1000pF	06031C102MAT2A	AVX	CAP, CERM, 1000pF, 100V, +/-20%, X7R, 0603	0603
C916	1	2200 pF	C921U222MYWDBA7317	Kemet	CAP, CERM, 2200pF, 250V, +/-20%, E, Cap, 7x12x9 mm TH	
C917	1	100pF	06035A101FAT2A	AVX	CAP, CERM, 100 pF, 50 V, +/- 1%, COG/NP0, 0603	0603
C918	1	0.022uF	885012206091	Wurth Elektronik	CAP, CERM, 0.022 uF, 50 V, +/- 10%, X7R, 0603	0603
D101	1	33V	SMAJ33A	Littelfuse Inc.	TVS DIODE 33VWM 53.3VC SMA	SMA
D901	1	1.7V	US1M-13-F	Diodes Inc.	Diode, Ultrafast, 1000V, 1A, SMA	SMA
D902	1	150V	DFLS1150-7	Diodes Inc.	Diode, Schottky, 150 V, 1 A, PowerDI123	PowerDI123
D903	1	30V	BAT54HT1G	ON Semiconductor	Diode, Schottky, 30V, 0.2A, SOD-323	SOD-323
L101	1	800nH	XAL5030-801MEB	Coilcraft	Inductor, Shielded, Composite, 800 nH, 13 A, 0.01 ohm, SMD	5.3x31.x5.5mm
Q900	1	80V	CSD19502Q5B	Texas Instruments	MOSFET, N-CH, 80 V, 100 A, VSON-CLIP-8	DNK0008A
Q902	1	800V	STL8N80K5	STMicroelectronics	MOSFET, N-CH, 800 V, 4.5 A, 8-PowerVDFN	8-PowerVDFN
R101, R102, R103, R104	4	301k	CRCW2010301KFKEF	Vishay-Dale	RES, 301 k, 1%, 0.75 W, AEC-Q200 Grade 0, 2010	2010
R900, R901	2	4.99k	CRCW12064K99FKEA	Vishay-Dale	RES, 4.99 k, 1%, 0.25 W, 1206	1206
R903	1	0	CRCW12060000Z0EA	Vishay-Dale	RES, 0, 5%, 0.25 W, 1206	1206
R904, R905	2	432k	RC0603FR-07432KL	Yageo America	RES, 432 k, 1%, 0.1 W, 0603	0603
R906	1	10.0	CRCW060310R0FKEA	Vishay-Dale	RES, 10.0, 1%, 0.1 W, 0603	0603
R907	1	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
R908	1	68.1k	CRCW060368K1FKEA	Vishay-Dale	RES, 68.1 k, 1%, 0.1 W, 0603	0603
R909	1	49.9k	CRCW060349K9FKEA	Vishay-Dale	RES, 49.9 k, 1%, 0.1 W, 0603	0603
R910	1	54.9k	CRCW060354K9FKEA	Vishay-Dale	RES, 54.9 k, 1%, 0.1 W, 0603	0603
R911	1	10.0	CRCW080510R0FKEA	Vishay-Dale	RES, 10.0, 1%, 0.125 W, 0805	0805
R912, R913	2	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0 ohm, 5%, 0.1W, 0603	0603
R914	1	20.0k	CRCW060320K0FKEA	Vishay-Dale	RES, 20.0k ohm, 1%, 0.1W, 0603	0603
R915	1	866	CRCW0805866RFKEA	Vishay-Dale	RES, 866, 1%, 0.125 W, 0805	0805
R916	1	100k	CRCW0805100KJNEA	Vishay-Dale	RES, 100k ohm, 5%, 0.125W, 0805	0805
R917	1	0.3	CSRN2010FKR300	Stackpole Electronics Inc	RES, 0.3, 1%, 1 W, 2010	2010
R918	1	17.8k	CRCW060317K8FKEA	Vishay-Dale	RES, 17.8 k, 1%, 0.1 W, 0603	0603
R919	1	49.9k	CRCW060349K9FKEA	Vishay-Dale	RES, 49.9k ohm, 1%, 0.1W, 0603	0603
R920	1	20.0k	CRCW060320K0FKEA	Vishay-Dale	RES, 20.0 k, 1%, 0.1 W, 0603	0603
R921	1	2.0k	CRCW12062K00JNEA	Vishay-Dale	RES, 2.0k ohm, 5%, 0.25W, 1206	1206
R922	1	15	CRCW060315R0JNEA	Vishay-Dale	RES, 15 ohm, 5%, 0.1W, 0603	0603
R923	1	33.2	CRCW060333R2FKEA	Vishay-Dale	RES, 33.2, 1%, 0.1 W, 0603	0603
R924	1	9.53k	CRCW06039K53FKEA	Vishay-Dale	RES, 9.53 k, 1%, 0.1 W, 0603	0603
R925	1	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0k ohm, 1%, 0.1W, 0603	0603
R926	1	2.49k	CRCW06032K49FKEA	Vishay-Dale	RES, 2.49k ohm, 1%, 0.1W, 0603	0603
T900	1	260uH	RLTI-1189	Renco Electronics	Transformer, 260 uH, TH	1050x740mil

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TP900, TP901, TP902, TP903	4		3104-2-00-34-00-00-08-0	Mill-Max	PCB Pin, Swage Mount, TH	3104-2
U900	1		UCC24636DBVR	Texas Instruments	SYNCHRONOUS RECTIFIER CONTROLLER WITH LOW POWER STANDBY, DBV0006A	DBV0006A
U901	1		UCC28740DR	Texas Instruments	Constant-Voltage, Constant-Current Flyback Controller Using Opto-Coupler Feedback, D0007A	D0007A
U902	1		PC817X4J000F		Opto-Isolator, 1 Channel, TH	DIP-4
U903	1		ATL431AIDBZR	Texas Instruments	2.5V Low Iq Adjustable Precision Shunt Regulator, DBZ0003A	DBZ0003A
C901	0	0.047uF	GRM32DR72J473KW01L	MuRata	CAP, CERM, 0.047 μ F, 630 V, +/- 10%, X7R, 1210	1210
C911	0	100pF	06035A101FAT2A	AVX	CAP, CERM, 100 pF, 50 V, +/- 1%, C0G/NP0, 0603	0603
D900	0	200V	SMCJ200A	Littelfuse Inc.	TVS DIODE 200VWM 324VC SMC	SMC
Q901	0	40 V	MMBT2222A	Fairchild Semiconductor	Transistor, NPN, 40 V, 0.15 A, SOT-23	SOT-23
Q903	0	60 V	MMBT2907A	Fairchild Semiconductor	Transistor, PNP, 60 V, 0.8 A, SOT-23	SOT-23
R902	0	DNP	CRCW08050000Z0EA	Vishay-Dale	RES, 0 ohm, 5%, 0.125W, 0805	0805

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