

PMP20306 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
PCB900	1		PMP20306	Any	Printed Circuit Board	
C900	1	0.1uF	GRM43DR72J104KW01L	MuRata	CAP, CERM, 0.1uF, 630V, +/-10%, X7R, 1812	1812
C901, C902	2	47uF	GRM32ER61A476KE20L	MuRata	CAP, CERM, 47 uF, 10 V, +/- 10%, X5R, 1210	1210
C903	1	0.1uF	06033C104JAT2A	AVX	CAP, CERM, 0.1uF, 25V, +/-5%, X7R, 0603	0603
C904, C916	2	0.1uF	885012205037	Wurth Elektronik	CAP, CERM, 0.1 uF, 16 V, +/- 10%, X7R, 0402	0402
C905	1	10uF	885012207026	Wurth Elektronik	CAP, CERM, 10 uF, 10 V, +/- 10%, X7R, 0805	0805
C906	1	22uF	JMK212BJ226MG-T	Taiyo Yuden	CAP, CERM, 22 uF, 6.3 V, +/- 20%, X5R, 0805	0805
C907	1	0.1uF	08055C104MAT2A	AVX	CAP, CERM, 0.1uF, 50V, +/-20%, X7R, 0805	0805
C908	1	1uF	C1206C105K3RACTU	Kemet	CAP, CERM, 1 uF, 25 V, +/- 10%, X7R, 1206	1206
C909, C910, C915	3	47uF	GRM32ER61C476KE15L	MuRata	CAP, CERM, 47 uF, 16 V, +/- 10%, X5R, 1210	1210
C911	1	1uF	CL21B105KBFNNE	Samsung Electro-Mechanics	CAP, CERM, 1 uF, 50 V, +/- 10%, X7R, 0805	0805
C912	1	2.2uF	12063D225KAT2A	AVX	CAP, CERM, 2.2 uF, 25 V, +/- 10%, X5R, 1206	1206
C913	1	220pF	06031C221KAT2A	AVX	CAP, CERM, 220pF, 100V, +/-10%, X7R, 0603	0603
C914	1	4.7uF	0805ZD475KAT2A	AVX	CAP, CERM, 4.7uF, 10V, +/-10%, X5R, 0805	0805
C917	1	0.022uF	GRM155R61C223KA01D	MuRata	CAP, CERM, 0.022 uF, 16 V, +/- 10%, X5R, 0402	0402
C918	1	680pF	GRM1555C1H681JA01D	MuRata	CAP, CERM, 680 pF, 50 V, +/- 5%, C0G/NP0, 0402	0402
D900, D905, D906	3	60V	RB168MM150TR	Rohm	DIODE SCHOTTKY 150V 1A PMDU	SOD-123
D901	1	130V	SMAJ130A	Littelfuse	DIODE TVS 130V 400W UNI 5% SMD	SMA
D902	1	1.7V	US1M-13-F	Diodes Inc.	Diode, Ultrafast, 1000V, 1A, SMA	SMA
D903	1	100V	MMDL914-TP	Micro Commercial Component	Diode, Switching, 100 V, 0.2 A, SOD-323	SOD-323
D904	1		BAS20HT1G		DIODE SWITCH 200V 200MA SOD323	SOD-323
D907	1	100V	MMDL914-TP	Micro Commercial Component	Diode, Switching, 100V, 0.2A, SOD-323	SOD-323
J900	1		PPPC032LJBN-RC	Sullins Connector Solutions	Receptacle, 2.54mm, 3x2, Gold, R/A, TH	Receptacle, 2.54mm, 3x2, R/A, TH
J901	1		PPPC022LJBN-RC	Sullins Connector Solutions	CONN FEMALE 4POS DL .1" R/A GOLD	5.58x5x8.5 mm
L900	1	2.2uH	744025002	Wurth Elektronik eiSos	Inductor, Shielded Drum Core, Ferrite, 2.2 uH, 1.8 A, 0.057 ohm, SMD	Inductor, 2.8x2.8x2.8mm
Q900	1	800V	IPD80R1K0CEBTMA1	Infineon Technologies	MOSFET, N-CH, 800 V, 5.7 A, DPAK	DPAK
R901	1	4.99k	CRCW04024K99FKED	Vishay-Dale	RES, 4.99 k, 1%, 0.063 W, 0402	0402
R902	1	51	CRCW120651R0JNEA	Vishay-Dale	RES, 51, 5%, 0.25 W, 1206	1206
R904	1	4.99	CRCW08054R99FKEA	Vishay-Dale	RES, 4.99, 1%, 0.125 W, 0805	0805
R905, R906	2	330k	CRCW1206330KJNEA	Vishay-Dale	RES, 330 k, 5%, 0.25 W, 1206	1206
R908	1	2.0k	CRCW12062K00JNEA	Vishay-Dale	RES, 2.0 k, 5%, 0.25 W, 1206	1206
R909	1	30.0k	ERJ-3EKF3002V	Panasonic	RES, 30.0 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R910	1	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
R911	1	1.0Meg	CRCW04021M00JNED	Vishay-Dale	RES, 1.0 M, 5%, 0.063 W, 0402	0402
R912	1	9.53k	CRCW04029K53FKED	Vishay-Dale	RES, 9.53 k, 1%, 0.063 W, 0402	0402
R913	1	200k	CRCW0402200KFKED	Vishay-Dale	RES, 200 k, 1%, 0.063 W, 0402	0402
R914	1	7.5k	CRCW04027K50JNED	Vishay-Dale	RES, 7.5 k, 5%, 0.063 W, 0402	0402
R915	1	499	CRCW0402499RFKED	Vishay-Dale	RES, 499, 1%, 0.063 W, 0402	0402
R916	1	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, 0402	0402
R917	1	2.49k	CRCW04022K49FKED	Vishay-Dale	RES, 2.49 k, 1%, 0.063 W, 0402	0402
R918	1	10.0	CRCW060310R0FKEA	Vishay-Dale	RES, 10.0, 1%, 0.1 W, 0603	0603
T900	1	2.3mH	RLTI-1184	Renco Electronics	Transformer, 2300 uH, SMT	680x620mil

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U900	1		TPS62163DSGR	Texas Instruments	Buck Step Down Regulator with 3 to 17 V Input and 5 V Output, -40 to 85 degC, 8-Pin WSON (DSG), Green (RoHS & no Sb/Br)	DSG0008A
U901	1		UCC3813D-4	Texas Instruments	IC REG CTRLR PWM CM 8SOIC	D0008A

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