

## PMP21495 REV B Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
I PCB100	1		PMP21495	Any	Printed Circuit Board	
C101, C102, C111, C112	4	150uF	400BXW150MEFC16X45	Rubycon	CAP ALUM 150UF 20% 400V RADIAL	D16XL40mm
C103, C104, C106, C107	4	150uF	500MXG150MEFCSN22X55	Rubycon	CAP ALUM 150UF 20% 500V SNAP	D22xL47mm
C119, C120, C121, C122, C123, C124, C125, C126, C127, C129, C134, C135, C136, C137, C138, C139, C140	17	8200pF	CGA5L4NP02J822J160AA	TDK	CAP CER 8200PF 630V NP0 1206	1206_190
C130	1	0.1uF	1812Y1K00104KXT	Knowles Syfer	CAP, CERM, 0.1 uF, 1000 V,+/- 10%, X7R, 1812	1812
C131	1	0.1uF	1812Y1K00104KXT	Knowles Syfer	CAP CER 0.1UF 1KV X7R 1812	1812
C132, C133, C142	3	1uF	B58031I5105M062	TDK	CAP, CERM, 1 uF, 500 V, +/- 20%, B58031, AEC-Q200 Grade 0, 6.84x7.85mm	6.84x7.85mm
C158	1	2200pF	DE1E3KX222MA4BL01	MuRata	CAP, CERM, 2200 pF, 250 V, +/- 20%, E, Cap, 7x12x9 mm	Cap, 7x12x9 mm
C200	1	2200pF	C0402C222K9RAC7867	KEMET	CAP CER 2200PF 6.3V X7R 0402	0402
C201, C202, C205, C211, C225, C227, C230, C231, C240	9	0.1uF	06033C104JAT2A	AVX	CAP, CERM, 0.1uF, 25V, +/-5%, X7R, 0603	0603
C203, C206, C207	3	470pF	CGA2B2X7R1H471K050BA	TDK	CAP, CERM, 470 pF, 50 V,+/- 10%, X7R, AEC-Q200 Grade 1, 0402	0402
C204	1	10pF	C0603C100J5GACTU	Kemet	CAP, CERM, 10 pF, 50 V,+/- 5%, C0G/NP0, 0603	0603
C209, C218, C223	3	1uF	C1608X7R1E105K080AB	TDK	CAP, CERM, 1uF, 25V, +/-10%, X7R, 0603	0603
C210, C224	2	4.7uF	CGB3B1X5R1A475K055AC	TDK	CAP, CERM, 4.7 uF, 10 V,+/- 10%, X5R, 0603	0603
C212, C213, C214, C219, C226, C233, C241	7	0.1uF	C1005X7R1E104M050BB	TDK	CAP, CERM, 0.1 uF, 25 V,+/- 20%, X7R, 0402	0402
C220, C222	2	0.1uF	CC0402KRX7R5BB104	Yageo	CAP, CERM, 0.1uF, 6.3V, +/-10%, X7R, 0402	0402
C234, C235, C236, C237	4	22pF	CL05C220JB5NNNC	Walsin	CAP, CERM, 22 pF, 50 V,+/- 5%, C0G/NP0, 0402	0402
C238	1	2.2uF	GRM188C80J225KE19D	MuRata	CAP, CERM, 2.2 uF, 6.3 V,+/- 10%, X6S, 0603	0603
C239	1	220pF	AC0402KRX7R9BB221	Yageo	CAP, CERM, 220 pF, 50 V,+/- 5%, C0G/NP0, 0402	0402
C242, C245	2	10pF	C0402C100C8GACTU	Kemet	CAP, CERM, 10 pF, 10 V,+/- 2.5%, C0G/NP0, 0402	0402
C243	1	0.1uF	08053C104JAT2A	AVX	CAP, CERM, 0.1 uF, 25 V,+/- 5%, X7R, 0805	0805
C247, C249, C251, C253	4	0.1uF	0402YC104KAT2A	AVX	CAP, CERM, 0.1 uF, 16 V,+/- 10%, X7R, 0402	0402
C248, C252	2	2200pF	CGA2B2X7R1H222K050BA	TDK	CAP, CERM, 2200 pF, 50 V,+/- 10%, X7R, AEC-Q200 Grade 1, 0402	0402
D100, D101, D102, D103, D104, D105, D106, D107	8	40V	CUS05S40,H3F	Toshiba	Diode, Schottky, 40 V, 0.5 A, SOD-323	SOD-323

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D200	1	30V	BAT54S-7-F	Diodes Inc.	Diode, Schottky, 30 V, 0.2 A, SOT-23	SOT-23
F100, F101	2		SC-40	Eaton	Fuse, 40 A, 480 VAC, 300 VDC, Holder	
H100, H101, H102, H103, H104, H105, H106, H107	8		SP900S-0.009-00-90	Bergquist	THERM PAD 21.84MMX18.8MM PINK	
H200, H201, H202, H203	4		NY PMS 440 0025 PH	B&F Fastener Supply	Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	Screw
H204, H205, H206, H207	4		1902C	Keystone	Standoff, Hex, 0.5"L #4-40 Nylon	Standoff
J100, J103	2		282856-2	TE Connectivity	Therminal Block, 5 mm, 2-pole, Tin, TH	TH, 2-Leads, Body 10x10mm, Pitch 5mm
J101, J102	2		282856-3	TE Connectivity	Receptacle, 3x1, 5mm, R/A, TH	Receptacle, 3x1, 5mm, R/A, TH
J200, J201, J204, J205	4		215307-3	TE Connectivity	Receptacle, 2.54mm, 3x2, Tin, TH	Receptacle, 2.54mm, 3x2, TH
J202	1		HSEC8-160-01-L-DV-A-BL	Samtec	C2000 controlCARD-120HSEC connector, SMT	C2000 pin numbering
J203	1		61300511021	Würth Elektronik	Header, 2.54 mm, 5x1, Gold, R/A, TH	Header, 2.54 mm, 5x1, R/A, TH
J207	1		HSEC8-130-01-L-DV-A	Samtec	C2000 controlCARD-180HSEC (60-pin addon) connector, SMT	C2000 pin numbering
L100, L101	2	7uH	RLTI-1310	Renco Electronics	Inductor, Toroid, 7 µH, 1.155 ohm, TH	Dia 735mil
Q100, Q101, Q102, Q103, Q104, Q105, Q106, Q107	8	900V	C3M0030090K	Cree	ZFET 900V, 30 MOHM, G3 SIC MOSFE	TO-247-4
R100, R101, R105, R106, R110, R111, R114, R115	8	1.00Meg	CRCW12061M00FKEA	Vishay-Dale	RES, 1.00 M, 1%, 0.25 W, 1206	1206
R102, R104, R108, R112, R116	5	0.006	PMR18EZPFU6L00	Rohm Semiconductor	RES 0.006 OHM 1% 1W 1206	1206
R103, R107, R109, R113, R117, R142, R143, R144, R145, R146	10	0.01	WSLP1206R0100FEA	Vishay-Dale	RES, 0.01, 1%, 1 W, 1206	1206
R118, R119, R120, R121, R130, R131, R132, R133	8	5.11	CRCW06035R11FKEA	Vishay-Dale	RES, 5.11, 1%, 0.1 W, 0603	0603
R122, R123, R124, R125, R134, R135, R136, R137	8	1.00	RC0603FR-071RL	Yageo America	RES, 1.00, 1%, 0.1 W, 0603	0603
R126, R127, R128, R129, R138, R139, R140, R141	8	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
R200, R201, R219, R220	4	0	CRCW04020000Z0ED	Vishay-Dale	RES, 0, 5%, 0.063 W, 0402	0402
R202, R205, R210	3	365k	CRCW1206365KFKEA	Vishay-Dale	RES, 365 k, 1%, 0.25 W, AEC-Q200 Grade 0, 1206	1206

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
R203, R207, R229, R253, R254, R264	6	56.2	RC0402FR-0756R2L	Yageo	RES SMD 56.2 OHM 1% 1/16W 0402	0402
R204, R215	2	150k	CRCW0402150KFKED	Vishay-Dale	RES, 150 k, 1%, 0.063 W, 0402	0402
R206	1	28.7k	CRCW080528K7FKEA	Vishay-Dale	RES, 28.7 k, 1%, 0.125 W, 0805	0805
R209, R218	2	25.5	CRCW060325R5FKEA	Vishay-Dale	RES, 25.5, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R211	1	1.24k	CRCW04021K24FKED	Vishay-Dale	RES, 1.24 k, 1%, 0.063 W, 0402	0402
R212	1	56.2	CRCW060356R2FKEA	Vishay-Dale	RES, 56.2, 1%, 0.1 W, 0603	0603
R213, R216, R256, R259, R261, R265	6	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, 0402	0402
R214	1	5.49k	CRCW06035K49FKEA	Vishay-Dale	RES, 5.49 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R221, R222	2	4.99k	CRCW04024K99FKED	Vishay-Dale	RES, 4.99 k, 1%, 0.063 W, 0402	0402
R223, R224	2	9.31k	CRCW04029K31FKED	Vishay-Dale	RES, 9.31 k, 1%, 0.063 W, 0402	0402
R225	1	7.15k	CRCW06037K15FKEA	Vishay-Dale	RES, 7.15 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R226	1	14.3k	CRCW060314K3FKEA	Vishay-Dale	RES, 14.3 k, 1%, 0.1 W, 0603	0603
R227	1	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, 0603	0603
R228	1	25.5	CRCW060325R5FKEA	Vishay-Dale	RES, 25.5, 1%, 0.1 W, 0603	0603
R230, R235	2	39.2	CRCW060339R2FKEA	Vishay-Dale	RES, 39.2, 1%, 0.1 W, 0603	0603
R231, R232, R233, R234	4	4.70k	RC0402FR-074K7L	Yageo America	RES, 4.70 k, 1%, 0.0625 W, 0402	0402
R236	1	7.15k	CRCW04027K15FKED	Vishay-Dale	RES, 7.15 k, 1%, 0.063 W, 0402	0402
R237, R239, R240	3	2.00Meg	RC1206FR-072ML	Yageo America	RES, 2.00 M, 1%, 0.25 W, 1206	1206
R238, R248	2	8.25k	CRCW06038K25FKEA	Vishay-Dale	RES, 8.25 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R241, R247, R249, R250, R251, R252	6	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
R242, R243, R244, R245	4	2.55k	CRCW06032K55FKEA	Vishay-Dale	RES, 2.55 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R246	1	25.5k	CRCW060325K5FKEA	Vishay-Dale	RES, 25.5 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R255, R260	2	3.65k	CRCW04023K65FKED	Vishay-Dale	RES, 3.65 k, 1%, 0.063 W, 0402	0402
R257, R258, R262, R263	4	1.00k	CRCW04021K00FKED	Vishay-Dale	RES, 1.00 k, 1%, 0.063 W, 0402	0402
T100	1	25uH	60814	Payton	Transformer, 25 uH, TH	130x90mm
TP100, TP101, TP108, TP109	4		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP102, TP103, TP105, TP106, TP107	5		5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
TP200, TP201, TP202, TP203, TP204, TP205, TP206, TP207, TP208, TP209, TP210, TP211, TP212, TP213, TP214, TP215	16		0312-0-15-15-34-27-10-0	Mill-Max	Pin Receptacle, .032-.046" .075" Dia, Gold, TH	Pin Receptacle
U200, U210, U211	3		LMV116MF/NOPB	Texas Instruments	IC OPAMP VFB 45MHZ RRO SOT23-5	DBV0006A
U201, U206, U209	3		OPA320AIDBVR	Texas Instruments	Precision, 20 MHz, 0.9 pA Ib, RRIO, CMOS Operational Amplifier, 1.8 to 5.5 V, -40 to 125 degC, 5-pin SOT23 (DBV5), Green (RoHS & no Sb/Br)	DBV0005A
U202	1		TLV71333PQDBVRQ1	Texas Instruments	Capacitor-Free, 150-mA, Low-Dropout Regulator with Foldback Current Limit for Portable Devices, DBV0005A	DBV0005A
U203	1		AMC1302QDWVRQ1	Texas Instruments	Precision Reinforced Isolated Amplifier for Current Sensing, DWV0008A (SOIC-8)	DWV0008A

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
U204, U208	2		ISO7820FDWR	Texas Instruments	High-Immunity, 5.7kVRMS Reinforced Dual-Channel 2/0 Digital Isolator, 100Mbps, DW0016B (SOIC-16)	DW0016B
U205	1		REF2033AIDDCR	Texas Instruments	Low-Drift, Low-Power, Dual-Output VREF and VREF/2 Voltage Reference, DDC0005A (SOT-23-T-5)	DDC0005A
U207	1		AMC1311BDWVR	Texas Instruments	Precision, 2-V Input, Reinforced Isolated Amplifier, DWV0008A (SOIC-8)	DWV0008A
XF100, XF101, XF102, XF103	4		BK/1A3400-10	Eaton	FUSE CLIP CARTRIDGE 30A PCB	11.1x11.94mm
C100, C105, C108, C109, C110, C113, C114, C115, C116, C117, C118, C128, C141, C146, C147, C148, C149	0	8200pF	CGA5L4NP02J822J160AA	TDK	CAP CER 8200PF 630V NP0 1206	1206_190
C208, C216, C217, C221, C229, C232	0	0.01uF	GRM155R61A103KA01D	MuRata	CAP, CERM, 0.01 $\mu$ F, 10 V,+/- 10%, X5R, 0402	0402
C215, C228	0	0.01uF	06031C103KAT2A	AVX	CAP, CERM, 0.01 $\mu$ F, 100 V,+/- 10%, X7R, 0603	0603
C244, C254	0	10pF	C0402C100C8GACTU	Kemet	CAP, CERM, 10 pF, 10 V,+/- 2.5%, C0G/NP0, 0402	0402
C246, C250	0	2.2pF	GRM1555C1H2R2BA01D	MuRata	CAP, CERM, 2.2 pF, 50 V,+/- 5%, C0G/NP0, 0402	0402
J104, J105	0		575-4	Keystone	Standard Banana Jack, Uninsulated, 5.5mm	Keystone_575-4
J206	0		SSW-104-24-G-D	Samtec	Receptacle, 2.54mm, 4x2, Gold, TH	Receptacle, 2.54mm, 4x2, TH
J209	0		215307-3	TE Connectivity	Receptacle, 2.54mm, 3x2, Tin, TH	Receptacle, 2.54mm, 3x2, TH
R208, R217	0	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, 0402	0402

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Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265  
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