

PMP23461 REV A Bill of Materials



Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	Package/Reference
1	PC000	1		ANY	Any	Printed Circuit Board	
2	C300, C301	2	2200pF	AY2222AGB9Y563L7	Vishay-Bicomponents	CAP, CERAM, 2200 pF, 300 V, +/- 20%, Y5U1, AEC-Q200 Grade 1, 08.5x5mm	08.5x5mm
3	C302, C303, C304, C305, C306, C307, C308, C309, C310, C311, C312, C313, C314, C315, C316, C317, C318, C319, C320, C321, C322, C323, C324, C325, C326, C327, C328, C329, C330, C331, C332, C333, C334, C335, C336, C337, C338, C339, C340, C401, C402, C403, C404, C405, C406	56	33nF	CGA6P4CG2J33J1250AA	TDK	0.033uF ±5% 630V Ceramic Capacitor C0G, NP0 1210 (3225 Metric)	1210
4	C318, C328, C339	3	10pF	0402S100CA7A	AVX	CAP, CERAM, 10 pF, 50 V, +/- 2.5%, COGNR0, AEC-Q200 Grade 1, 0402	402
5	C319, C320	2	470uF	843648A6477M057	TDK	470uF 500V Aluminum Electrolytic Capacitors Radial, Can - Snap In 532.2mOhm @ 100Hz 15000 Hrs @ 85°C	RADIAL
6	C341, C360	2	0.1uF	CGA2B2X7R1H422KX908BA	TDK	CAP, CERAM, 0.1 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	1206, 190
7	C352, C357, C330, C335, C338, C339, C348, C349, C350	9	0.1uF	CGA2B2X7R1H422KX908BA	TDK	CAP, CERAM, 0.1 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	402
8	C323, C325	2	300uF	843648A6337M057	TDK	300uF 500V Aluminum Electrolytic Capacitors Radial, Can - Snap In 667.4mOhm @ 100Hz 7000 Hrs @ 105°C	RADIAL
9	C329, C337	2	2200pF	CGA2B2X7R1H422KX908BA	TDK	CAP, CERAM, 2200 pF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	402
10	C344, C346	2	0.1uF	CGA2B2X7R1H422KX908BA	TDK	CAP, CERAM, 0.1 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	402
11	C352, C354, C361, C362	4	1000pF	1206S100KA7A	AVX	CAP, CERAM, 1000 pF, 50 V, +/- 10%, X7R, 1206	1206
12	C363	1	0.1uF	CGA2B2X7R1H422KX908BA	TDK	CAP, CERAM, 0.1 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	402
13	C368, C364	2	1uF	1206C100KA7A	AVX	CAP, CERAM, 1 uF, 25 V, +/- 10%, X7R, 1206	1206
14	C369, C367	4	0.1uF	C0603C100K050CAUTO	Kemet	CAP, CERAM, 0.1 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 2, 0603	603
15	C365, C366	2	1uF	CGA2B2X7R1H422KX908BA	TDK	CAP, CERAM, 1 uF, 25 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	603
16	C369, C368	2	1000pF	C0603C100K050CAUTO	Kemet	CAP, CERAM, 1000 pF, 50 V, +/- 10%, X7R, 0603	603
17	C362	1	1000pF	CGA2B2X7R1H422KX908BA	TDK	CAP, CERAM, 1000 pF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	402
18	F300, F301	2		SE5025-MKEP_w	Infuselec	50A AC 400V DC Fuse Cartridge, Ceramic Through Hole 348, 34G, 14V x 1.14" (Aval)	AXIAL
19	FR300, FR301, FR302, FR303, FR304, FR305	6		MMQ100V7182CTD25	TDK	1.8 KOhm @ 100MHz 1 Signal Line Ferrite Bead 0402 (1005 Metric) 1.60x0.80x0.2mm	402
20	J300, J301, J302, J303	4		HLE-105-G2-G-DV-BE-A	Santec	12 Position Receptacle, Bottom Entry Connector Surface Mount	HDR12
21	J304	1		25216L2	TE Connectivity	Connectix Header Through Hole 2 position 0.079" (2.00mm)	HDR2
22	J306, J306, J307, J308	4		14850074R	Würth Elektronik	4 Pin Screw Terminal, Power Tap M4 Through Hole	SCREW_MOUNTING
23	J309, J311, J313	3		LPFB102CFN-RC	Sullins Connector Solutions	Receptacle, 1.27mm, 10x2, Gold, TH	Receptacle, 1.27 mm, TH
24	R000, R002, R004, R006, R009	5		CRF1206-F2-R010ELF	Bourns	10 mOhms ±1% 1W Chip Resistor 1206 (3216 Metric) Automotive AEC-Q200, Current Sense, Moisture Resistant Metal Element	1206
25	R001, R003, R005, R009	4	0.006	WSL1206L000FEA18	Vishay-Dale	RES, 0.006, 1%, 0.5 W, 1206	1206
26	R007, R013, R024	3	56.2	CHCW040256R2PKED	Vishay-Dale	RES, 56.2, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
27	R011, R016, R018, R029, R030, R048	6	10.0k	GRJ042F1002X	Panasonic	RES, 10.0 k, 1%, 0.2 W, AEC-Q200 Grade 0, 0402	402
28	R012, R022, R032, R040, R050, R061	6	0	CHCW04020000X0ED	Vishay-Dale	RES, 0, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	402
29	R014, R015, R027, R028	4	1.00k	CHCW040210K0PKED	Vishay-Dale	RES, 1.00 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
30	R017, R030	2	1.65k	CHCW040236R5PKED	Vishay-Dale	RES, 3.65 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
31	R018, R031	2	8.45k	CHCW040284R5PKED	Vishay-Dale	RES, 8.45 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
32	R020, R021, R026, R028	4	2.55k	CHCW040225K5PKED	Vishay-Dale	RES, 2.55 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
33	R023, R041	2	11	CHCW040211R0PKED	Vishay-Dale	RES, 11.0, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
34	R034, R054	2	12.1k	GRJ042F1210X	Panasonic	RES, 12.1 k, 1%, 0.2 W, AEC-Q200 Grade 0, 0402	1206
35	R038, R054	2	1.5k	CHCW040215K0PKED	Vishay-Dale	RES, 7.15 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
36	R037, R038, R042, R044	4	4.7k	CHCW040247K0J0NEJ	Vishay-Dale	RES, 4.7 k, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	402
37	R039	1	7.15k	CHCW040271K5PKEA	Vishay-Dale	RES, 7.15 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
38	R042, R056	2	150k	CHCW0402150KPKED	Vishay-Dale	RES, 150 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
39	R045, R051, R053	3	2.00k	CHCW120620K0PKEA	Vishay-Dale	RES, 2.00 k, 1%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
40	R046, R047	2	18.6	CHCW0402186RPKED	Vishay-Dale	RES, 18.6, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
41	R050, R052, R055	3	360k	CHCW1206360KPKEA	Vishay-Dale	RES, 360 k, 1%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
42	R057, R058	2	39.2	CHCW040239R2PKED	Vishay-Dale	RES, 39.2, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
43	R059, R062	2	47k	CHCW040247K0J0NEA	Vishay-Dale	RES, 47 k, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	603
44	T300	1		RLT-1371	Renco Electronics	PRIMARY SIDE ROGOWSKI (PMP22495)	PTH_XFMR_01N028
45	T301	1		RLT-1379	Renco Electronics	Secondary Side Rogowski (PMP22495)	PTH_XFMR_01N028
46	T302	1		VT-20163	Cytec	TRANSFORMER	PTH_XFMR_01N028
47	TP300, TP301, TP302, TP303, TP304, TP305, TP306, TP307, TP308, TP309, TP310, TP311, TP312, TP313, TP314, TP315, TP316, TP317, TP318, TP319, TP320, TP321, TP322, TP323	24		0312-0-15-15-34-27-10-0	M&M-Mex		Pin Receptacle
48	TP324, TP325, TP327, TP328, TP329, TP330, TP331, TP332, TP333, TP334	10		5001	Keystone, Keystone Electronics	Test Point, Miniaure, Black, TH	Black Miniaure Testpoint
49	TP326	1		5000	Keystone	Test Point, Miniaure, Red, TH	Red Miniaure Testpoint
50	U000	1		IMP258AE4D0RQ0L	Telex Instruments	Temperature Sensor Analog, Local -40°C ~ 150°C 10mV/°C SOT-23-3	SOT23-3
51	U001, U002	2		TVX0502BVRQ0L	Telex Instruments	CMOS Amplifier 3 Circuit Rail-to-Rail SOT-23-5	SOT23-5
52	U002, U004, U006	3		CPA320A2Q0BVRQ0L	Telex Instruments	Automotive Qualified Precision, Zero-Crossover, 20MHz, 0.5pA Ib, RRIO, CMOS Operational Amplifier, DBV0005A (SOT-23-5)	DBV0005A
53	U005	1		LMV750QMF1NCPB	Telex Instruments	17 MHz, Low Noise, CMOS Input, 1.8V Operational Amplifiers, DBV0005A (SOT-23-5)	DBV0005A
54	U007	1		AMC3302Q0WERQ0L	Telex Instruments	±50-mV input, precision reinforced isolated amplifier with integrated	SOIC16
55	U008	1		AMC3302Q0WERQ0L	Telex Instruments	DC/DC converter 16-SOIC -40 to 125	SOIC16
56	C331, C340	0	10pF	0402S100CA7A	AVX	CAP, CERAM, 10 pF, 50 V, +/- 2.5%, COGNR0, AEC-Q200 Grade 1, 0402	402
57	C332, C342	0	0.002uF	CGA2B2X7R1H422KX908BA	TDK	CAP, CERAM, 0.002 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	402
58	C334, C336, C341, C343, C347, C351	0	0.01uF	CGA2B2X7R1H422KX908BA	TDK	CAP, CERAM, 0.01 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	402
59	C345	0	470nF	CGM155R71H473KA37D	Infuselec	CAP, CERAM, 470 nF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	402
60	R010	0	0.006	WSL1206L000FEA18	Vishay-Dale	RES, 0.006, 1%, 0.5 W, 1206	1206
61	R035, R049	0	0	CHCW04020000X0ED	Vishay-Dale	RES, 0, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	402

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