PMP23595 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB700	1		PMP23595	Any	Printed Circuit Board	
C101, C102, C103, C201, C202, C203, C301, C302, C303, C401, C402, C403	12	4.7uF	GCM32DC72A475KE02L	MuRata	CAP, CERM, 4.7 µF, 100 V,+/- 10%, X7S, AEC-Q200 Grade 1, 1210	1210
C104, C204, C304, C404	4	1uF	CGA4J3X7S2A105K125AB	TDK	CAP, CERM, 1 uF, 100 V, +/- 10%, X7S, AEC-Q200 Grade 1, 0805	0805
C105, C205, C305, C405	4	0.1uF	HMK107B7104MAHT	Taiyo Yuden	CAP, CERM, 0.1 µF, VAC/100 VDC,+/- 20%, X7R, AEC-Q200 Grade 1, 0603	0603
C106, C206, C306, C406	4	0.01uF	CGA2B3X7S2A103K050BB	TDK	CAP, CERM, 0.01 uF, 100 V, +/- 10%, X7S, AEC-Q200 Grade 1, 0402	0402
C107, C207, C307, C407	4	1000pF	CGA2B3X7S2A102K050BB	TDK	CAP, CERM, 1000 pF, 100 V, +/- 10%, X7S, AEC-Q200 Grade 1, 0402	0402
C110, C210, C310, C410	4	4.7uF	GRT188R61C475KE13D	MuRata	CAP, CERM, 4.7 µF, 16 V,+/- 10%, X5R, AEC-Q200 Grade 3, 0603	0603
C111, C112, C113, C114, C115, C116, C117, C211, C212, C213, C214, C215, C216, C217, C311, C312, C313, C314, C315, C316, C317, C411, C412, C413, C414, C415, C416, C417	28	22µF	GCM32EC71E226KE36L	Murata	Ceramic Capacitor for Automotive 22uF ±10% 25VDC X7S 1210 Embossed T/R	1210
C121, C221, C321, C421	4	1uF	CGA3E1X7R1V105K080AE	TDK	CAP, CERM, 1 µF, 35 V,+/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
C122, C222, C322, C422	4	47pF	CGA2B2C0G1H470J050BA	TDK	CAP, CERM, 47 pF, 50 V,+/- 5%, C0G/NP0, AEC-Q200 Grade 1, 0402	0402
C123	1	150pF	CGA2B2C0G1H151J050BA	TDK	CAP, CERM, 150 pF, 50 V, +/- 5%, C0G/NP0, AEC-Q200 Grade 1, 0402	0402
C124	1	6800pF	CGA2B3X7S2A682K050BB	TDK	CAP, CERM, 6800 pF, 100 V, +/- 10%, X7S, AEC-Q200 Grade 1, 0402	0402
C223, C323, C423	3	47pF	CGA2B2NP01H470J050BA	TDK	CAP, CERM, 47 pF, 50 V, +/- 5%, C0G/NP0, AEC-Q200 Grade 0, 0402	0402
C500, C601	2	0.01uF	GRM188R72A103KA01D	MuRata	CAP, CERM, 0.01 uF, 100 V, +/- 10%, X7R, 0603	0603
C501, C600	2	1000pF	CGA3E2X7R2A102K080AA	TDK	CAP, CERM, 1000 pF, 100 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
C502	1	0.1uF	C0805C104K1RACTU	Kemet	CAP, CERM, 0.1 uF, 100 V, +/- 10%, X7R, 0805	0805

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C503, C504, C505, C506, C507, C508, C509, C510, C515, C516	10	4.7µF	GCJ32DC72A475KE01L	Murata	4.7uF ±10% 100V Ceramic Capacitor X7S 1210 (3225 Metric)	1210
C511, C512, C513, C514	4	0.47uF	GRM21BR72A474KA73L	MuRata	CAP, CERM, 0.47 uF, 100 V, +/- 10%, X7R, 0805	0805
C517	1	100uF	EEV-FK1K101Q	Panasonic	CAP, AL, 100 uF, 80 V, +/- 20%, 0.32 ohm, AEC-Q200 Grade 2, SMD	SMT Radial H13
C518	1	0.1uF	06035C104KAZ2A	AVX	CAP, CERM, 0.1 µF, 50 V,+/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
C602, C603	2	0.1uF	CGA3E2X7R1E104K080AA	TDK	CAP, CERM, 0.1 uF, 25 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
H700, H701, H702, H703	4		NY PMS 440 0025 PH	B&F Fastener Supply	Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	Screw
H704, H705, H706, H707	4		1902E	Keystone	Standoff, Hex, 1"L #4-40 Nylon	Standoff
J101, J102	2		HTSW-103-07-G-S	Samtec	Header, 100mil, 3x1, Gold, TH	Header, 100mil, 3x1, TH
J504	1		TSW-103-07-G-T	Samtec	Connector Header Through Hole 9 position 0.100" (2.54mm)	HDR9
J505	1		TSW-105-07-G-S	Samtec	Header, 100mil, 5x1, Gold, TH	5x1 Header
J600	1		5-146261-1	TE Connectivity	Header, 100mil, 2x1, Gold, TH	Header, 2x1, 100mil
J601, J602	2		MMCX-J-P-H-ST-TH1	Samtec	Connector, MMCX 50 ohm, TH	Connector, MMCX, TH
L101, L201, L301, L401	4	4.7uH	VCUD128T-4R7MS8	Cyntec	Power Choke Coil 4.7uH 20% 100kHz 4.7mOhm 27A AECQ200 13.3x12.8x8.0mm SMT	SMT_IND_13MM3_12MM8
L500	1	1uH	VCHA105D-1R0MS6	Cyntec	Inductor, 1 µH, 30 A, 0.00276 ohm, AEC-Q200 Grade 0, SMD	10.85x10mm
Q600, Q601	2	30V	CSD17570Q5B	Texas Instruments	MOSFET, N-CH, 30 V, 51 A, DNK0008A (VSON-CLIP-8)	DNK0008A
R101, R201, R301, R401	4	1m	KRL3216E-C-R001-J-T5	Susumu	1 mOhms ±5% 1.5W Chip Resistor Wide 1206 (3216 Metric), 0612 Automotive AEC-Q200, Current Sense Metal Foil	0612
R103, R203, R303, R403, R505, R506, R507	7	0	RK73Z1ETTP	KOA Speer	RES, 0, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R106	1	49.9	RMCF0402FT49R9	Stackpole Electronics Inc	RES, 49.9, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R107, R208, R308, R408	4	100k	CRCW0402100KJNED	Vishay-Dale	RES, 100 k, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R109, R209, R309, R409	4	27.4k	CRCW040227K4FKED	Vishay-Dale	RES, 27.4 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R110, R210, R310, R410	4	54.9k	CRCW040254K9FKED	Vishay-Dale	RES, 54.9 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R111	1	200k	CRCW0402200KJNED	Vishay-Dale	RES, 200 k, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R112	1	3.65k	CRCW04023K65FKED	Vishay-Dale	RES, 3.65 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R113	1	10	RMCF0402JT10R0	Stackpole Electronics Inc	RES, 10.0, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R116	1	6.04k	CRCW04026K04FKED	Vishay-Dale	RES, 6.04 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R117	1	6.98k	CRCW04026K98FKED	Vishay-Dale	RES, 6.98 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R119	1	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R120	1	9.09k	CRCW06039K09FKEA	Vishay-Dale	RES, 9.09 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R206, R306, R406	3	249	CRCW0402249RFKED	Vishay-Dale	RES, 249, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R500, R501, R503, R504, R607	5	1	CRCW06031R00FKEA	Vishay-Dale	RES, 1.00, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R502	1	1	RCL12251R00FKEG	Vishay Dale	1 Ohms ±1% 2W Chip Resistor Wide 2512 (6432 Metric), 1225 Automotive AEC-Q200 Thick Film	2512
R600, R601	2	1	CRCW06031R00JNEA	Vishay-Dale	RES, 1.0, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R602	1	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R603, R604	2	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
R605, R606	2	0.2	WK73S3ATTER200F	KOA Speer	200 mOhms ±1% 1.5W Chip Resistor Wide 2512 (6432 Metric), 1225 Automotive AEC-Q200, Moisture Resistant Thick Film	1225
SH-J700, SH-J701, SH-J702, SH-J703	4		M7582-05	Harwin	Single Operation 2.54mm Pitch Open Top Jumper Socket	Single Operation 2.54mm Pitch Open Top Jumper Socket
TP500, TP501, TP502, TP503	4		5019	Keystone	Test Point, Miniature, SMT	Test Point, Miniature, SMT
U101, U201, U301, U401	4		LMG708B0VBTRQ1	Texas Instruments	LMG708B0VBTRQ1	VQFN-FCRLF21
C109, C125, C126, C209, C309, C409	0	0.1uF	CGA2B3X7R1E104K050BB	TDK	CAP, CERM, 0.1 µF, 25 V,+/- 10%, X7R, AEC-Q200 Grade 1, 0402	0402
C118, C119, C120, C218, C219, C220, C318, C319, C320, C418, C419, C420	0	150µF	TCQE157M016R0025E	KYOCERA AVX	Cap Tant Polymer 150uF 16VDC E CASE 20%(7.3 X 4.3 X 4.1mm) J Lead SMD 7343-43 0.025 Ohm 125C T/R	2917
La101, La201, La301, La401	0	4.7uH	VCHA105D-4R7MS6	Cyntec	IND SMD 4.7UH AUTO GRADE CHOKE	SMT_10MM85_10MM0
R102	0	10.0k	ERJPA2F1002X	Panasonic	RES, 10.0 k, 1%, 0.2 W, AEC-Q200 Grade 0, 0402	0402
R104, R121, R204, R304, R404	0	10.0k	RK73H1ETTP1002F	KOA Speer	RES, 10.0 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R105, R205, R305, R405	0	0	RK73Z1ETTP	KOA Speer	RES, 0, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R108, R207, R307, R407	0	54.9k	CRCW040254K9FKED	Vishay-Dale	RES, 54.9 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R114	0	150k	CRCW0402150KJNED	Vishay-Dale	RES, 150 k, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R115, R202, R302, R402	0	9.76k	CRCW04029K76FKED	Vishay-Dale	RES, 9.76 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R118	0	1.0k	ESR03EZPJ102	Rohm	RES, 1.0 k, 5%, 0.25 W, AEC-Q200 Grade 0, 0603	0603
T500, T501, T502, T503	0		CB70-14-CY	Panduit	Terminal 90A Lug	CB70-14-CY

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