PMP23421_PS REV C Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB100	1		PMP23421_PS	Any	Printed Circuit Board	
C100, C101, C102, C103, C104, C105, C122, C123, C124, C125, C126, C127, C128, C148, C149, C150, C151, C152, C153, C154, C155, C156, C157, C158, C159, C160, C161, C162, C163, C164, C165	31	4.7uF	GRJ31CC72A475KE01L		CAP CER 4.7UF 100V X7S 1206	1206
C106, C107, C108, C109, C110, C111, C112, C113, C114, C115, C116, C117, C118, C119, C120, C121	16	0.22uF	MBASH168SC7224KTCA01	Taiyo Yuden	CAP, CERM, 0.22 µF, 100 V,+/- 10%, X7S, AEC-Q200 Grade 1, 0603	603
C129, C130, C137, C138, C182, C183	6	0.1uF	0402YC104KAT2A	AVX	CAP, CERM, 0.1 µF, 16 V,+/- 10%, X7R, 0402	402
C131, C132, C133, C134, C139, C140, C141, C142	8	10pF	GRM1555C1H100JA01D	MuRata	CAP, CERM, 10pF, 50V, +/-5%, C0G/NP0, 0402	402
C135, C136, C143, C144	4	0.1uF	GRM033R61E104KE14J	MuRata	CAP, CERM, 0.1 uF, 25 V, +/- 10%, X5R, 0201	201
C145, C146, C147	3	22uF	63PFV22M6.3X8	Rubycon	CAP ALUM POLY HYB 22UF 63V SMD	SMT Radial D
C166, C167	2	0.1uF	GRM155R70J104KA01D	MuRata	CAP, CERM, 0.1 uF, 6.3 V, +/- 10%, X7R, 0402	402
C169, C177	2	10uF	GRM21BC71C106KE11L	MuRata	CAP, CERM, 10 µF, 16 V,+/- 10%, X7S, 0805	805
C170, C171, C173, C179	4	0.015uF	GCM155R71E153KA55D	AVX	CAP CER 0.015UF 25V X7R 0402	402
C172, C189	2	0.01uF	0402ZC103KAT2A	AVX	CAP, CERM, 0.01 µF, 10 V,+/- 10%, X7R, 0402	402
C174, C191	2	22uF	GRM21BZ71A226ME15L	MuRata	CAP, CERM, 22 uF, 10 V, +/- 20%, X7R, 0805	805
C175	1	0.1uF	CGA2B3X7R1E104K050BB	TDK	CAP, CERM, 0.1 µF, 25 V,+/- 10%, X7R, AEC-Q200 Grade 1, 0402	402
C185, C186	2	47pF	GRM1555C1H470FA01D	MuRata	CAP, CERM, 47 pF, 50 V,+/- 1%, C0G/NP0, 0402	402
C187	1	1uF	C1608X7R1C105K080AC	TDK	CAP, CERM, 1 µF, 16 V,+/- 10%, X7R, 0603	603
C188	1	0.1uF	GRM155R70J104KA01D	MuRata	CAP, CERM, 0.1uF, 6.3V, +/-10%, X7R, 0402	402
D102, D103	2		STPS30M100DJF-TR	STMicroelectronics	Diode 100 V 30A Surface Mount PowerFlat™ (5x6)	PowerFlat6
J100	1		M50-3900642	Harwin	Connector Header Through Hole, Right Angle 12 position 0.050" (1.27mm)	HDR12

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
L100	1	2.2uH	IHLP8787MZER2R2M5A	Vishay-Dale	Inductor, Shielded, 2.2 uH, 48 A, 0.00123 ohm, AEC-Q200 Grade 0, SMD	22x22.48mm
R100, R101, R111, R112	4	3.01	CRCW04023R01FKED	Vishay-Dale	RES, 3.01, 1%, 0.063 W, 0402	402
R102, R103, R119, R123	4	0.002	KRL2012E-M-R002-G-T5	Susumu Co Ltd	RES, 0.002, 2%, 1 W, 0508	508
R104, R105, R106, R107, R117, R118, R128	7	0	CRCW04020000Z0ED	Vishay-Dale	RES, 0, 5%, 0.063 W, 0402	402
R120, R122	2	100	RC0603FR-07100RL	Yageo America	RES, 100, 1%, 0.1 W, 0603	603
R127, R129	2	33.2k	CRCW040233K2FKED	Vishay-Dale	RES, 33.2 k, 1%, 0.063 W, 0402	402
R327, R328	2	1.00k	CRCW04021K00FKED	Vishay-Dale	RES, 1.00 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
TP100, TP101, TP102, TP103	4		5003	Keystone	Test Point, Miniature, Orange, TH	Orange Miniature Testpoint
TP104, TP105	2		5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
U100, U103	2		ISO6521REU	Texas Instruments	General Purpose Dual-Channel Functional Isolators	VSON8
U101, U102, U104, U105	4		LMG3100R017	Texas Instruments	100-V, 64-A GaN with Integrated Driver	VQFN-FCRLF15
U106	1		TLV71333PDBVR	Texas Instruments	150-mA, Low-Dropout Regulator with Foldback Current Limit for Portable Devices, DBV0005A (SOT-23-5)	DBV0005A
U107, U108	2		UCC33420	Texas Instruments	1.5W, High-Density, >3 kVRMS Isolated DC-DC Converter	VSON-FCRLF12
U109	1		TLV365DBVRQ1	Texas Instruments	CMOS Amplifier 1 Circuit Rail-to-Rail SOT-23-5	SOT-23-5
U110	1		INA296A3IDDF	Texas Instruments	-4-V to 110-V, Bidirectional, 1-MHz, 5V/µs, Ultra-Precise Current Sense Amplifier, SOT23-8	SOT23-8
VBAT100, VBAT101, VBAT-100, VBAT-101, VBAT-102, VBAT-103, VOUT100, VOUT101	8		3620-2-32-15-00-00-08-0	Mill-Max	PCB Pin, 0.04" DIA, Edge-Mount	PCB Pin, 0.04" DIA, Edge-Mount
C168, C176, C192	0	10pF	04025U100CAT2A	AVX	CAP, CERM, 10 pF, 50 V,+/- 2.5%, C0G/NP0, AEC-Q200 Grade 1, 0402	402
C180, C181	0	1800pF	GRM188R72A182KA01D	MuRata	CAP, CERM, 1800 pF, 100 V, +/- 10%, X7R, 0603	603
C184	0	68pF	06035A680JAT2A	AVX	CAP, CERM, 68 pF, 50 V,+/- 5%, C0G/NP0, 0603	603
D100, D101	0		STPS30M100DJF-TR	STMicroelectronics	Diode 100 V 30A Surface Mount PowerFlat™ (5x6)	PowerFlat6
R108, R109, R113, R114, R124	0	0	CRCW04020000Z0ED	Vishay-Dale	RES, 0, 5%, 0.063 W, 0402	402
R110, R121	0	100	RC0603FR-07100RL	Yageo America	RES, 100, 1%, 0.1 W, 0603	603
R115, R116	0	2.55	CRCW12062R55FKEA	Vishay-Dale	RES, 2.55, 1%, 0.25 W, AEC-Q200 Grade 0, 1206	1206

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