

Filename: BOM_PMP9365
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PMP9365 Bill of Materials

Designator	Description	Manufacturer	PartNumber	Quantity
!PCB1	Printed Circuit Board	Any	PMP9365	1
C1	CAP, CERM, 1uF, 25V, +/-10%, X5R, 0603	MuRata	GRM188R61E105KA12D	1
C2, C3	CAP, AL, 22uF, 16V, +/-20%, 1.8 ohm, SMD	Panasonic	EEE-FC1C220R	2
C4, C5, C6, C7, C8, C9, C10, C11	CAP, CERM, 47uF, 16V, +/-10%, X5R, 1210	MuRata	GRM32ER61C476KE15L	8
C12, C13	CAP, TA, 330uF, 2V, +/-20%, 0.006 ohm, SMD	Panasonic	EEF-SX0D331XE	2
C14, C15, C16, C17, C18, C80, C81, C82	CAP, CERM, 100uF, 6.3V, +/-20%, X5R, 1210	MuRata	GRM32ER60J107ME20L	8
C19, C22, C25, C79	CAP, CERM, 0.1uF, 25V, +/-10%, X5R, 0603	MuRata	GRM188R61E104KA01D	4
C20, C21	CAP, CERM, 100pF, 100V, +/-5%, C0G/NP0, 0603	MuRata	GRM1885C2A101JA01D	2
C23	CAP, CERM, 10uF, 25V, +/-20%, X5R, 0805	MuRata	GRM21BR61E106MA73	1
C24	CAP, CERM, 22uF, 6.3V, +/-20%, X5R, 0805	MuRata	GRM21BR60J226ME39L	1
C28, C29, C46, C55, C56	CAP, TA, 68uF, 16V, +/-20%, 0.05 ohm, SMD	Panasonic	16TQC68MYF	5
C30, C31, C47, C57, C58	CAP, CERM, 47uF, 16V, +/-20%, X5R, 1210	MuRata	GRM32ER61C476ME15L	5
C36, C37, C50, C63, C64	CAP, TA, 220uF, 6.3V, +/-20%, 0.009 ohm, SMD	Kemet	T520D227M006ATE009	5
C38, C39, C40, C41, C42, C43, C44, C45, C51, C52, C53, C54, C65, C66, C67, C68, C69, C70, C71, C72, C103, C104	CAP, CERM, 47uF, 6.3V, +/-20%, X5R, 1210	MuRata	GRM32ER60J476ME20L	22
C73	CAP, CERM, 4.7uF, 25V, +/-10%, X7R, 1206	TDK	C3216X7R1E475K	1
C74	CAP, AL, 100uF, 25V, +/-20%, 30 ohm, SMD	Panasonic	EEHZA1E101XP	1
C75	CAP, AL, 220uF, 2.5V, +/-20%, 0.009 ohm, SMD	Panasonic	EEF-UD0E221LR	1
C76, C77	CAP, CERM, 22uF, 25V, +/-10%, X5R, 1210	MuRata	GRM32ER61E226KE15L	2
C83	CAP, CERM, 3300pF, 50V, +/-10%, X7R, 0402	MuRata	GRM155R71H332KA01D	1
C85, C87	CAP, CERM, 2.2uF, 6.3V, +/-10%, X7S, 0603	MuRata	GRM188C70J225KE20D	2
C86, C88, C93, C95, C96, C100, C101, C102	CAP, CERM, 10uF, 6.3V, +/-20%, X5R, 0603	Kemet	C0603C106M9PACTU	8
C89, C91, C94	CAP, CERM, 1000pF, 100V, +/-5%, X7R, 0603	AVX	06031C102JAT2A	3
C98	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	MuRata	GCM188R71H104KA57B	1
C99	CAP, CERM, 10pF, 50V, +/-5%, C0G/NP0, 0603	AVX	06035A100JAT2A	1

Designator	Description	Manufacturer	PartNumber	Quantity
D1, D2	Diode, Zener, 5.1V, 300mW, SOD-523	Diodes Inc.	BZT52C5V1T-7	2
FID1, FID2, FID3, FID4, FID5, FID6	Fiducial mark. There is nothing to buy or mount.	N/A	N/A	6
H1, H2, H3, H4	Bumpon, Hemisphere, 0.44 X 0.20, Clear	3M	SJ-5303 (CLEAR)	4
J1, J2, J3, J4	Standard Banana Jack, Uninsulated	Keystone	6095	4
J5, J6, J7, J8, J9, J10	TERMINAL BLOCK 5.08MM VERT 2POS, TH	On-Shore Technology	ED120/2DS	6
L1	Inductor, Shielded, Composite, 10uH, 3A, 0.084 ohm, SMD	Coilcraft	XAL4040-103MEB	1
LBL1	Thermal Transfer Printable Labels, 0.650" W x 0.200" H - 10,000 per roll	Brady	THT-14-423-10	1
R1, R36	RES, 10.0 ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW060310R0FKEA	2
R4	RES, 0 ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW06030000Z0EA	1
R5	RES, 3.57k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW06033K57FKEA	1
R6, R7, R9, R15, R39, R44, R45	RES, 100k ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW0603100KJNEA	7
R8, R11	RES, 169k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW0603169KFKEA	2
R10, R14	RES, 121k ohm, 1%, 0.1W, 0603	Yageo America	RC0603FR-07121KL	2
R12	RES, 105k ohm, 0.1%, 0.1W, 0603	Yageo America	RT0603BRD07105KL	1
R13	RES, 20.0k ohm, 0.1%, 0.1W, 0603	Susumu Co Ltd	RG1608P-203-B-T5	1
R16, R17, R24, R28, R29	RES, 49.9 ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW060349R9FKEA	5
R18, R30	RES, 665 ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW0603665RFKEA	2
R19	RES, 511 ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW0603511RFKEA	1
R20, R32, R33	RES, 324k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW0603324KFKEA	3
R21	RES, 191k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW0603191KFKEA	1
R25	RES, 5.76k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW06035K76FKEA	1
R31	RES, 1.13k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW06031K13FKEA	1
R37	RES, 953 ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW0603953RFKEA	1
R38	RES, 487k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW0603487KFKEA	1
R40, R41	RES, 10.0k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW060310K0FKEA	2
R42	RES, 100k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW0603100KFKEA	1
R43	RES, 10 ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW060310R0JNEA	1
TP1, TP2, TP9, TP10, TP15, TP21, TP22, TP26, TP29, TP30, TP36	Test Point, Multipurpose, Red, TH	Keystone	5010	11
TP3, TP8, TP11, TP16, TP20, TP23, TP28, TP32, TP33, TP35	Test Point, Miniature, White, TH	Keystone	5002	10

Designator	Description	Manufacturer	PartNumber	Quantity
TP4, TP5, TP12, TP13, TP17, TP24, TP25, TP27, TP31, TP34, TP37	Test Point, Multipurpose, Black, TH	Keystone	5011	11
TP6, TP7, TP14, TP18, TP19, TP38	Test Point, Multipurpose, Orange, TH	Keystone	5013	6
U1	20A SIMPLE SWITCHER(R) Power Module with 3.0V-14.5V Input, RLG0072A	Texas Instruments	LMZ31520RLG	1
U2, U14	Power Sequencer, 6-pin SOT-23	National Semiconductor	LM3880MF-1AA	2
U3, U4, U5, U6, U7	3A SIMPLE SWITCHER Power Module with 4.5V-14.5V Input in QFN Package, RUQ0047A	Texas Instruments	LMZ31503RUQ	5
U8	4A SIMPLE SWITCHER Power Module with 2.95V-17V Input and Current Sharing in QFN Package, RVQ0042A	Texas Instruments	LMZ31704RVQ	1
U9, U10	IC, 500mA, Low Quiescent Current, Ultra-Low Noise, High PSRR LDO, xx-V	TI	TPS735xxDRB	2
U11	IC, Sink/Source DDR Termination Regulator	TI	TPS51200DRC	1
U12	IC, Single 2-Input Positive-OR Gate	TI	SN74AHC1G32DCK	1
U13	4.5V to 18V Input, 500mA Synchronous Step Down SWIFT Converter, DBV0005A	Texas Instruments	TPS560200DBV	1
U15	Single 2-Input Positive-AND Gate, DRL0005A	Texas Instruments	SN74AHC1G08DRL	1

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