PMP11184 REV A Bill of Materials



Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB200	1		Use PMP11184 REVA	Any	Printed Circuit Board	
C1, C3	2	2.2uF	GRM188R61C225KAAD	MuRata	CAP, CERM, 2.2 µF, 16 V, +/- 10%, X5R, 0603	0603
C2, C4	2	1uF	C1005X5R1C105K050BC	TDK	CAP, CERM, 1 µF, 16 V, +/- 10%, X5R, 0402	0402
C5, C6, C8, C9	4	22pF	C1005C0G1H220J050BA	TDK	CAP, CERM, 22 pF, 50 V, +/- 5%, C0G/NP0, 0402	0402
C7, C11, C19,	14	1000pF	C1005X7R1H102K	TDK	CAP, CERM, 1000 pF, 50 V, +/- 10%, X7R, 0402	0402
C26, C34, C41,		· ·				
C48, C55, C62,						
C69, C74, C80,						
C97, C109						
C10	1	3300pF	C1005X7R1H332K	TDK	CAP, CERM, 3300 pF, 50 V, +/- 10%, X7R, 0402	0402
C12, C13, C14,	14	22uF	GRM31CR61C226KE15L	MuRata	CAP, CERM, 22 µF, 16 V, +/- 10%, X5R, 1206	1206
C27, C28, C29,						
C42, C43, C56,						
C57, C77, C78,						
C94, C95						
C15, C16, C17,	21	4.7uF	GRM188R61C475KAAJ	MuRata	CAP, CERM, 4.7 μF, 16 V, +/- 10%, X5R, 0603	0603
C25, C30, C31,					o , o =, p ,	
C32, C40, C44,						
C45, C46, C54,						
C58, C59, C60,						
C68, C79, C84,						
C92, C96, C102						
C18, C33, C47,	6	0.1uF	06033C104JAT2A	AVX	CAP, CERM, 0.1 μF, 25 V, +/- 5%, X7R, 0603	0603
C61, C75, C90	U	0.101	0000001040/112/1	AVA	Ολί , ΟΕΙΝΝ, Ο. Τ μΙ , 25 ν, Τ/ 5/0, Χ/ΤΚ, 0000	0000
C20, C21, C35,	18	470uF	EEF-GX0E471R	Panasonic	CAP, Aluminum Polymer, 470 µF, 2.5 V, +/- 20%, 0.003 ohm,	SMD_7.3x1.9x4.3mm
C36, C49, C50,	10	77001	221 3/024/11	T dridooriio	SMD_7.3x1.9x4.3mm SMD	OWD_7.0X1.0X4.0Hilli
C63, C64, C82,					OND_7.5X1.5X4.5Hill OND	
C83, C100, C101,						
C200, C201,						
C202, C203,						
C202, C203, C204, C205						
0204, 0203						
C22, C23, C37,	16	100uF	JMK316BJ107ML-T	Taiyo Yuden	CAP, CERM, 100 μF, 6.3 V, +/- 20%, X5R, 1206	1206
C38, C51, C52,	10	Toour	OWING TODG TO FWE-T	Talyo Tudeli	ΟΛΙ, ΘΕΚΙΝΙ, 100 μΙ, 0.3 V, +/- 2070, ΛΟΙΚ, 1200	1200
C65, C66, C86,						
C87, C88, C89,						
C104, C105,						
C104, C103, C106, C107						
C24, C39, C53,	12	0.1uF	C1005X7R1H104K	TDK	CAP, CERM, 0.1 μF, 50 V, +/- 10%, X7R, 0402	0402
	12	o. rui-	01003A/K111104K	IDK	ΟΛΓ, ΘΕΝΝΙ, Ο. Ι μΓ, 50 V, τ/- 10%, Λ/ Κ, 0402	0402
C67, C76, C85,						
C103, C108,						
C206, C207,						
C208, C212	0	2205	CDM455D74Ll004K404D	MuData	CAD CEDM 220 % F. FO.V / 420/ VZD 2402	0.402
C70, C111	2	220pF	GRM155R71H221KA01D	MuRata	CAP, CERM, 220 pF, 50 V, +/- 10%, X7R, 0402	0402
C71, C110	2	1500pF	GRM155R71H152KA01D	MuRata	CAP, CERM, 1500 pF, 50 V, +/- 10%, X7R, 0402	0402
C72, C112	2	2200pF	C1005X7R1H222K	TDK	CAP, CERM, 2200 pF, 50 V, +/- 10%, X7R, 0402	0402
C73, C99	2	100pF	GRM1555C1H101JA01D	MuRata	CAP, CERM, 100 pF, 50 V, +/- 5%, C0G/NP0, 0402	0402

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C81, C98	2	1000pF	GRM188R61H102KA01D	MuRata	CAP, CERM, 1000 pF, 50 V, +/- 10%, X5R, 0603	0603
C91, C93	2	1uF	C1608X5R1E105K080AC	TDK	CAP, CERM, 1 µF, 25 V, +/- 10%, X5R, 0603	0603
C209, C210	2	47uF	293D476X9016D2TE3	Vishay-Sprague	CAP, TA, 47 µF, 16 V, +/- 10%, 0.7 ohm, SMD	7343-31
C209, C210, C211	3	220uF	EMZA160ADA221MF80G	Chemi-Con	CAP, AL, 220 µF, 16 V, +/- 20%, 0.34 ohm, SMD	F80
FID200, FID201, FID202	3		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial
J200	1		1715747	Phoenix Contact	Terminal Block, 5.08mm, 4x1, TH	Terminal Block, 5.08mm, 4x1, TH
J201, J202, J203, J204, J205, J206, J207, J208, J209, J210, J211, J212	12		108-0740-001	Emerson Network Power	Standard Banana Jack, Uninsulated, 15A	Banana Jack
J213, J214, J215, J216, J221	5		800-10-002-10-001000	Mill-Max	Header, 100mil, 2x1, TH	Header, 2x1, 100mil, TH
J217, J218, J219, J222	4		U.FL-R-SMT-1	Hirose Electric Co. Ltd.	Connector, Ultra-Mini Coaxial, SMD	Ultra small CO-AX SMD
J220	1		N2510-6002-RB	3M	Header (shrouded), 100mil, 5x2, High-Temperature, Gold, TH	5x2 Shrouded header
L1, L2, L3, L4, L5, L6	6	150nH	PA2607.151NLT	Pulse Engineering	Inductor, Ferrite, 150 nH, 41 A, 0.00029 ohm, SMD	10.31x7.65mm
Q200	1	30V	FDMC7660	Fairchild Semiconductor	MOSFET, N-CH, 30 V, 40 A, QFN-8	QFN-8
R1, R10	2	100	ERJ-2RKF1000X	Panasonic	RES, 100, 1%, 0.1 W, 0402	0402
R2, R4, R26, R29, R32, R35	6	2.2	CRCW04022R20JNED	Vishay-Dale	RES, 2.2, 5%, 0.063 W, 0402	0402
R3, R6, R40, R56	4	0	ERJ-2GE0R00X	Panasonic	RES, 0, 5%, 0.063 W, 0402	0402
R5	1	2.43k	CRCW04022K43FKED	Vishay-Dale	RES, 2.43 k, 1%, 0.063 W, 0402	0402
R7, R8, R204	3	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, 0402	0402
R9	1	4.64k	CRCW04024K64FKED	Vishay-Dale	RES, 4.64 k, 1%, 0.063 W, 0402	0402
R11	1	78.7k	CRCW040278K7FKED	Vishay-Dale	RES, 78.7 k, 1%, 0.063 W, 0402	0402
R12	1	22.6k	CRCW040222K6FKED	Vishay-Dale	RES, 22.6 k, 1%, 0.063 W, 0402	0402
R13	1	26.7k	CRCW040226K7FKED	Vishay-Dale	RES, 26.7 k, 1%, 0.063 W, 0402	0402
R14	1	9.31k	CRCW04029K31FKED	Vishay-Dale	RES, 9.31 k, 1%, 0.063 W, 0402	0402
R15	1	16.5k	CRCW040216K5FKED	Vishay-Dale	RES, 16.5 k, 1%, 0.063 W, 0402	0402
R16	1	61.9k	CRCW040261K9FKED	Vishay-Dale	RES, 61.9 k, 1%, 0.063 W, 0402	0402
R17, R22	2	20.0k	CRCW040220K0FKED	Vishay-Dale	RES, 20.0 k, 1%, 0.063 W, 0402	0402
R18, R19, R23	3	24.3k	CRCW040224K3FKED	Vishay-Dale	RES, 24.3 k, 1%, 0.063 W, 0402	0402
R20	1	39k	CRCW040239K0JNED	Vishay-Dale	RES, 39 k, 5%, 0.063 W, 0402	0402
R21	1	150k	CRCW0402150KFKED	Vishay-Dale	RES, 150 k, 1%, 0.063 W, 0402	0402
R24	1	48.7k	CRCW040248K7FKED	Vishay-Dale	RES, 48.7 k, 1%, 0.063 W, 0402	0402
R25	1	121k	CRCW0402121KFKED	Vishay-Dale	RES, 121 k, 1%, 0.063 W, 0402	0402
R27, R30, R33, R36, R46, R48	6	1.00	CRCW04021R00FKED	Vishay-Dale	RES, 1.00, 1%, 0.063 W, 0402	0402
R28, R31, R34, R37, R47, R52	6	1.00	CRCW06031R00FKEA	Vishay-Dale	RES, 1.00, 1%, 0.1 W, 0603	0603
R38, R54	2	10.0	CRCW040210R0FKED	Vishay-Dale	RES, 10.0, 1%, 0.063 W, 0402	0402
R39, R53	2	511	CRCW0402511RFKED	Vishay-Dale	RES, 511, 1%, 0.063 W, 0402	0402
R41, R55	2	10.0k	PCF0402-12-10KBT1	TT Electronics/IRC	RES, 10.0 k, 0.1%, 0.063 W, 0402	0402
R42, R57	2	4.99k	CRCW04024K99FKED	Vishay-Dale	RES, 4.99 k, 1%, 0.063 W, 0402	0402
R43, R58	2	15.0k	CRCW040215K0FKED	Vishay-Dale	RES, 15.0 k, 1%, 0.063 W, 0402	0402
R44, R59	2	OPEN	CRCW0402100KFKED	Vishay-Dale	RES, 100 k, 1%, 0.063 W, 0402	0402
R45	1	40.2k	CRCW040240K2FKED	Vishay-Dale	RES, 40.2k ohm, 1%, 0.063W, 0402	0402

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
R49	1	38.3k	CRCW040238K3FKED	Vishay-Dale	RES, 38.3k ohm, 1%, 0.063W, 0402	0402
R50	1	53.6k	CRCW040253K6FKED	Vishay-Dale	RES, 53.6 k, 1%, 0.063 W, 0402	0402
R51	1	OPEN	ERJ-2GE0R00X	Panasonic	RES, 0, 5%, 0.063 W, 0402	0402
R200, R201, R202, R203	4	49.9	CRCW040249R9FKED	Vishay-Dale	RES, 49.9, 1%, 0.063 W, 0402	0402
R205	1	0.01	ERJ-M1WSF10MU	Panasonic	RES, 0.01, 1%, 1 W, 2512	2512
U1	1	TPS53647R TAR	TPS53647RTAR	Texas Instruments	4-Phase, D-CAP+TM Step-Down Buck Controller with NVM and PMBus Interface, RTA0040B	RTA0040B
U2, U3, U4, U5	4	CSD95372B	CSD95372BQ5M	Texas Instruments	Synchronous Buck NexFET Power Stage, DQP0012A	DQP0012A
U6, U8	2		CSD95378BQ5M	Texas Instruments	Synchronous Buck NexFET Power Stage, DQP0012A	DQP0012A
U7	1		TPS40428RHA	Texas Instruments	Dual output, 2 phase, stackable PMBUS synchronous buck driverless controller, RHA0040B	RHA0040B

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