

PMP23340_C2K REV E3 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	IPCB1	1		PMP23340_C2K	Any	Printed Circuit Board	
2	C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C137, C138	12	4.7µF	C2012XR2A475K125AC	TDK	4.7 µF ±10% 100V Ceramic Capacitor XSR 0805 (2012 Metric)	0805
3	C11, C38, C42, C80, C83, C84	6	1uF	GRM033R61A105ME15D	MuRata	CAP_CERM, 1 uF, 10 V, +/- 20%, XSR, 0201	0201
4	C12, C13, C48, C50	4	0.1uF	16R07X104KV4T	Johanson Technology	CAP_CERM, 0.1 uF, 16 V, +/- 10%, XSR, 0402	0402
5	C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C51, C52, C53, C54, C55, C56, C57, C58, C59, C60, C61, C62, C66, C67, C68, C69, C70, C71, C72, C73, C74, C75, C76, C77	48	2.2µF	GRM155C81C225ME15D	Murata	Chip Multilayer Ceramic Capacitors for General Purpose, 0402, 2.2µF, X6S, 22%, 20%, 16V	0402
6	C39, C40, C41, C43, C44, C45, C46, C47, C49, C63, C64, C65, C78, C79, C81, C82	16	220nF	C1206C224K3JAC7800	KEMET	0.22 µF ±10% 25V Ceramic Capacitor U2J 1206 (3216 Metric)	1206
7	C85	1	0.01uF	GRM033R61E103KA12D	MuRata	CAP_CERM, 0.01 µF, 25 V, +/- 10%, XSR, 0201	0201
8	C86, C87, C92, C93, C94, C95, C129, C130, C131, C132	10	10pF	GRM0335C1H100JA01D	MuRata	CAP_CERM, 10 pF, 50 V, +/- 5%, COG/NP0, 0201	0201
9	C88, C89	2	2200pF	GRM033R71C222KA88D	MuRata	CAP_CERM, 2200 pF, 16 V, +/- 10%, X7R, 0201	0201
10	C90, C91	2	10pF	GJM0335C1E100JB01D	MuRata	CAP_CERM, 10 pF, 25 V, +/- 5%, COG/NP0, 0201	0201
11	C96	1	10µF	CC0603KRXSR6BB106	YAGEO	Cap Ceramic 10µF 10V XSR 10% SMD 0603 85C Paper 1/R	0603
12	C100, C133, C135, C136	4	0.1uF	GRM033Z71C104KE14D	MuRata	CAP_CERM, 0.1 uF, 16 V, +/- 10%, X7R, 0201	0201
13	C101	1	2.2uF	GRM188R61A225KE34D	MuRata	CAP_CERM, 2.2 uF, 10 V, +/- 10%, XSR, 0603	0603
14	C103, C104, C108, C109	4	1000pF	GRM033R71C102KA01D	MuRata	CAP_CERM, 1000 pF, 16 V, +/- 10%, X7R, 0201	0201
15	C105, C107	2	220pF	CGA1A2X7R1H221K030BA	TDK	CAP_CERM, 220 pF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0201	0201
16	C106	1	0.1uF	ATCS302104KT10T	AT Ceramics	CAP_CERM, 0.1 uF, 10 V, +/- 10%, XSR, 0201	0201
17	C115, C116, C117, C118, C119, C120, C121, C122	8	22uF	GRT21BR61E226ME13L	MuRata	CAP_CERM, 22 µF, 25 V, +/- 20%, XSR, AEC-Q200 Grade 3, 0805	0805
18	C123, C124, C125, C126, C127, C128	6	0.1uF	GRM155R62A104KE14D	MuRata	CAP_CERM, 0.1 uF, 100 V, +/- 10%, XSR, 0402	0402
19	C134	1	22uF	GRM187R61A226ME15D	MuRata	CAP_CERM, 22 uF, 10 V, +/- 20%, XSR, 0603	0603
20	Gnd1, Gnd2, Gnd3, Gnd4, Gnd5, Gnd6, Vin1, Vout1, Vout2, Vout3, Vout4, Vout5, Vout6	13		9621-0-32-15-00-00-08-0	Mill-Max	PCB Pin, 0.04" DIA, Edge-Mount	PCB Pin, 0.04" DIA, R/A, Edge-Mount
21	J1	1		ASP-231707-01	Samtec	Like part: FTSH-104-04L-D-RA	HDR8
22	L1, L2, L3, L4	4		BLM30A241SN1D	MuRata	Inductor, Ferrite Bead, Ferrite, 0.35 A, 0.38 ohm, SMD	0201
23	Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8	8				40V 1.1mE 90A	
24	R1, R11, R19, R22, R30, R38, R45	7		RC0201JR-070RL	Yageo	RES SMD 0 OHM JUMPER 1/20W 0201	0201 (0603 Metric)
25	R2, R6, R33, R35	4	10	RC0201JR-0710RL	Yageo America	RES, 10, 5%, 0.05 W, 0201	0201
26	R3, R5, R7, R37, R40, R41, R42, R43	8	2	RC0201FS-7D2RL	Yageo America	RES, 2.00, 1%, 0.05 W, 0201	0201
27	R9	1	1	RC0201FR-071RL	Yageo America	RES, 1.00, 1%, 0.05 W, 0201	0201
28	R10, R12	2	2.20k	CRCW02012K20FKED	Vishay-Dale	RES, 2.20 k, 1%, 0.05 W, 0201	0201
29	R13	1	100k	RG1006P-104-B-T5	Susumu Co Ltd	RES, 100 k, 0.1%, 0.063 W, 0402	0402
30	R14, R15, R28, R29	4	20	CRCW020120R0FNED	Vishay-Dale	RES, 20.0, 1%, 0.05 W, 0201	0201
31	R16, R26	2	1.00k	RC0201FS-7D1KL	Yageo America	RES, 1.00 k, 1%, 0.05 W, 0201	0201
32	R17, R25	2	14.0k	RC0402FR-0714KL	Yageo	RES, 14.0 k, 1%, 0.0625 W, 0402	0402
33	R18	1	24.3	RC0201FS-7D24R3L	Yageo America	RES, 24.3, 1%, 0.05 W, 0201	0201
34	R20	1	10k	RC0201JR-7D10KL	Yageo America	RES, 10 k, 5%, 0.05 W, 0201	0201
35	R21	1	150k	ERJ-2RKF1503X	Panasonic	RES, 150 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0402	0402
36	R23	1	2.80k	RC0201FR-072K8L	Yageo America	RES, 2.80 k, 1%, 0.05 W, 0201	0201
37	R24	1	8.66k	RC0201FR-078K66L	Yageo America	RES, 8.66 k, 1%, 0.05 W, 0201	0201
38	R27	1	5.11k	RC0201FR-075K11L	Yageo America	RES, 5.11 k, 1%, 0.05 W, 0201	0201
39	R31, R32	2	10k	RC0201JS-7D10KL	Yageo America	RES, 10 k, 5%, 0.05 W, 0201	0201
40	RT1, RT2	2		TMP6131DECT	Texas Instruments	Thermistor, DECO002A (XISON-2)	DECO002A
41	U1, U3, U4, U6	4		UCD7138DRS	Texas Instruments	UCD7xxx Low Side Power MOSFET Dvr with Body Diode Conduction Sensing_DRS0006A (WSON-6)	DRS0006A
42	U2, U5	2		LMG2100R044	Texas Instruments	LMG2100R044	VOFN-FCRLP16
43	U7	1		F2800157GRHBRQ1	Texas Instruments	Real-Time Microcontrollers VQFN32 TMS320C28x 32bit 120MHz	VOFN32
44	U8	1		TLV75533PDRVVR	Texas Instruments	500mA LDO, DRV0006A (WSON-6)	DRV0006A
45	U9	1		TLV365DBVR	Texas Instruments	CMOS Amplifier 1 Circuit Rail-to-Rail SOT-23-5	SOT-23-5
46	C97, C98, C99, C10, C11, C12, C13, C14	0	10pF	GRM0335C1H100JA01D	MuRata	CAP_CERM, 10 pF, 50 V, +/- 5%, COG/NP0, 0201	0201
47	R4, R8, R34, R36	0	5.11k	RC0201DR-075K11L	Yageo America	RES, 5.11 k, 0.5%, 0.05 W, 0201	0201
48	R39, R44	0		RC0201JR-070RL	Yageo	RES SMD 0 OHM JUMPER 1/20W 0201	0201 (0603 Metric)

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