

Variant: 001  
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## PMP23069\_C2000\_Connect REV A Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	PCB1	1		PMP23069_C2000_Connect	Any	Printed Circuit Board	
2	C1	1	1uF	8.85012E+11	Würth Elektronik	CAP, CERM, 1 uF, 16 V, +/- 20%, X5R, 0603	603
3	C2, C8	2	0.1uF	GRM155R60J104KA01D	MuRata	CAP, CERM, 0.1 uF, 6.3 V, +/- 10%, X5R, 0402	402
4	C3	1	0.1uF	GCM155R71C104KA55D	MuRata	CAP, CERM, 0.1 uF, 16 V, +/- 10%, X7R, 0402	402
5	C4	1	0.047uF	C1005X5R1A473K050BA	TDK	CAP, CERM, 0.047 uF, 10 V, +/- 10%, X5R, 0402	402
6	C5	1	10pF	04025U100CAT2A	AVX	CAP, CERM, 10 pF, 50 V, +/- 2.5%, C0G/NP0, AEC-Q200 Grade 1, 0402	402
7	C6	1	1uF	C1608X7R1E105K080AB	TDK	CAP, CERM, 1 uF, 25 V, +/- 10%, X7R, 0603	603
8	C7, C10, C14, C15, C16	5	470pF	CGA2B2X7R1H471K050BA	TDK	CAP, CERM, 470 pF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	402
9	C9	1	47pF	CGA2B2NP01H470J050BA	TDK	CAP, CERM, 47 pF, 50 V, +/- 5%, C0G/NP0, AEC-Q200 Grade 0, 0402	402
10	C11	1	0.01uF	GRM155R70J103KA01D	MuRata	CAP, CERM, 0.01 uF, 6.3 V, +/- 10%, X7R, 0402	402
11	C21	1	150pF	CGA2B2C0G1H151J050BA	TDK	CAP, CERM, 150 pF, 50 V, +/- 5%, C0G/NP0, AEC-Q200 Grade 1, 0402	402
12	C22	1	10pF	CGA2B2C0G1H100D050BA	TDK	CAP, CERM, 10 pF, 50 V, +/- 5%, C0G/NP0, AEC-Q200 Grade 1, 0402	402
13	C23, C24, C25	3	0.1uF	06033C104JAT2A	AVX	CAP, CERM, 0.1 uF, 25 V, +/- 5%, X7R, 0603	603
14	J1	1		HSEC8-160-01-L-DV-A-BL	Samtec	C2000 controlCARD-120HSEC connector, SMT	C2000 pin numbering
15	J2, J3	2		GRPB102VWVN-RC	Sullins Connector Solutions	Header, 1.27mm, 10x2, Gold, TH	Header, 1.27mm, 10x2, TH
16	Q1	1	60V	2V7002KT1G	ON Semiconductor	MOSFET, N-CH, 60 V, 0.32 A, AEC-Q101, SOT-23	SOT-23
17	R1, R6	2	8.66k	CRCW06038K66FKEA	Vishay-Dale	RES, 8.66 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
18	R2	1	200	CRCW0402200RFKED	Vishay-Dale	RES, 200, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
19	R3, R7	2	10k	CRCW040210K0JNED	Vishay-Dale	RES, 10 k, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	402
20	R5	1	56.2	CRCW040256R2FKED	Vishay-Dale	RES, 56.2, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
21	R8	1	100	CRCW0402100RFKED	Vishay-Dale	RES, 100, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
22	R9, R14, R28, R29	4	7.50k	CRCW04027K50FKED	Vishay-Dale	RES, 7.50 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
23	R10	1	5.11k	CRCW04025K11FKED	Vishay-Dale	RES, 5.11 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
24	R11, R25	2	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
25	R12, R17, R18, R31	4	0	CRCW04020000Z0ED	Vishay-Dale	RES, 0, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	402
26	R13, R15	2	1.0k	CRCW04021K00JNED	Vishay-Dale	RES, 1.0 k, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	402
27	R16	1	4.99k	CRCW04024K99FKED	Vishay-Dale	RES, 4.99 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
28	R19, R22	2	10.0k	ERJ-2RKF1002X	Panasonic	RES, 10.0 k, 1%, 0.1 W, 0402	402
29	R21	1	9.31k	CRCW04029K31FKED	Vishay-Dale	RES, 9.31 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
30	R30	1	1.50k	CRCW04021K50FKED	Vishay-Dale	RES, 1.50 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
31	RT1	1		TMP6131DECR	Texas Instruments	Thermistor, DEC0002A (X1SON-2)	DEC0002A
32	U1	1		SN74LVC1G3157DRYR	Texas Instruments	1-Channel, 2:1 Analog Switch, DRY0006A (USON-6)	DRY0006A
33	U2	1		OPA2376AIDG4	Texas Instruments	Precision, Low Noise, Low Quiescent Current Operational Amplifier, 2 to 5.5 V, -40 to 125 degC, 8-pin SOIC (D0008A), Green (RoHS & no Sb/Br)	D0008A
34	U5	1		REF2033AIDDCR	Texas Instruments	Low-Drift, Low-Power, Dual-Output VREF and VREF/2 Voltage Reference, DDC0005A (SOT-23-T-5)	DDC0005A
35	R4	0	4.87k	ERA-2AEB4871X	Panasonic	RES, 4.87 k, 0.1%, 0.062 W, AEC-Q200 Grade 0, 0402	402