

Variant: 001
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PMP23061 REV B Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	C1, C2, C11, C22	4	4.7uF	CGA5L3X7R1H475K160AE	TDK	CAP, CERM, 4.7 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1206	1206
2	C3, C24, C25, C28	4	0.1uF	CGA3E2X7R1H104K080AA	TDK	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	603
3	C4	1	1uF	GCM188R71E105KA64D	MuRata	CAP, CERM, 1 uF, 25 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	603
4	C5	1	47pF	CGA2B2C0G1H470J050BA	TDK	CAP, CERM, 47 pF, 50 V, +/- 5%, C0G/NP0, AEC-Q200 Grade 1, 0402	402
5	C6	1	2200pF	GCM155R71H222KA37D	MuRata	CAP, CERM, 2200 pF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	402
6	C7	1	1uF	GCM188R71C105MA64D	MuRata	CAP, CERM, 1 uF, 16 V, +/- 20%, X7R, AEC-Q200 Grade 1, 0603	603
7	C8, C9	2	100pF	CGA2B2C0G1H101J050BA	TDK	CAP, CERM, 100 pF, 50 V, +/- 5%, C0G/NP0, AEC-Q200 Grade 1, 0402	402
8	C10, C17	2	1uF	CGA4J3X7R1H105K125AB	TDK	CAP, CERM, 1 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0805	805
9	C12, C13, C18, C19	4	4.7uF	CGA6P3X7R1H475K250AB	TDK	CAP, CERM, 4.7 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1210	1210
10	C14, C15, C20, C21	4	0.033uF	CGA4J2C0G1H333J125AA	TDK	CAP, CERM, 0.033 uF, 50 V, +/- 5%, C0G/NP0, AEC-Q200 Grade 1, 0805	805
11	C21	1	1uF	CGA3E1X7R1E105K080AC	TDK	CAP, CERM, 1 uF, 25 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	603
12	C23	1	33uF	HHXA500ARA330MF80G	Chemi-Con	CAP, Aluminum Polymer, 33 uF, 50 V, +/- 20%, 0.04 ohm, AEC-Q200 Grade 1, D6.3xL7.7mm SMD	D6.3xL7.7mm
13	C26	1	10uF	CGA5L1X7R1H106K160AE	TDK	CAP, CERM, 10 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1206	1206
14	C27	1	1uF	UMK316B7105KLHT	Taiyo Yuden	CAP, CERM, 1 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1206	1206
15	D1, D3, D4, D5, D6, D7, D8, D9, D10	9	60V	PMEG6010CEGWJ	Nexperia	Diode, Schottky, 60 V, 1 A, AEC-Q101, SOD-123	SOD-123
16	D2	1	8.2V	MMSZ4694-HE3-08	Vishay-Semiconductor	Diode, Zener, 8.2 V, 500 mW, AEC-Q101, SOD-123	SOD-123
17	J1, J2	2		ED555/2DS	On-Shore Technology	Terminal Block, 3.5mm Pitch, 2x1, TH	7.0x8.2x6.5mm
18	J3, J4, J5, J6	4		6.91214E+11	Würth Elektronik	Terminal Block, 2x1, Brass, TH	Terminal Block, 2-Leads, Body 10x8.3mm, Pitch 5mm
19	L1	1		SPM7054VT-150M-D	TDK	SMD Power Inductor	STM_7MM5_7MM0
20	L2	1		ETQP3M4R7KVN	Panasonic	4.7uH Shielded Inductor 5.6A 31.9 mOhm Max 2-SMD, J-Lead	SMT_6MM4_6MM0
21	L3	1		DLW5BTH142TQ2L	Murata	Wire Wound Chip Common Mode Choke Coil	SMT_5MM0_5MM0
22	Q1, Q3	2	40 V	SMMBT2222ALT1G	ON Semiconductor	Transistor, NPN, 40 V, 0.6 A, AEC-Q101, SOT-23	SOT-23
23	Q2	1		SQ7414CENW	Vishay	N-Channel 18A (Tc) 62W (Tc) Surface Mount PowerPAK® 1212-8W	PowerPAK_1212-8W-SINGLE
24	R1	1	2.21k	CRCW12062K21FKEA	Vishay-Dale	RES, 2.21 k, 1%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
25	R2	1	140k	CRCW0603140KFKEA	Vishay-Dale	RES, 140 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
26	R3	1	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
27	R4	1	50	CRCW060350R0FKEA	Vishay-Dale	RES, 50, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
28	R5	1	24.3k	CRCW040224K3FKED	Vishay-Dale	RES, 24.3 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
29	R6	1	3.01	CRCW06033R01FKEA	Vishay-Dale	RES, 3.01, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
30	R7	1	6.04k	CRCW04026K04FKED	Vishay-Dale	RES, 6.04 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
31	R8	1	1.00k	CRCW04021K00FKED	Vishay-Dale	RES, 1.00 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
32	R9	1	49.9k	CRCW040249K9FKED	Vishay-Dale	RES, 49.9 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
33	R10	1	0.1	ERJ-L1WKF10CU	Panasonic	RES, 0.1, 1%, 1 W, 2512	2512
34	R11	1	3.01k	CRCW04023K01FKED	Vishay-Dale	RES, 3.01 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
35	R12, R16	2	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
36	R13	1	3.24k	CRCW04023K24FKED	Vishay-Dale	RES, 3.24 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
37	R14	1	11.0k	CRCW040211K0FKED	Vishay-Dale	RES, 11.0 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
38	R15	1	100k	CRCW0402100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
39	R17	1	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
40	R18, R19, R20, R21	4	20.0k	CRCW120620K0FKEA	Vishay-Dale	RES, 20.0 k, 1%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
41	R24, R25	2	0	CRCW12060000Z0EA	Vishay-Dale	RES, 0, 5%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
42	R26	1	1	CRCW06031R00FKEA	Vishay-Dale	RES, 1.00, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
43	T1, T2, T3, T4	4		750319177	Würth Electronics	Transformer, 1:1.67, 0.045Ohm Pri, 0.122 Sec, 16.5uH, 13.36x10.16x8.64mm	SMT_XFRMR_13MM36_10MM16
44	TP1, TP2, TP3, TP8, TP9, TP10, TP12, TP15, TP16	9		5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
45	TP4, TP5, TP7, TP13, TP14, TP17, TP18	7		5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
46	TP6	1		5012	Keystone	Test Point, Multipurpose, White, TH	White Multipurpose Testpoint
47	TP11	1		5014	Keystone	Test Point, Multipurpose, Yellow, TH	Yellow Multipurpose Testpoint
48	U1	1		UCC2803QDRQ1	Texas Instruments	Automotive Low-Power BiCMOS Current-Mode PWM, D0008A (SOIC-8)	D0008A
49	U2	1		UCC25800DGNRQ1	Texas Instruments	Open Loop LLC Transformer Driver for Isolated Bias Supplies	VSSOP8
50	R22, R23	0	0	CRCW12060000Z0EA	Vishay-Dale	RES, 0, 5%, 0.25 W, AEC-Q200 Grade 0, 1206	1206

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