

Filename: PMP30224RevB - BoM.xls
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PMP30224 REV B Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	C1, C12	2	47uF	EEE-FK1H470P	Panasonic	CAP, AL, 47 uF, 50 V, +/- 20%, 0.68 ohm, AEC-Q200 Grade 2, SMD	SMT Radial E
2	C2, C13	2	4.7uF	GRM319R61H475KA12	MuRata	CAP, CERM, 4.7 uF, 50 V, +/- 10%, X5R, 1206	1206
3	C3, C9, C10, C14	4	0.1uF	GRM188R71H104KA93D	MuRata	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, 0603	0603
4	C4, C5, C15, C16	4	22uF	GRM32ER61C226ME20L	MuRata	CAP, CERM, 22 uF, 16 V, +/- 20%, X5R, 1210	1210
5	C6, C17	2	220pF	GRM188R71H221KA01D	MuRata	CAP, CERM, 220 pF, 50 V, +/- 10%, X7R, 0603	0603
6	C8, C18	2	0.01uF	GRM188R71H103KA01D	MuRata	CAP, CERM, 0.01 uF, 50 V, +/- 10%, X7R, 0603	0603
7	C11, C23	2	0.22uF	GRM188R71E224KA88D	MuRata	CAP, CERM, 0.22 uF, 25 V, +/- 10%, X7R, 0603	0603
8	C20	1	2700pF	GRM188R71H272KA01D	MuRata	CAP, CERM, 2700 pF, 50 V, +/- 10%, X7R, 0603	0603
9	C21, C22	2	1uF	GRM185R61C105KE44D	MuRata	CAP, CERM, 1 uF, 16 V, +/- 10%, X5R, 0603	0603
10	D1, D2	2	50V	SS3P5L	Vishay-Semiconductor	Diode, Schottky, 50 V, 3 A, TO-277A	TO-277A
11	FID1, FID2, FID3, FID4	4		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	N/A
12	J1, J2	2		61300211121	Würth Elektronik	Header, 2.54 mm, 2x1, Gold, TH	Header, 2.54mm, 2x1, TH
13	L1, L2	2	22uH	XAL6060-223MEB	Coilcraft	Inductor, Shielded, Composite, 22 uH, 5.6 A, 0.06 ohm, SMD	IND_6.4x6.1x6.6
14	P1, P2, P3, P4, P5, P6	6		ED555/2DS	On-Shore Technology	Terminal Block, 3.5mm Pitch, 2x1, TH	7.0x8.2x6.5mm
15	R1	1	147k	CRCW0603147KFKEA	Vishay-Dale	RES, 147 k, 1%, 0.1 W, 0603	0603
16	R2, R10, R13	3	52.3k	CRCW060352K3FKEA	Vishay-Dale	RES, 52.3 k, 1%, 0.1 W, 0603	0603
17	R3	1	51.1k	CRCW060351K1FKEA	Vishay-Dale	RES, 51.1 k, 1%, 0.1 W, 0603	0603
18	R4	1	174k	CRCW0603174KFKEA	Vishay-Dale	RES, 174 k, 1%, 0.1 W, 0603	0603
19	R5, R8, R12, R15	4	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
20	R6	1	12.7k	CRCW060312K7FKEA	Vishay-Dale	RES, 12.7 k, 1%, 0.1 W, 0603	0603
21	R7, R14	2	40.2k	CRCW060340K2FKEA	Vishay-Dale	RES, 40.2 k, 1%, 0.1 W, 0603	0603
22	R9	1	165k	CRCW0603165KFKEA	Vishay-Dale	RES, 165 k, 1%, 0.1 W, 0603	0603
23	R11	1	69.8k	CRCW060369K8FKEA	Vishay-Dale	RES, 69.8 k, 1%, 0.1 W, 0603	0603
24	TP1, TP3, TP5, TP7	4		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
25	TP2, TP4, TP6, TP8	4		5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
26	U1	1		TPS54540DDA	Texas Instruments	42V, 5A, Step-Down Regulator with Integrated High Side MOSFET, DDA0008E (SOIC-8)	DDA0008E
27	U2	1		TLV71318PDBVR	Texas Instruments	150-mA, Low-Dropout Regulator with Foldback Current Limit for Portable Devices, DBV0005A (SOT-5)	DBV0005A
28	U3	1		TPS54531DDAR	Texas Instruments	3.5V to 28V Input, 5A, 570kHz Step-Down Converter with Eco-mode, DDA0008E (SOIC-8)	DDA0008E
29	U4	1		TLV70018DDCR	Texas Instruments	Single Output LDO, 200 mA, Fixed 1.8 V Output, 2 to 5.5 V Input, with Low IQ, 5-pin SOT (DDC), -40 to 125 degC, Green (RoHS & no Sb/Br)	DDC0005A

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