



### PMP10630 REV 1 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	!PCB1	1		PMP10630	Any	Printed Circuit Board	
2	C1	1	4.7uF	GRM31CR71E475KA88L	MuRata	CAP, CERM, 4.7 µF, 25 V, +/- 10%, X7R, 1206	1206
3	C2	1	100uF	EEHZA1E101XP	Panasonic	CAP, AL, 100 µF, 25 V, +/- 20%, 30 ohm, SMD	6.3x7.7
4	C3, C4, C5, C13, C19, C29	6	22uF	GRM32ER71E226KE15L	MuRata	CAP, CERM, 22 µF, 25 V, +/- 10%, X7R, 1210	1210
5	C6, C16, C24, C25, C26, C28, C32, C34	8	0.1uF	C1608X7R1E104K	TDK	CAP, CERM, 0.1 µF, 25 V, +/- 10%, X7R, 0603	0603
6	C7	1	220uF	10TPE220ML	Panasonic	CAP, TA, 220 µF, 10 V, +/- 20%, 0.025 ohm, SMD	7.3x2.8x4.3mm
7	C8, C9, C10, C11	4	100uF	C3225X5R0J107M	TDK	CAP, CERM, 100 µF, 6.3 V, +/- 20%, X5R, 1210	1210
8	C12, C15, C22, C23, C31, C36	6	3300pF	GRM155R71H332KA01D	MuRata	CAP, CERM, 3300 pF, 50 V, +/- 10%, X7R, 0402	0402
9	C14, C20, C30, C35	4	22uF	GRM21BR61E226ME44	MuRata	CAP, CERM, 22 µF, 25 V, +/- 20%, X5R, 0805	0805
10	C17, C18, C21, C27	4	4.7uF	CGB3B1X5R1A475K055AC	TDK	CAP, CERM, 4.7 µF, 10 V, +/- 10%, X5R, 0603	0603
11	C33	1	330uF	EEF-GX0D331R	Panasonic	CAP, TA, 330 µF, 2 V, +/- 20%, 0.003 ohm, SMD	SMD_7.3x1.9x4.3mm
12	FID1, FID2, FID3, FID4, FID5, FID6	6		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial
13	GND, GND2, VCCINT, VIN	4	Double	1502-2	Keystone	Terminal, Turret, TH, Double	Keystone1502-2
14	H1, H2, H3, H4	4		NY PMS 440 0025 PH	B&F Fastener Supply	Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	Screw
15	H5, H6, H7, H8	4		1902C	Keystone	Standoff, Hex, 0.5"L #4-40 Nylon	Standoff
16	J1	1		PEC02SAAN	Sullins Connector Solutions	Header, 100mil, 2x1, Tin, TH	Header, 2 PIN, 100mil, Tin
17	R1	1	1.00Meg	CRCW06031M00FKEA	Vishay-Dale	RES, 1.00 M, 1%, 0.1 W, 0603	0603
18	R2	1	2.87k	CRCW06032K87FKEA	Vishay-Dale	RES, 2.87 k, 1%, 0.1 W, 0603	0603
19	R3, R10, R11, R12, R15	5	100k	CRCW0603100KJNEA	Vishay-Dale	RES, 100k ohm, 5%, 0.1W, 0603	0603
20	R4	1	147k	CRCW0603147KFKEA	Vishay-Dale	RES, 147 k, 1%, 0.1 W, 0603	0603
21	R5, R9	2	118k	CRCW0603118KFKEA	Vishay-Dale	RES, 118 k, 1%, 0.1 W, 0603	0603
22	R6	1	931	RT0603BRD07931RL	Yageo America	RES, 931, 0.1%, 0.1 W, 0603	0603
23	R7	1	29.4k	CRCW060329K4FKEA	Vishay-Dale	RES, 29.4 k, 1%, 0.1 W, 0603	0603
24	R8	1	4.99k	CRCW06034K99FKEA	Vishay-Dale	RES, 4.99 k, 1%, 0.1 W, 0603	0603
25	R13	1	1.21Meg	CRCW06031M21FKEA	Vishay-Dale	RES, 1.21 M, 1%, 0.1 W, 0603	0603
26	R14	1	383k	CRCW0603383KFKEA	Vishay-Dale	RES, 383 k, 1%, 0.1 W, 0603	0603
27	TP1, TP3, TP4, TP5, TP7, TP11, TP13, TP16	8	Red	5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
28	TP2, TP6, TP8, TP9, TP10, TP12, TP14, TP17	8	Black	5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
29	TP15	1	White	5002	Keystone	Test Point, Miniature, White, TH	White Miniature Testpoint
30	U1	1		LMZ31704RVQ	Texas Instruments	4A SIMPLE SWITCHER Power Module with 2.95V-17V Input and Current Sharing in QFN Package, RVQ0042A	RVQ0042A
31	U2, U5	2		LMZ21701SIL	Texas Instruments	1A SIMPLE SWITCHER Nano Module with 17V Maximum Input Voltage, SIL0008E	SIL0008E

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32	U3	1		TPS73512DRBR	Texas Instruments	Single Output High PSRR LDO, 500 mA, Fixed 1.2 V Output, 2.7 to 6.5 V Input, with Low IQ, 8-pin SON (DRB), -40 to 125 degC, Green (RoHS & no Sb/Br)	DRB0008A
33	U4	1		TPS74701DRCR	Texas Instruments	Single Output LDO, 500 mA, Adjustable 0.8 to 3.6 V Output, 0.8 to 5.5 V Input, with Programmable Soft Start, 10-pin SON (DRC), -40 to 125 degC, Green (RoHS & no Sb/Br)	DRC0010A
34	U6	1		TPS22901YFP	Texas Instruments	ULTRA SMALL, LOW INPUT VOLTAGE, LOW rON, LOAD SWITCHES, YFP0004AAAA	YFP0004AAAA
35	U7	1		LP3991TL-1.5/NOPB	Texas Instruments	300mA Linear Voltage Regulator for Digital Applications, 4-pin Micro SMD, Pb-Free	TLA04ZTA
36	U8	1		LMZ21700SIL	Texas Instruments	650mA SIMPLE SWITCHER Nano Module with 17V Maximum Input Voltage, SIL0008E	SIL0008E
37	U9	1		LM3880QMF-1AA/NOPB	Texas Instruments	Power Sequencer, 6-pin SOT-23, Pb-Free	MF06A
38	U10	1		SN74AHC1G08DRL	Texas Instruments	Single 2-Input Positive-AND Gate, DRL0005A	DRL0005A
39	U11	1		LP2998QMR/NOPB	Texas Instruments	DDR-I and DDR-II Termination Regulator, 8-pin PSOP, Pb-Free	MRA08A

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