Variant: 001

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TID #: PMP10740



## PMP10740 REV A Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	!PCB?	1		PMP7935	Any	PMP7935 REV B	N/A
2	C1, C2, C3, C4,	8	10uF	GRM31CR61E106KA12L	MuRata	CAP, CERM, 10uF, 25V, +/-10%, X5R, 1206	1206
_	C5, C6, C7, C8					, , , ,	
3	C9, C41	2	100pF	GRM1555C1H101JA01D	MuRata	CAP, CERM, 100pF, 50V, +/-5%, C0G/NP0, 0402	0402
4	C10, C23, C40	3	0.1uF	GRM155R71C104KA88D	MuRata	CAP, CERM, 0.1uF, 16V, +/-10%, X7R, 0402	0402
5	C11, C12, C13,	22	100uF	GRM31CR60J107ME39L	MuRata	CAP, CERM, 100uF, 6.3V, +/-20%, X5R, 1206	1206
	C14, C15, C16,					,, ,,,	
	C17, C18, C19,						
	C20, C21, C26,						
	C27, C28, C29,						
	C30, C31, C32,						
	C33, C34, C35,						
	C36						
6	C22	1	0.047uF	GRM155R71C473KA01D	MuRata	CAP, CERM, 0.047uF, 16V, +/-10%, X7R, 0402	0402
7	C24	1	680pF	C1608C0G1H681J	TDK	CAP, CERM, 680pF, 50V, +/-5%, C0G/NP0, 0603	0603
8	C25	1	390pF	GRM1555C1H391JA01D	MuRata	CAP, CERM, 390pF, 50V, +/-5%, C0G/NP0, 0402	0402
9	C37	1	6800pF	GRM155R71E682KA01D	MuRata	CAP, CERM, 6800pF, 25V, +/-10%, X7R, 0402	0402
10	C38	1	0.01uF	GRM155R71E103KA01D	MuRata	CAP, CERM, 0.01 µF, 25 V, +/- 10%, X7R, 0402	0402
11	C39	1	4.7uF	GRM155R60J475ME87D	MuRata	CAP, CERM, 4.7uF, 6.3V, +/-20%, X5R, 0402	0402
12	C42	1	2.2uF	GRM188R61C225KE15D	MuRata	CAP, CERM, 2.2uF, 16V, +/-10%, X5R, 0603	0603
13	D1	1	0.55V	SDM20U40-7-F	Diodes Inc.	Diode, Schottky, 40V, 0.25A, SOD-523	SOD-523
14	FID1, FID2, FID3,	6		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial
	FID4, FID5, FID6					and the state of t	
15	H1, H2, H5, H6	4		1902C	Keystone	Standoff, Hex, 0.5"L #4-40 Nylon	Standoff
16	H3, H4, H7, H8	4		NY PMS 440 0025 PH	B&F Fastener Supply	Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	Screw
17	J1	1	2x1	1715721	Phoenix Contact	Conn Term Block, 2POS, 5.08mm PCB	PhoenixContact 171
							5721
18	J2, J3	2	50 ohm	A-1JB	Amphenol	Connector, RF Jack, Vertical, Gold, SMD	A-1JB
19	L1	1	0.25uH	744301025	Wurth Elektronik eiSos	Inductor, MnZn Ferrite, WE-HCM, 0.25uH, 40A, 0.00032 ohm, SMD	WE-HCM-1190
20	LBL1	1		THT-14-423-10	Brady	Thermal Transfer Printable Labels, 0.650" W x 0.200" H - 10,000 per roll	PCB Label 0.650"H x 0.200"W
21	Q1, Q2	2		CSD87350Q5D	Texas Instruments	NexFET Power Block, 30V, 40A, SON 5mm x 6mm	
22	Q3	1	0.2V	MMBT3904	Diodes Inc.	Transistor, NPN, 40V, 0.2A, SOT-523	SOT-523
23	R1, R2	2	6.81k	CRCW04026K81FKED	Vishay-Dale	RES, 6.81k ohm, 1%, 0.063W, 0402	0402
24	R3	1	2.15k	CRCW04022K15FKED	Vishay-Dale	RES, 2.15k ohm, 1%, 0.063W, 0402	0402
25	R4	1	100	CRCW0402100RFKED	Vishay-Dale	RES, 100 ohm, 1%, 0.063W, 0402	0402
26	R5	1	3.01k	CRCW04023K01FKED	Vishay-Dale	RES, 3.01k ohm, 1%, 0.063W, 0402	0402
27	R6	1	4.42k	CRCW04024K42FKED	Vishay-Dale	RES, 4.42 k, 1%, 0.063 W, 0402	0402
28	R7	1	1.50k	CRCW04021K50FKED	Vishay-Dale	RES, 1.50 k, 1%, 0.063 W, 0402	0402
29	R8	1	2.2	CRCW08052R20JNEA	Vishay-Dale	RES, 2.2 ohm, 5%, 0.125W, 0805	0805
30	R9	1	45.3k	CRCW040245K3FKED	Vishay-Dale	RES, 45.3k ohm, 1%, 0.063W, 0402	0402
31	R10	1	10.0	CRCW040210R0FKED	Vishay-Dale	RES, 10.0 ohm, 1%, 0.063W, 0402	0402
32	R11	1	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0k ohm, 1%, 0.063W, 0402	0402
33	R12	1	29.4k	CRCW040229K4FKED	Vishay-Dale	RES, 29.4 k, 1%, 0.063 W, 0402	0402
34	R13	1	10k	CRCW040210K0JNED	Vishay-Dale	RES, 10k ohm, 5%, 0.063W, 0402	0402
35	R14	1	82.5k	CRCW040282K5FKED	Vishay-Dale	RES, 82.5k ohm, 1%, 0.063W, 0402	0402
36	R15	1	2.2	CRCW04022R20JNED	Vishay-Dale	RES, 2.2 ohm, 5%, 0.063W, 0402	0402
37	R16, R17	2	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9 ohm, 1%, 0.1W, 0603	0603
38	T1, T2	2	50A	CB35-36-CY	Panduit	Terminal 50A Lug	CB35-36-CY
39	TP1, TP3, TP5, TP9	4	Triple	1598-2	Keystone	Terminal, Turret, TH, Triple	Keystone1598-2
40	TP2, TP6	2	Red	5000	Keystone	Test Point, TH, Miniature, Red	Keystone5000
41	TP4, TP8, TP10, TP12, TP14	5	Black	5001	Keystone	Test Point, TH, Miniature, Black	Keystone5001
42	TP7, TP11, TP13	3	White	5002	Keystone	Test Point, TH, Miniature, White	Keystone5002
43	U1	1		LM27403SQX/NOPB	Texas Instruments	Synchronous Buck Controller With Temperature-Compensated, Inductor-	
						DCR-Based Overcurrent Protection and Programmable Thermal Shutdown, RTW0024A	

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