

# PMP4397 Bill of Materials

Item	Qty	Reference	Value	Part Description	Manufacturer	Manufacturer Part Number	PCB Footprint
1	8	C1, C2, C3, C5, C10, C12, C13, C15	0.1uF	CAP, CERM, 0.1uF, 25V, +/-10%, X7R	MuRata	GRM188R71E104KA01D	0603
2	7	C4, C6, C7, C8, C17, C18, C19	10uF	CAP, CERM, 10uF, 25V, +/-10%, X7R	MuRata	GRM31CR71E106KA12L	1206
3	3	C9, C14, C16	2.2uF	CAP, CERM, 2.2uF, 16V, +/-10%, X7R	MuRata	GRM219R71C225KE15	0805
4	1	C11	0.01uF	CAP, CERM, 0.01uF, 25V, +/-10%, X7R	MuRata	GRM188R71E103KA01D	0603
5	5	C20, C21, C22, C23, C24	1000pF	CAP, CERM, 1000pF, 50V, +/-5%, COG/NPO	MuRata	GRM1885C1H102JA01D	0603
6	1	D1	BAT54C-7-F	Diode, Schottky, 30V, 0.2A, SOT-23	Diodes Inc.	BAT54C-7-F	SOT-23
7	1	D2	LTST-C171GKT	LED, Green, SMD	Lite-On	LTST-C171GKT	
8	2	J1, J2	1-1123723-3	Header, 3x1, 156mil, Vertical, Tin, TH	TE Connectivity	1-1123723-3	
9	1	J3	5-534206-1	Connector, Receptacle, 100mil, 2x1, Gold plated, TH	TE Connectivity	5-534206-1	
10	1	L1	2.2uH	Inductor, Shielded Drum Core, Ferrite, 2.2uH, 1.8A, 0.057 ohm, SMD	Wurth Elektronik eiSos	744025002	
11	2	L2, L3	IND_750313475	Inductor, Common Mode Choke, TC29 9*3*5, 7T:8T	B & F Electronics Co., Ltd.	TC29 9*3*5, 7T:8T	
12	2	Q1, Q2	CSD17313Q2	MOSFET, N-CH, 30V, 5A	Texas Instruments	CSD17313Q2	SON 2x2mm
13	1	Q3	CSD25310Q2	MOSFET, P-CH, -20 V, -20 A, SON 2x2mm	Texas Instruments	CSD25310Q2	SON 2x2mm
14	1	R1	0.02	RES, 0.02 ohm, 1%, 1W,	Vishay-Dale	WSLP1206R0200FEA	1206
15	1	R2	1.96	RES, 1.96 ohm, 1%, 0.125W	Vishay-Dale	CRCW08051R96FKEA	0805
16	2	R3, R5	4.02k	RES, 4.02k ohm, 1%, 0.1W	Vishay-Dale	CRCW06034K02FKEA	0603
17	1	R4	0.01	RES, 0.01 ohm, 1%, 0.5W	Stackpole Electronics Inc	CSR1206FK10L0	1206
18	1	R6	10	RES, 10 ohm, 5%, 0.125W	Vishay-Dale	CRCW080510R0JNEA	0805
19	3	R7, R13, R19	100k	RES, 100k ohm, 1%, 0.1W	Yageo America	RC0603FR-07100KL	0603
20	1	R8	232k	RES, 232k ohm, 1%, 0.1W	Vishay-Dale	CRCW0603232KFKEA	0603
21	2	R9, R10	33k	RES, 33k ohm, 1%, 0.1W	Yageo America	RC0603FR-0733KL	0603
22	1	R11	1.0k	RES, 1.0k ohm, 5%, 0.1W	Vishay-Dale	CRCW06031K00JNEA	0603
23	1	R12	10	RES, 10.0 ohm, 1%, 0.1W	Vishay-Dale	CRCW060310R0FKEA	0603
24	1	R14	5.23k	RES, 5.23k ohm, 1%, 0.1W	Yageo America	RC0603FR-075K23L	0603
25	1	R15	0	RES, 0 ohm, 5%	Yageo America	RC0603JR-070RL	0603
26	1	R16	1.50k	RES, 1.50k ohm, 1%, 0.1W	Yageo America	RC0603FR-071K5L	0603
27	1	R17	12.0k	RES, 12.0k ohm, 1%, 0.1W	Yageo America	RC0603FR-0712KL	0603
28	1	R18	30.1k	RES, 30.1k ohm, 1%, 0.1W	Yageo America	RC0603FR-0730K1L	0603
29	1	R20	0	RES, 0 ohm, 5%, 0.1W	Vishay-Dale	CRCW06030000Z0EA	0603
30	1	R21	10.0k	RES, 10.0k ohm, 1%, 0.1W	Yageo America	RC0603FR-0710KL	0603
31	1	U1	BO24133RGYR	Integrated Synchronous Switch-Mode 1-3S Battery Charger	Texas Instruments	BO24133RGYR	QFN-24

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