

Bill of Materials

TI DESIGNS

PMP11052

Item	Qty	Reference	Value	Part Description	Manufacturer	Manufacturer Part Number	Alternate Part	PCB Footprint
1	1	!PCB		Printed Circuit Board	Any	PMP11052	-	
2	1	C1	2.2uF	CAP, CERM, 2.2uF, 100V, +/-10%, X7R, 1210	Taiyo Yuden	HMK325B7225KN-T	-	1210
3	1	C2	0.01uF	CAP, CERM, 0.01uF, 100V, +/-5%, X7R, 0603	AVX	06031C103JAT2A	-	0603
4	2	C3, C4	1uF	CAP, CERM, 1uF, 25V, +/-10%, X7R, 0805	TDK	C2012X7R1E105K	-	0805
5	1	C5	0.47uF	CAP, CERM, 0.47uF, 100V, +/-10%, X7R, 0805	MuRata	GRM21BR72A474KA73L	-	0805
6	1	C6	1uF	CAP, CERM, 1uF, 16V, +/-10%, X5R, 0603	Kemet	C0603C105K4PACTU	-	0603
7	1	C7	3300pF	CAP, CERM, 3300pF, 100V, +/-5%, X7R, 0603	AVX	06031C332JAT2A	-	0603
8	1	C8	0.1uF	CAP, CERM, 0.1uF, 16V, +/-5%, X7R, 0603	AVX	0603YC104JAT2A	-	0603
9	1	C9	2200pF	CAP, CERM, 2200pF, 2000V, +/-10%, X7R, 1812	TDK	C4532X7R3D222K	-	1812
10	1	D1	100V	Diode, Schottky, 100V, 1A, PowerDI123	Diodes Inc.	DFLS1100-7	-	PowerDI123
11	1	D2	100V	Diode, Ultrafast, 100V, 0.25A, SOD-323	NXP Semiconductor	BAS316,115	-	SOD-323
12	4	H1, H2, H3, H4		Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	B&F Fastener Supply	NY PMS 440 0025 PH	-	Screw
13	4	H5, H6, H7, H8		Standoff, Hex, 0.5"L #4-40 Nylon	Keystone	1902C	-	Standoff
14	3	J1, J2, J3	2x1	Conn Term Block, 2POS, 3.5mm, TH	Phoenix Contact	1751248	-	11x8.5x7.3mm
15	1	LBL1		Thermal Transfer Printable Labels, 0.650" W x 0.200" H - 10,000 per roll	Brady	THT-14-423-10	-	PCB Label 0.650"H x 0.200"W
16	1	R1	127k	RES, 127k ohm, 1%, 0.125W, 0805	Vishay-Dale	CRCW0805127KFKEA	-	0805
17	1	R2	8.25k	RES, 8.25k ohm, 1%, 0.125W, 0805	Vishay-Dale	CRCW08058K25FKEA	-	0805
18	1	R3	130k	RES, 130k ohm, 1%, 0.125W, 0805	Vishay-Dale	CRCW0805130KFKEA	-	0805
19	1	R4	7.32k	RES, 7.32k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW06037K32FKEA	-	0603
20	1	R5	1.0k	RES, 1.0k ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW06031K00JNEA	-	0603
21	1	R8	46.4k	RES, 46.4k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW060346K4FKEA	-	0603
22	1	R10	2.00k	RES, 2.00k ohm, 1%, 0.125W, 0805	Vishay-Dale	CRCW08052K00FKEA	-	0805
23	1	T1	33uH	INDUCTOR, PWR, 33UH, 0.85A,20%,15MHZ	Coilcraft	LPD5030-333MEB	-	4.8 x 4.8 x
24	1	TP7	White	Test Point, TH, Miniature, White	Keystone	5002	-	Keystone5002
25	2	TP8, TP10	Black	Test Point, Miniature, Black, TH	Keystone	5001	-	Black Miniature
26	1	TP11	Red	Test Point, TH, Miniature, Red	Keystone	5000	-	Keystone5000
27	1	U1		100V, 600mA Constant On-Time Synchronous Buck Regulator, NGU0008B	Texas Instruments	LM34927SDX/NOPB	LM5017SD/NOPB	NGU0008B

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28	0	FID1, FID2, FID3		Fiducial mark. There is nothing to buy or mount.	N/A	N/A		Fiducial

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