

Bill of Materials

TI DESIGNS

PMP10977 Rev. B

Item	Qty	Reference	Value	Part Description	Manufacturer	Manufacturer Part Number	Alternate Part	PCB Footprint	Note
1	1	C1	0.01uF	CAP, CERM, 0.01uF, 16V, +/-10%, X7R, 0603	MuRata	GRM188R71C103KA01D		0603	C1
2	1	C2	1uF	CAP, CERM, 1uF, 100V, +/-10%, X7R, 1206	MuRata	GRM31CR72A105KA01L		1206	C2
3	1	C3	0.1uF	CAP, CERM, 0.1uF, 100V, +/-10%, X7R, 0603	MuRata	GRM188R72A104KA35D		0603	C3
4	1	C4	1000pF	CAP, CERM, 1000pF, 25V, +/-5%, COG/NPO, 0603	MuRata	GRM1885C1E102JA01D		0603	C4
5	1	C5	0.22uF	CAP, CERM, 0.22 uF, 10 V, +/- 10%, X5R, 0603	MuRata	GRM188R61A224KA01D		0603	C5
6	1	C6	1uF	CAP, CERM, 1uF, 10V, +/-10%, X7R, 0603	MuRata	GRM188R71A105KA61D		0603	C6
7	2	C7, C9	10uF	CAP, CERM, 10 uF, 10 V, +/- 10%, X7R, 0805	MuRata	GRM21BR71A106KE51L		0805	C7, C9
8	1	C8	0.1uF	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, 0603	MuRata	GCM188R71H104KA57D		0603	C8
9	2	C10, C100	0.1uF	CAP, CERM, 0.1uF, 6.3V, +/-10%, X7R, 0603	MuRata	GRM188R70J104KA01D		0603	C10, C100
10	2	D1, D100	100V	Diode, Schottky, 100 V, 0.15 A, SOD-123	Diodes Inc.	BAT46W-7-F		SOD-123	D1, D100
11	3	J1, J2, J3		Header, 2x1, 100mil, SMT	Mill-Max	800-10-002-10-001000		Header, 2x1, 100mil, TH	J1, J2, J3
12	1	R1	4.99k	RES, 4.99 k, 1%, 0.1 W, 0603	Vishay-Dale	CRCW06034K99FKEA		0603	R1
13	1	R2	0	RES, 0 ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW06030000Z0EA		0603	R2
14	1	R3	499k	RES, 499 k, 1%, 0.1 W, 0603	Vishay-Dale	CRCW0603499KFKEA		0603	R3
15	1	R4	470k	RES, 470 k, 5%, 0.1 W, 0603	Vishay-Dale	CRCW0603470KJNEA		0603	R4
16	1	R5	316k	RES, 316k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW0603316KFKEA		0603	R5
17	1	R6	100k	RES, 100k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW0603100KFKEA		0603	R6
18	1	R7	49.9	RES, 49.9 ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW060349R9FKEA		0603	R7
19	1	T1	2.5mH	Transformer, ±10%	WE	750314952	Microgate MGPT-S0801B	0.410 x 0.510 inch	T1
20	3	TP1, TP3, TP6	Red	Test Point, Miniature, Red, TH	Keystone	5000			TP1, TP3, TP6
21	2	TP2, TP5	Black	Test Point, Miniature, Black, TH	Keystone	5001			TP2, TP5
22	2	TP4, TP7	White	Test Point, Miniature, White, TH	Keystone	5002			TP4, TP7
23	1	U1		Buck Step Down Regulator with 4.7 to 60 V Input and 0.8 to 58 V Output, -40 to 125 degC, 8-Pin SON (DRB), Green (RoHS & no Sb/Br)	Texas Instruments	TPS54061DRBT		DRB0008B	U1
24	1	U2		Low Noise, High-Bandwidth PSRR Low-Dropout 150mA Linear Regulator, DSE0006A	Texas Instruments	TPS71733DSE		DSE0006A	U2

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