

Bill of Materials

TI DESIGNS

PMP10618

Item	Qty	Reference	Part Description	Manufacturer	Manufacturer Part Number
1	1	Cb	CAP, CERM, 0.47 μ F, 16 V, +/- 10%, X5R, 0402	MuRata	GRM155R61C474KE01
2	2	Cbias, Cvcc	CAP, CERM, 2.2 μ F, 16 V, +/- 10%, X7R, 0805	TDK	C2012X7R1C225K
3	1	Cff	CAP, CERM, 68 pF, 50 V, +/- 5%, C0G/NP0, 0402	MuRata	GRM1555C1H680JA01D
4	2	Cin1, Cin2	CAP, CERM, 2.2 μ F, 100 V, +/- 10%, X7R, 1210	MuRata	GRM32ER72A225KA35L
5	1	Cin3	CAP, CERM, 0.01 μ F, 100 V, +/- 10%, X7R, 0603	AVX	06031C103KAT2A
6	3	Cin4, Cin5, Cin6	CAP, CERM, 22 μ F, 25 V, +/- 10%, X7R, 1210	MuRata	GRM32ER71E226KE15L
7	1	Cinb	CAP, AL, 47 μ F, 80 V, +/- 20%, 0.7 ohm, SMD	Panasonic	EEE-FK1K470P
8	1	Cout1	CAP, AL, 47 μ F, 25 V, +/- 20%, 0.03 ohm, SMD	Panasonic	25SVPF47M
9	3	Cout2, Cout3, Cout4	CAP, CERM, 22 μ F, 16 V, +/- 10%, X5R, 0805	TDK	C2012X5R1C226K125AC
10	3	Css1, Css2, Css3	CAP, CERM, 3300 pF, 50 V, +/- 10%, X7R, 0402	TDK	C1005X7R1H332K
11	3	FID1, FID2, FID3	Fiducial mark. There is nothing to buy or mount.	N/A	N/A
12	4	H1, H2, H3, H4	Machine Screw, Round, #4-40 x 1/4, Nylon, Philips	B&F Fastener	NY PMS 440 0025 PH
13	4	H5, H6, H7, H8	Standoff, Hex, 0.5"L #4-40 Nylon	Keystone	1902C
14	1	L1	Inductor, Shielded, Composite, 22 μ H, 5.6 A, 0.06 ohm, SMD	Coilcraft	XAL6060-223MEB
15	1	Rbias	RES, 10.0, 1%, 0.063 W, 0402	Vishay-Dale	CRCW040210R0FKED
16	1	Renb	RES, 210 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW0402210KFKED
17	2	Rent, Rfbt3	RES, 1.21 M, 1%, 0.063 W, 0402	Vishay-Dale	CRCW04021M21FKED
18	1	Rfbb1	RES, 90.9 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW040290K9FKED
19	1	Rfbb2	RES, 44.2 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW040244K2FKED
20	1	Rfbb3	RES, 383 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW0402383KFKED
21	1	Rfbb4	RES, 118 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW0402118KFKED
22	1	Rfbt1	RES, 1.00 M, 1%, 0.063 W, 0402	Vishay-Dale	CRCW04021M00FKED
23	1	Rfbt2	RES, 232 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW0402232KFKED
24	1	Rfbt4	RES, 147 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW0402147KFKED
25	1	Rpg1	RES, 100 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW0402100KFKED
26	1	TP1	Test Point, Miniature, Red, TH	Keystone	VIN
27	5	TP2, TP4, TP6, TP8, TP10	Test Point, Miniature, Black, TH	Keystone	GND
28	1	TP3	Test Point, Miniature, Red, TH	Keystone	VOUT=5.0V
29	1	TP5	Test Point, Miniature, Red, TH	Keystone	VOUT=3.3V
30	1	TP7	Test Point, Miniature, Red, TH	Keystone	VOUT=1.8V
31	1	TP9	Test Point, Miniature, Red, TH	Keystone	VOUT=12V
32	1	U1	3.5V to 60V 2A Synchronous Step-Down Voltage Regulator, PWP0016A	Texas Instruments	LM46002PWP
33	3	U2, U3, U4	1A SIMPLE SWITCHER Nano Module with 17V Maximum Input Voltage, SIL0008E	Texas Instruments	LMZ21701SIL

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