

Bill of Materials

TI DESIGNS

[TIDA-01635](#)

Item	Qty	Reference	Value	Part Description	Manufacturer	Comments	Manufacturer Part Number	PCB Footprint
1	1	!PCB		Printed Circuit Board	Any		TIDA-00535	
2	1	C1	10uF	CAP, CERM, 10 µF, 100 V, +/-	TDK		C5750X7S2A106M	2220
3	1	C2	1uF	CAP, CERM, 1 µF, 100 V, +/- 10%, X7R, 1210	MuRata		GRM32ER72A105KA01L	1210
4	4	C3, C4, C5, C6	1uF	CAP, CERM, 1 µF, 35 V, +/- 10%, X5R, 0603	Taiyo Yuden		GMK107BJ105KA-T	0603
5	1	C7	47uF	CAP, CERM, 47 µF, 10 V, +/- 10%, X7R, 1210	MuRata		GRM32ER71A476KE15L	1210
6	3	C8, C9, C10	4.7uF	CAP, CERM, 4.7 µF, 50 V, +/-	TDK		C2012X5R1H475K125A	0805
7	1	C11	0.47uF	CAP, CERM, 0.47 µF, 16 V, +/-	Kemet		C0603C474K4RACTU	0603
8	1	C12	0.047uF	CAP, CERM, 0.047 µF, 50 V, +/-	TDK		C1608X7R1H473K	0603
9	1	C13	2.2uF	CAP, CERM, 2.2 µF, 10 V, +/-	MuRata		GRM188R71A225KE15D	0603
10	1	C14	330pF	CAP, CERM, 330 pF, 50 V, +/- 10%, X7R, 0603	MuRata		GRM188R71H331KA01D	0603
11	1	C15	0.1uF	CAP, CERM, 0.1 µF, 25 V, +/- 5%,	Kemet		C0603C104J3RAC	0603
12	3	J1, J3, J5		Connector, TH, SMA	Emerson Network Power		142-0701-201	SMA
13	1	L1	6.8uH	Inductor, Shielded, Composite, 6.8 µH, 3.6 A, 0.0674 ohm, SMD	Coilcraft		XAL4030-682MEB	4.0x3.1x4.0mm
14	1	R3	43.2k	RES, 43.2 k, 1%, 0.1 W, 0603	Vishay-Dale		CRCW060343K2FKEA	0603
15	2	R5	100k	RES, 100 k, 1%, 0.1 W, 0603	Vishay-Dale		CRCW0603100KFKEA	0603
16	6	TP1, TP2, TP3, TP4, TP5, TP6	Double	Terminal, Turret, TH, Double	Keystone		1573-2	Keystone1573-2
17	1	U1		ULTRA LOW-NOISE, 250-mA LINEAR REGULATOR FOR RF AND ANALOG CIRCUITS REQUIRES NO BYPASS CAPACITOR, DBV0005A	Texas Instruments	Contact Texas Instruments sales representative for LP5907-Q1 grade specific voltage options.	LP5907MFX-1.5/NOPB	DBV0005A
18	1	U2		SIMPLE SWITCHER 3.5 V to 36 V 2-A Synchronous Step-Down Voltage Converter, PWP0016G	Texas Instruments		LM43602QPWPRQ1	PWP0016G
19	1	U3		ULTRA LOW-NOISE, 250-mA LINEAR REGULATOR FOR RF AND ANALOG CIRCUITS REQUIRES NO BYPASS CAPACITOR, DBV0005A	Texas Instruments		LP5907QMFx-1.8Q1	DBV0005A
20	0	FID1, FID2, FID3		Fiducial mark. There is nothing to	N/A		N/A	Fiducial

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