

Bill of Materials

TI DESIGNS
TIDA-00897

Item #	Designator	Quantity	Value	Description	PackageReference	PartNumber	Manufacturer
1	!PCB1	1		Printed Circuit Board		TIDA-00897	Any
2	ANT_1, TX_1	2		Connector, End launch SMA, 50 ohm, SMT	SMA End Launch	142-0701-851	Emerson Network Power
3	C1, C11, C14	3	0.1uF	CAP, CERM, 0.1uF, 10V, +/-10%, X5R, 0402	402	C1005X5R1A104K	TDK
4	C2, C4, C5	3	10uF	CAP, CERM, 10 uF, 10 V, +/- 20%, X5R, 0402	402	CL05A106MP5NUNC	Samsung Electro-Mechanics
5	C3	1	1.5uF	CAP, CERM, 1.5 uF, 10 V, +/- 10%, X5R, 0402	402	C1005X5R1A155K050BC	TDK
6	C6	1	3pF	CAP CER 3PF 25V NP0 0201	201	GRM0335C1E3R0CA01D	Murata
7	C10	1	330pF	CAP, CERM, 330pF, 50V, +/-5%, C0G/NP0, 0402	402	C1005C0G1H331J	TDK
8	C12	1	12pF	CAP CER 12PF 25V 5% NP0 0201	201	GRM0335C1E120JA01D	TDK
9	C15	1	1nF	CAP, CERM, 1000pF, 16V, +/-10%, X7R, 0201	201	GRM033R71C102KA01D	Murata
10	J1	1		Header, 100mil, 2x1, Gold, TH	2x1 Header	TSW-102-07-G-S	Samtec
11	J2, J5, J6, J7, J8, J9	6		Header, 100mil, 3x1, Tin, TH	Header, 3x1, 100mil, TH	5-146278-3	TE Connectivity
12	J3	1		Standard Banana Jack, Insulated, Red	6091	6091	Keystone
13	J4	1		Standard Banana Jack, Insulated, Black	6092	6092	Keystone
14	R3	1	0	RES, 0, 5%, 0.063 W, 0402	402	ERJ-2GE0R00X	Panasonic
15	R4	1	49.9	RES, 49.9, 1%, 0.05 W, 0201	201	ERJ-1GEF49R9C	Panasonic
16	R5	1	0	RES, 0, 5%, 0.05 W, 0201	201	ERJ-1GE0R00C	Panasonic
17	SH-J2, SH-J5, SH-J6, SH-J7, SH-J8, SH-J9	6	1x2	Shunt, 100mil, Gold plated, Black	Shunt	969102-0000-DA	3M
18	U1	1		5G PA	QFN16	TQP887051	Triquint
19	U2	1		Ultra Low-Noise, 500-mA Linear Regulator for RF and Analog Circuits - Requires No Bypass Capacitor, DRV0006A	DRV0006A	LP5912-3.3DRVR	Texas Instruments
20	U3	1		8 GHz Logarithmic RMS Power Detector with 45 dB dynamic range, 6-pin Micro SMD, Pb-Free	TMD06BBA	LMH2110TM/NOPB	Texas Instruments
21	U4	1		RF Directional Coupler, TDK Corporation HHM2942A2		HHM2942A2	TDK
22	VDET	1		Connector, BNC Jack, 1 Position, R/A, TH	BNC connector, R/A, TH	31-5431-2010	Amphenol-Tuchel Electronics
23	C7, C9	0	3pF	CAP CER 3PF 25V NP0 0201	201	GRM0335C1E3R0CA01D	Murata
24	C13	0	0.1uF	CAP, CERM, 0.1uF, 10V, +/-10%, X5R, 0402	402	C1005X5R1A104K	TDK

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