Anaren Integrated Radio
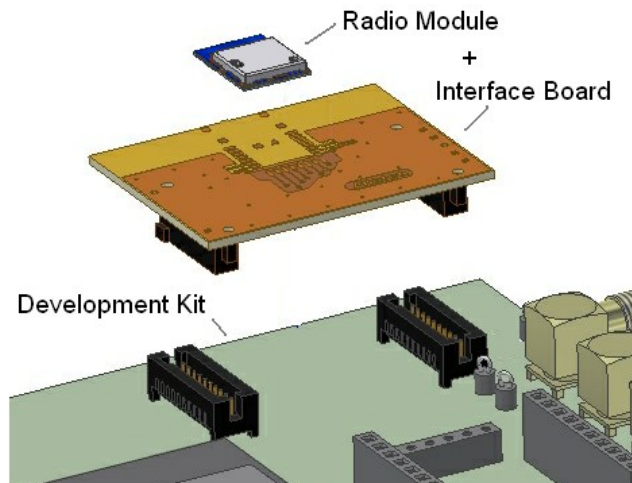# Evaluation Module Series

A1101R09C-EM1

The A1101R09C-EM1 is a high-performance, interface board with an FCC-certified A1101R09C connectorized radio module mounted for quick connection to the Texas Instruments CC1101DK Development Kit.
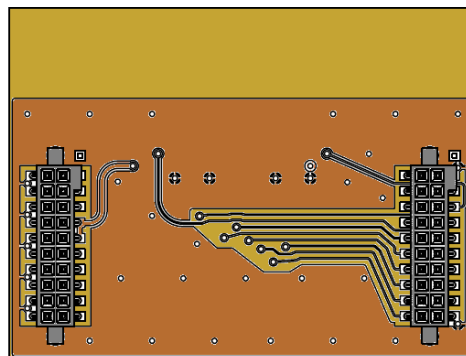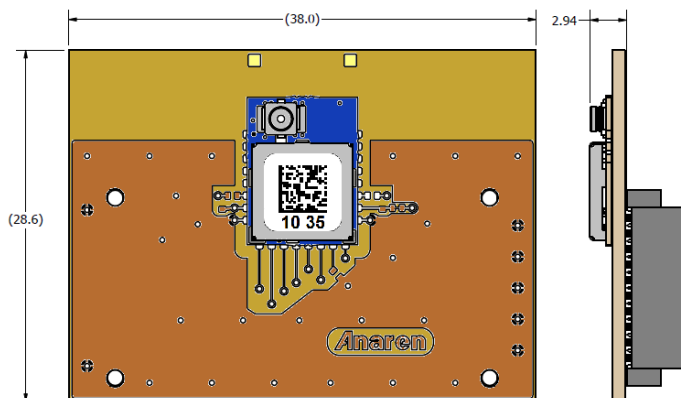
Product Overview

The A1101R09C-EM1 is an evaluation module with an Anaren A1101R09C radio module in the industry's smallest package (9 x 12 x 2.5mm) mounted on it. This evaluation module is designed specifically for compatibility with SmartRF®04, SmartRF®05 and MAVRK evaluation boards. Each Anaren A1101R09C module is FCC-certified and incorporates the Texas Instruments CC1101 transceiver chip.

As a stand-alone module for your final design implementation, Anaren's A1101R09C has an LGA pad footprint with an industry-standard U.FL button connector receptacle. This module is designed to effortlessly integrate into a wide range of applications, including: industrial control, building automation, low-power wireless sensor networks, lighting control, and automated meter reading.

The A1101R09C has an RoHS-compliant ENIG finish and is packaged on tape & reel or in matrix tray for high-volume automated manufacturing.
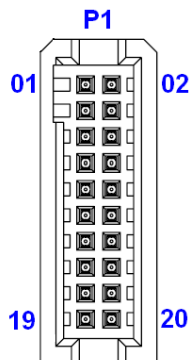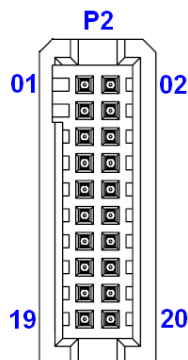

Layout

TEXAS INSTRUMENTS
Design Network

Anaren®
What'll we think of next?®

Pin Diagram

Development Kit Connectors

P1

01 02
19 20

P2

01 02
19 20

Connector P1		Connector P2	
Pin 1	GND	Pin 1	NC
Pin 2	NC	Pin 2	GND
Pin 3	NC	Pin 3	NC
Pin 4	NC	Pin 4	GND
Pin 5	NC	Pin 5	NC
Pin 6	NC	Pin 6	GND
Pin 7	NC	Pin 7	VDD
Pin 8	NC	Pin 8	GND
Pin 9	NC	Pin 9	VDD
Pin 10	GDO0/ATEST	Pin 10	GND
Pin 11	NC	Pin 11	NC
Pin 12	GDO2 (Debug)	Pin 12	GND
Pin 13	NC	Pin 13	NC
Pin 14	CSn	Pin 14	GND
Pin 15	NC	Pin 15	NC
Pin 16	SCLK	Pin 16	GND
Pin 17	NC	Pin 17	NC
Pin 18	SI	Pin 18	NC
Pin 19	GND	Pin 19	NC
Pin 20	SO/GDO1	Pin 20	DD_DIR

Nomenclature

A1101R09C-EM1

① ② ③ ④ ⑤

A		(Anaren)
1	Chip series	(CC1101, CC110L, CC2500)
2	Function	(R = radio only)
3	Frequency band	(x100MHz)
4	Form factor	(A = Internal Antenna, C = Connector)
5	Module Type	(EM1 = Eval Module, EZ4x = EZ-430 Module)

To view the entire available family of AIR Modules & Development options, please visit our website at:

http://www.anaren.com/air
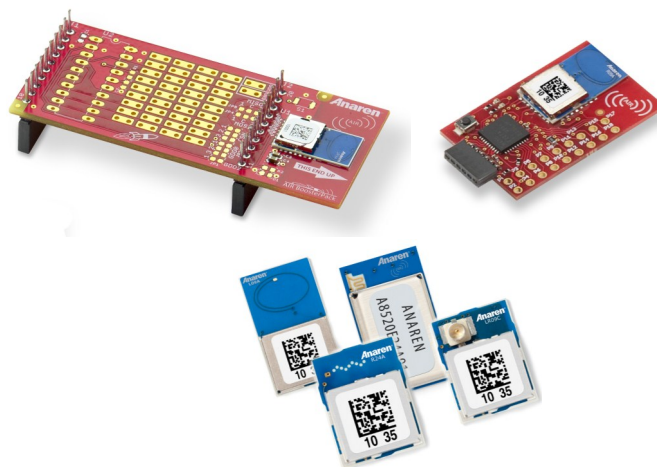
PLEASE NOTE: Additional information on the Texas Instruments CC1101 Development Kit can be found in the company's latest datasheet release at http://www.ti.com

Caution! ESD sensitive device. Precautions should be used when handling the device in order to prevent permanent damage.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information: