Chipsmall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China
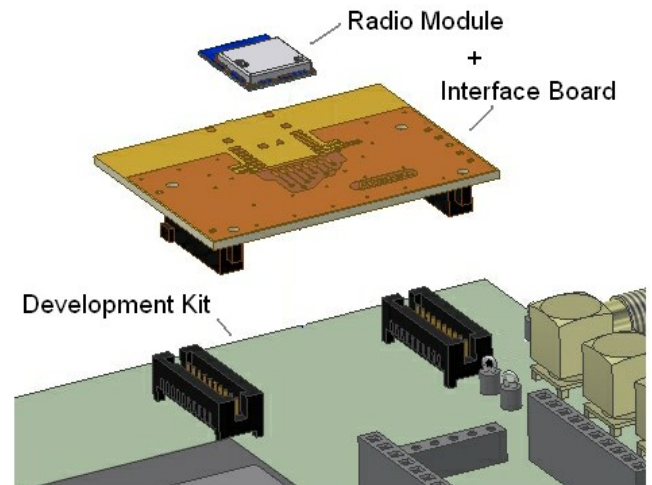
A1101R04C-EM1

The A1101R04C-EM1 is a high-performance, interface board with an ETSI-compliant A1101R04C connectorized radio module mounted for quick connection to the Texas Instruments CC1101DK Development Kit.
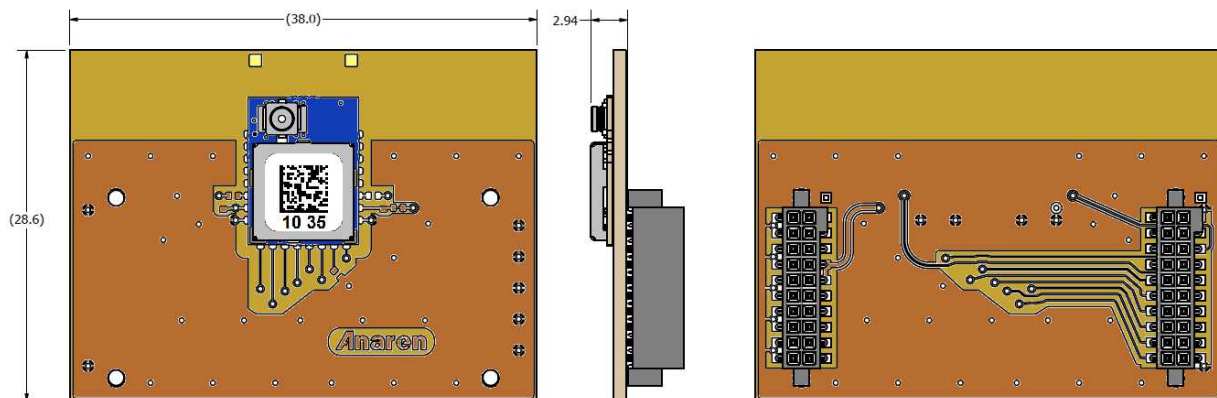
Product Overview

The A1101R04C-EM1 is an evaluation module with an Anaren A1101R04C 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 A1101R04C module incorporates the Texas Instruments CC1101 transceiver chip.
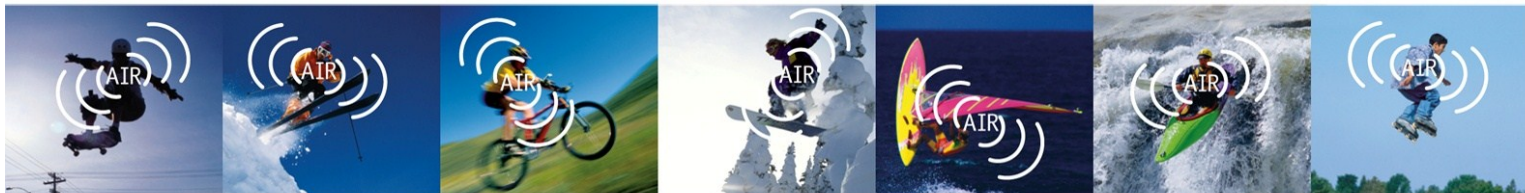
As a stand-alone module for your final design implementation, Anaren's A1101R04C has an LGA pad footprint with an industry-standard U.FL button connector receptacle. This module is designed to effortlessly integrate into a wide range of applications, including: industrial control, building automation, low-power wireless sensor networks, lighting control, and automated meter reading.

The A1101R04C has an RoHS-compliant ENIG finish and is packaged on tape & reel or in matrix tray for high-volume automated manufacturing.
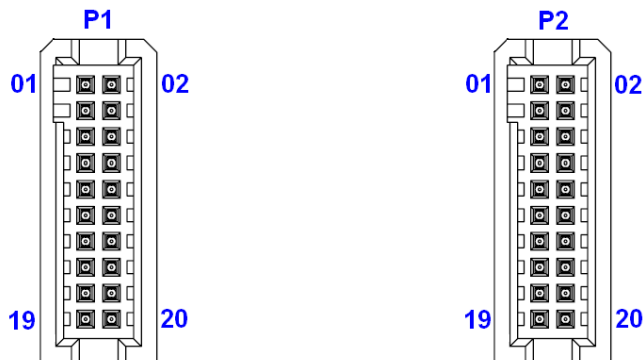

Radio Module
+
Interface Board

Development Kit

Layout

Pin Diagram

Development Kit Connectors

P1

```
01          02
19          20
```

P2

```
01          02
19          20
```

Connector P1

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

Connector P2

Pin 1	NC
Pin 2	GND
Pin 3	NC
Pin 4	GND
Pin 5	NC
Pin 6	GND
Pin 7	VDD
Pin 8	GND
Pin 9	VDD
Pin 10	GND
Pin 11	NC
Pin 12	GND
Pin 13	NC
Pin 14	GND
Pin 15	NC
Pin 16	GND
Pin 17	NC
Pin 18	NC
Pin 19	NC
Pin 20	DD_DIR

This product is not to be used in any implantable medical device or external medical device intended to regulate or monitor biological functions, including but not limited to devices such as pacemakers, defibrillators, cardiac resynchronization devices, pressure sensors, biochemical stimulators and neurostimulators. ANAREN MAKES NO WARRANTY OF FITNESS OR MERCHANTABILITY OF THIS PRODUCT FOR ANY USE OF THIS TYPE. Anaren shall not be responsible for any consequential damages arising from the sale or use of this product for any use of this type. The ultimate user of the product assumes all risk of personal injury or death arising from a prohibited use.
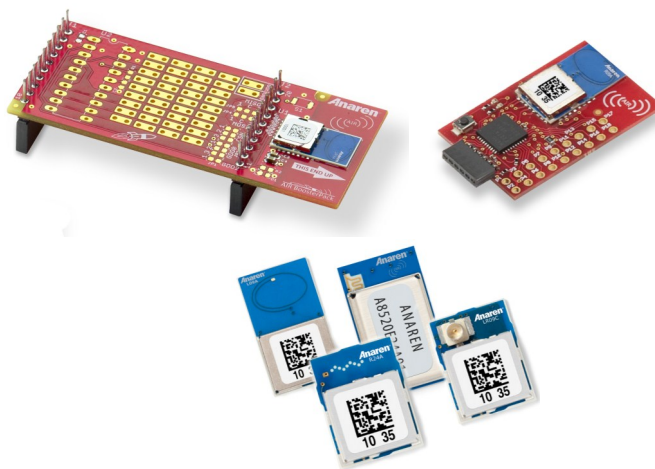
Nomenclature

A1101R04C-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, LPF = BoosterPack)

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.

Anaren Integrated Radio

What'll we think of next?®

1208a