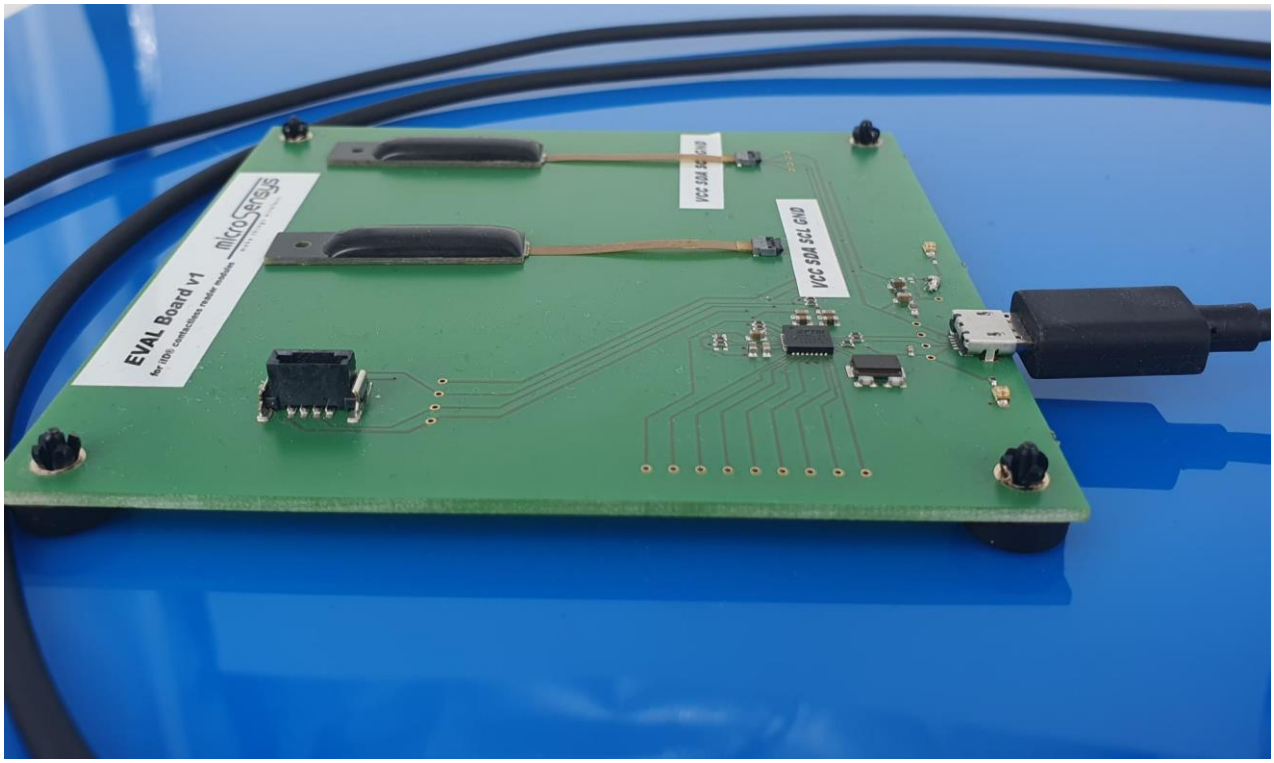
EVAL-Board for iID® contactless reader modules

QuickStartGuide



EVAL-Board for iID® contactless reader modules with USB and 2xI²C interface

microsensys offers the possibility to evaluete the proven iID® contactless RFID reader modules with an evaluation board. iID® modules are specially designed for integrated applications and supports a wide range of HF transponders with RFID standards ISO 14443A/B, ISO 15693, NFC and TELID® sensors. The evaluation board is optimized for low power integrated module applications and combines the use of several iID® contactless reader modules like module Q8, Q1224, U70 and so one to enable pre-tests.

Product Short Description & available Versions:

Ordering name and contents:

iID® module Starter & Development Kit-01 (I²C)

Consisting of:
1 x EVAL-Board for iID® contactless reader modules with USB and 2xI²C interface
1 x Quick start quide
1 x USB stick containing iID software tools (iID DEMOsoft incl. SENSORdemo, iID driver engine, source code samples, documentation)

Requires additional devices: *compatible iID module Q8 or Q1224 or U70 (Q10, M5570, Q15N8 and Q15N4 with adapter or cable)*

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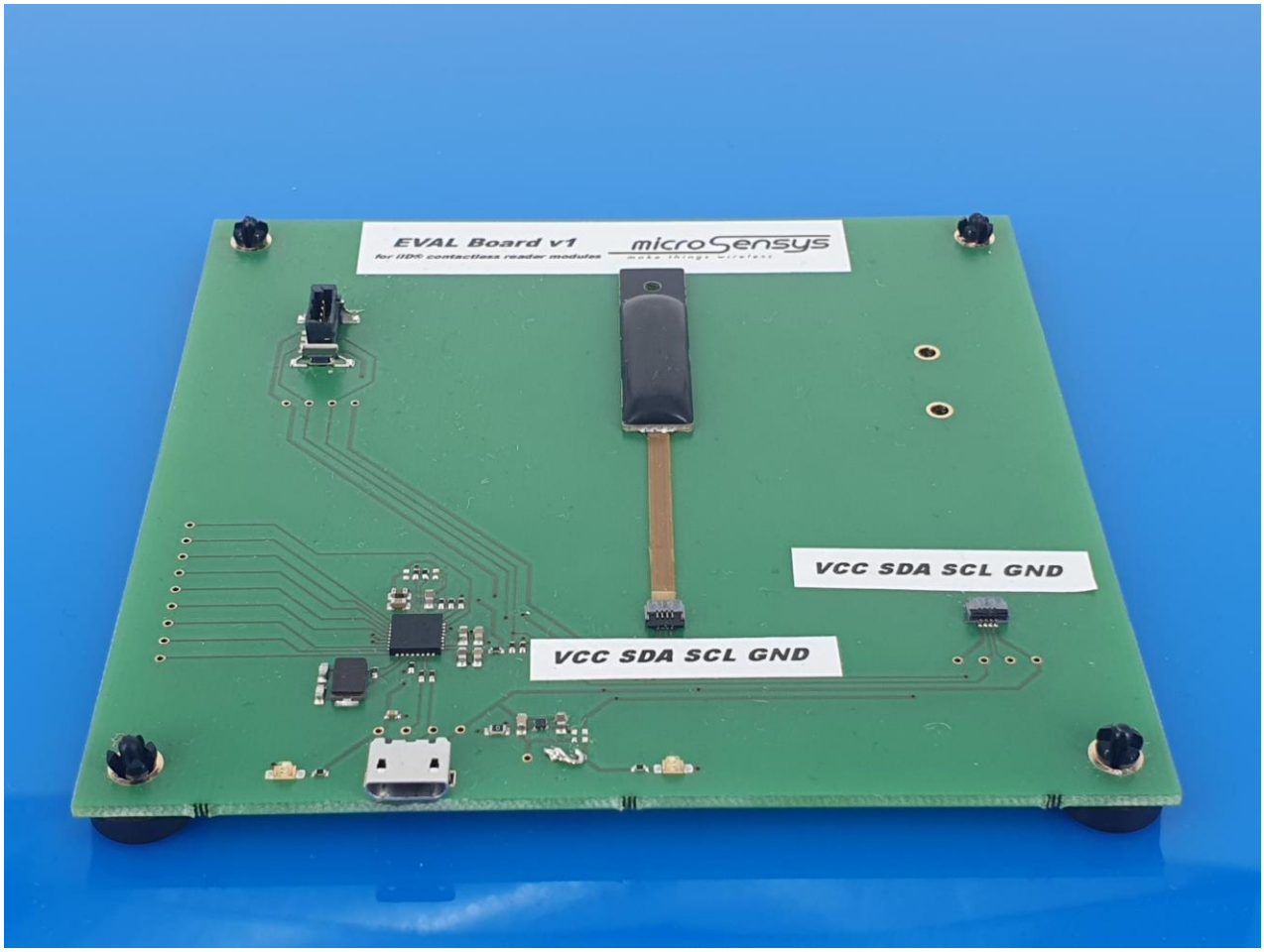
Performance description

With this new ***EVAL Board*** microsensys makes it possible to easily test the wide range of RFID ***iID®*** ***contactless reader modules.*** Some interesting points for this device are:

- Two I²C modules at same time
- Connection via microUSB interface to host
- Smart, lightweight, and simple design
- Easy mounting and startup of iID® contactless reader modules

Getting started

Picture from the Eval Board for I²C modules with Q8 module:



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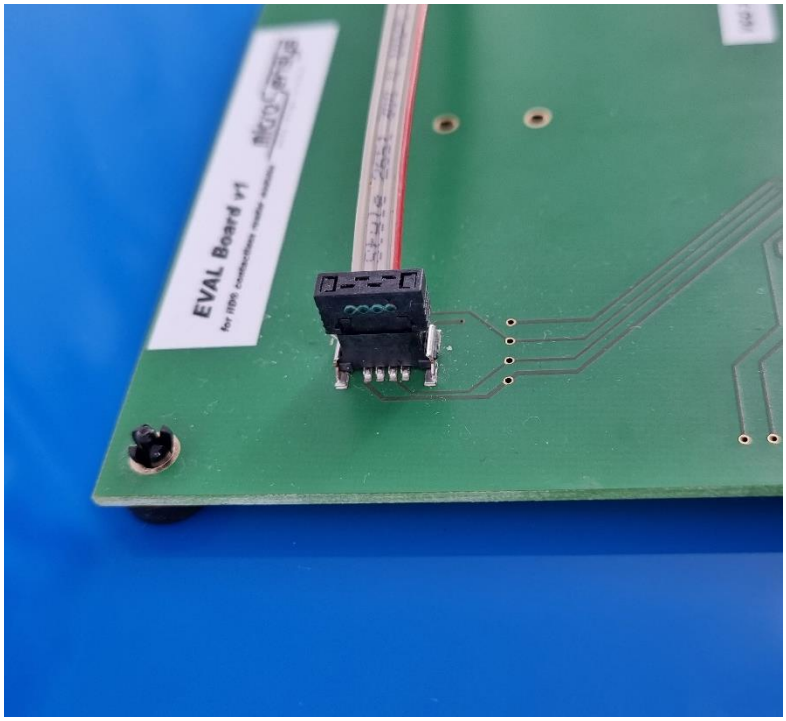
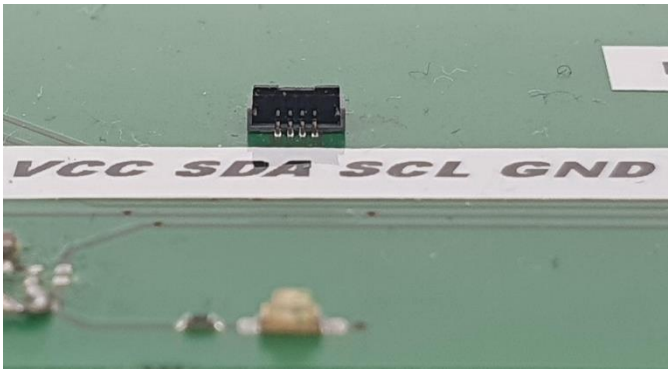
Picture from the Eval Board for I²C modules, Connector with Cable to the U70 module:

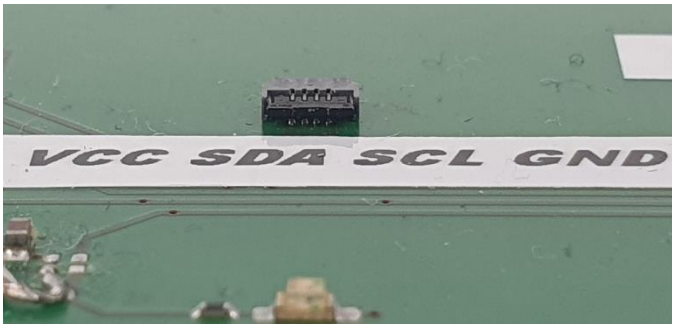


Picture 1: Connected cable for e.g., U70 module

Picture from the Eval Board for I²C modules, FPC Connector for Q8 module:



Picture 2: Connector open



Picture 3: Connector closed

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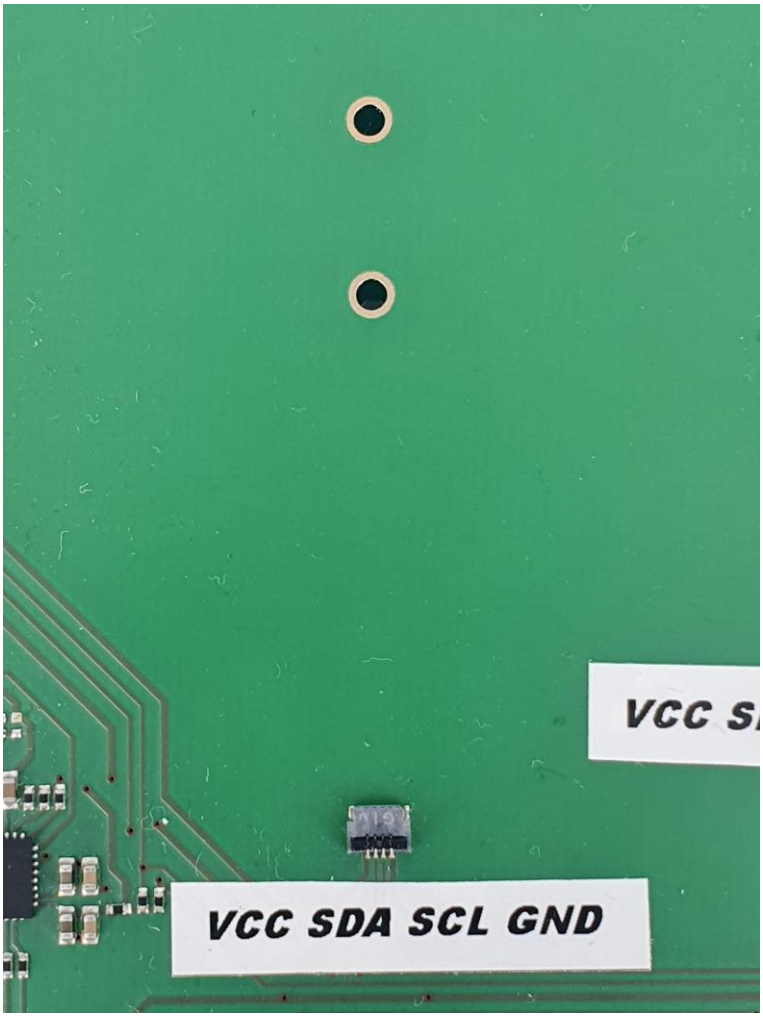
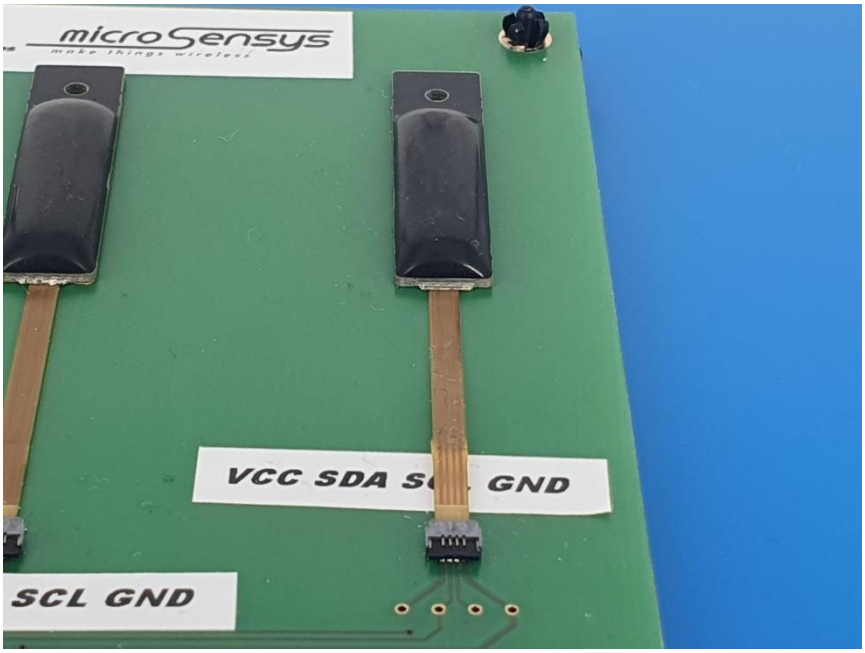
Picture from the Eval Board for I²C modules, Mounting holes for Q8 module:



Picture 4: Mounting place for Q8 Module



Picture 5:Q8 Module connected with EVAL Board

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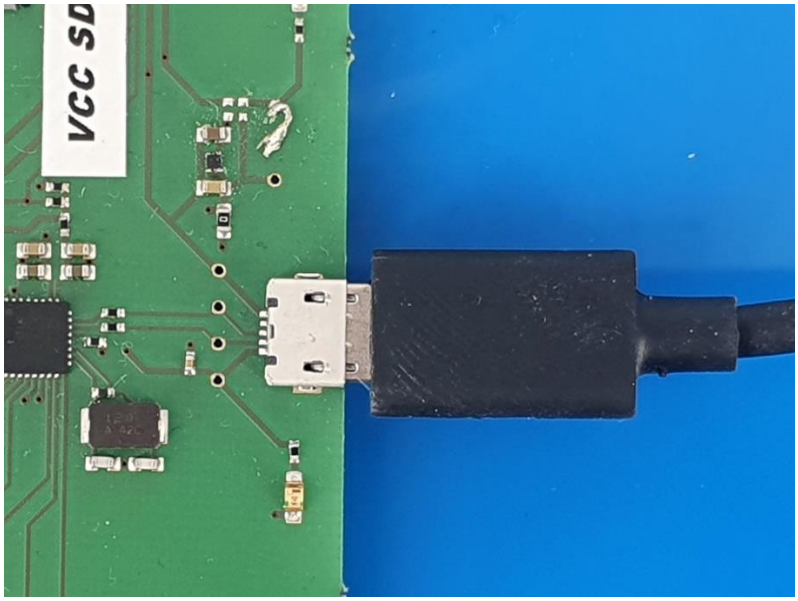
Picture from the Eval Board for I²C modules, USB Connector for Host System:



Picture 6: Connected microUSB cable

LEDs:

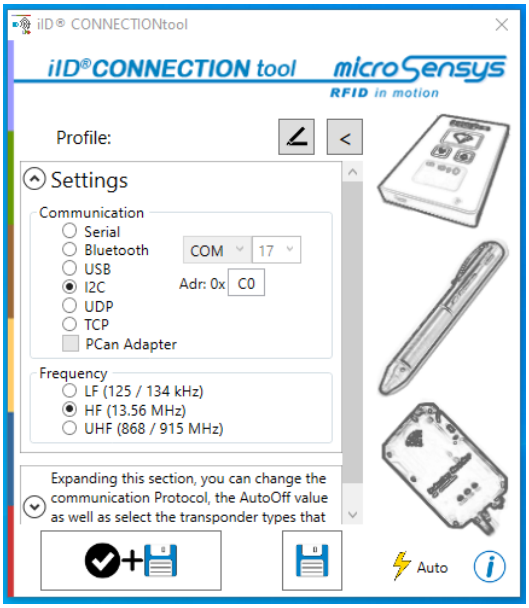
The Eval Board for I²C modules has two yellow leds for power by Host and power for reader module. Both Led should be lighting in active mode of the Eval Board for I²C modules.

Software to be installed

Following installation of microsensys software is described within the installation instruction on the included USB stick containing iID software tools, additionally all iID software tools be downloadable from: http://www.microsensys.de/downloads.

For using the Eval Board for I²C modules with Microsensys software, you need install the iiD CONNECTION tool.

Select the right setting and the right address for your I²C device. See picture below.



Picture 7: Settings for I²C Modules

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After accepting the reader settings your reader module's ID number should be displayed in status bar as shown below. You can use Demo software e.g., iID® DEMOsoft.

Complementary microsensys documents

Technical Datasheets:	see used iID® contactless reader modules
Product Guide RFID Reader:	see used iID® contactless reader modules
Product or System Documentation:	see used iID® contactless reader modules

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