Overview

HANI-IoT is a low-power development board for IoT applications, featuring a multi-protocol wireless module, several motion and environmental sensors, an on-board programmer and USB interfaces.

Revision History

R0.1
- Project created

R1.0
- Prototype release

R1.1
- Change BLE module
- Added J19 for power selection
- Minor fixes
Reset and External Oscillators

ISP Boot selector:
- 1: Default, flash
- 0: ISP Boot Mode Enabled

JTAG Programming Connector

Title: HANI IoT
Section: MCU configuration

Size: A4  Project code: PCBR18P11  Revision: 1.1
Date: 17/04/2019  Time: 18:55:02  Sheet 3 of 12
File: 03_Config.SchDoc
User Interface

Debug Serial Connector
(MCU Usart FC0 Interface)

Title: HANI IoT
Section: UI
Date: 17/04/2019
Time: 18:55:03
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RELOC s.r.l.
Str. Longhirano, 264/3A
43124 - Parma
Italy (www.reloc.it)
PIVA IT02510020346
USB Fast Speed Interface

USB High Speed Interface

Title: HANI IoT
Section: USB

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File: 05_USB.SchDoc
Date: 17/04/2019 18:55:03
Revision: 1.1
Multi-Protocol Wireless Module

Date: 17/04/2019
Time: 18:55:03

Title: HANI IoT
Section: Multi-Protocol Wireless Module
Size: A4
Project code: PCBR18P11
Revision: 1.1

Date: 07_RF.SchDoc
Size: 1000x1000

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Via Vivaldi 16
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Motion Sensors

Project code: PCBR18P11

Title: HANI IoT
Section: Motion Sensors

Size: A4
Project code: PCBR18P11
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PCB: set filter
close pins
15/14.
Selection of Host Programming Interface:
- No jumper: RF module selected.
- Jumpered (default): LPC55S69 selected.