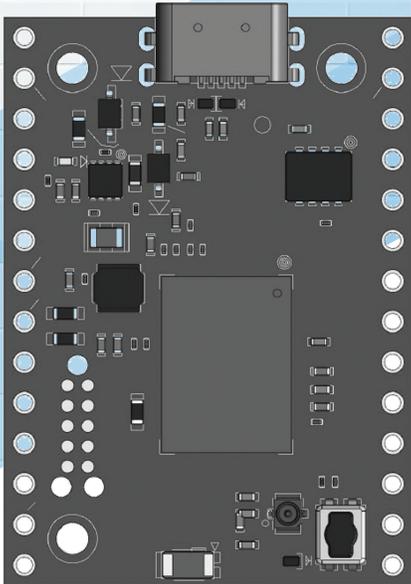


tinyTILE

Miniature Intel® Curie™ Module Development and Production Platform



tinyTILE has been designed in collaboration with Intel



tinyTILE is a miniaturised adaptation of the Arduino/Genuino 101 board, measuring approx 35 x 26mm.

The tinyTILE board can be programmed using either the Arduino IDE or Intel's own software – the Intel® Curie™ Open Developer Kit (ODK).

The reverse side of the tinyTILE board is flat, with many test-points that provide access to nearly all Intel Curie module I/O. The board is small and narrow to fit breadboards easily. The holes are unpopulated to allow easy connections to the user's circuits.

tinyTILE features the Intel Curie module, a low-power compute module that comes with motion sensors, Bluetooth® Low Energy, and pattern matching capabilities for optimized analysis of sensor data. This enables quick and easy identification of actions and motions. tinyTILE is a complete low-power solution designed for use in wearable devices and rapid prototyping. The Intel Curie module offers features that are ideal for “always-on” applications requiring motion monitoring, wireless capabilities, low power and small size.

Features

- Low-power 32-bit Intel® Quark™ microcontroller
- 384 kB flash memory
- 80k B SRAM
- Low-power integrated DSP sensor hub and pattern matching technology
- Bluetooth Low Energy
- 6-axis combo sensor with accelerometer and gyroscope

tinyTile Board Specifications

- tinyTILE has solderable holes (standard 40-mil holes on a 0.1” pitch on either side of the board, and two placed on the third side next to the Bluetooth antenna)
- I/O connections have the same names and functions as the Arduino/Genuino 101 board
- 3 mounting holes, sized to accept standard #2-56 or M2 machine screws
- tinyTILE has a micro-USB connector and may be powered and programmed in the same manner as the Arduino/Genuino 101 board
- Master-reset button
- Power ‘on’ status LED
- 3.3v I/O
- Regulated 3.3 volt power output.
- tinyTILE will be FCC certified

For more information visit

www.element14.com/tinyTILE

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