ting TILE Miniature Intel[®] CurieTM Module Development and

Miniature Intel[®] Curie[™] Module Development and Production Platform





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 (CODK) available at <u>www.intel.com/curieodk</u>.

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.

tinyTile Board Specifications

Features

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

- tinyTILE has solderable holes (standard 40-mil holes on a 0.1" pitch on either side of the board
- I/O connections have the same names and functions as the Arduino/Genuino 101 board
- 3 mounting holes, sized to accept standard M1.6 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 is CE/FCC certified

For more information visit

www.element14.com/tinyTILE

elementiu