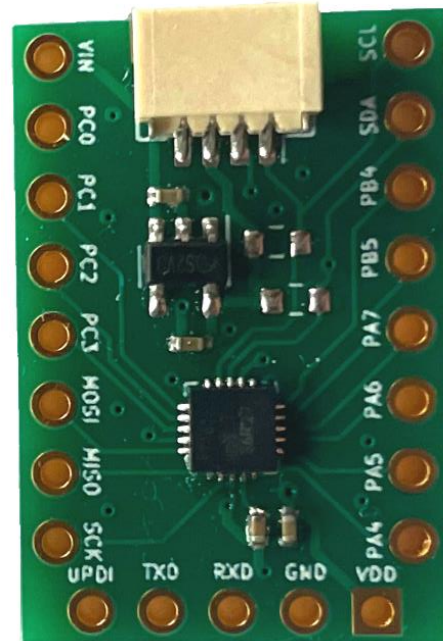
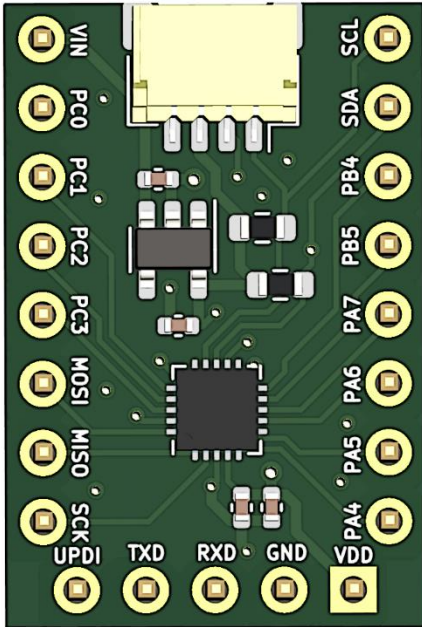




# Quick Start Guide

## ATTiny Development Board



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## Description

### Overview

- Development Board with ATtiny1616 Microcontroller up to 20MHz, 16KB Flash and 2KB SRAM
- Perfect for Low Cost Application
- Simple programming with Arduino IDE
- Programming with UPDI-Programmer
- 17 programmable GPIOs
- I2C, SPI, USART Communication Interfaces for Sensors, actuators displays etc.
- Included Pin Headers 2x8 pins and 1x5 pins right angle
- I2C Pullup 0603 Resistors are not populated

### Power Delivery

- VIN-Port: 4.3V- 6.5V unregulated Power Input
- On Board 3.3V 500mA Voltage Regulator
- VDD-Port: 1.8V – 5.5V regulated Power Input

### SMD Connector 1.0mm 4-PIN

- I2C Connector for Sensors
- GND (4), VDD (3), SDA (2) und SCL (1)



## Arduino IDE Setup

**Step 1:** Open Arduino IDE

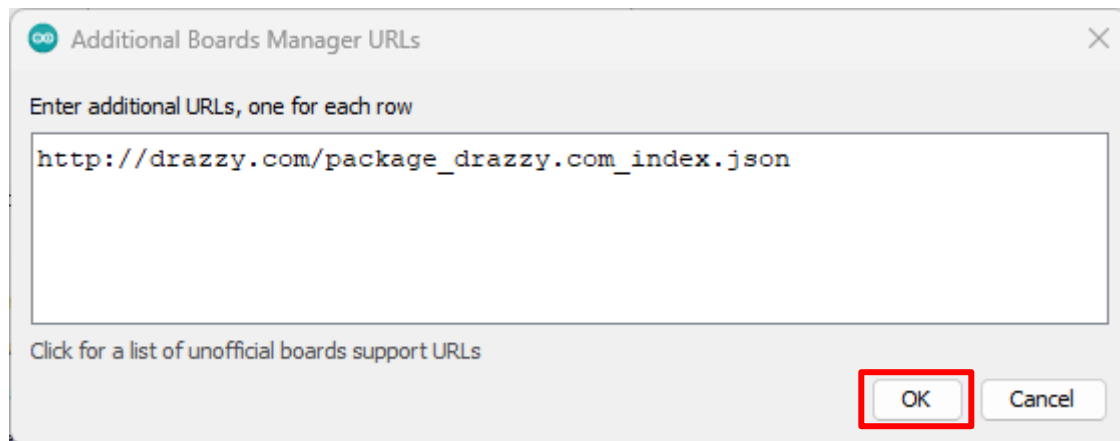
**Step 2:** File -> Preferences

**Step 3:** Add following link to the Board Manager-URLs and confirm with OK

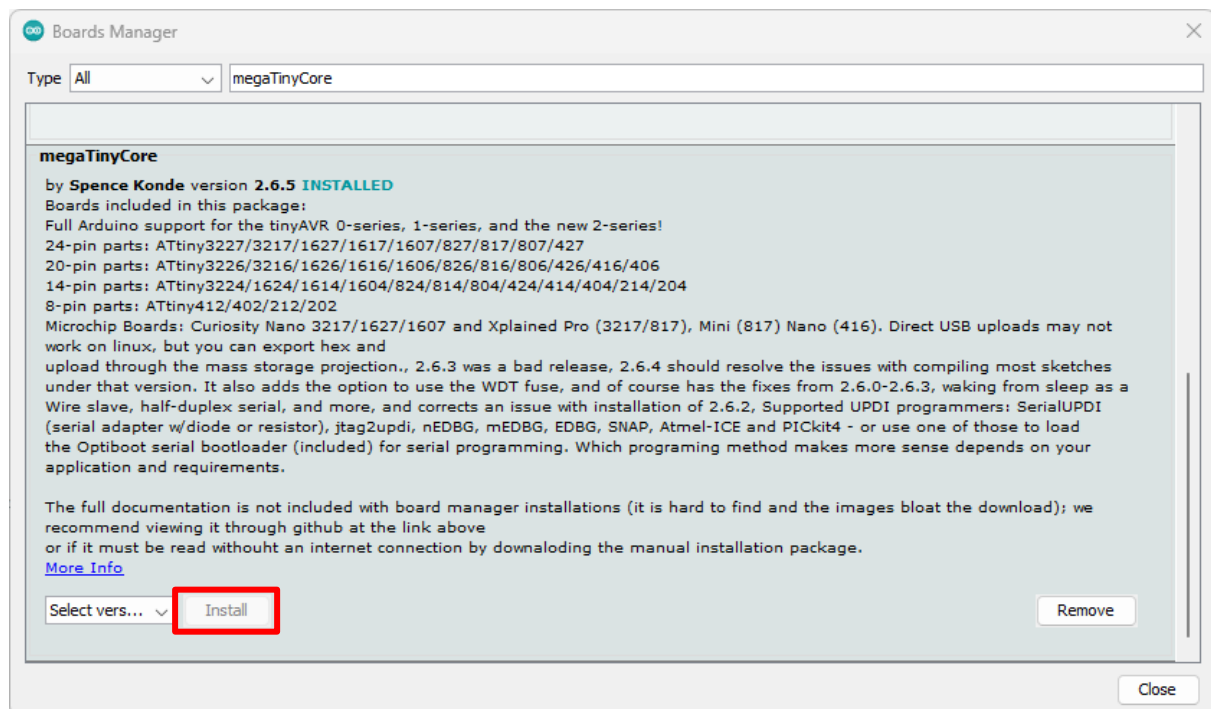
[http://drazzy.com/package\\_drazzy.com\\_index.json](http://drazzy.com/package_drazzy.com_index.json)

Please refer to the following link to get to the Board Library Developer:

[SpenceKonde \(Spence Konde \(aka Dr. Azzy\)\) \(github.com\)](#)

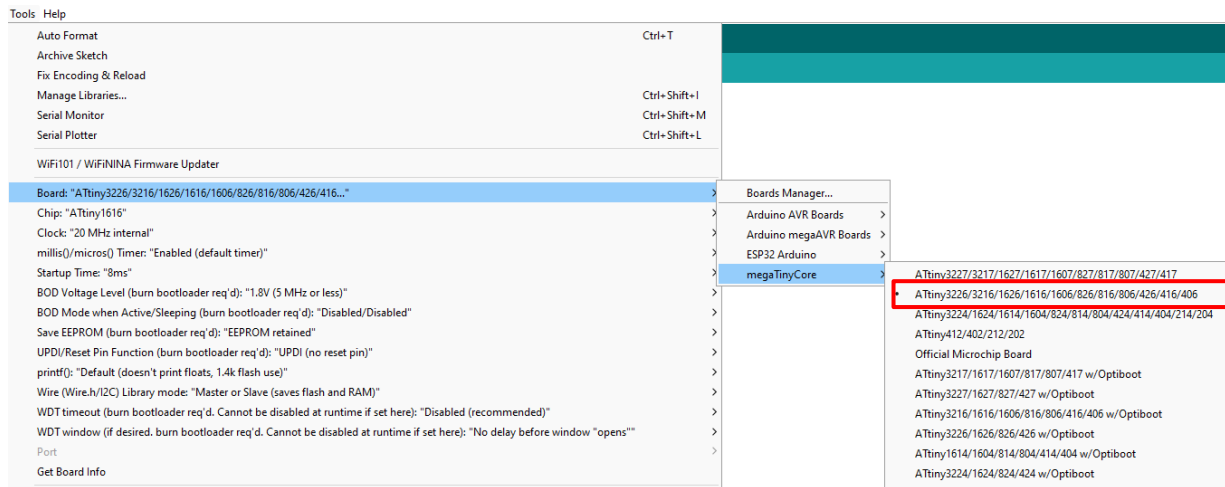


**Step 4:** Open the Board Manager and search for megaTinyCore. Then press Install.



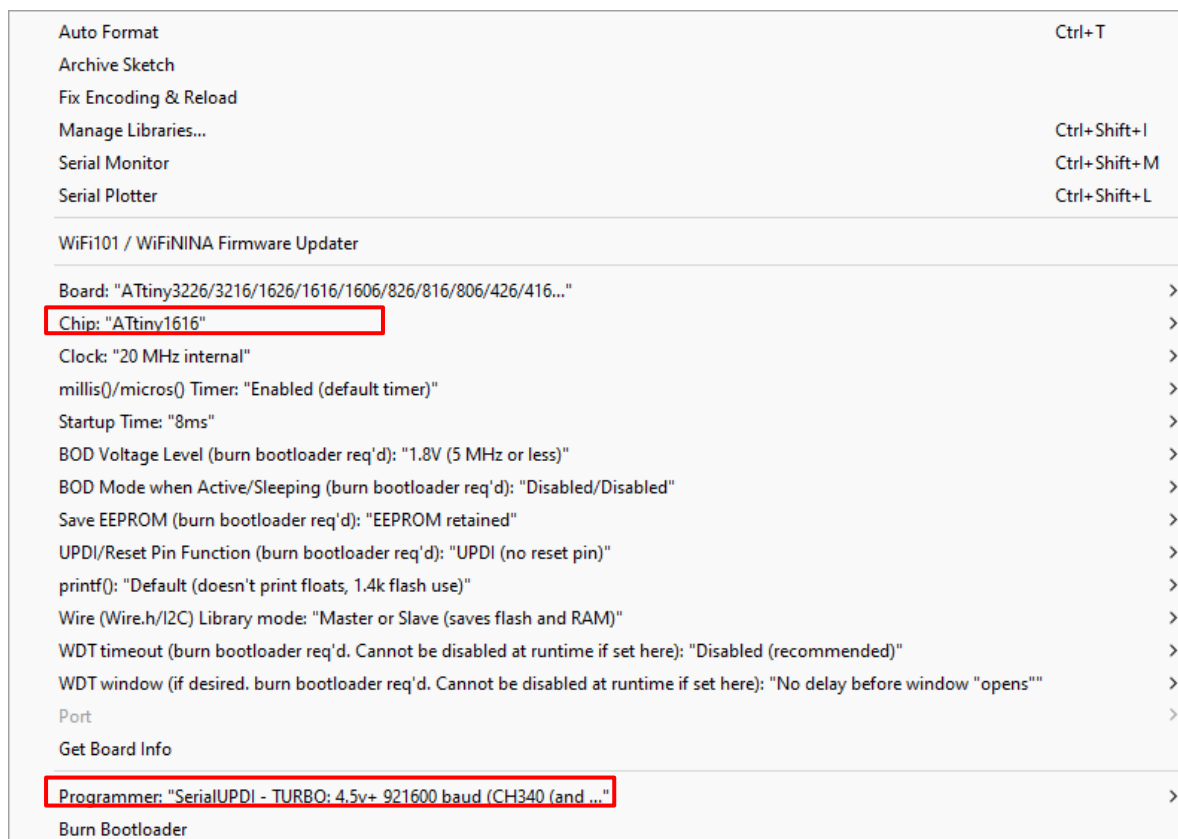


**Step 5:** Choose Tools -> Board -> megaTinyCore -> select ATtiny Series 1.

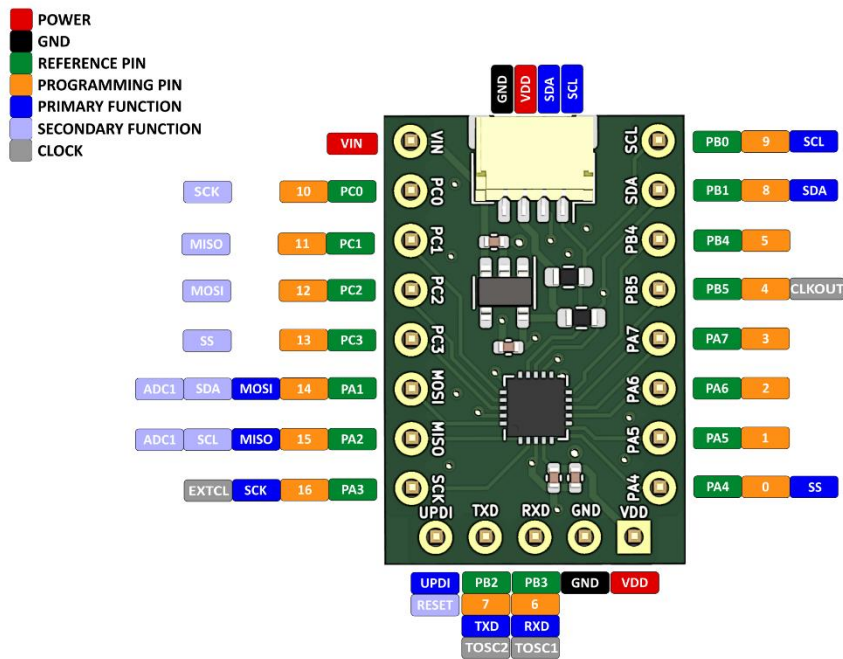


**Step 6:** Select ATtiny1616 in menu Chip. Connect the UPDI Programmer and select the appropriate Port. Select as Programmer „Serial UPDI“.

*Note: Depending on which Programmer you use a different Programmer must be chosen.*



## ATTiny Dev Board Pinout



## ATTiny Dev Board Dimensionen

