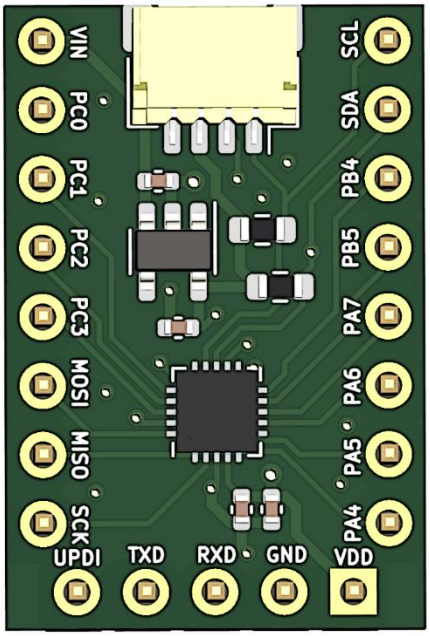
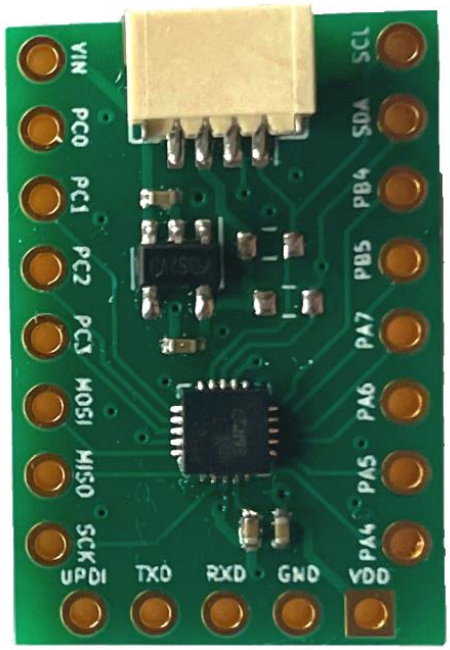
Quick Start Guide
ATTiny Development Board





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[jnr-technology/ATTiny-Development-Board (github.com)]

Description

Overview

- Development Board with ATTiny1616 Microcontroller up to 20MHz, 16KB Flash and 2KB SRAM
- Perfect for Low Cost Application
- Simple programming with Arduino DIE
- Programming with UPDI-Programer
- 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

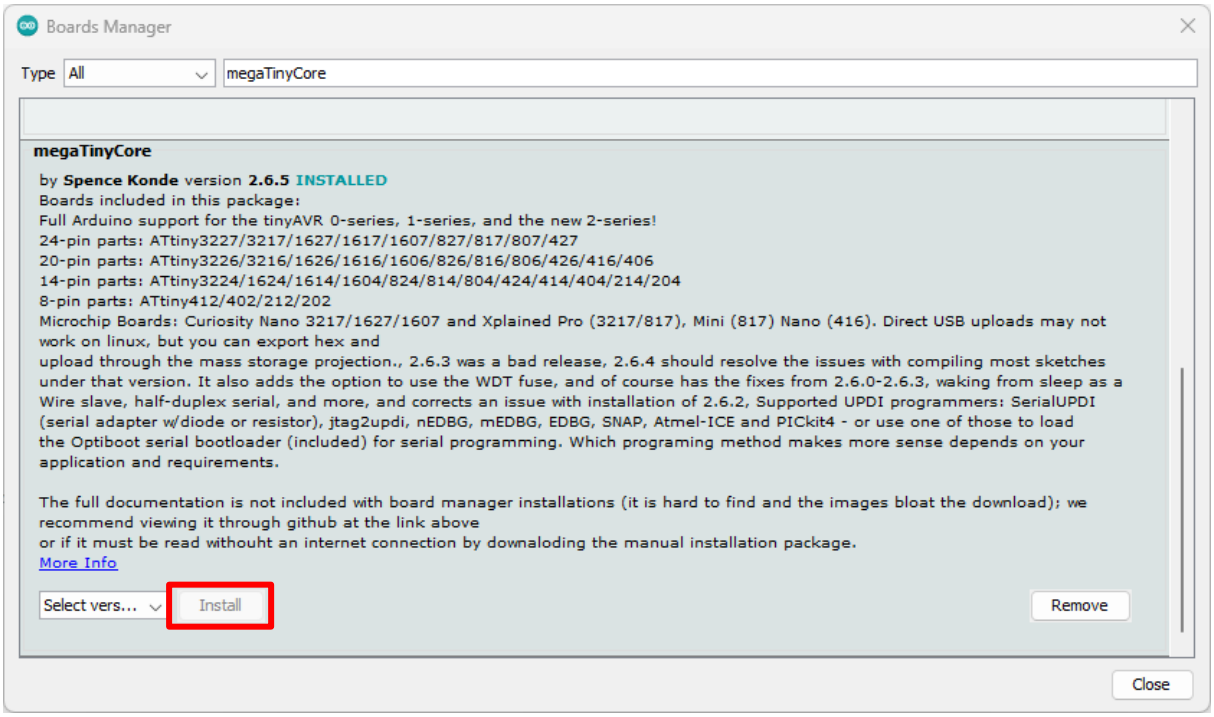
Step 2: File -> Preferences

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

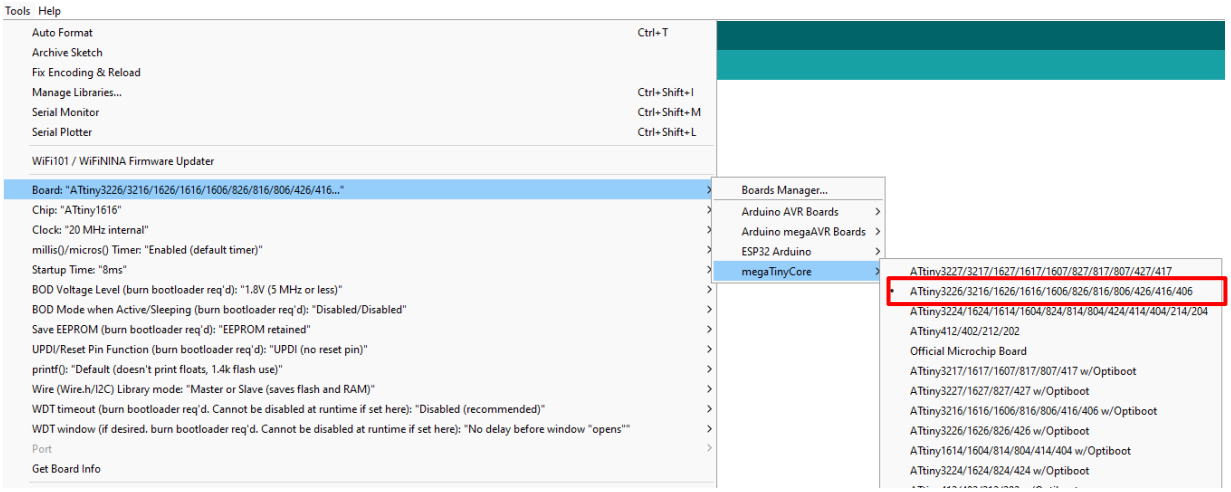
http://drazzy.com/package_drazzy.com_index.json

Please refere 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.

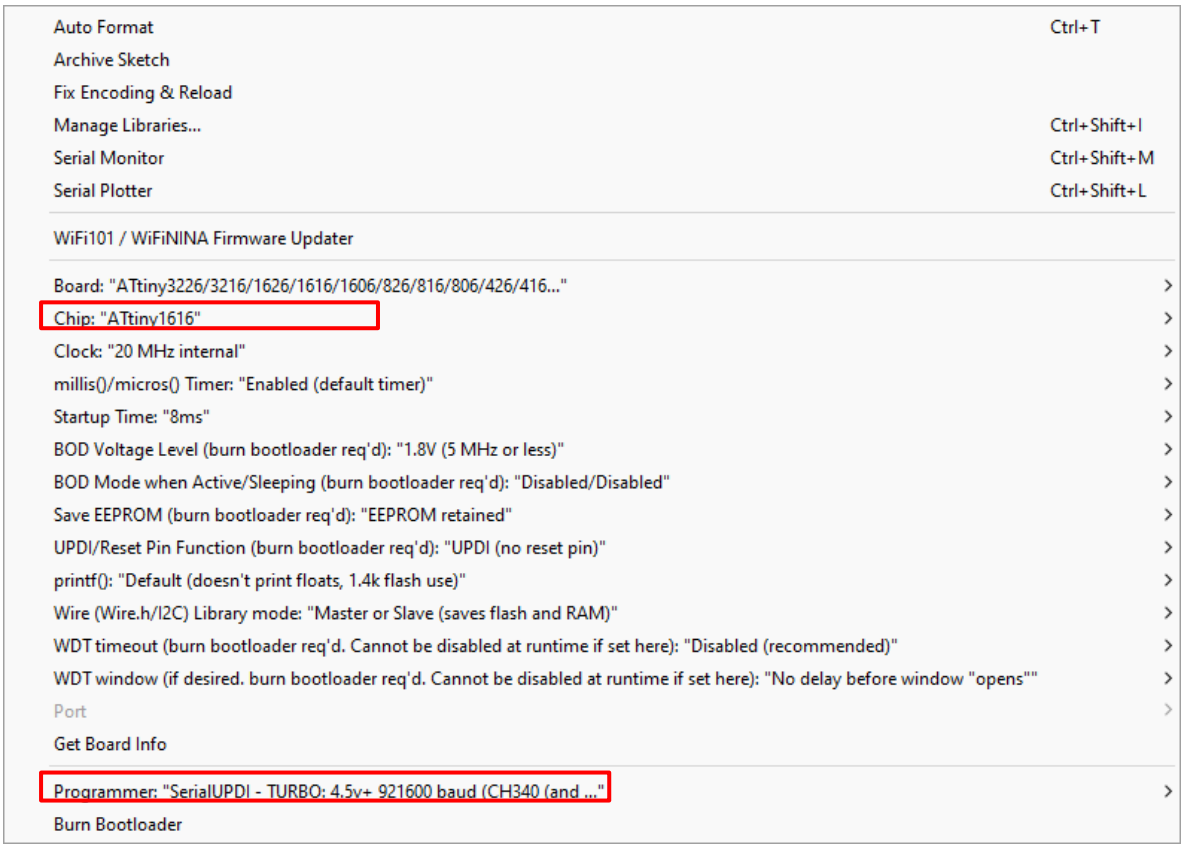


Step 5: Choose Tools -> Board -> megaTinyCore -> select ATTiny Series 1.

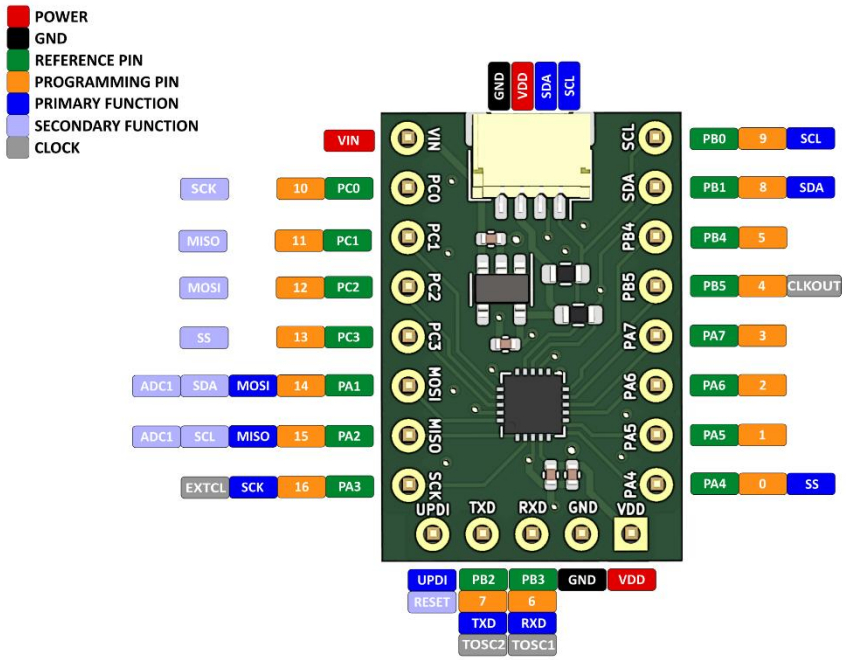
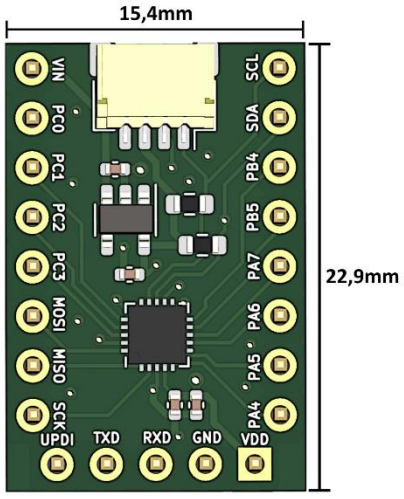


Step 6: Select ATTiny1616 in menu Chip. Connect the UPDI Programmer and select the appropriate Port. Select as Programmer „Serial UPDI“.

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



ATTiny Dev Board Pinout



ATTiny Dev Board Dimensionen