
Adafruit
Board*ToolkitLibraryDocumentation*
Release 1.0

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CircuitPython board identification and information

INSTALLING FROM PYPI

On supported GNU/Linux systems like the Raspberry Pi, you can install the driver locally [from PyPI](#). To install for current user:

```
pip3 install adafruit-board-toolkit
```

To install system-wide (this may be required in some cases):

```
sudo pip3 install adafruit-board-toolkit
```

To install in a virtual environment in your current project:

```
mkdir project-name && cd project-name  
python3 -m venv .env  
source .env/bin/activate  
pip3 install adafruit-board-toolkit
```


CONTRIBUTING

Contributions are welcome! Please read our [Code of Conduct](#) before contributing to help this project stay welcoming.

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3.1 Simple test

Ensure your device works with this simple test.

Listing 1: examples/board_toolkit_simpletest.py

```
1 # SPDX-FileCopyrightText: Copyright (c) 2021 Dan Halbert for Adafruit Industries
2 #
3 # SPDX-License-Identifier: Unlicense
4
5 import adafruit_board_toolkit.circuitpython_serial
6
7 comports = adafruit_board_toolkit.circuitpython_serial.repl_comports()
8 if not comports:
9     raise Exception("No CircuitPython boards found")
10
11 # Print the device paths or names that connect to a REPL.
12 print([comport.device for comport in comports])
```

3.2 adafruit_board_toolkit

CircuitPython board identification and information

- Author(s): Dan Halbert for Adafruit Industries

`adafruit_board_toolkit.circuitpython_serial.comports()` → Sequence[ListPortInfo]

Return all the comports recognized as being associated with a CircuitPython board.

`adafruit_board_toolkit.circuitpython_serial.data_comports()` → Sequence[ListPortInfo]

Return all comports presenting a CircuitPython serial connection used for data transfer, not the REPL.

`adafruit_board_toolkit.circuitpython_serial.repl_comports()` → Sequence[ListPortInfo]

Return all comports presenting a CircuitPython REPL.

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