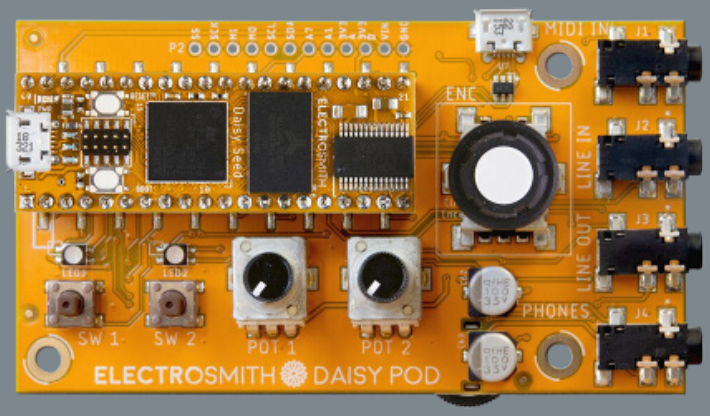
Daisy Pod

Breakout Board for the Daisy Seed



Features:

- Daisy Seed breakout board for line level audio applications
- USB Powered (microUSB port via Daisy Seed)
- Peripheral controls:
  - 2 plastic potentiometers, 10KB
  - 1 clicked encoder, D shaft
  - 2 tactile switches
  - 2 RGB LEDs
  - 1 rotary headphone volume control
- Board connectors
  - 3.5mm jacks for stereo audio I/O
  - 3.5mm TRS MIDI input jack
  - 3.5mm stereo headphone jack
  - 1 onboard microUSB port
  - Extra pinouts for sensors and OLED screens
  - Extra pinouts for power and ground
- Open source hardware (MIT license)
- Comprehensive API including DSP building blocks, hardware functionality, and more.
- Daisy Seed onboard:
  - 96kHz / 24-bit audio hardware
  - 64MB of SDRAM for up to 10 minute long audio buffers
  - ARM Cortex-M7 MCU, running at 480MHz
  - 31 total GPIO pins with configurable functionality
  - 12-bit Digital to Analog Converters (x2)
  - SD card interfaces
  - PWM outputs
  - Serial Protocols for connecting external sensors and devices (SPI, UART, I2s, I2C)
  - Dedicated VIN pin for power
  - Micro USB port, and additional USB pins for full OTG-support as host and device

Applications:

- Line level audio devices
- DSP prototyping
- Educational purposes

Description

Start programming the Daisy without breadboarding! The Pod is a USB powered breakout board for the Daisy. With stereo line level I/O, MIDI input and headphone output with a dedicated volume control, this is the feature-packed, small-form breakout to get started with for development.

Includes x1 Daisy Seed

Ordering Information

To order the Daisy Pod for volume purchases, tax exempt purchases, and the like, refer to table 1. For all other orders, see the product web page.

Order Code	Description	Target Board	Product Link
ES_Daisy_Pod	Daisy Breakout Board	Daisy Seed	link

Development Environment

System Requirements

- Windows® OS, Linux® 64-bit, or macOS®
- microUSB cable, Type-A
- 3.5mm headphones and/or 3.5mm audio jack to speakers

Toolchains & Recommended Development Software

- Daisy Toolchain
- VS Code

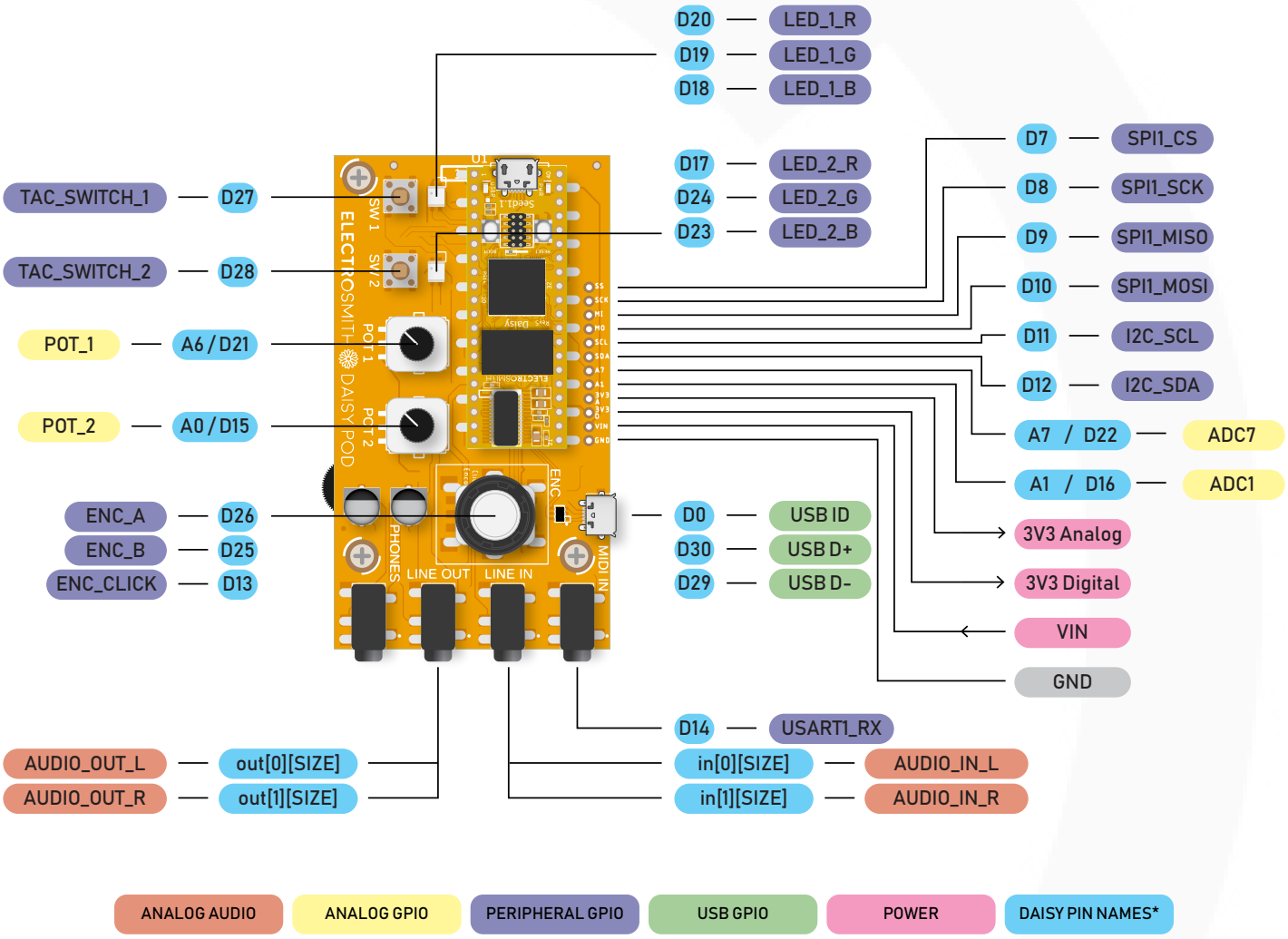
For additional reference documentation and both hardware and software examples for the Daisy Seed, head to the Daisy support site.

Tutorials

Get started with your Daisy Pod by following our guided programming tutorials.

- C++
- Arduino
- Oopsy

Pod Pinout



* “D” for Digital GPIO or “A” for Analog I/O, depending on use case.

Changelog

RELEASE	DATE	DESCRIPTION
v1.0	MAR/13/2025	• Initial release

Colophon