

PRODUCT DATASHEET



USB-C Female Connector Breakout

333011

The USB-C Female Breakout Board simplifies DIY projects with easy access to USB-C signals, enhancing power delivery and data transfer.

Full product documentation, files and tutorials: solde.red/333011

CORE ATTRIBUTES

SKU 333011

WEIGHT 5 g

BARCODE 732388675302

DESCRIPTION

Unlock the full potential of your DIY projects with our versatile USB-C Female Breakout Board. Designed for seamless integration, this board provides easy access to all USB-C signals which have been exposed as breadboard-compatible pins, including VBUS, GND, CC1, CC2, D+, and D-. Whether you're powering a custom device, transferring data, or experimenting with new prototypes, this breakout board simplifies USB-C connectivity, making it a tool for hobbyists and professionals. Its design ensures reliable performance, bridging the gap between modern USB-C technology and traditional prototyping methods.

Engineered with Arduino compatibility in mind, this USB-C breakout board is perfect for makers looking to upgrade their projects with the latest connectivity standards. Say goodbye to outdated USB-A or Micro-USB connections and choose the high-power capabilities of USB-C. It's ideal for a wide range of applications, from custom mechanical keyboards and embedded systems to smart home devices and portable gadgets.

Enhanced power delivery and faster data transfer rates, improving how you interact with your creations. This breakout board not only facilitates power and data but also supports advanced features like Power Delivery (PD) when paired with compatible controllers, opening up possibilities for more demanding applications. Its compact form factor and ease of use make it a choice for anyone seeking a reliable, future-proof USB-C solution for their Arduino, Raspberry Pi, or other microcontroller-based projects. Elevate your designs with the efficiency and convenience of USB-C.

Product usage tips:

Male headers that are included need to be soldered to the board. The breakout board has two mounting holes and can be placed on any surface.

TECHNICAL DETAILS

- **Connectors:** USB Type-C (female)

- **Mounting holes:** 2
- **Dimensions:** 22 × 22 mm / 0.9 × 0.9 inch

SPECIFICATIONS

INTERFACE	Usb
QWIIC COMPATIBLE	No
BREADBOARD COMPATIBLE	Yes

LINKS

Open Source Hardware Files	https://github.com/SolderedElectronics/USB-C-female-connector-breakout-hardware-design
Pinout	https://cms.soldered.com/products/333011/media/333011_pinout-png_8474d6.svg

GALLERY

