

# Micro SD Breakout (Revision A)

This is a breakout for any micro SD socket, allowing you to conveniently and nondestructively access whatever pins the socket has been internally connected to. This kit was designed specifically for the Teensy 3.5/3.6 where it facilitates access to 6 otherwise-inaccessible GPIO pins. However, you can use this kit with any standard micro SD socket that has enough space.

Included are two small PCBs: one mimics a micro SD card, the other fits into a standard breadboard. A ribbon cable (included) is used to connect the two boards. The breadboard-side PCB has markings on both sides: one side shows Teensy-relevant signals, the other shows generic SD card signals. When you assemble the pin headers (also included) you decide which markings you want to be facing up.

## Included Parts

- **(1×)** Socket-side bare printed circuit board
- **(1×)** Breadboard-side bare printed circuit board
- **(1×)** 8-pin (2 rows × 4 pins) female IDC ribbon cable, 12 in (30.5 cm) length
- **(2×)** 8-pin (2 rows × 4 pins) through-hole male header, 0.1 in (2.54 mm) pin spacing
- **(2×)** 4-pin (1 row × 4 pins) through-hole male header, 0.1 in (2.54 mm) pin spacing

## Detailed Specs

- **Socket-side PCB**
  - **Dimensions** — 0.43 in (11.0 mm) × 0.84 in (21.26 mm)
  - **Surface Area** — 0.36 in<sup>2</sup> (2.34 cm<sup>2</sup>)
  - **Thickness** — 0.031 in (0.8 mm)
- **Breadboard-side PCB**
  - **Dimensions** — 0.45 in (11.43 mm) × 0.85 in (21.59 mm)
  - **Surface Area** — 0.38 in<sup>2</sup> (2.47 cm<sup>2</sup>)
  - **Thickness** — 0.063 in (1.6 mm)

## Contact Info

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*If you have any concerns or problems please contact me at the email address above.*