

Teensy 3.5/3.6 Breakout

(Revision A, Standard)

This is a breakout for the Teensy 3.5 and Teensy 3.6 development boards by PJRC. Included are all the pin headers you need to assemble it, a switch to select between USB or external power, and a switch to set the USB host port's power mode (3.6 only). As an option during assembly, you can use the included jumpers (with pin headers) in place of the switches. This breakout can also optionally be assembled with the **Teensy 3.5/3.6 Socket Kit** (available separately).

This **Standard Edition** breaks out every signal along two rows of pins. It also has two mounting holes, pads for a full-size USB host port (3.6 only), and a proto area with power and ground rails.

Included Parts (a visual part identification sheet is attached)

| | Count | Part Type | Pos. | Tech. | Rows | Pins | Mfr. | Part Number/Desc. |
|----------|-------|---------------|------|-------|------|------|----------|-------------------------|
| A | 1 | Bare PCB | 80 | TH | 2 | 40 | Tall Dog | Standard REV-A |
| B | 4 | Male Header | 40 | TH | 1 | 40 | Generic | Standard |
| C | 1 | Male Header | 10 | SMD | 2 | 5 | Generic | Standard |
| D | 1 | Male Header | 8 | SMD | 2 | 4 | Generic | Standard |
| E | 1 | Male Header | 6 | SMD | 2 | 3 | Generic | Standard |
| F | 4 | Pogo Pin | 1 | TH | 1 | 1 | Mill-Max | 0906-1-15-20-75-14-11-0 |
| G | 2 | Slide Switch | 3 | TH | 1 | 3 | Generic | SS12D00G3 |
| H | 2 | Jumper | 2 | TH | 1 | 2 | Generic | Standard |
| I | 1 | USB-A Jack | 4 | TH | 1 | 4 | Generic | Standard |
| J | 2 | Machine Screw | 1 | TH | 1 | 1 | Generic | #6-3/16, Pan, Stainless |

Detailed Specs

- **Grid Spacing** — 0.1 in (2.54 mm)
- **Board Dimensions** — 4.0 in (101.6 mm) × 1.0 in (25.4 mm)
- **Board Surface Area** — 4.0 in² (25.81 cm²)
- **Board Thickness** — 0.063 in (1.6 mm)
- **Number of Breakout Pins** — 80 pins (2 rows × 40 pins)
- **Row Spacing** — 0.9 in (22.86 mm)
- **Number of Mounting Holes** — 2 holes
- **Mounting Hole Distance** — 2.95 in (74.93 mm)
- **Mounting Hole Diameter** — 0.15 in (3.81 mm)
- **Mounting Hole Pad Diameter** — 0.27 in (6.858 mm)

Contact Info

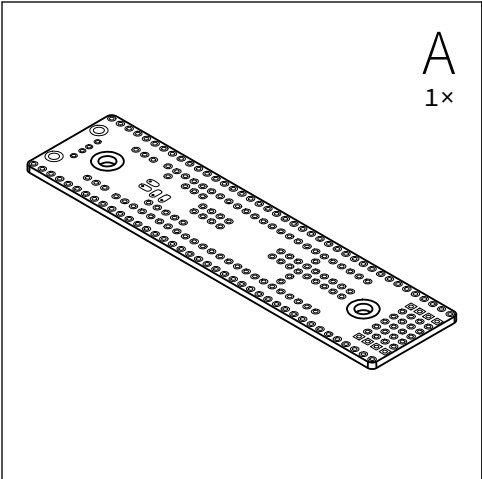
Name — Daniel Gilbert

Website — tall-dog.com

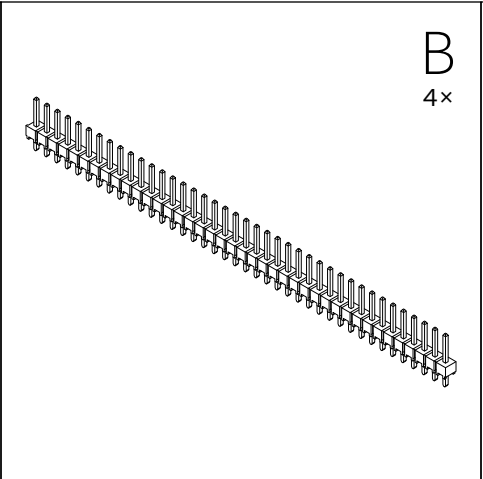
Email — contact@tall-dog.com

Recommended Tools

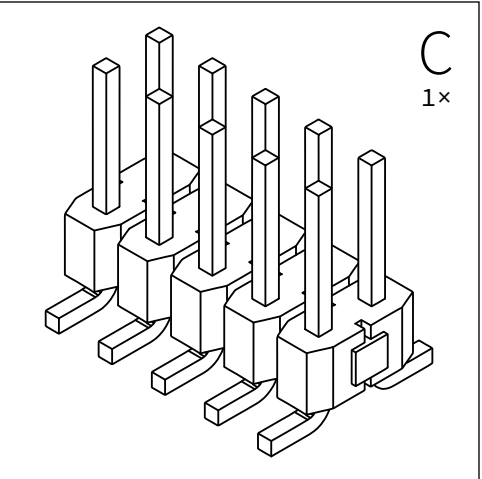
- Soldering iron
- Solder and flux
- Breadboard
- Diagonal cutters
- Blue tape
- Razor blade



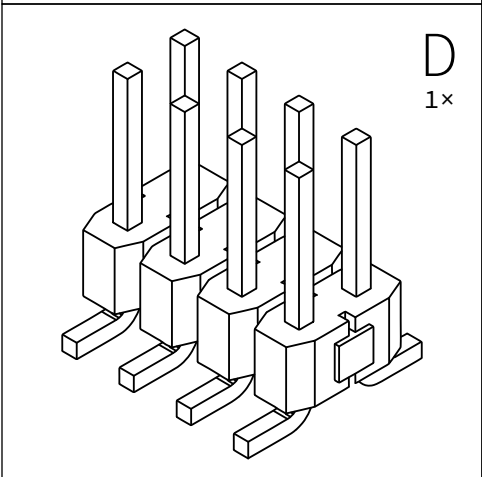
A
1x



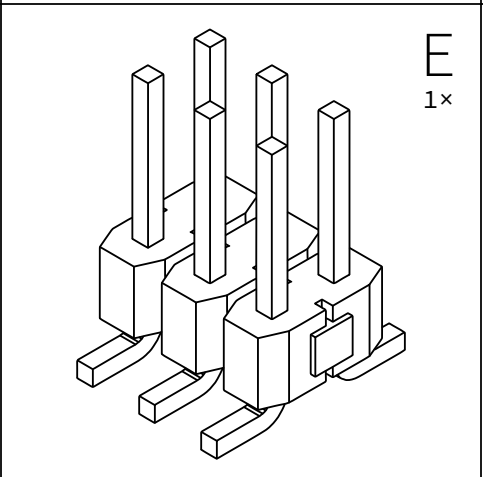
B
4x



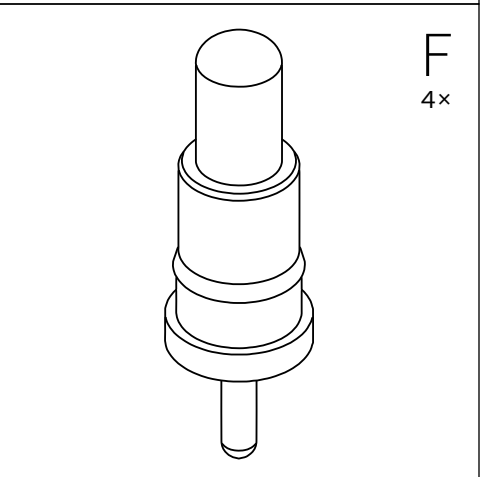
C
1x



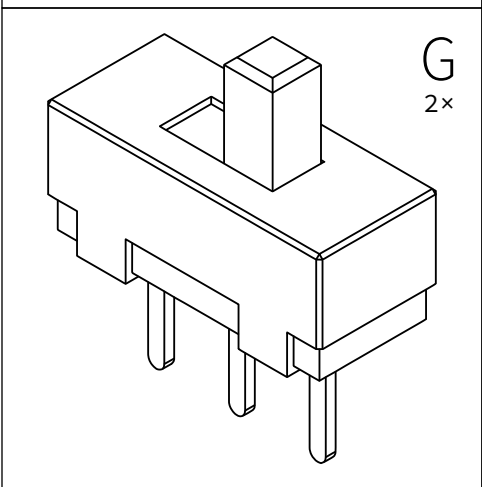
D
1x



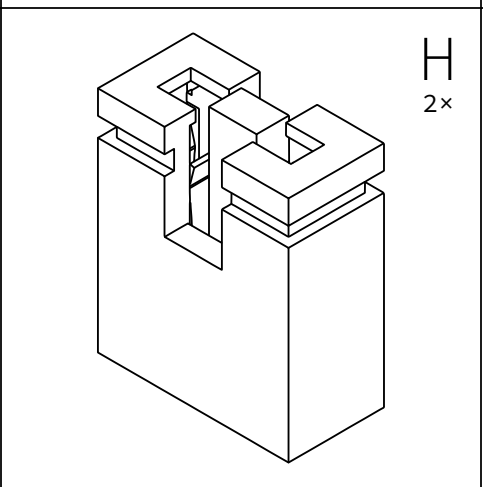
E
1x



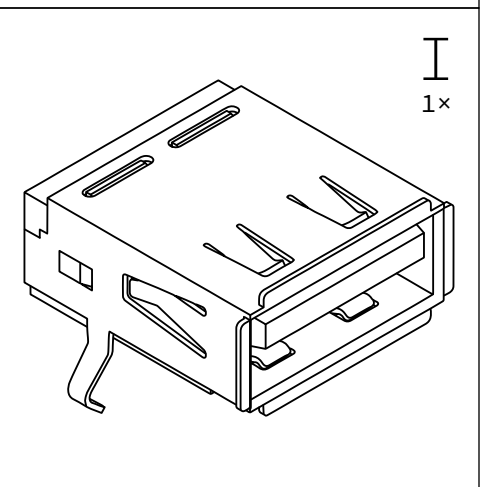
F
4x



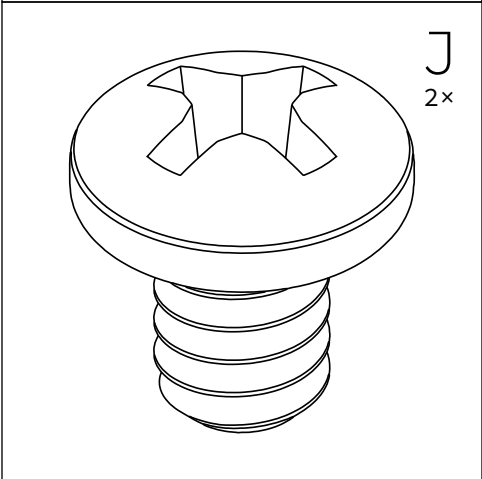
G
2x



H
2x



I
1x



J
2x

Teensy 3.5/3.6 Breakout

Standard Edition

Revision A

Legend

Voltage Pins

Ground Pins

Digital Pins 58/58

Analog Pins 27/25

PWM Pins 20/22

Touch Sense Pins 0/11

Serial Ports 6/6

I2C Ports 3/4

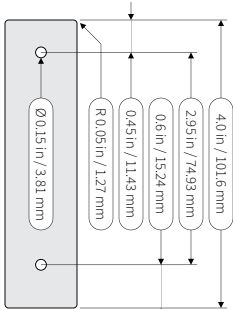
SPI Ports 3/3

CAN Bus Ports 1/2

Alternate Functions

Teensy 3.5 Only

Teensy 3.6 Only



Teensy by PJRC
pjrc.com
Breakout by Tall Dog
tall-dog.com

