USB-BM-BO-V1A

1. Description:

USB-BM-BO-V1A is a simple USB Type B male plug breakout board. It brings all 4 pins of a USB2.0 connector to screw terminal blocks and headers for easy testing, prototyping and breadboard connection. For breadboard connections, user can use the 5pin header on the bottom for a sideways connection. User can also use the two 5pin headers on both sides of the breakout board to connect to the front end of the breadboard for a steady connection.

2. Features:

- All 5 pins (including shield) of a USB Type B and micro USB Type B male connector brought out to headers and screw terminal blocks
- Various connecting method chosen by users.
- 0.80"(20.32mm)X0.7"(17.78mm) board dimensions

3. Parts:

1) *1pc* X **USB-BM-BO-V1A PCB**
2) *1pc* X **USB Type B Female connector**
3) *1pc* X **5pin0.1"(2.54mm) spacing terminal block**
4) *1pc* X **10pin0.1"(2.54mm) header**

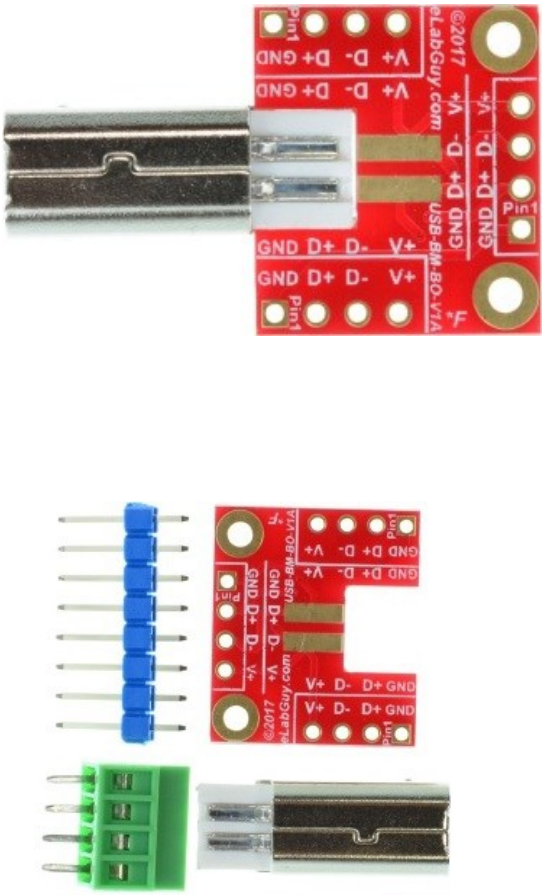


Figure 1: Parts inside the kit
(Note: the module is not assembled, user can decide which connector to use on the module.)

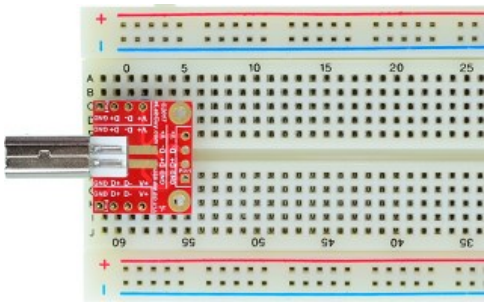


Figure 2: Example of connecting the USB-BM-BO-V1A *on a breadboard*

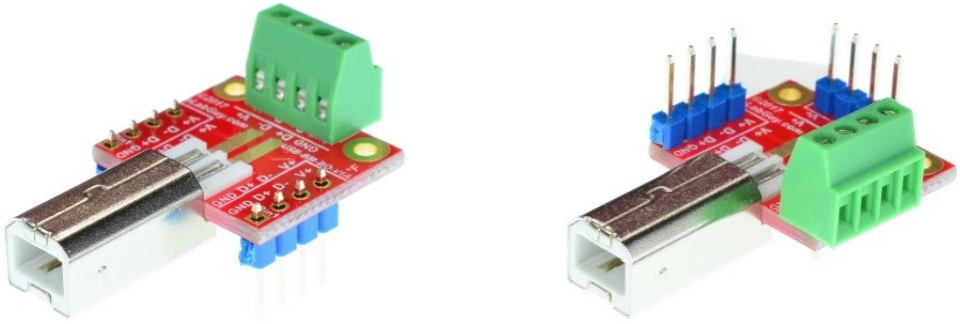


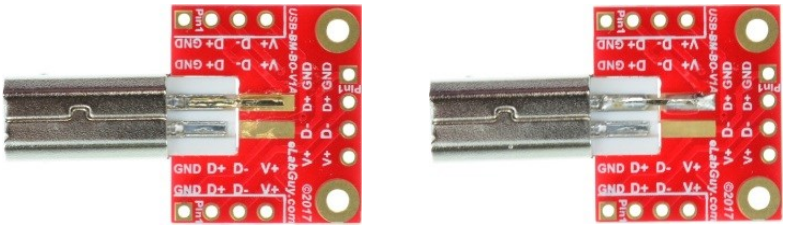
Figure 3: USB-BM-BO-V1A *Various connections*

Assembly instruction:

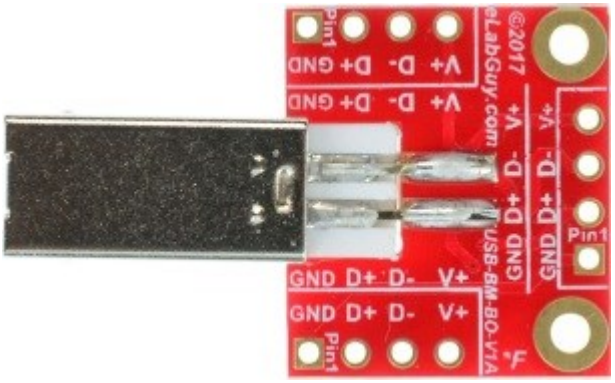
Step 1: *Pull 4 metal pins from the headers and cut around 2mm length*

Step 2: *Place the USB Type B Male connector on the PCB as below*

Step 3: *Place one of the cut metal pins across the USB Type B connector and PCB and solder the pin to the connector and PCB*



Step 4: *solder the other 3 metal pins on the PCB and USB connector.*



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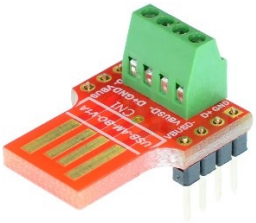

USB-AM-BO-V1A

USB-AF-BO-V1A

USB-BF-BO-V1A