USB-uBM-AF-V1A

1. Description:

USB-uBM-AF-V1A is a simple micro USB2.0 Type B Male to USB2.0 Type A Female pass-through adapter breakout board. It brings all 5 pins of a micro USB2.0 Type B Male and a USB2.0 Type A Female connector to screw terminal blocks and headers for easy testing, prototyping and breadboard connection. All 5 pins of the Male connector directly connect to the Female connector. There is an open circuit between the two VCC pins where you can us a jumper to short it or use the two pins in series to measure DC current. User can also use the two 5 pins headers on both sides of the breakout board to connect to breadboard or prototype PCB.

2. Features:

- All 5 pins of a micro USB2.0 Type B Male and a USB2.0 Type A Female connector brought out to headers and screw terminal blocks
- All 5 pins of a micro USB2.0 Type B Male connector directly connect to a USB2.0 Type A Female connector.
- Open circuit between VCC pins for measuring current.
- Various connecting method chosen by users.
- 1.0"(25.4mm)X0.8"(20.32mm) board dimensions

3. Parts:

1) *1pc* X **USB-uBM-AF-V1A PCB**
2) *1pc* X **micro USB2.0 Type B Male Connector**
3) *1pc* X **USB2.0 Type A Female Connector**
4) *1pc* X **5pin 0.1”(2.54mm) spacing terminal block**
5) *1pc* X **12pin 0.1”(2.54mm) header**
6) *1pc* X **0.1”(2.54mm) spacing jumper**

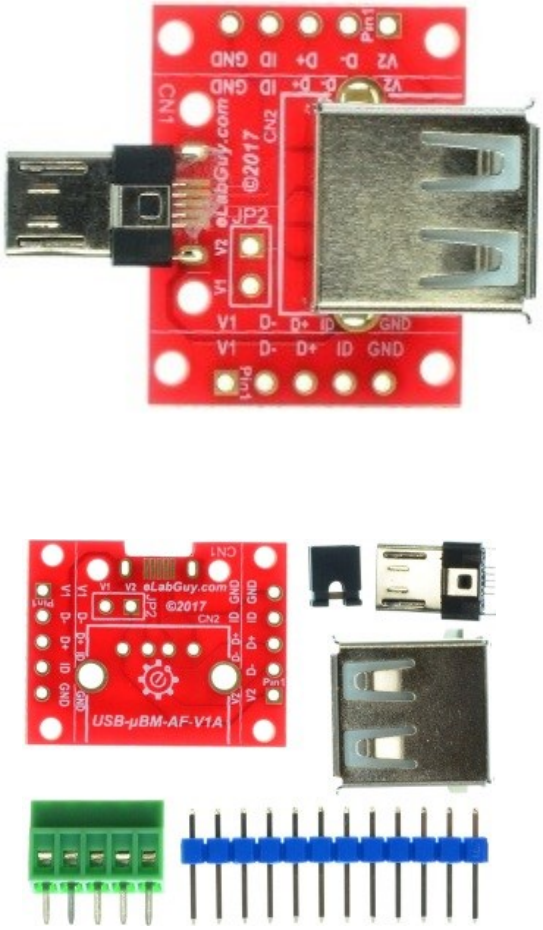

Figure 1: Parts inside the kit
(Note: the module is not assembled, user can decide which connector to use on the module.)

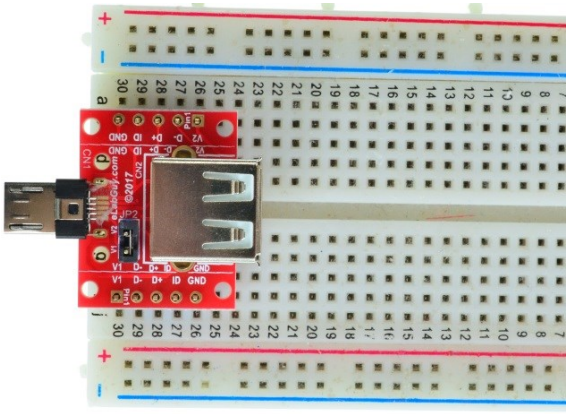

Figure 2: Example of connecting the USB-uBM-AF-V1A *on a breadboard (Note: This picture only shows the pins spacing, actual use may not be used on a breadboard)*

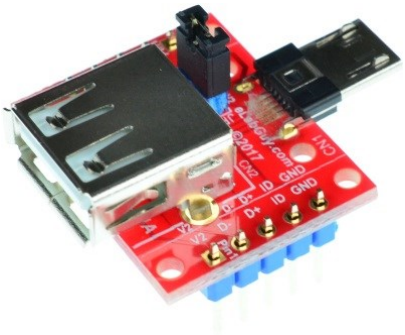

Figure 3: USB-uBM-AF-V1A *with headers*

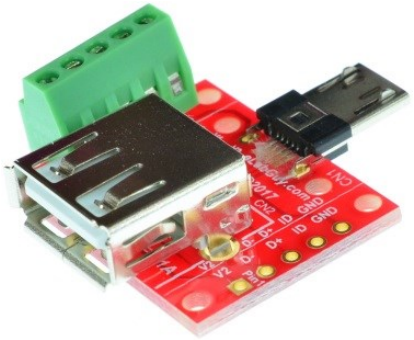

Figure 4: USB-uBM-AF-V1A *with terminal blocks*

Figure 5: PCB front with open circuit on VCC pin in series

Figure 6: PCB back with optional Jumper connects Shield to GND

Related products from eLabGuy:

USB-uBM-AF-V1A

USB-uBM-uBM-V1A

USB-uBM-AM-V1A

USB-uBM-BF-V1A

USB-uBM-mBF-V1A

USB-uBM-mBM-V1A