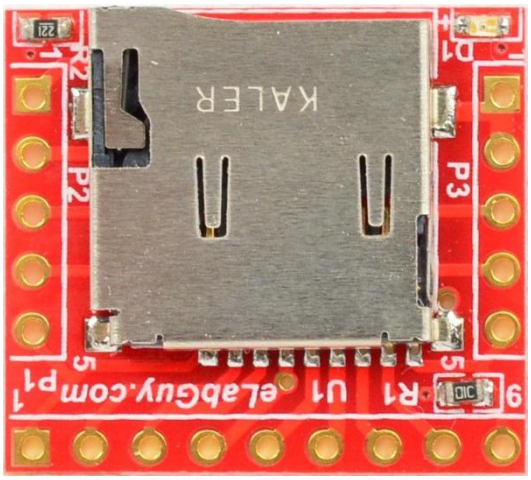
uSD-BO-V2A



1. Description:

uSD-BO-V2A is a simple microSD socket breakout board. It brings all 9 pins (includes a card detect pin) of a microSD connector to standard 0.1”(2.54mm)headers for testing, prototyping and breadboard connection. The card detect LED turns on when there is a microSD card inserted. For breadboard connections, user can use the 9pin 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. This module is great for LCD photo frame, MP3, data logger and more other projects.

2. Features:

- All 9 pins (including insert detect) of a microSD socket brought out to headers and screw terminal blocks
- Card insert pin tie to a pull up resistor
- Card detect LED turns on when card is inserted.
- Various connecting method chosen by users.
- 0.9”(22.86mm) X 0.8”(20.32mm) board dimensions

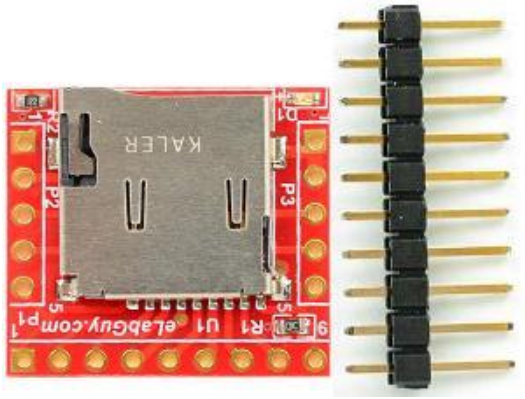


Figure 1: Parts inside the kit
Note: the header is not assembled, user can decide which connector to use on the module.

3. Parts:

- *1pc* X **uSD-B0-V2A PCBA**
- *1pc* X **10pin 0.1”(2.54mm) header**

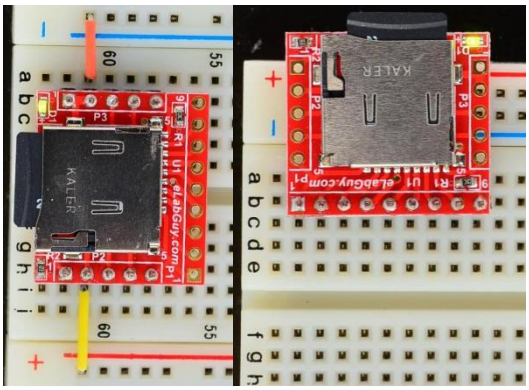


Figure 2: Examples of various methods for connecting the uSD-BO-V2A to a breadboard

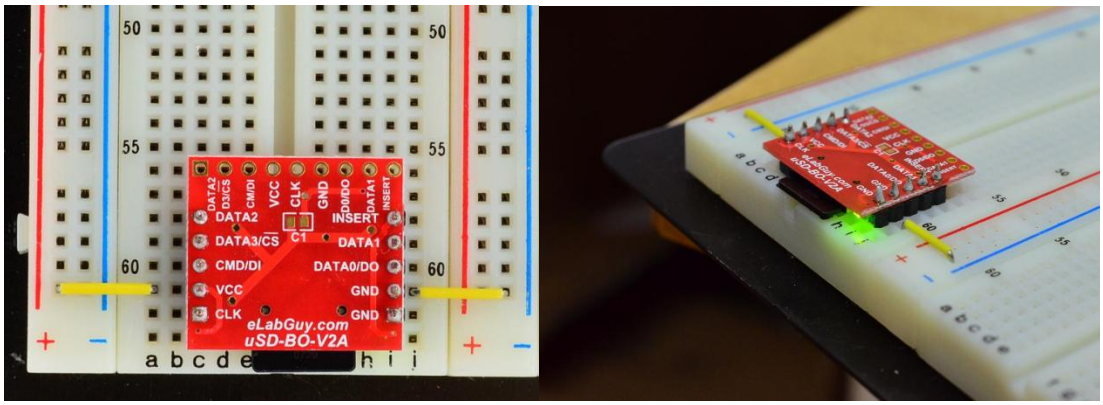


Figure 3: PCB bottom facing up

It is suggested to make the bottom of the PCB facing up for user to see the pin out marking.

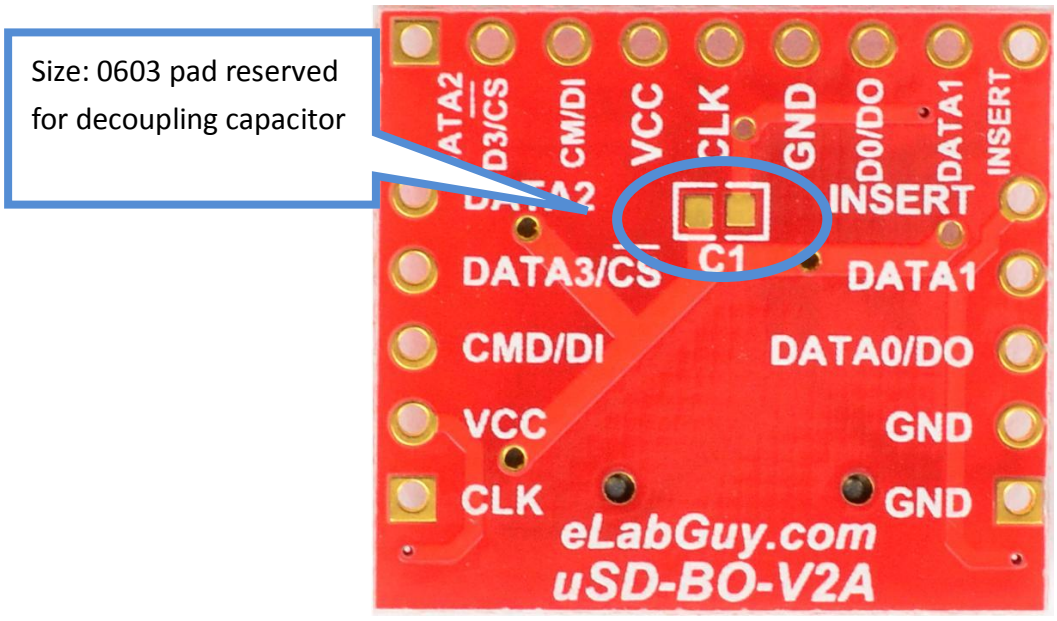


Figure 4: Optional Decoupling Capacitor

Optional decoupling capacitor (physical size: 0603) can be placed on the back of the uSD-BO-V2A.

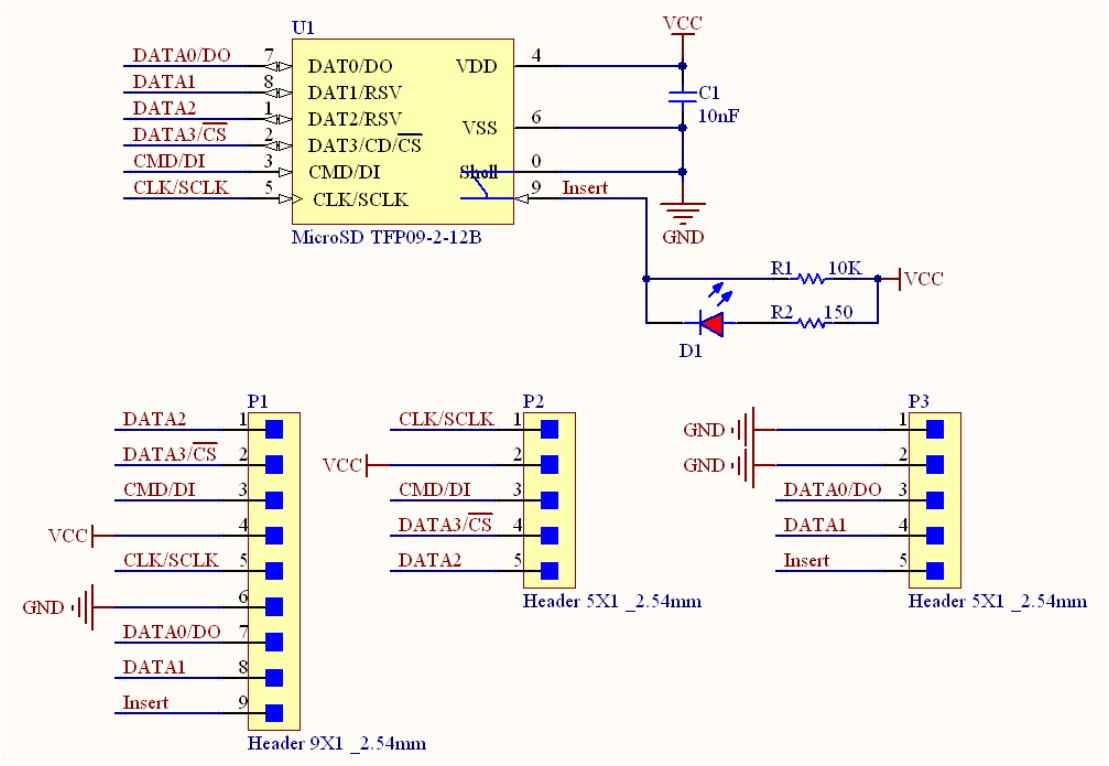


Figure 5: uSD-BO-V2A Schematic