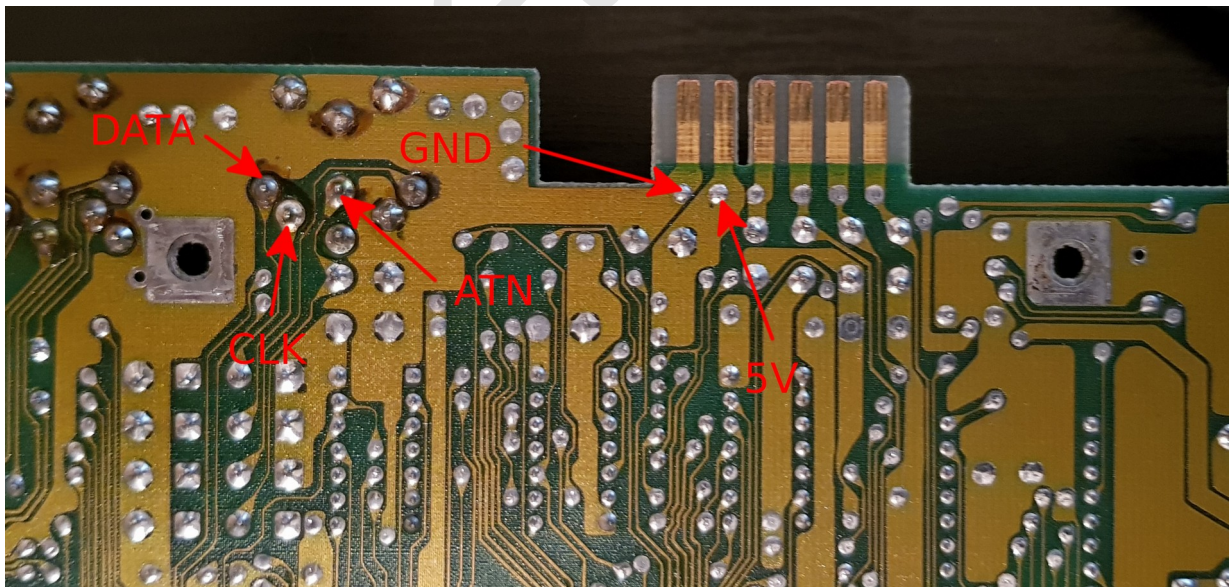SD2IEC Internal

# Installation

**Connector J1**

Pin 1 (Square hole)    GND
Pin 2    5V
Pin 3    LED1 (Optional. Connect to external LED using a 330R resistor)
Pin 4    LED2 (Optional. Connect to external LED using a 330R resistor)
Pin 5    IEC CLK (IEC Pin 4)
Pin 6    IEC DATA (IEC Pin 5)
Pin 7    IEC ATN (IEC Pin 3)

**Commodore 64 connection diagram**



**Double check the wiring before powering on. You risk damaging your computer and SD2IEC if the wiring is not correct.**

## Configure ID (Optional)

**Connector J4**

| | |
|---|---|
| Default | ID8 |
| Short 3-4 | ID9 |
| Short 1-2 | ID10 |
| Short 1-2 and 3-4 | ID11 |

*The ID can also be changed in the software, see sd2iec documentation.*

## Connecting buttons (Optional)

**Connector J5**

| | |
|---|---|
| Pin 1 | GND |
| Pin 2 | PREV |
| Pin 3 | NEXT |

## Upgrading firmware

The SD2IEC hardware is based on the m1284p SW2 model.

- Download the latest binary from https://sd2iec.de
- Copy the correct bin file to the SD card.
- Power on the device. The internal LED's (And external LED's if fitted) will flash for a few minutes during the upgrade.

See http://www.c64os.com/post/sd2iecdocumentation for detailed documentation