**Pi1541 – Switch Rev. 1**

**Module description**

# Description

The Pi1541-Switch is a detachable switch board for the Pi1541 HAT (project number 111). The connector to the Pi1541 HAT is placed on the solder side of the PCB.

# Switches

The switches have functions according to the firmware and configuration, which can be found at this website: [https://cbm-pi1541.firebaseapp.com/](https://cbm-pi1541.firebaseapp.com/%20%20)

The default configuration is:

|  |  |
| --- | --- |
| Switch | Function |
| SW1 (left) | Select/Reset |
| SW2 | Move Up/Previous Disk |
| SW3 | Move Down/Next Disk |
| SW4 | Exit Folder |
| SW5 (right) | Insert Disk |

# LEDs

|  |  |  |
| --- | --- | --- |
| LED | Color | Function |
| LD2 | Green | Power Indicator |
| LD1 | Red | Busy Indicator |

# Connector

X3: 8p Micro Match, female, THT (Tyco or alternative)

The ribbon cable can also be soldered in directly.

|  |  |
| --- | --- |
| Pin | Signal |
| 1 | /SW1 |
| 2 | /SW2 |
| 3 | /SW3 |
| 4 | /SW4 |
| 5 | /SW5 |
| 6 | LED\_OUT (LD1) |
| 7 | +3V3 |
| 8 | GND |

# Measures

Can be found in the board print out

# Revision History

Rev. 0: Prototype

Rev. 1: Moved the connector X3 to the solder side