# Pi1541-IEC Rev. 1

# Module Description

# Description

The Pi1541-IEC serves the Pi1541-HAT (project number 111) as an optional break out board for the IEC connectors. It also contains a barrel connector (5,5/2,5mm) for an alternative power supply connection plus an overvoltage protection. A reset switch for the IEC-bus can be placed. A ribbon cable plus a MicroMatch connector provide the connection to the Pi1541-HAT. A power switch can be connected to a pin header (JP1) near the barrel connector. If this is not desired, it can be closed with a solder bridge.

# Pinouts

## IEC-Bus

J1 and J2 – Lumberg 010599 06, 6p DIN receptacles

|  |  |
| --- | --- |
| Pin | Signal |
| 1 | /SRQ (not used in this design) |
| 2 | GND |
| 3 | ATN |
| 4 | CLK |
| 5 | DATA |
| 6 | /RESET |

## IEC Bus (to Pi1541 HAT)

X1 – 10p Micro Match receptacle, female, vertical, through hole, e.g. MPE Garry 369-1-010

|  |  |
| --- | --- |
| Pin | Signal |
| 1 | /SRQ (not used in this design) |
| 2 | GND |
| 3 | ATN |
| 4 | CLK |
| 5 | DATA |
| 6 | /RESET |
| 7 | +5V |
| 8 | +5V |
| 9 | GND |
| 10 | GND |

## +5VDC Power

5,5mm/2,5mm barrel connector

|  |  |
| --- | --- |
| Pin | Signal |
| Center | +5VDC |
| Shaft | GND |

# Prototype Testing

The prototype was tested together with Pi1541-HAT Rev. 1. Please refer to the respective document.

# Revision History

## Rev. 0 → Rev. 1

* Jumper JP1 added for connecting a power switch