RS485 Raspberry PI Hat Project USB and UART to RS485 converter Raspberry PI Hat

Status reading guide:

Draft: Early stage, ignore details. Preliminary: Almost finished, could have some errors.

Checked: There shouldn't be any error, inform if that isn't the case.

Released: The schematic belongs to a board sent to production.

Comments reading guide:

Compatibility

Design

Layout

User info

Status: Released

Release date: 18/06/23 (DD/MM/YY)

Variation: No variations

Number of layers: 2

Micro/blind/buried vias: No

Related files: BOM, gerber files and pick and place data

Number of sheets: 1

Note: — (+3P3) This is a global scope label.

— SWDIO This is a local (sheet) scope label.

RS485 Raspberry PI Hat Project V5 - 2023-06-18 (YY/MM/DD)

Mark not fitted components as:

Sheet: /

File: uw-rs485_hat-V5.kicad_sch

Title: RS485 Raspberry PI Hat board — Cover

 Size: A4
 Date: 2023-06-18
 Rev: V5

 KiCad E.D.A. kicad 7.0.2-1.fc38
 Id: 1/5

Index

Index:

| Name: | Pa | ge: |
|----------------------|-----------|-----|
| Front cover | • • • • • | 1 |
| Index | • • • • • | 2 |
| Power block diagram | • • • • • | 3 |
| Signal block diagram | | 4 |
| Schematic top level | | 5 |

Power block Diagram

Schematic top level

Name.

Signal block Diagram

RS485 Raspberry PI Hat board - Index V5 - 2023-06-18 (YY/MM/DD)

Sheet: /index/ File: index.kicad sch

Title: RS485 Raspberry PI Hat board — Index

Size: A4 Date: 2023-06-18 Rev: V5 KiCad E.D.A. kicad 7.0.2-1.fc38 ld: 2/5





