

This is the Revision C version of the Serial1 Module. The status of this project is work in progress.

Serial1 Module (Revision A)

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1. Introduction

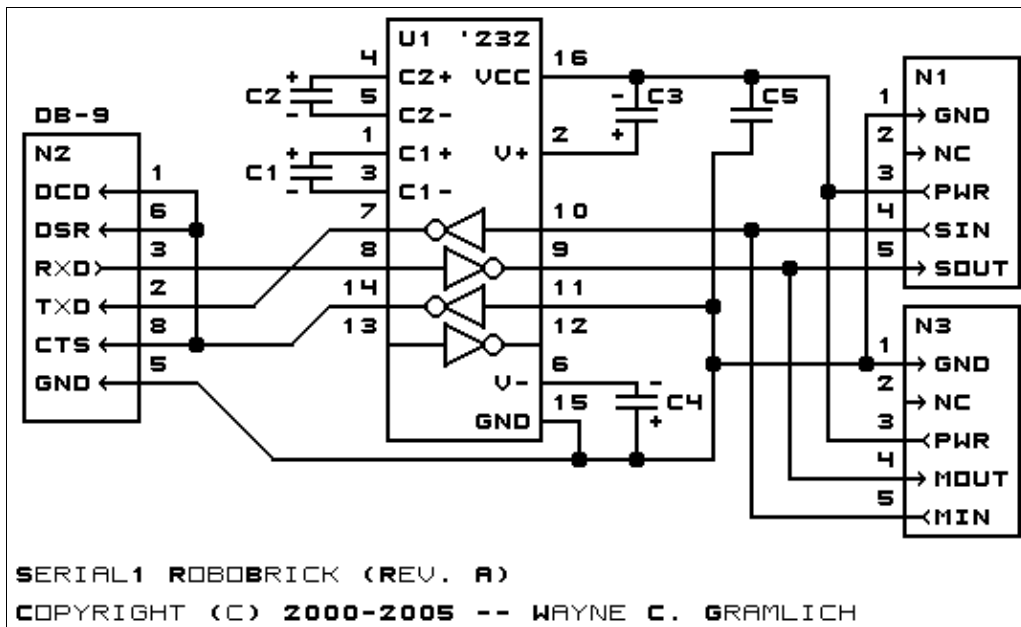
The Serial1 Module is a Module that connects a master Module to a computer via a standard 4-wire telephone cord extension.

2. Hardware

The hardware consists of a circuit schematic and a printed circuit board.

2.1 Circuit Schematic

The schematic for the Serial1 Module is shown below:



The parts list kept in a separate file -- serial1.ptl.

2.2 Printed Circuit Board

The printed circuit board files are listed below:

[serial1_back.png](#)

The solder side layer is shown below:

[serial1_front.png](#)

The component side layer is shown below:

[serial1_artwork.png](#)

The optional artwork layer is shown below:

[serial1.gbl](#)

The RS-274X "Gerber" back (solder side) layer.

[serial1.gtl](#)

The RS-274X "Gerber" top (component side) layer.

[serial1.gal](#)

The RS-274X "Gerber" artwork layer.

[serial1.drl](#)

The "Excellon" NC drill file.

[serial1.tol](#)

The "Excellon" NC drill rack file.

3. Issues

The following fabrication issues need to be addressed:

- Use electrolytic capacitors instead of tantalum capacitors.
- Perhaps move the connector in some.

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