This is the Revision C version of the Tether RoboBrick. The status of this project is work in progress.

Tether Robobrick (Revision B)

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1. Introduction

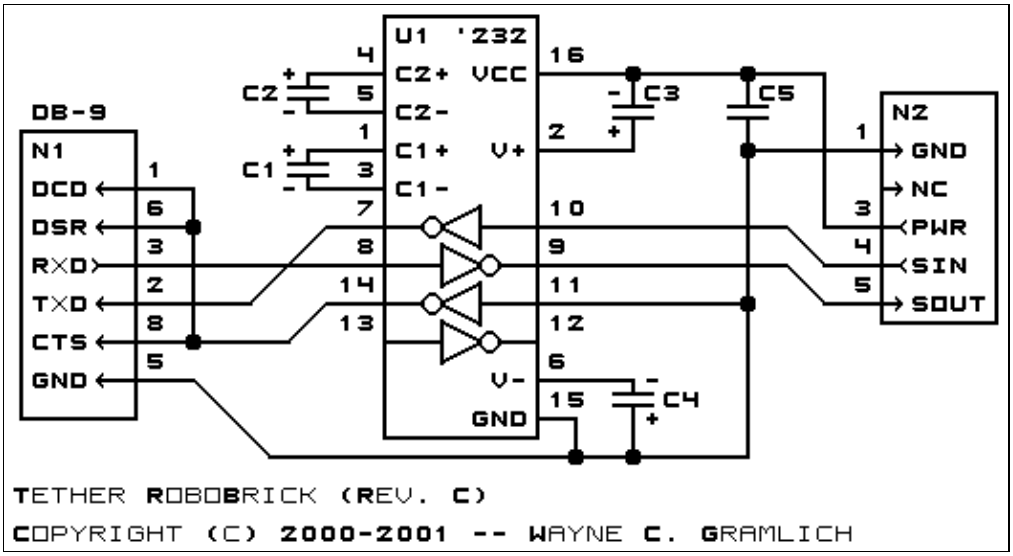
The Tether RoboBrick is a RoboBrick that connects a master RoboBrick to a computer via a stanadard 4−wire telephone cord extension.

2. Hardware

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

2.1 Circuit Schematic

The schematic for the Tether RoboBrick is shown below:



The parts list kept in a separate file −− tether.ptl.

2.2 Printed Circuit Board

The printed circuit board files are listed below:

tether_back.png
: The solder side layer is shown below:

tether_front.png
: The component side layer is shown below:

tether_artwork.png
: The optional artwork layer is shown below:

tether.gbl
: The RS−274X "Gerber" back (solder side) layer.

tether.gtl
: The RS−274X "Gerber" top (component side) layer.

tether.gal
: The RS−274X "Gerber" artwork layer.

tether.drl
: The "Excellon" NC drill file.

tether.tol
: The "Excellon" NC drill rack file.

3. Issues

Any fabrication issues are listed here.

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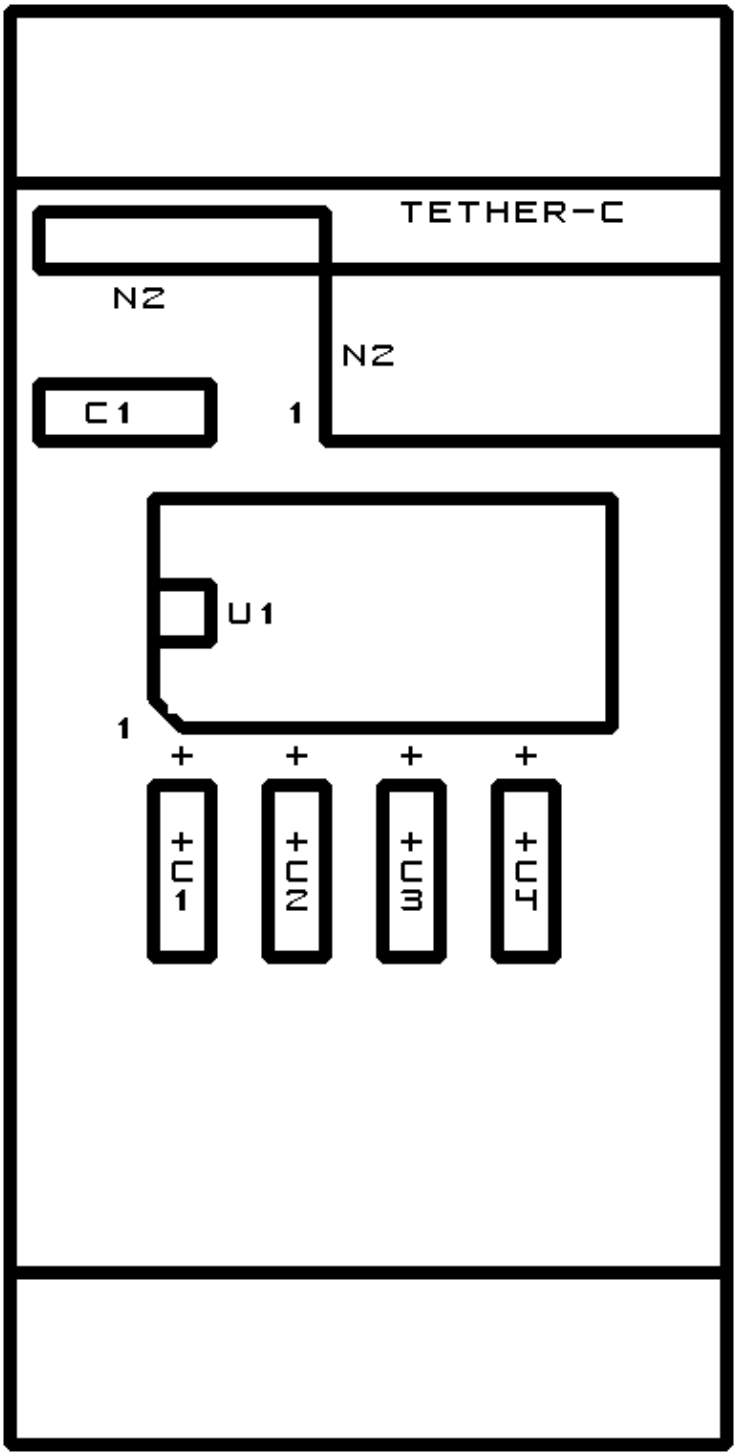
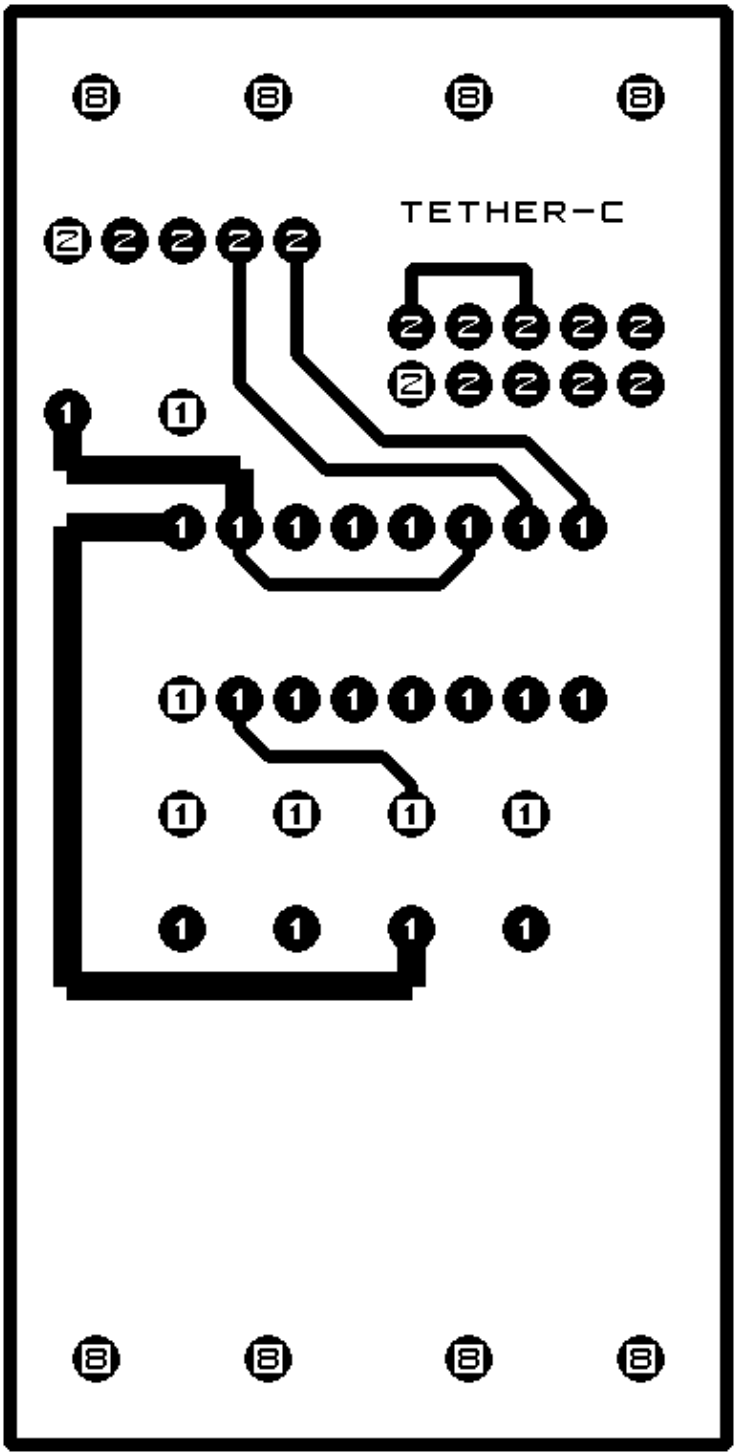
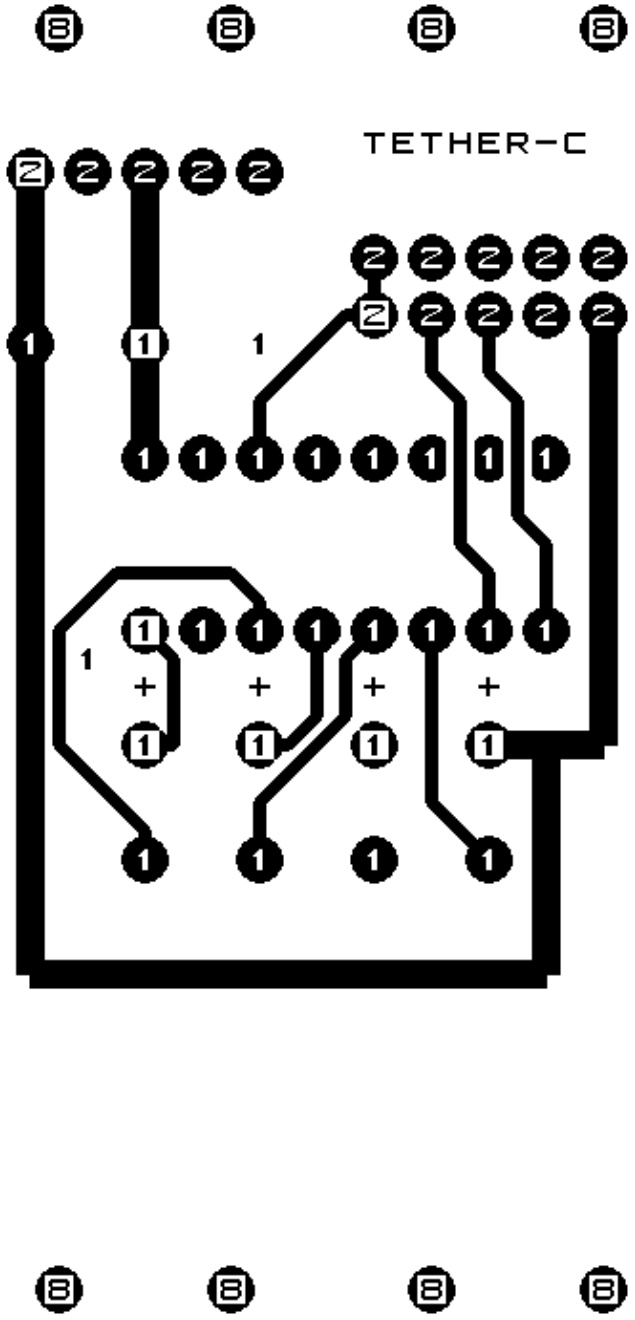
A. Appendix A: Parts List

```
# Parts list for Tether (Rev. C)
#
C1−4: Capacitor100nF − 100 nF (.1 uF) Tantalum Capacitor [Jameco: 33486]
C5: Capacitor10pF − 10 pF Ceramic Capacitor [Jameco: 15333]
N1: Header2x5.DB9 − 2x5 Male Header [10/80 Jameco: 117196]
N2: Header1x5.RBSlave − 1x5 Male Header [5/40 Jameco: 160881]
U1: MAX232CPE − RS−232 Level converter [Jameco: 24811]
```

B. Appendix B: Artwork Layer



C. Appendix C: Back (Solder Side) Layer



D. Appendix D: Front (Component Side) Layer