This is the Revision A verion of the Bench RoboBrick. The status of this project is abandoned.

Bench Robobrick (Revision A)

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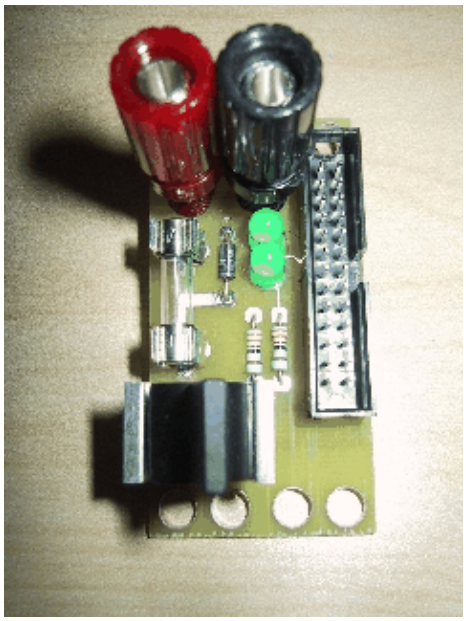
This document is also available in PDF format.

1. Introduction

The Bench RoboBrick provides a way of connected a bench power supply to a RoboBrick Hub module to power all of the RoboBricks.

A picture of the Bench−A RoboBrick is shown below:

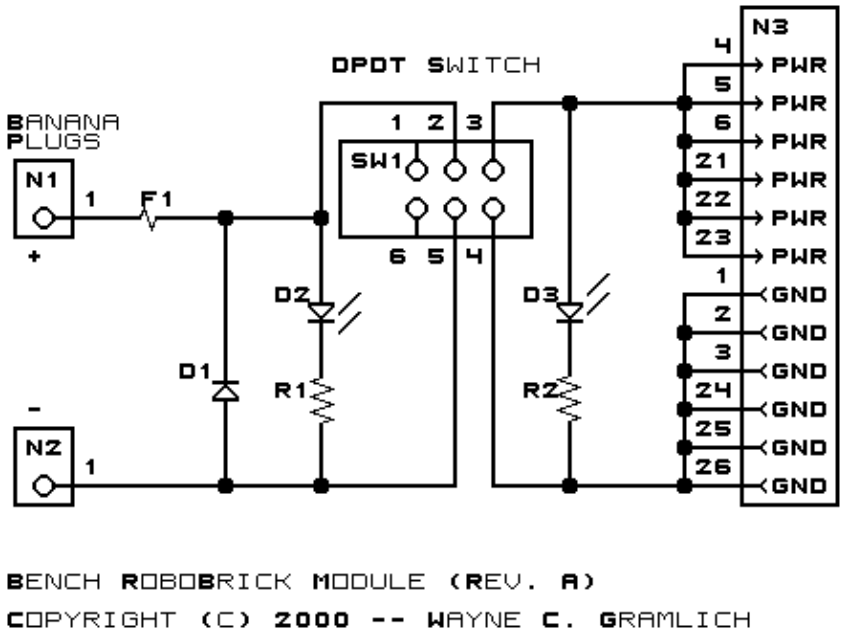


2. Hardware

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

2.1 Circuit Schematic

The schematic for the Bench RoboBrick is shown below:



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

2.2 Printed Circuit Board

The printed circuit board files are listed below:

bench_back.png
: The solder side layer.

bench_front.png
: The component side layer.

bench_artwork.png
: The artwork layer.

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

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

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

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

bench.tol
: The "Excellon" tool rack file.

3. Issues

After the boards have been manufactured, assembled, and tests, there are usually a number of issues that come and need to be recorded. This section of the document is reserved for thoses issues.
