

This is the Revision A version of the [IRProximity1 RoboBrick](#). The status of this project is [work in progress](#).

IRProximity1 Robobrick (Revision A)

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1. Introduction

The IRProximity1 RoboBrick provides the ability to seek towards an IR beacon. In addition, it can be used to do simple IR proximity detection.

2. Programming

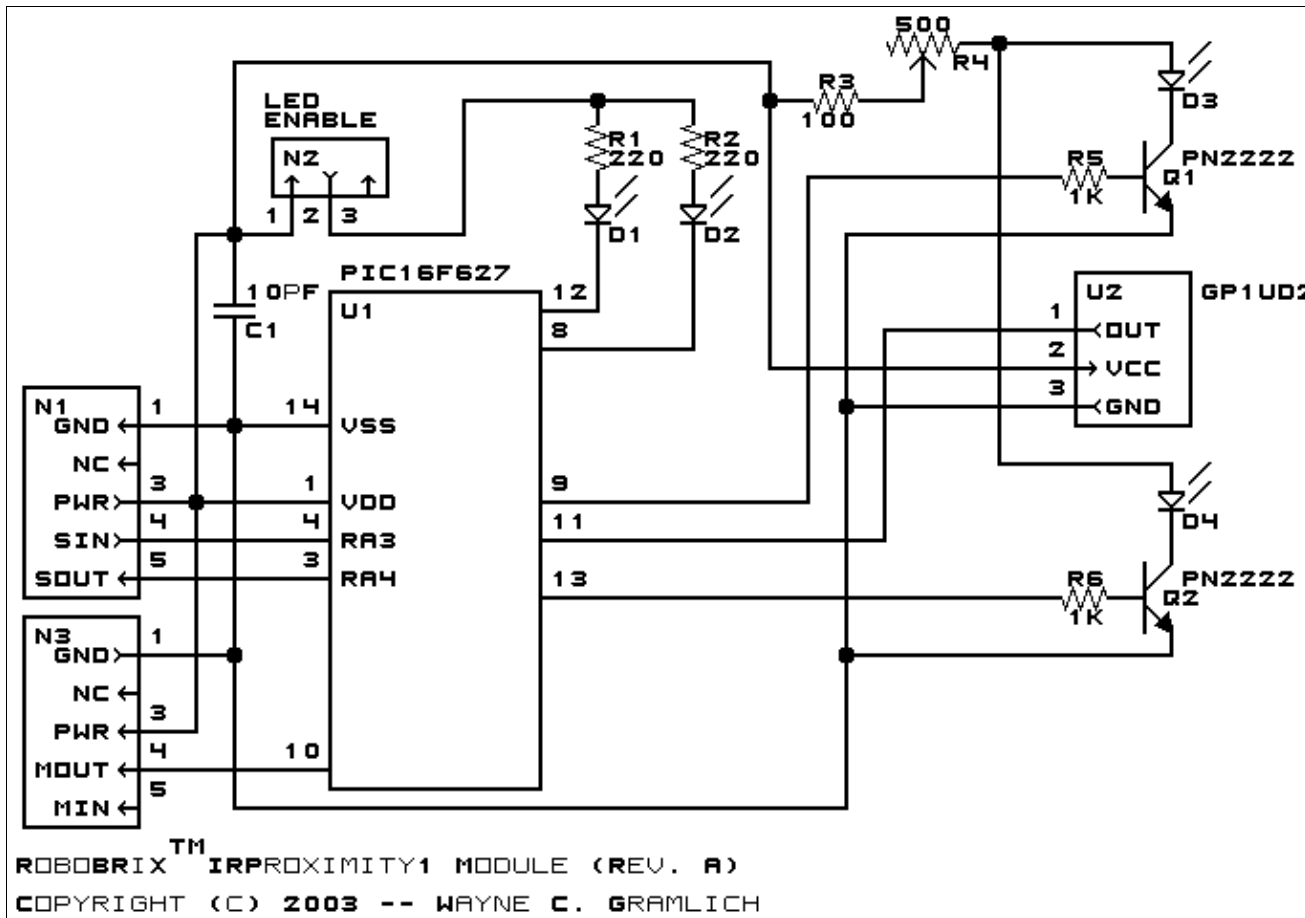
There is no programming specification yet.

3. Hardware

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

3.1 Circuit Schematic

The schematic for the IRProximity1 RoboBrick is shown below:



The parts list kept in a separate file -- [irproximity1.ptl](#).

3.2 Printed Circuit Board

The printed circuit board files are listed below:

[irproximity1_back.png](#)

The solder side layer.

[irproximity1_front.png](#)

The component side layer.

[irproximity1_artwork.png](#)

The artwork layer.

[irproximity1.gbl](#)

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

[irproximity1.gtl](#)

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

[irproximity1.gal](#)

The RS-274X "Gerber" artwork layer.

[irproximity1.drl](#)

The "Excellon" NC drill file.

[irproximity1.tol](#)

The "Excellon" tool rack file.

4. Software

There is no software available yet.

5. Issues

Any fabrication issues are listed here.

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