

This is the Revision A version of the [IRProximity3 RoboBrick](#). The status of this project is [work in progress](#).

# IRProximity3 Robobrick (Revision A)

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## 1. Introduction

The IRProximity3 RoboBrick provides the ability to seek towards an IR beacon. In addition, it can be used to do simple IR proximity detection.

## 2. Programming

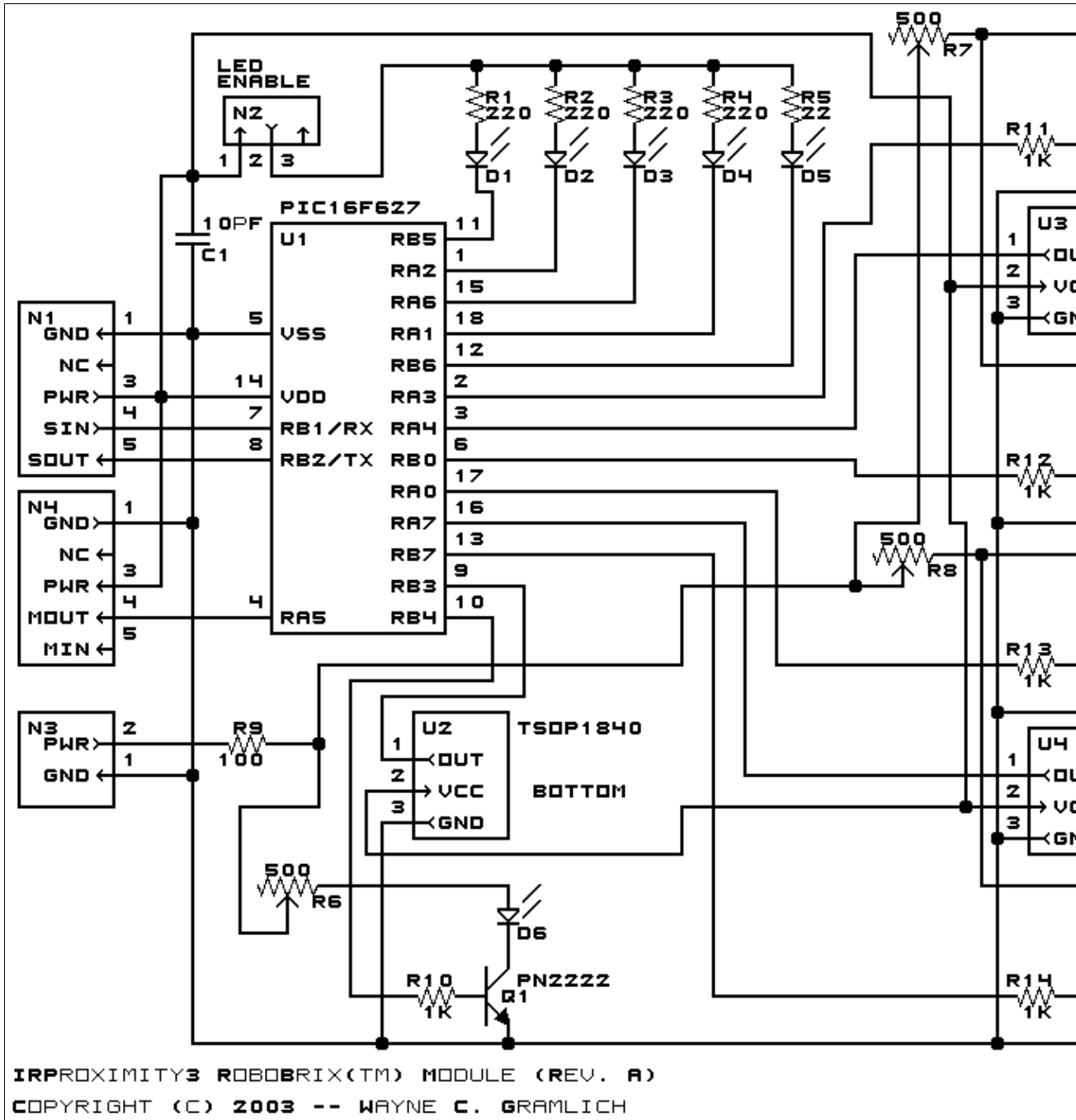
There is no programming specification yet.

## 3. Hardware

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

### 3.1 Circuit Schematic

The schematic for the IRProximity3 RoboBrick is shown below:



The parts list kept in a separate file --- [irproximity3.prl](#).

### 3.2 Printed Circuit Board

The printed circuit board files are listed below:

[irproximity3\\_back.png](#)

The solder side layer.

[irproximity3\\_front.png](#)

The component side layer.

[irproximity3\\_artwork.png](#)

The artwork layer.

[irproximity3.gbl](#)

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

[irproximity3.gtl](#)

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

[irproximity3.gal](#)

The RS-274X "Gerber" artwork layer.

[irproximity3.drl](#)

The "Excellon" NC drill file.

[irproximity3.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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