

This is the Revision A version of the [IRDistance1_Standoff RoboBrick](#). The status of this project is [work in progress](#).

IRDistance1_Standoff Robobrick (Revision A)

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1. Introduction

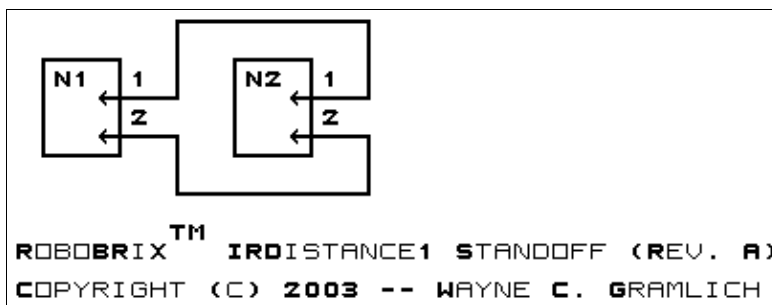
The IRDistance1_Standoff is used to mount the GP2D120 sensor for an [IRDistance1](#) module.

2. Hardware

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

2.1 Circuit Schematic

The schematic for the IRDistance1_Standoff RoboBrick is shown below:



The parts list kept in a separate file -- [irdistance1_standoff.ptl](#).

2.2 Printed Circuit Board

The printed circuit board files are listed below:

[irdistance1_standoff_back.png](#)

The solder side layer.

[irdistance1_standoff_front.png](#)

The component side layer.

[irdistance1_standoff_artwork.png](#)

The artwork layer.

[*irdistance1_standoff.gbl*](#)

The RS-272X "Gerber" back (solder side) layer.

[*irdistance1_standoff.gtl*](#)

The RS-272X "Gerber" top (component side) layer.

[*irdistance1_standoff.gal*](#)

The RS-272X "Gerber" artwork layer.

[*irdistance1_standoff.drl*](#)

The "Excellon" NC drill file.

[*irdistance1_standoff.tol*](#)

The "Excellon" tool rack file.

3. Issues

Any fabrication issues will be listed here.

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