*Projects and Stuff*

Beer Pong Sense

In-Depth Reference

Contents

[Overview and Objectives 3](#_Toc322294574)

[Assemble 3](#_Toc322294575)

[Part List 3](#_Toc322294576)

[Tools Required 3](#_Toc322294577)

[Constructing it 3](#_Toc322294578)

[Operate 3](#_Toc322294579)

[Mod 4](#_Toc322294580)

[Buy 4](#_Toc322294581)

[Discuss 4](#_Toc322294582)

[Schematics 4](#_Toc322294583)

[Source Code 4](#_Toc322294584)

[Source Code Overview 4](#_Toc322294585)

[Libraries Used 4](#_Toc322294586)

[Functional Description 4](#_Toc322294587)

# Overview and Objectives

The Beer Pong Sense is a desktop gaming board for Beer Pong, or similar games. But it’s also perfectly useable with wine or non-alcoholic beverages. The basic idea is to use capacitive sensing to determine the location of cups placed on the board, and light up corresponding lights below the cups. Due to the programmable nature of these boards, they can be upgraded and modified to display animations and other features.

Objectives:

* Open Source
* Ability to sense location of cup(s) accurately
* As hackable and reprogrammable as possible
* 47 RGB LEDs per main board
* An additional built-in control board, perhaps with LCD
* Li-Ion battery rechargeable via DC jack or USB

# Assemble

## Part List

## Tools Required

## Constructing it

# Operate

# Mod

# Buy

# Discuss

# Schematics

# Source Code

## Source Code Overview

## Libraries Used

## Functional Description

**Glossary**