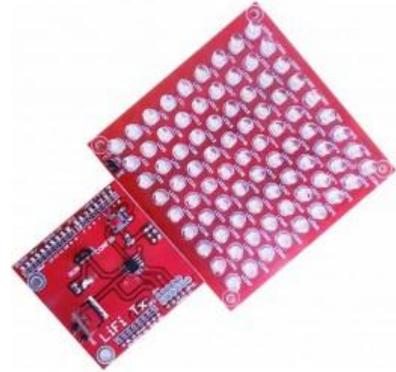


## Li Fi TX

At the heart of this technology is a new generation of high-brightness light-emitting diodes. Very simply, if the LED is on, you transmit a digital 1, if it's off you transmit a 0. They can be switched on and off very quickly, which gives nice opportunities for transmitting data. It is possible to encode data in the light by varying the rate at which the LEDs flicker on and off to give different strings of 1s and 0s. The modulation is so fast that the human eye doesn't notice. There are over 14 billion light bulbs worldwide, they just need to be replaced with LED ones that transmit data.



## Features

- It can receive data 57600 baud rate serially.
- Distance can be achieved 1ft to 10ft for wireless open optical communication.

## Applications

- Indoor wireless open optical communication.
- Indoor navigation.
- Under water visible light communication.
- Smart indoor blind assistive application.
- Vehicle to vehicle communication.

## Pin Details

Pin	Name	Details
1	12v	Power supply
2	GND	ground



## Working

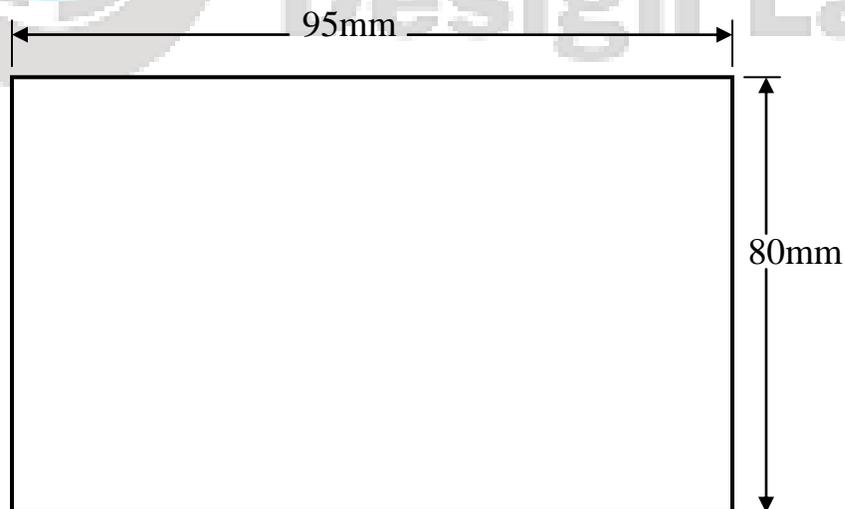
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## Sample Application

To view sample code and schematic click the below link:

<http://researchdesignlab.com/index.php/modules/lifi-tx.html>

## Board Dimensions



To buy this product click the below link

<http://researchdesignlab.com/index.php/modules/lifi-tx.html>