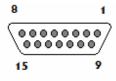
## **BrightSign Compact**

The DB15 female has the following pinout:

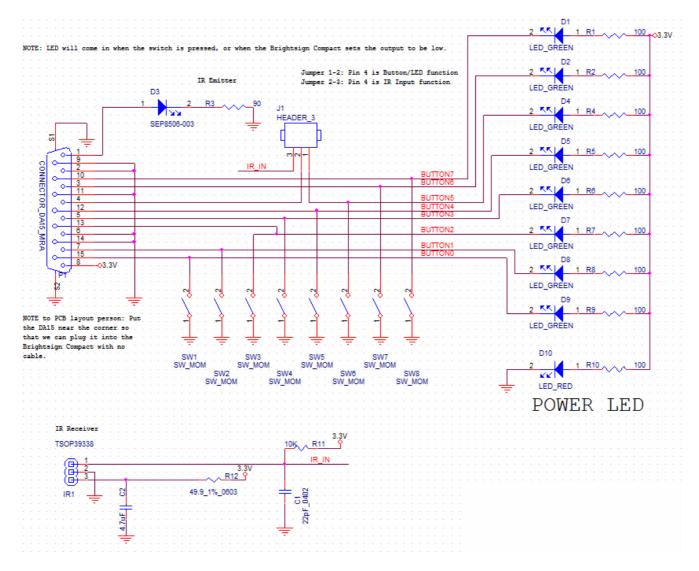
pin	Description	pin	Description
1	IR Blaster output	2	Ground
3	Button 6 I/O	4	Button 5 I/O
5	Button 3 I/O	6	Ground
7	Button 1 I/O	8	+3.3V output @ 500mA
9	Ground	10	Button 7 I/O
11	Ground	12	Button 4 I/O
13	Button 2 I/O	14	Ground
15	Button 0 I/O		

## DA15 female as viewed from the back of Brightsign Compact:



Roku makes a button/LED/IR board that can be used to demonstrate how the GPIO and IR works. Here is the schematic to that board as an example of how to connect things to the GPIO connector:

## **BrightSign Compact**



In this example schematic, we are using a Vishay TSOP39338 IR receiver, which can operate properly on 3.3V. The TSOP39138 will also work. We are using a Honeywell SEP8506-003 IR Diode as the IR blaster output.