

# out of the **B** **X**

## Seven Segment Breakout Board

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# Overview

The Out of the Box Seven Segment Breakout Board uses a pair of latches to drive two independent seven segment displays with a common 8-bit bus. Provided below is the function table for the latches where the Q outputs are connected to the individual LEDs.

**Table 8-1. Function Table (Each Latch)**

INPUTS			OUTPUT
$\overline{OE}$	LE	D	Q
L	H	H	H
L	H	L	L
L	L	X	Q <sub>0</sub>
H	X	X	Hi-Z

Figure 1: Function Table (Created by Texas Instruments)

Before powering the device ensure the orientation of the board is correct. Reference the display decimal points and silkscreen orientation.

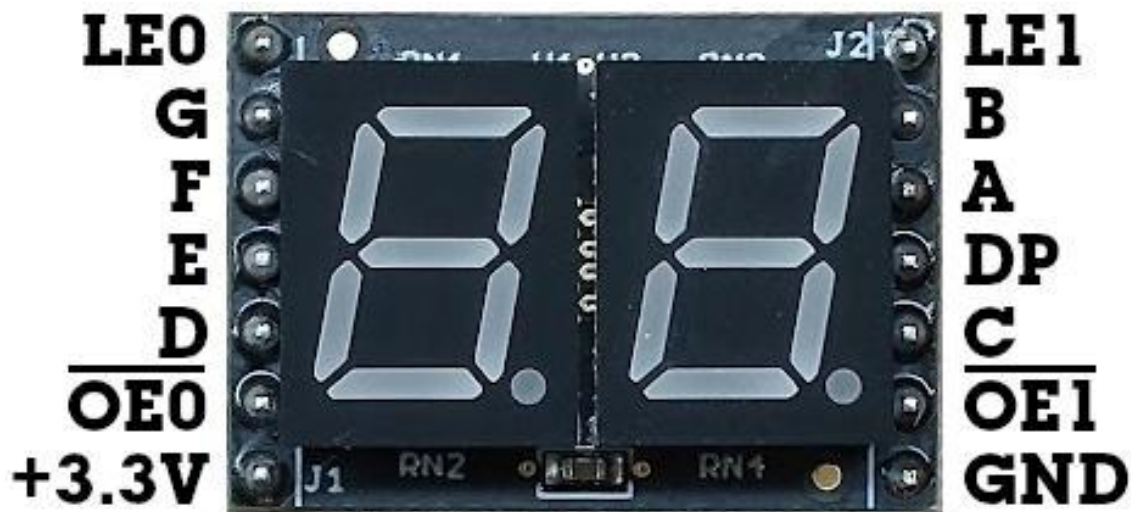


Figure 2: Breakout Board Pinout

Figure 3 below shows the correlation to the lettered identifiers to the individual segments of the display.

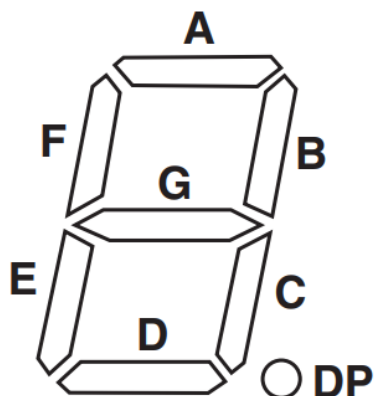


Figure 3: Seven Segment LED Segment Identifiers