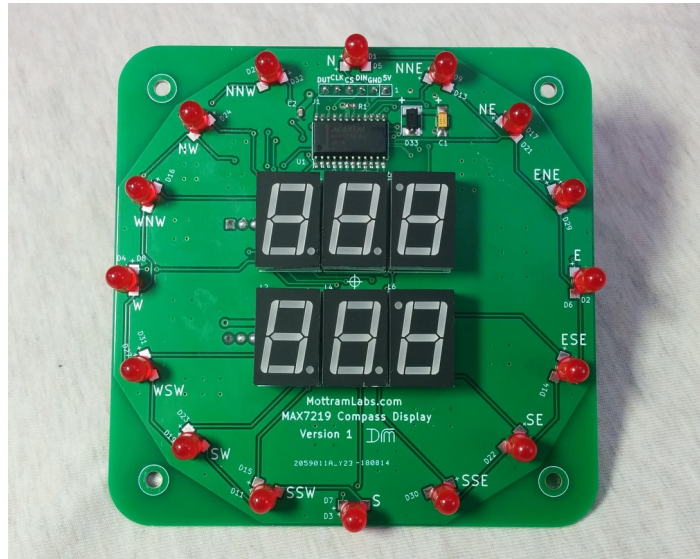


## Compass LED Display

September 2018

### Features

- 6 Digit by 2 line LED Display
- 0.56" Red LED
- 16 Compass LED's
- Uses the MAX7219 Driver IC



### Description

This compass style display has a two line 6 digit (3 plus 3) display using a MAX7219 display driver. The module is made up of two 6 digit LED displays plus 16 off 5mm LED's in a compass layout with 22.5° increments. The MAX7219 is mounted on the front. Connection is either via a 6 pin 2.54mm header, mounted on the rear. Making it ideal for use with any microcontroller including Arduino boards. There is also on the rear a two 8 pin socket for a Wemos D1 Mini ESP8266 development board, this makes for a very simple wireless solution.

### Applications

Weather stations, wind direction and speed.

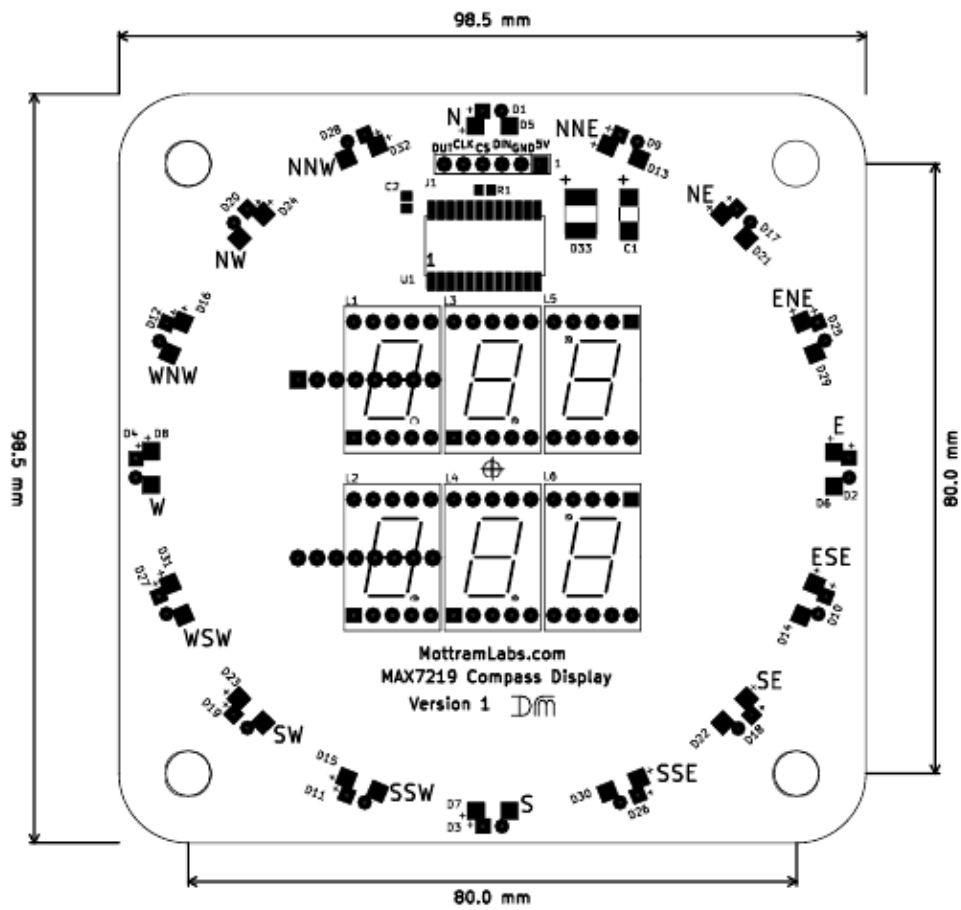
### 6 Way Header Connections (6 pin 2.54mm Header)

<b>Pin - 1</b>	+5V Supply
<b>Pin - 2</b>	GND Supply
<b>Pin - 3</b>	MAX7219 - Data-In
<b>Pin - 4</b>	MAX7219 - CS
<b>Pin - 5</b>	MAX7219 - CLK
<b>Pin - 6</b>	MAX7219 - Data-Out

### Electrical Specification

Supply Voltage: 5V DC  
 Current: 310mA Max

### PCB Size and hole positions



### Rear view

