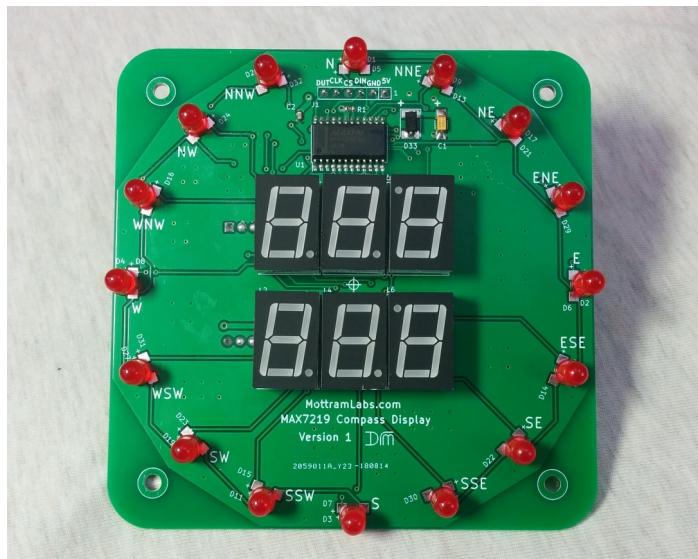


Compass LED Display

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.

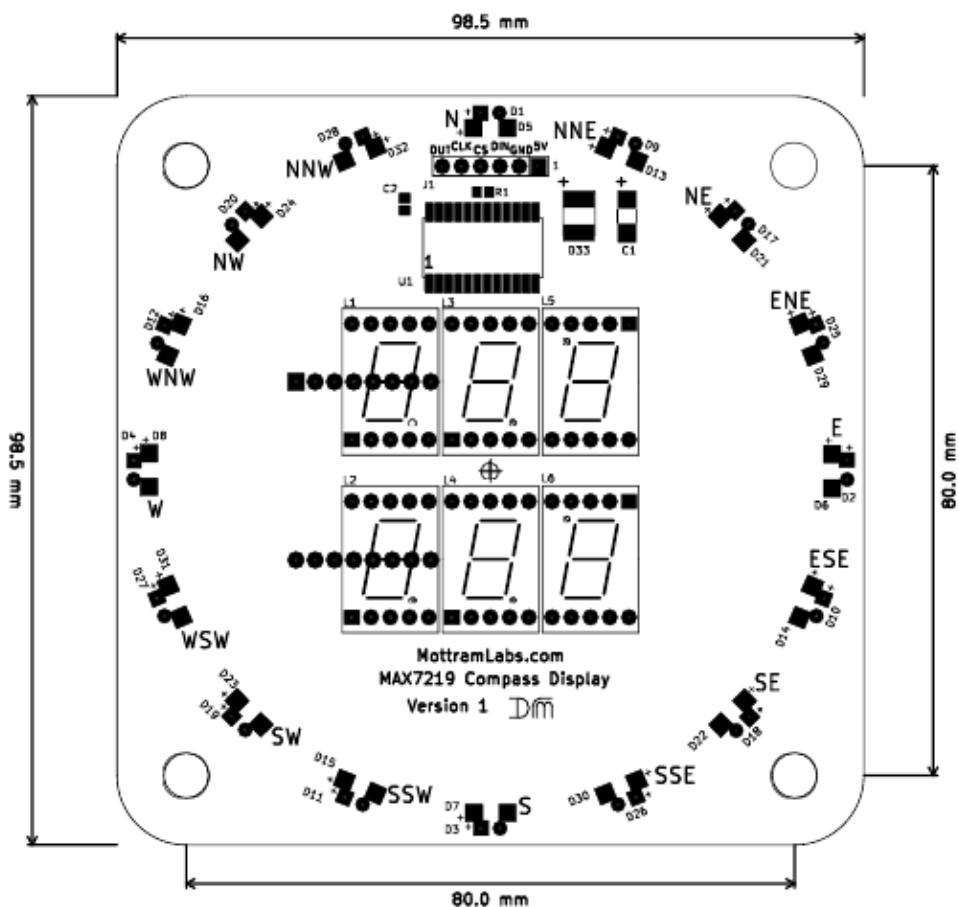
6 Way Header Connections (6 pin 2.54mm Header)

| | |
|----------------|--------------------|
| Pin - 1 | +5V Supply |
| Pin - 2 | GND Supply |
| Pin - 3 | MAX7219 - Data-In |
| Pin - 4 | MAX7219 - CS |
| Pin - 5 | MAX7219 - CLK |
| Pin - 6 | MAX7219 - Data-Out |

Electrical Specification

Supply Voltage: 5V DC
Current: 310mA Max

PCB Size and hole positions



Rear view

