7 Segment Display TinyShield - ASD2421-R

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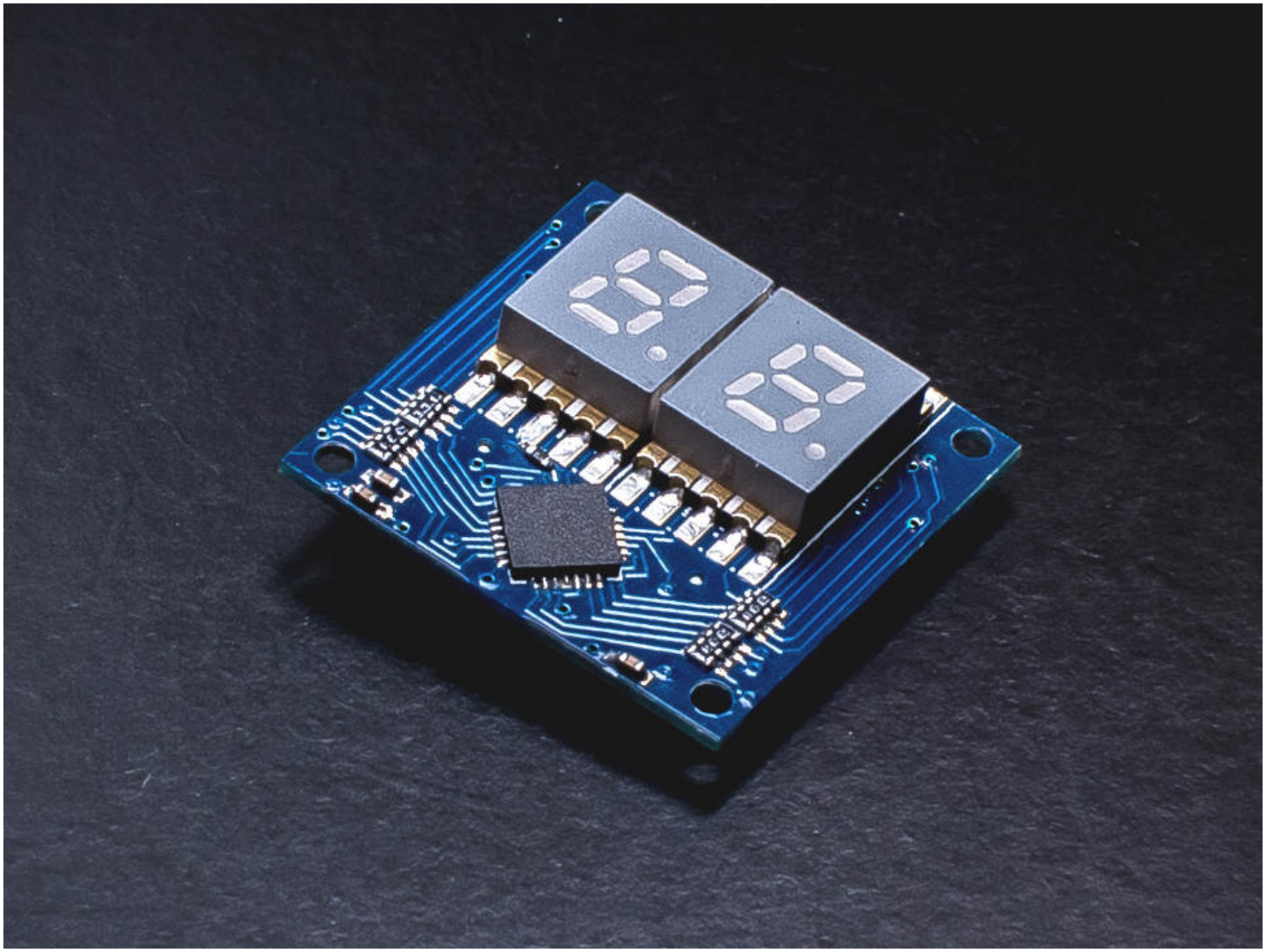

DESCRIPTION

The TinyShield 7 Segment Display Board contains two seven segment LEDs (Red LEDs) that can be set over the I2C (thus saving signals to do other tasks) by using a Semtech SX1506 I/O expander. Each of the segments including the decimal indicator can be individually selected, and a library is provided to make it extremely easy to use.

*To learn more about the **TinyDuino Platform,** click **here***

TECHNICAL DETAILS

> *To see what other TinyShields this will work with or conflict with, check out the **TinyShield Compatibility Matrix***

Display Specs

- Two Seven Segment LEDs, Color Red
- Displays include decimal indicator
- I2C Semtech SX1506 I/O Expander

TinyDuino Power Requirements

- Voltage: 3.0V - 5.5V
- Current:
    - 4mA per segment (3.0V)
    - 10mA per segment (5.0V)
    - Due to the current, this board can run for a very short time on the TinyDuino with coin cell, however a Lithium battery should be used for longer life.

Pins Used

- A5/SCL - I2C Serial Clock line
- A4/SDA - I2C Serial Data line

Dimensions

- 20mm x 20mm (.787 inches x .787 inches)
- Max Height (from lower bottom TinyShield Connector to upper top of LED displays): 6.6mm (.26 inches)
- Weight: 1.36 grams (.05 ounces)

Notes

- This board has no top TinyShield connector, so no additional TinyShields can be stack on top of this. This board is meant to be on the top of a TinyDuino stack.

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