



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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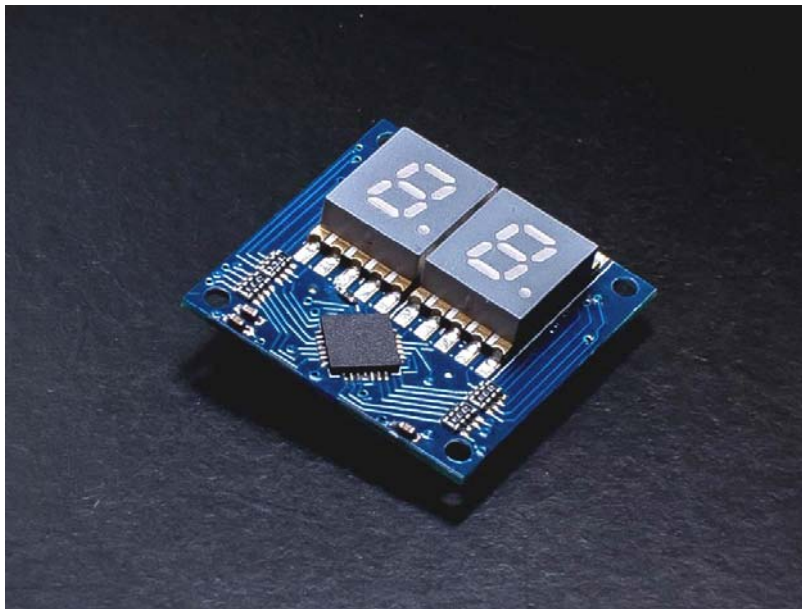
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7 SEGMENT DISPLAY TINYSHIELD

ASD2421-R



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](https://tinycircuits.com/pages/tinyduino-overview)
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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)
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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.