



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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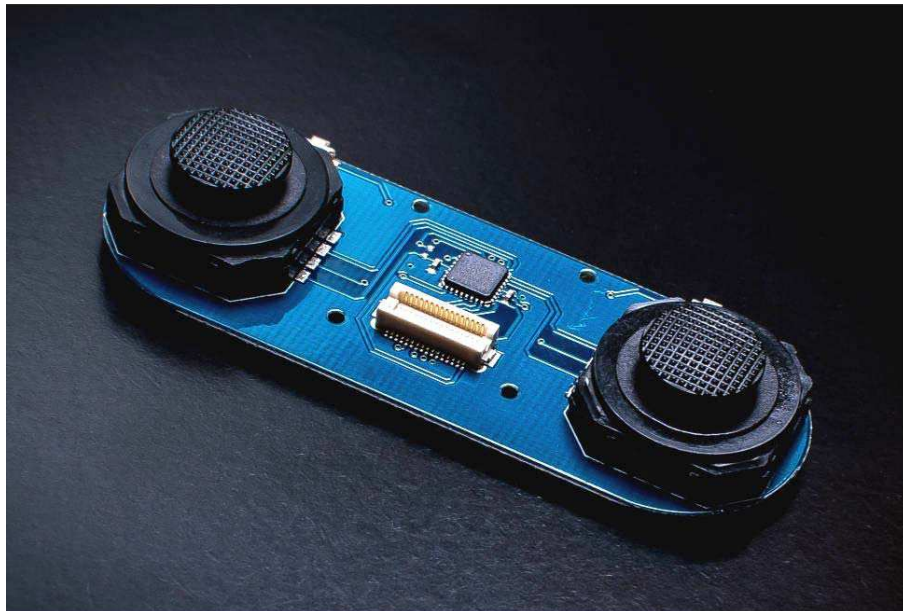
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JOYSTICK TINYSHIELD

ASD2020



DESCRIPTION

This TinyShield lets you add some control to your TinyDuino projects! Control your very own robot or play a video game with your TinyScreen. This TinyShield has two analog joysticks on both sides as well as two push buttons along the top to create a tiny controller for your TinyDuino. This TinyShield uses the I2C bus for communication and can safely run over the full TinyDuino voltage range.

Note: This joystick works with the standard TinyScreen but not with the TinyScreen+.

To learn more about the **TinyDuino Platform**, click [here](#)

<https://tinycircuits.com/pages/tinyduino-overview>

TECHNICAL DETAILS

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

Built in ATTiny88 microcontroller, preprogrammed

- Two Analog Joysticks, 10-bit ADC reading for each axis of each joystick returned
- Two discrete pushbuttons

TinyDuino Power Requirements

- Voltage: 3.0V - 5.5V
- Current: 5mA. Due to the low current, this board can be run using the TinyDuino coin cell option

Pins Used

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

Dimensions

- 68mm x 25mm (2.68 inches x .984 inches)
- Max Height (from lower bottom TinyShield Connector to upper top of joysticks): 12.0 mm (0.472 inches)
- Weight: 5.95 grams (.21 ounces)

NOTES

- This joystick does not work TinyScreen+. Because the TinyScreen+ is a processor board, the connectors for the two board will not line up.