



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!



Contact us

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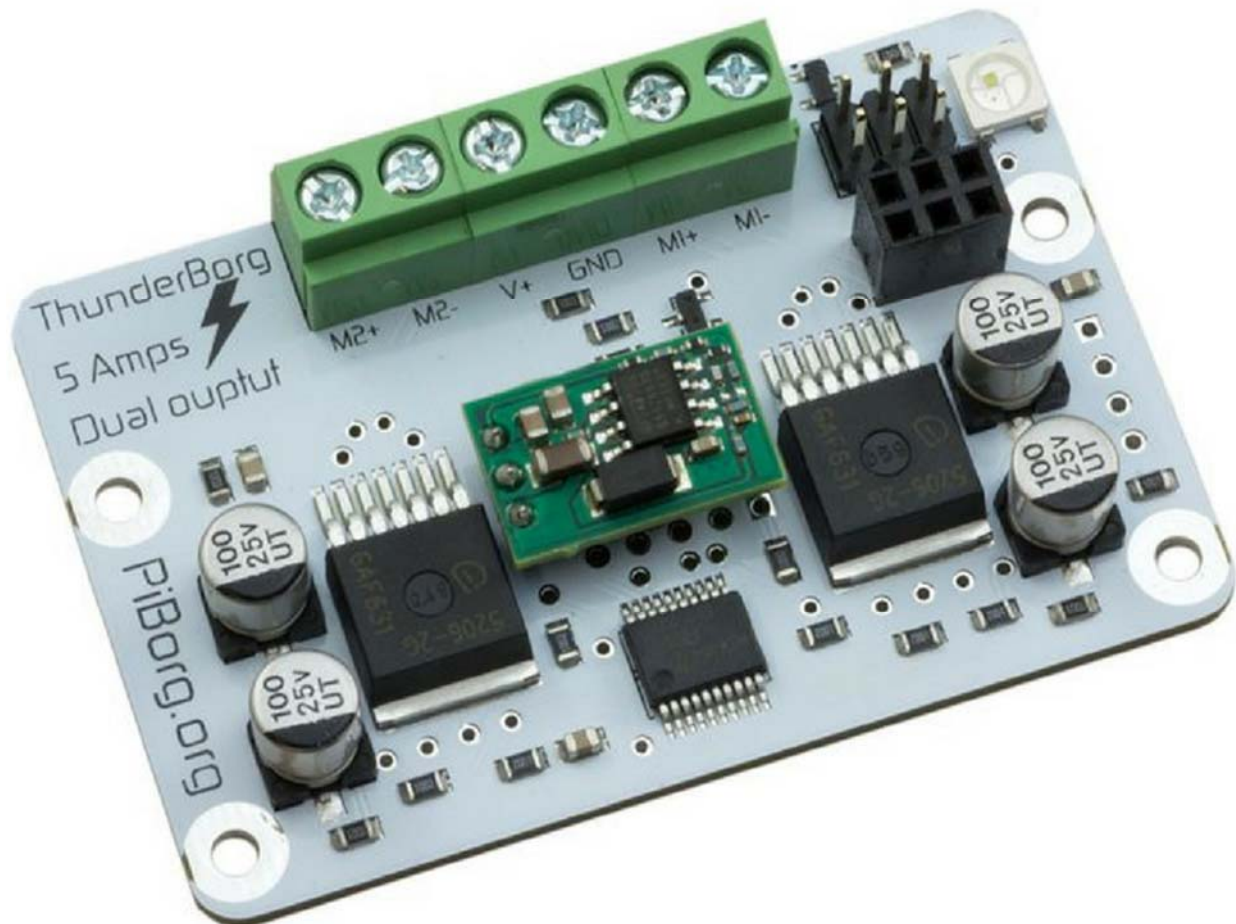
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Pi Supply



ThunderBorg - Dual 5A Motor Controller

ThunderBorg is a powerful dual motor control board for making awesome robots with your Raspberry Pi. ThunderBorg is designed to handle up to 5A per motor connection, so it's great for bigger-than-your-average-buggy projects and making awesome robots from your Raspberry Pi.

The ThunderBorg is used in our MonsterBorg Raspberry Pi robot kit.

All ThunderBorg versions include:

- Control BIG or small motors.
- On-board 5V regulator powers the Raspberry Pi
- Runs from any battery pack or power supply from 7V to 35V
- Proper 5A output per motor connection
- Speed control forwards and reverse via PWM
- On-board voltage monitoring for attached batteries
- Mounts directly onto most Raspberry Pi models
- Super bright 24 Bit LED capable of over 16 million colours
- Stackable! Plug in more boards to control up to 200 motors!
- Controls 2x DC Motors or 4, 5 or 6 wire stepper motors
- Uses I2C SCK/SDA and 3.3V/GND pins for communications
- Overheat protection, under voltage lockout, and short circuit protection.

We also have an optional ThunderBoard lid pack which comes with an additional:

- A second super bright LED which can be independently controlled
- 9V style connector for either AA battery packs or 9V batteries
- Convenient power switch to disconnect the batteries
- Enough room to sit a 10x AA battery pack
- Pre-soldered directly onto the ThunderBorg by us.