



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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## STS-Pi - Build a Roving Robot!

PIM142



5.... 4.... 3.... 2.... 1.... Turn your Raspberry Pi into a spaceship!

This robot chassis is designed to be used with our Explorer HAT, Explorer HAT Pro, or Explorer pHAT boards though it will work with other motor drivers!

The kit is a great way to introduce yourself to robots and controlling motors with your Raspberry Pi. It even includes a camera mount so your little robot can take pictures while it's roaming around!

There is no soldering required and the whole kit can be put together with a small flat-head screwdriver.

Kit includes:

- Laser cut chassis
- Raspberry Pi camera mount
- 2 x super-grippy moon-buggy wheels
- 2 x push header motors (298:1 ratio)
- 0.5" front castor wheel
- Jumper leads
- 2 x motor mounting brackets
- 2 x battery clips (battery optional and not included)
- Nuts, bolts, and other fixings

Build up your robot and program it in Python, Scratch, or whatever language you prefer! Add a USB battery pack (not included) and a WiFi dongle and you can make it roam free!

***Does not include** the Raspberry Pi, Raspberry Pi Camera, or Explorer HAT (Pro or pHAT).*

Connor Plant has produced a video tutorial to help you build your STS-Pi, below.