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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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## Let's Make a Hexapod Robot

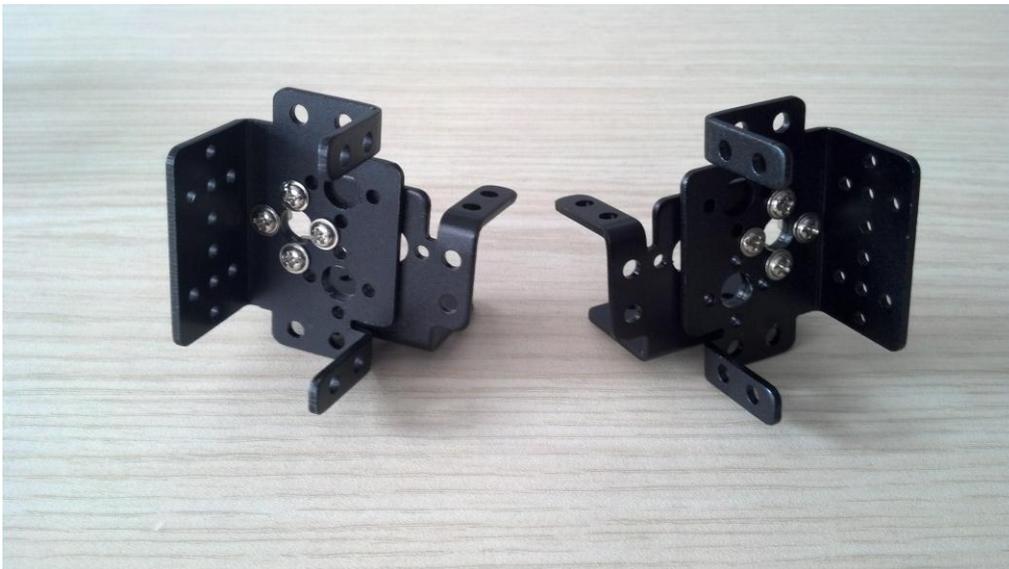
Few days ago, I carried out a tutorial on how to assemble the leg of the hexapod robot, and today I will show how to assemble the whole kit.

Before you start your work, please read the tutorial first and get a preliminary understanding, it will help you reduce unnecessary steps.

Materials of the kit



Thigh joints(bilateral symmetry)





Materials for thighs



Thighs(connect the servo horns to the thighs for the servos)



Materials for calves



Calves(fix the servos to the calves)



Materials of the back



The back(fix a servo horn to every angle of the back for servos)



Abdomen



Body



Ok, next we will connect the legs to the body.

Take down the back and put the footstep bearings in the holes on each angle of abdomen



And use the screws to fix the thigh joints



Turn over and put the back on, make sure that the servos and the servo horns are correct with each other.



The whole leg



Wiring Diagram of one leg



Wiring Diagram of legs on one side



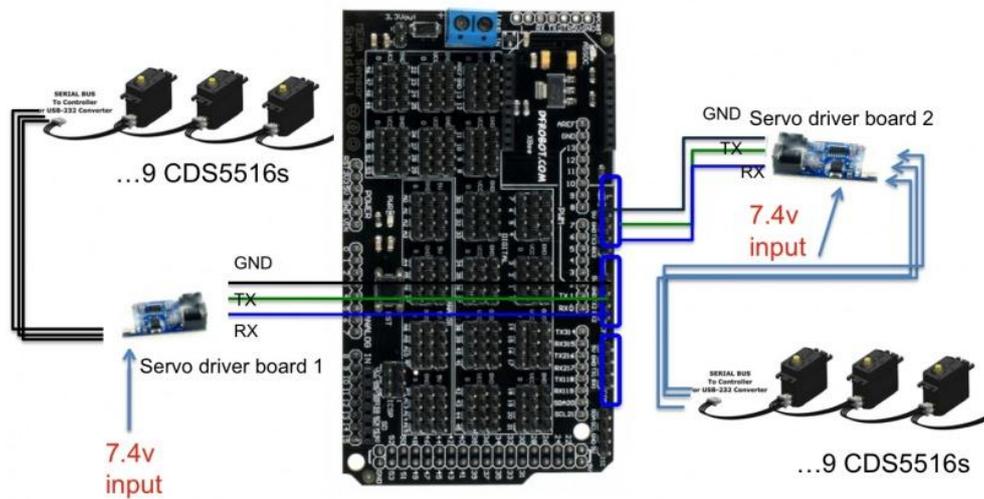
Finished



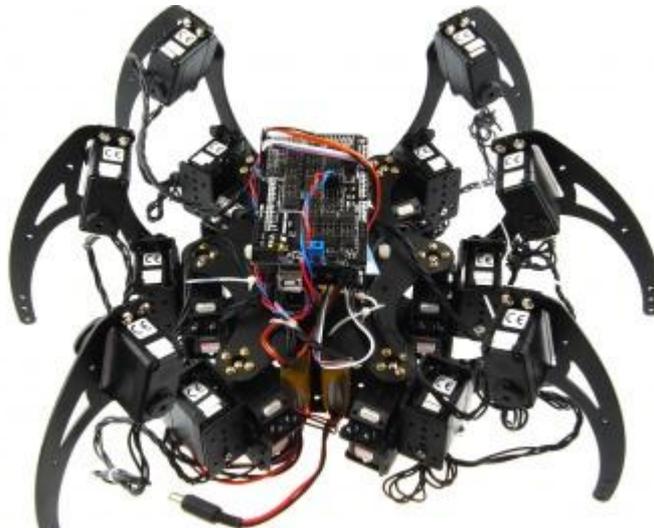


By this time, we have already set up all the components and parts. Next, connect the servos and controller according to the picture below.

### Hexapod Robot Connection



Last, fix the controller on the back of the robot and tidy the cables.



This tutorial tell you how to assemble the hexapod robot. For more information like sample code,

please visit the website of DFRobot ([www.dfrobot.com](http://www.dfrobot.com)).  
Hope to help you and have a good experience!

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