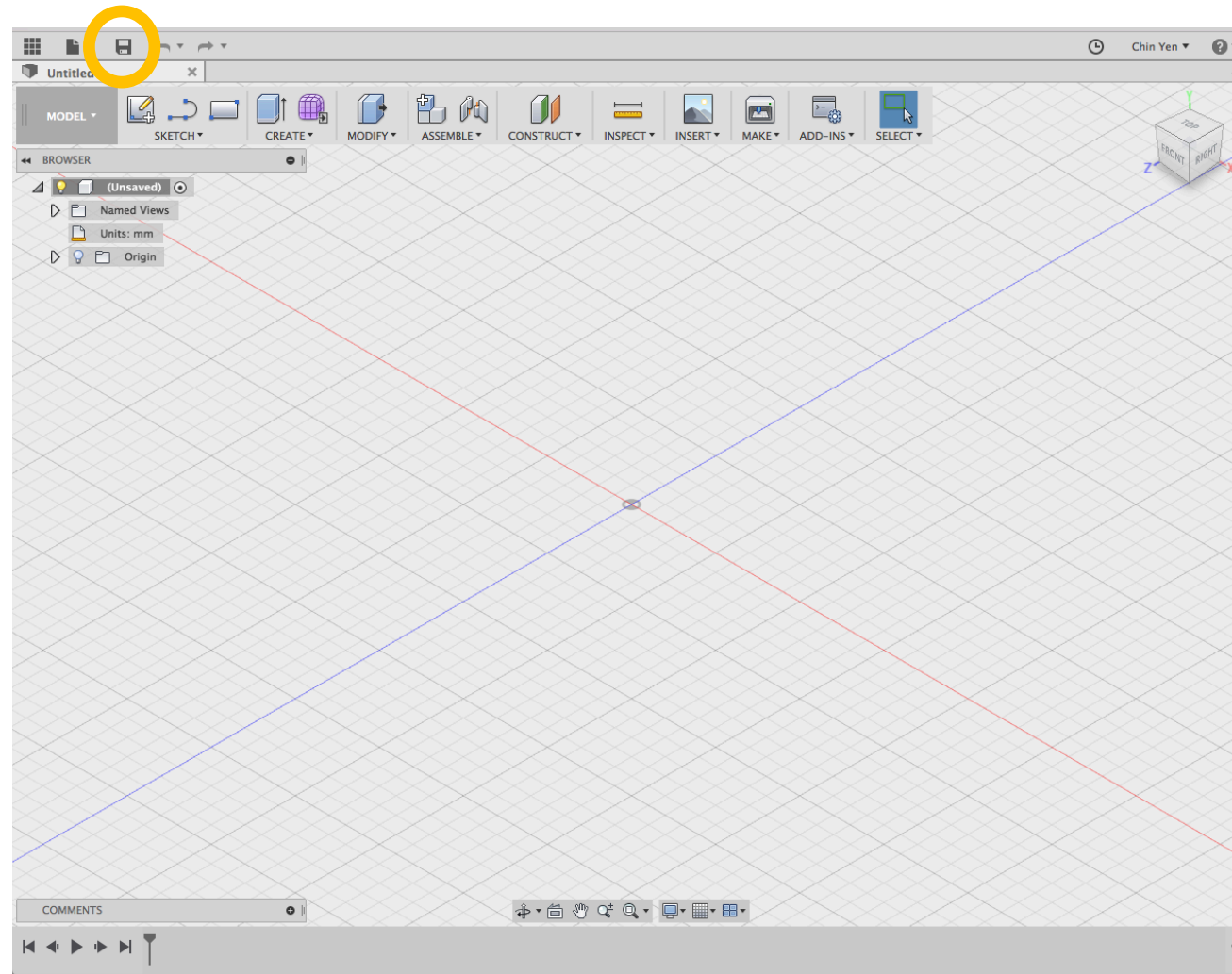# Lesson 5

Make a stylish interconnector

Step 1: Open Fusion 360, then click "Save".

Step 2: Save it as "Star Connector".

Save

Name:

> Star Connector

Location:
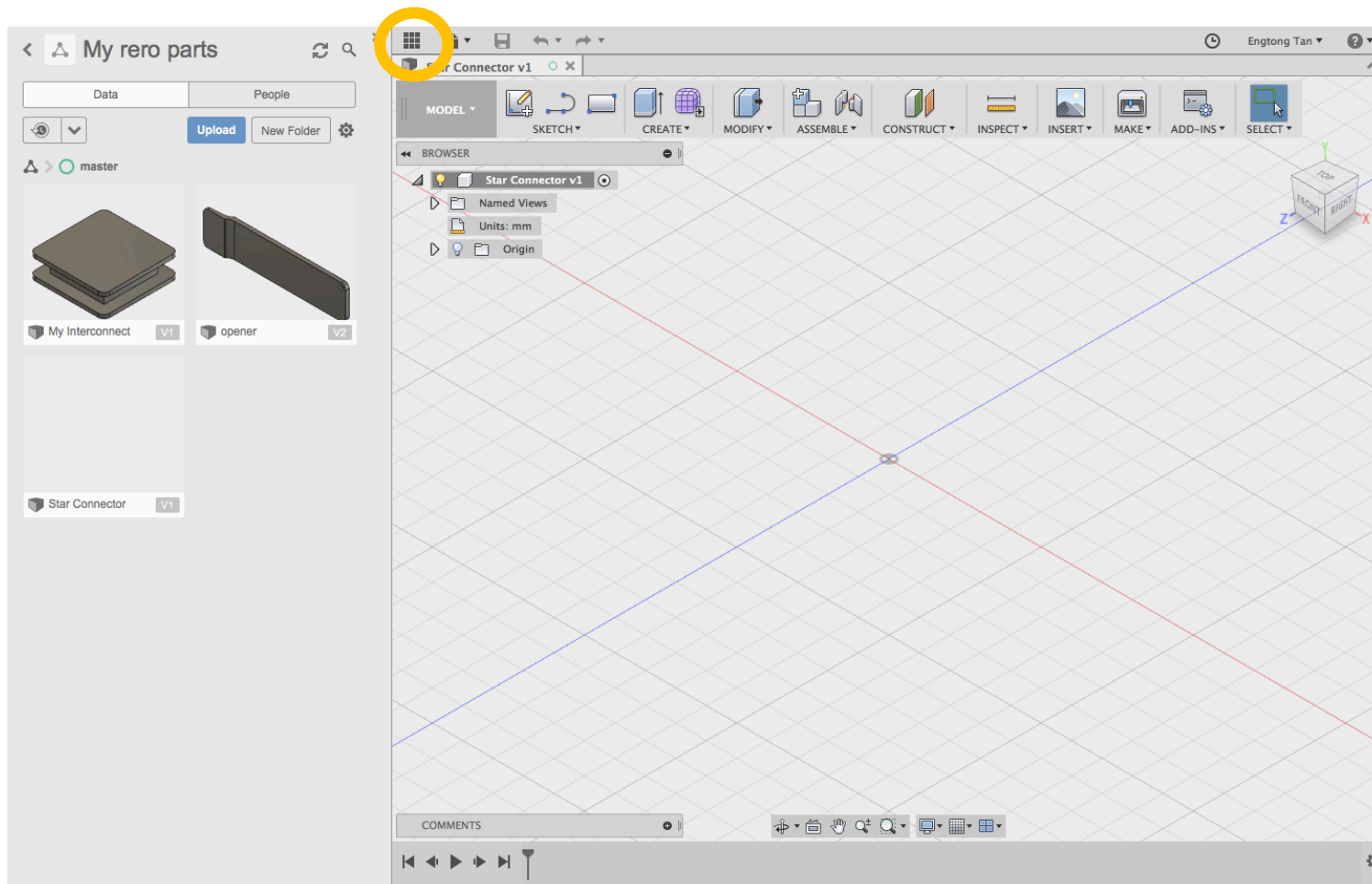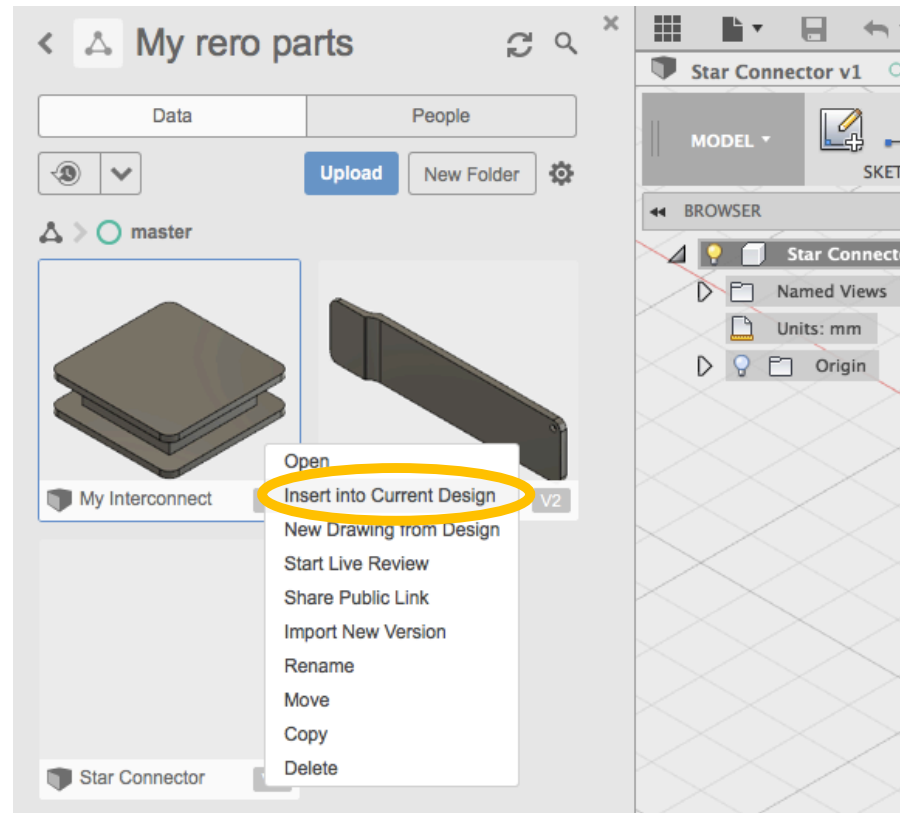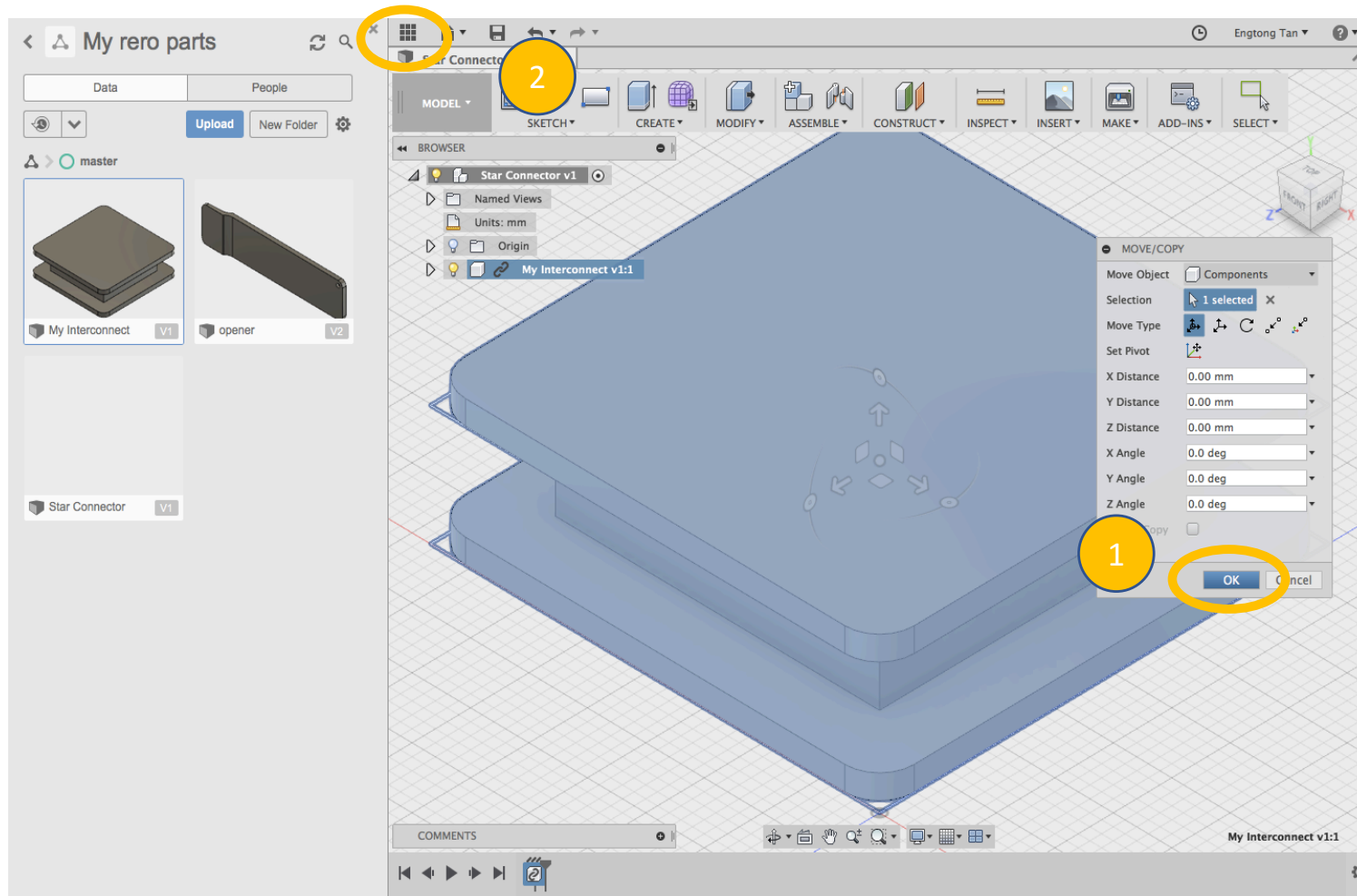
> Chin's First Project > ○ master

Cancel | Save

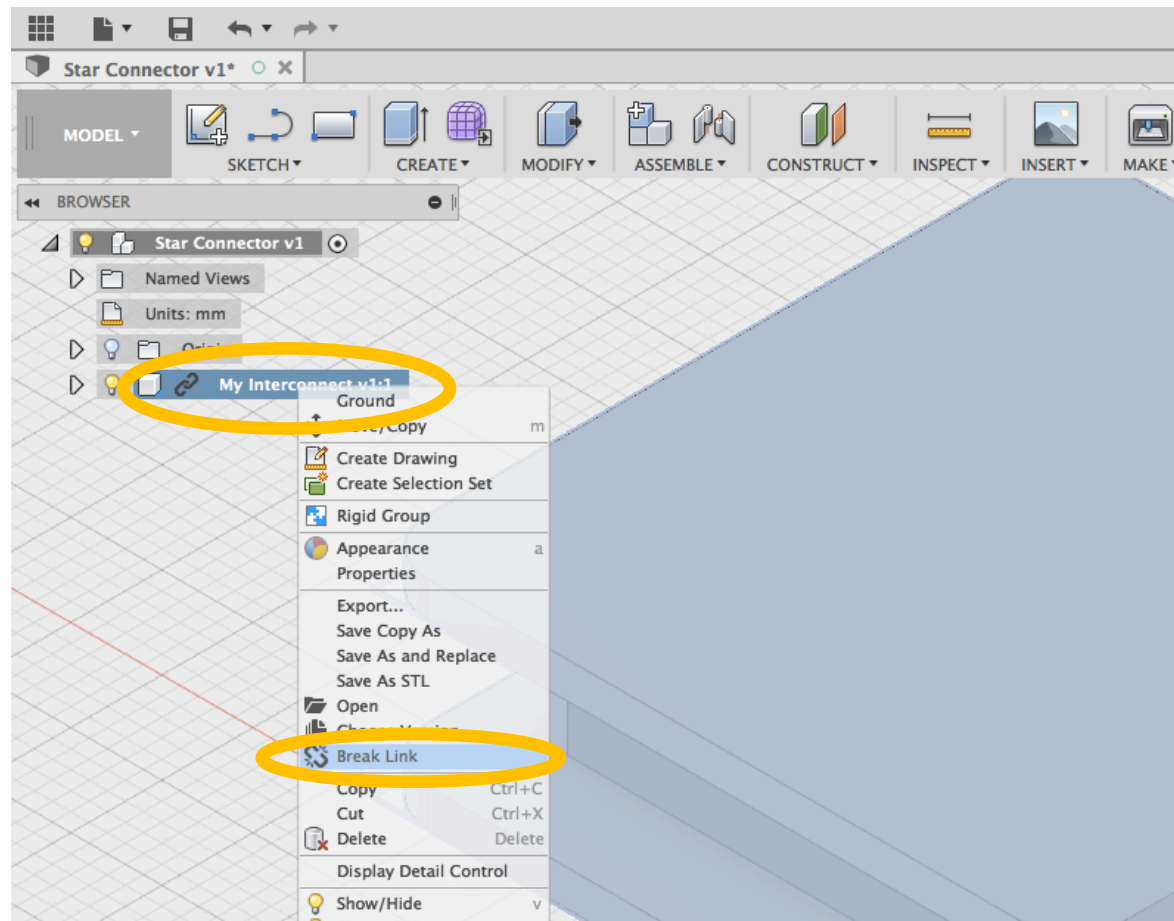# Step 3: Click ▦ to access the Data Panel.

Step 4: Right click on the "Interconnect" design that we created in Lesson 1, then click "Insert into Current Design".
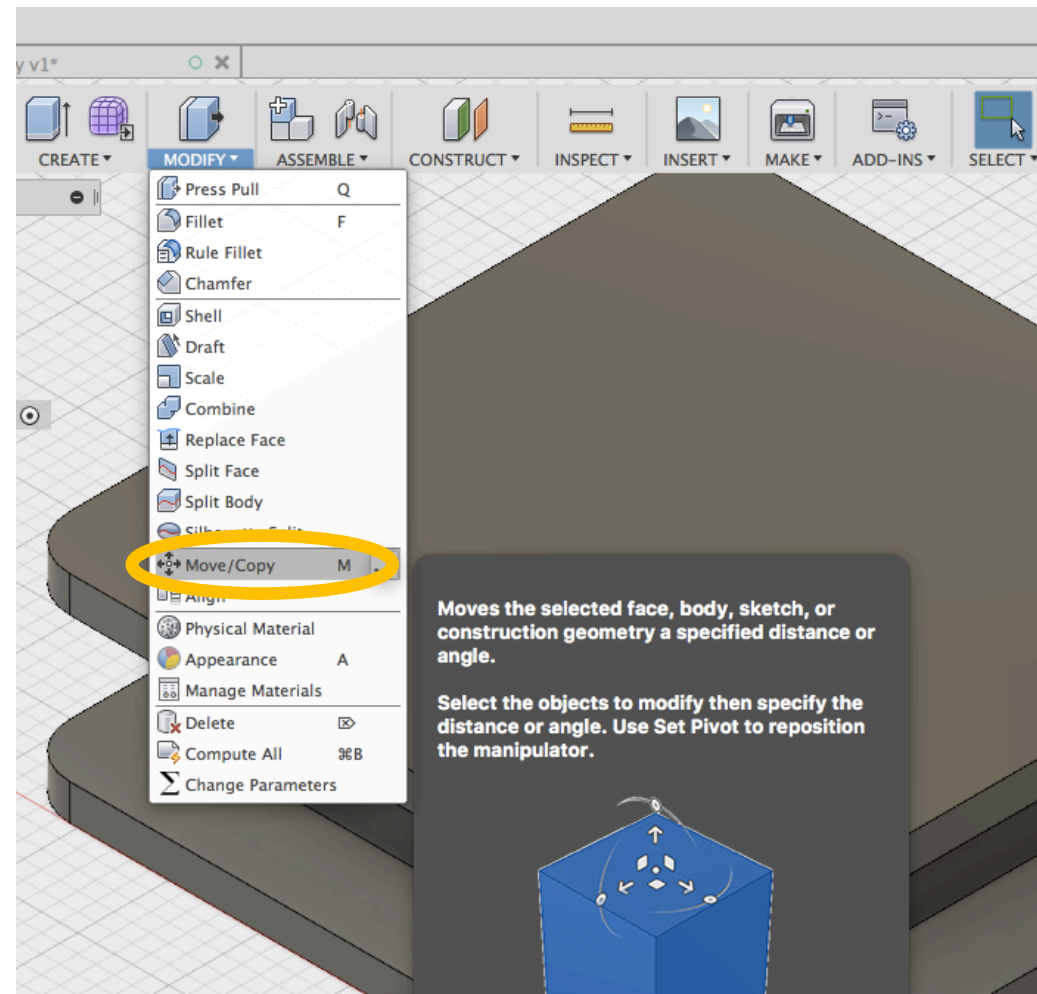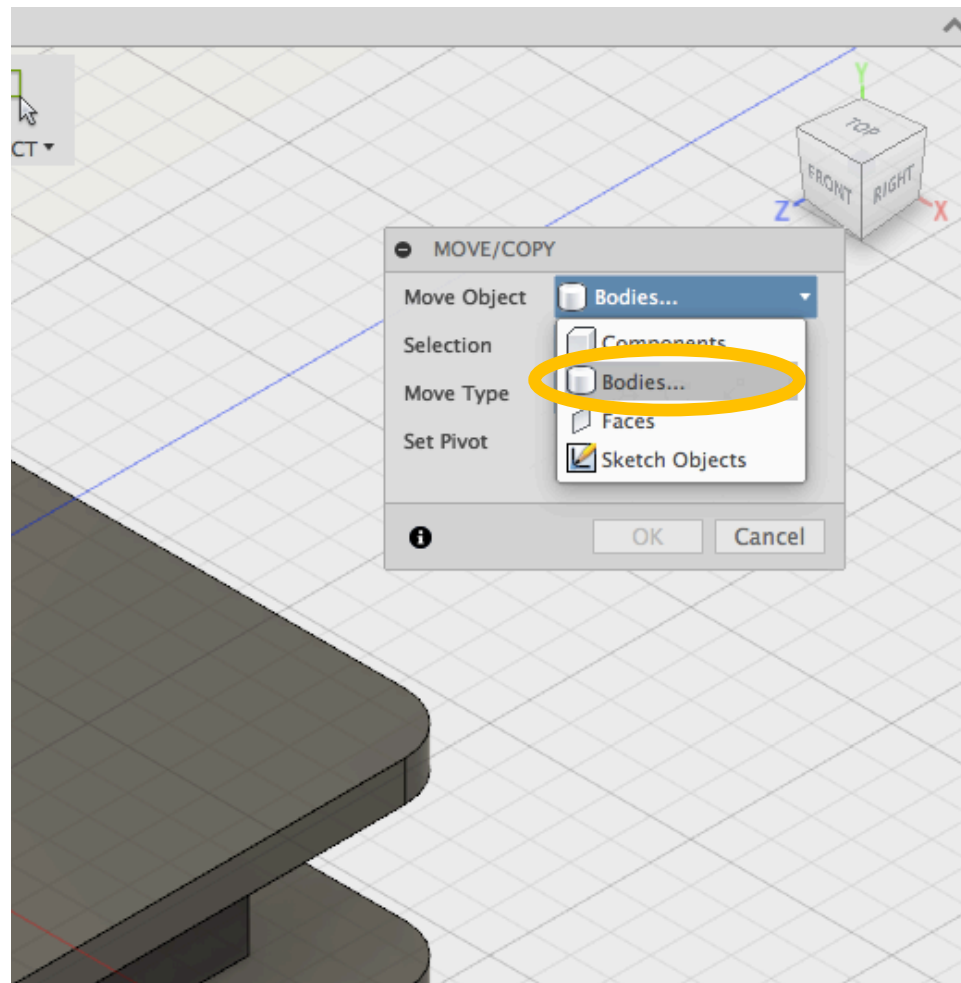
Step 5: Click "OK" then click ▦ to hide the data panel.

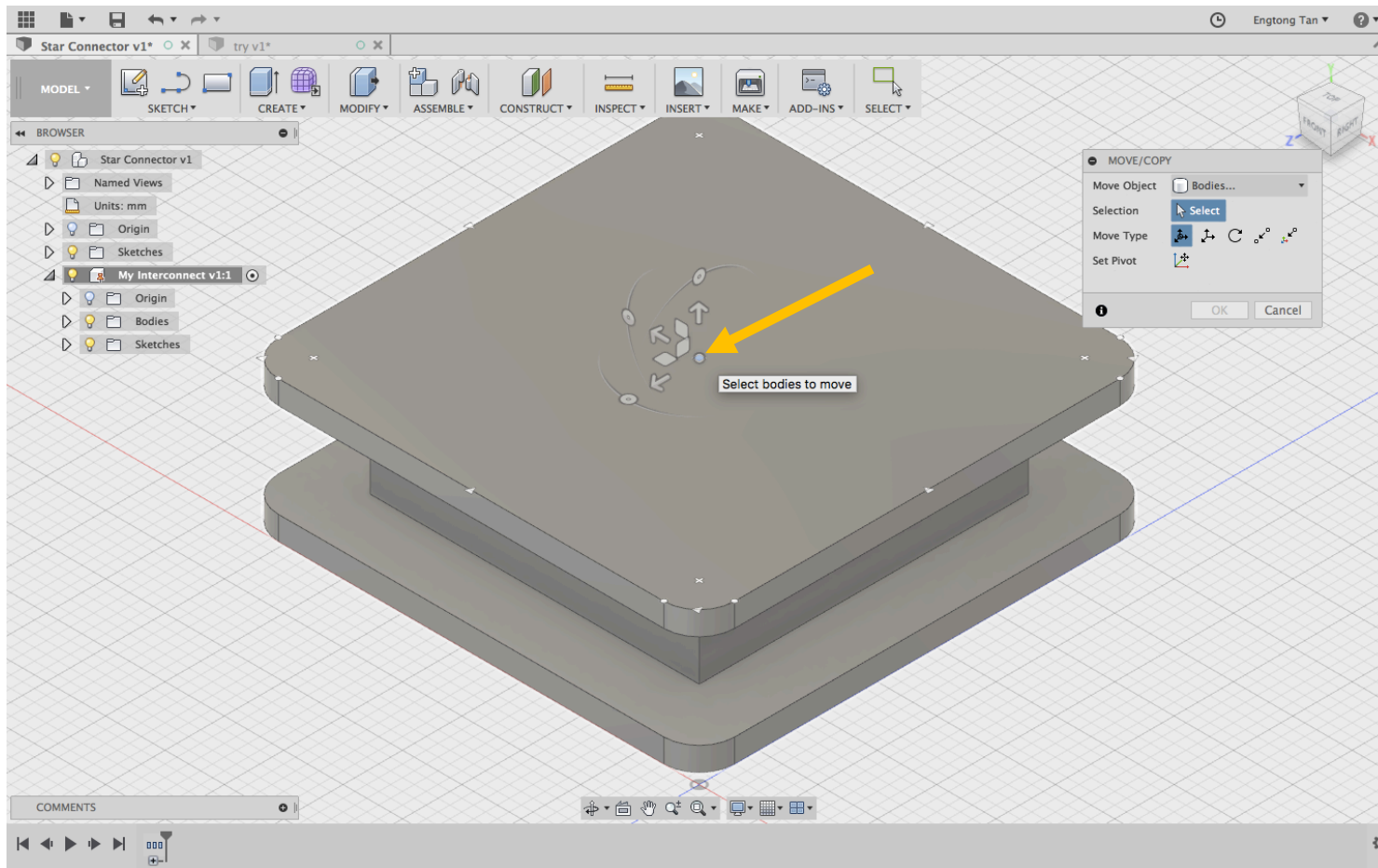# Step 6: Right click on "My Interconnect" then select "Break Link".
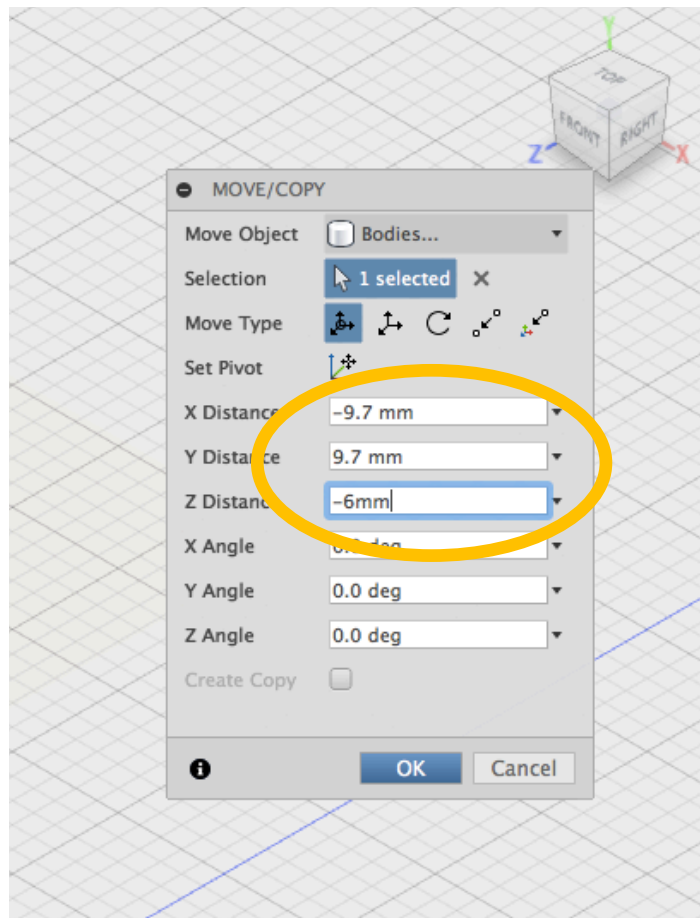
Step 7: Go to "Modify" > "Move/Copy".

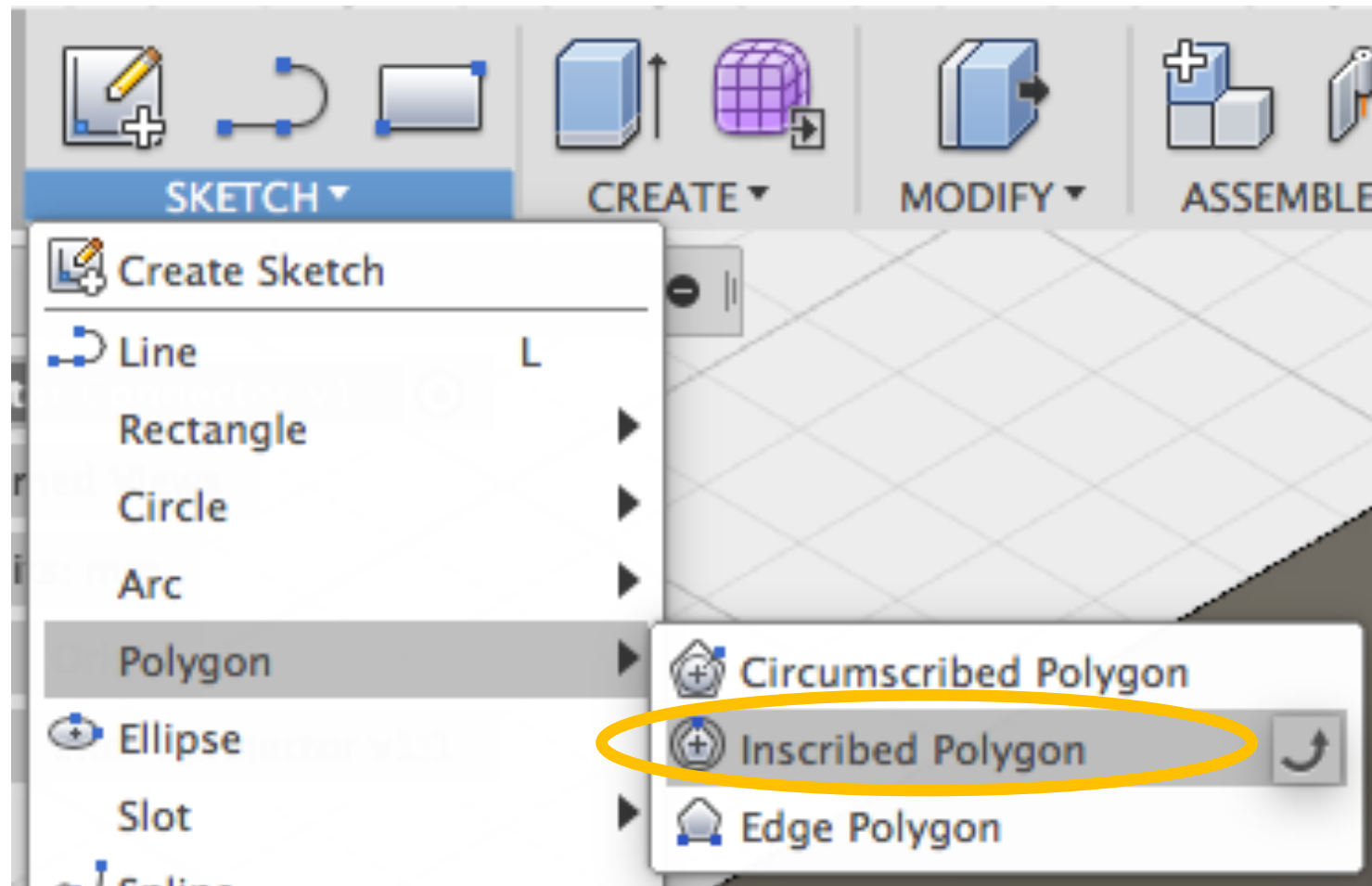# Step 8: Select "Bodies" at the drop-down menu.

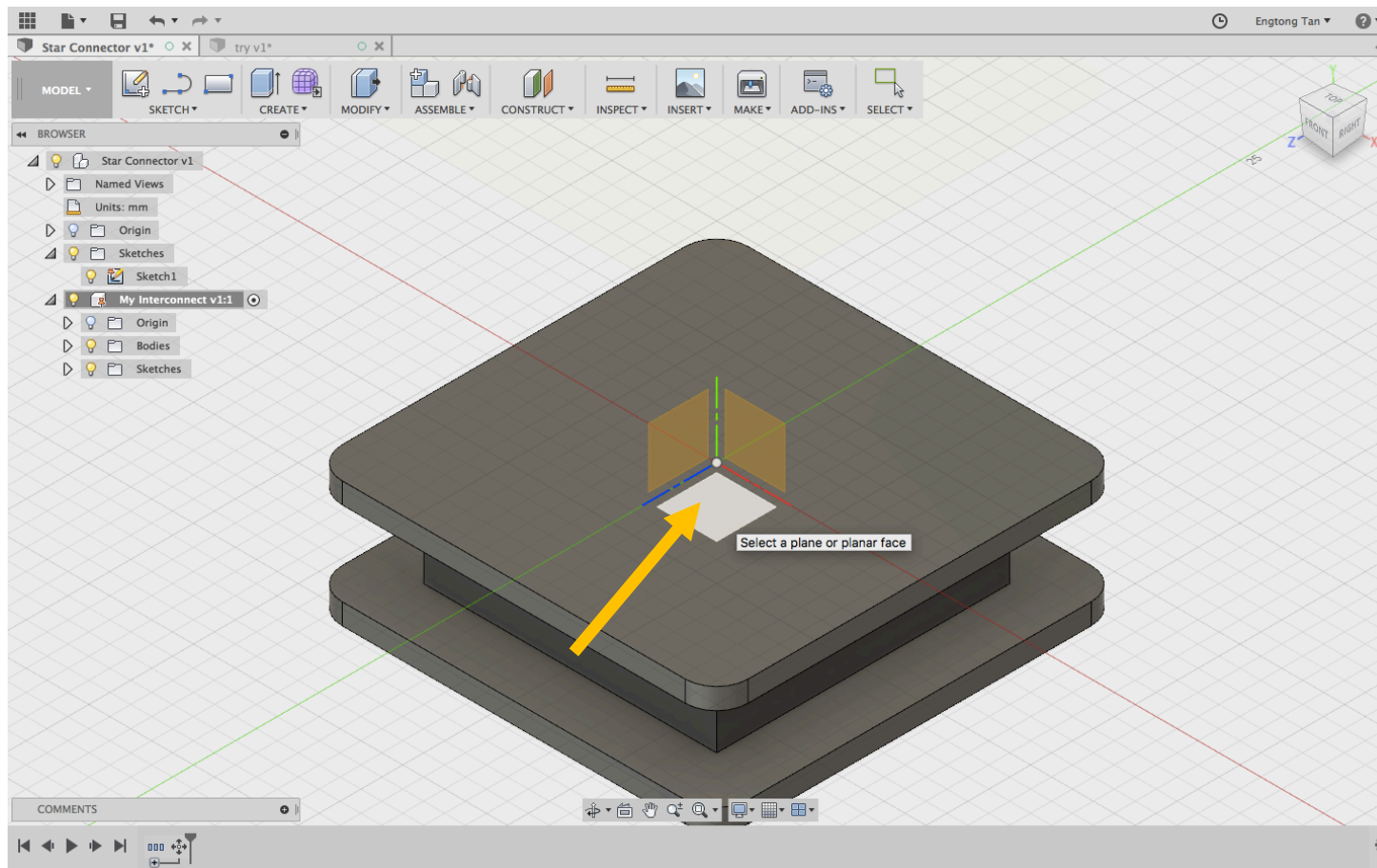# Step 9: Place indicator at the center of the interconnect.

Step 10: Key in "**-9.7mm**" for X, "**9.7mm**" for Y and "**-6mm**" for Z then click "OK" to move the part to the center point.

Step 11: Next, go to "Sketch" > "Polygon" > "Inscribed Polygon".
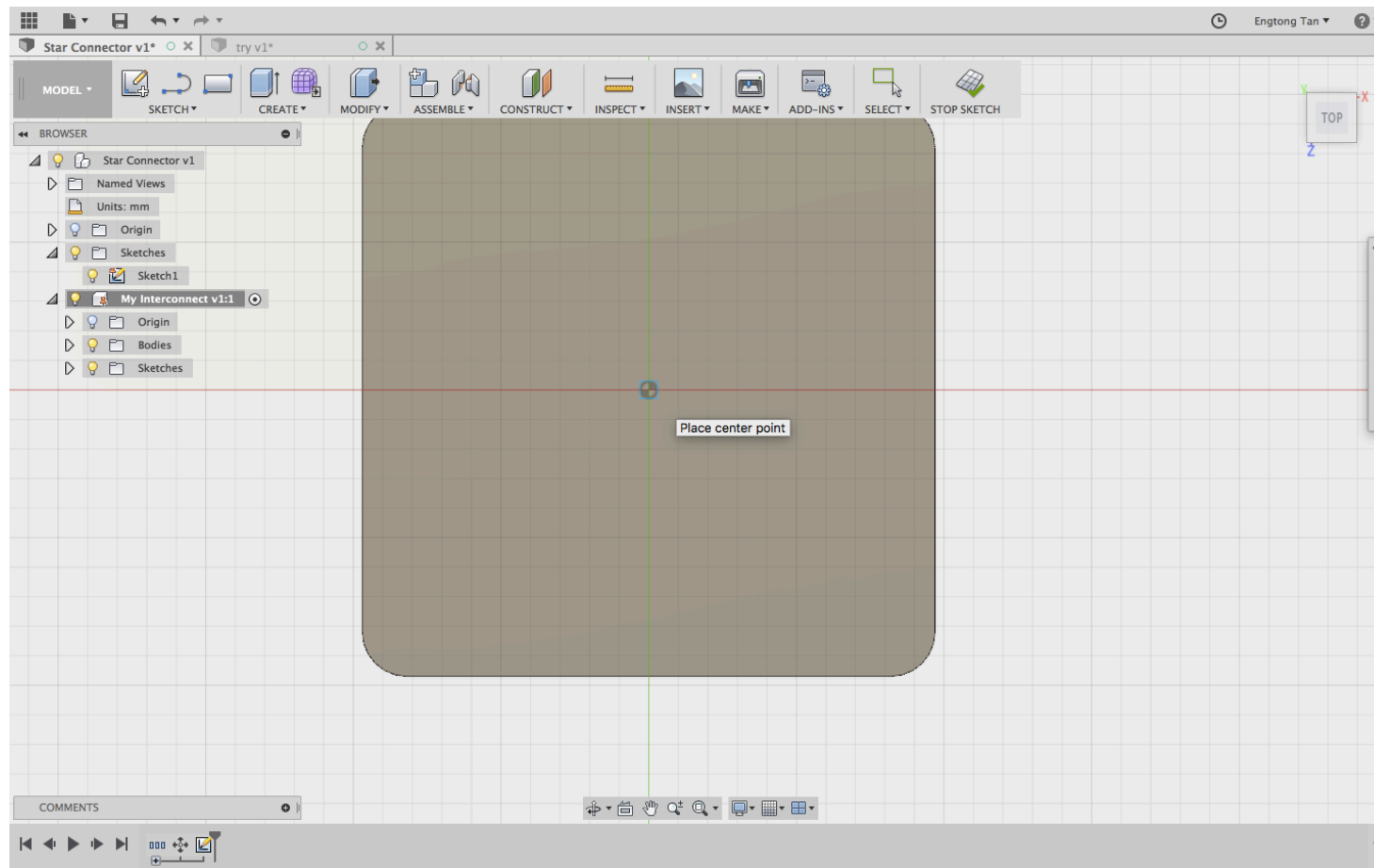
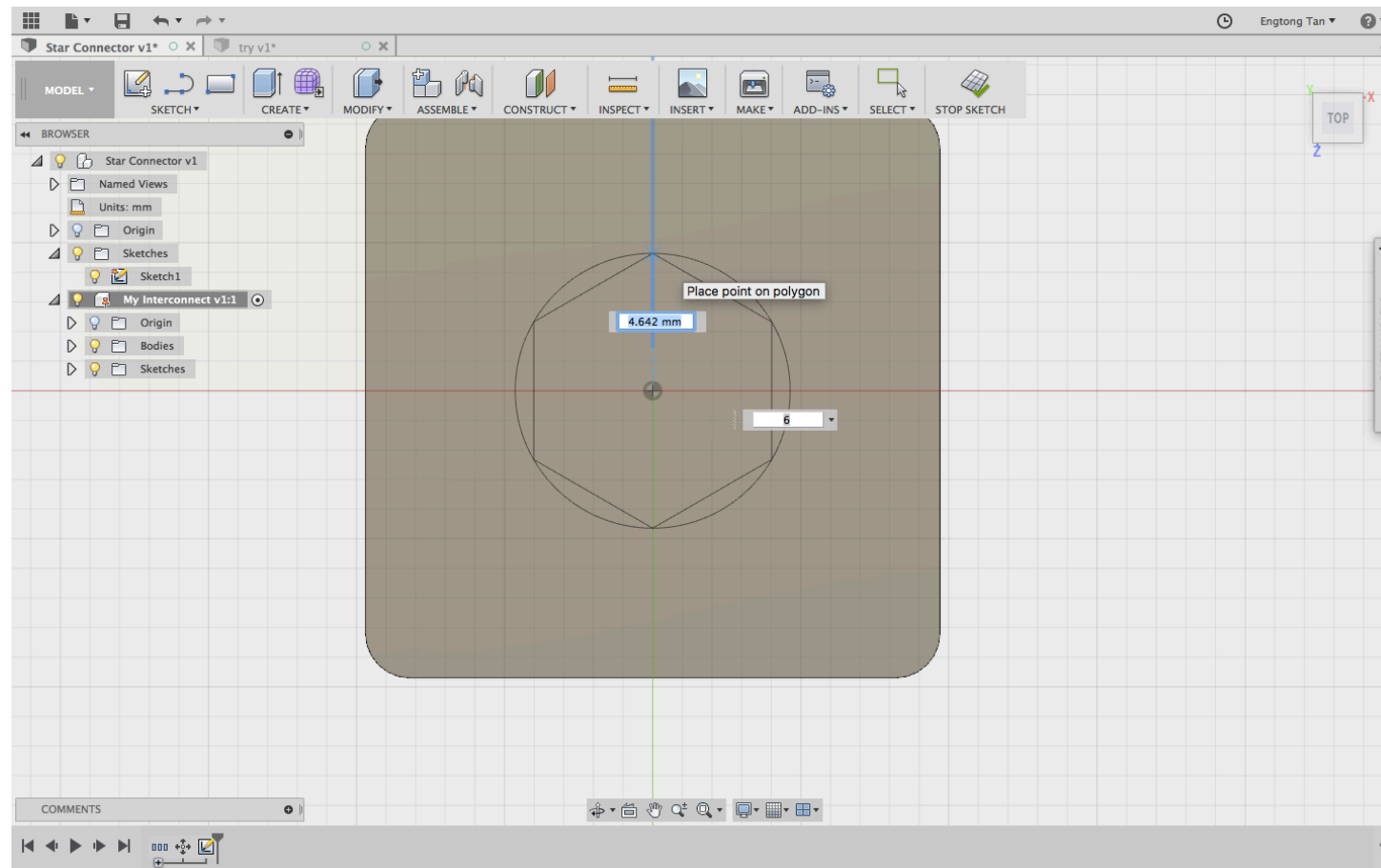# Step 12: Select the plane shown below.
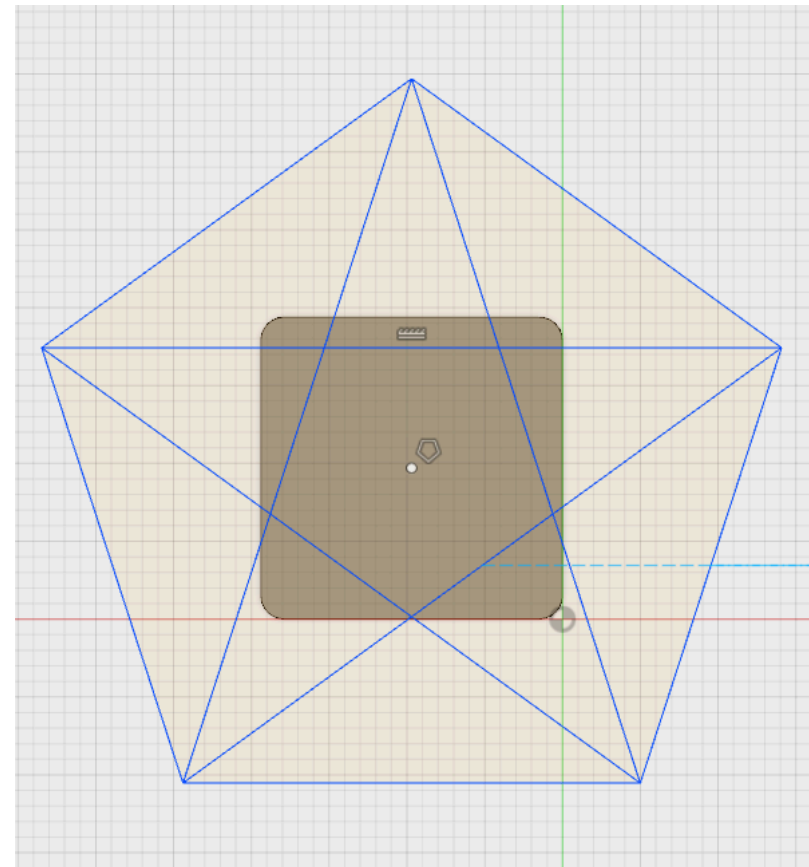
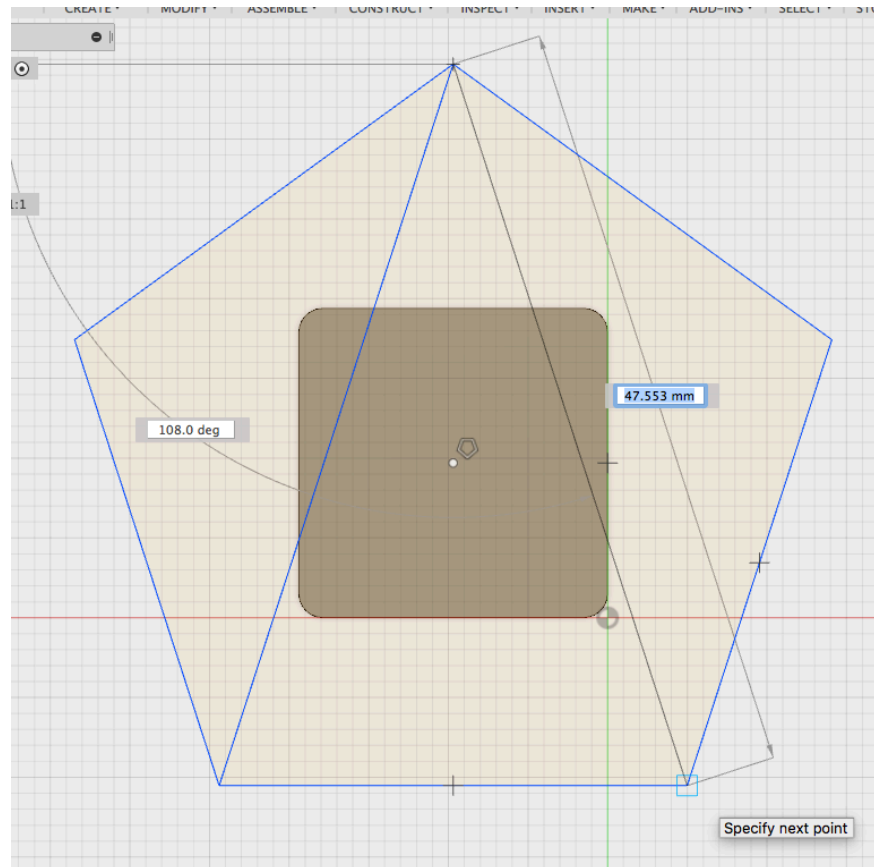# Step 13: Click on the center point.

Step 14: Drag your mouse upwards along the green line then key in "25" hit "tab" then "5" and "Enter".
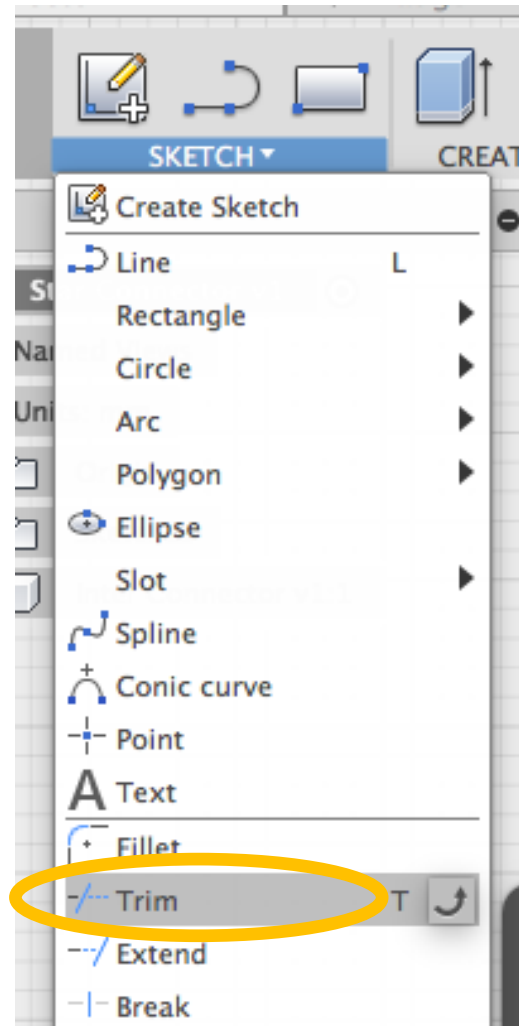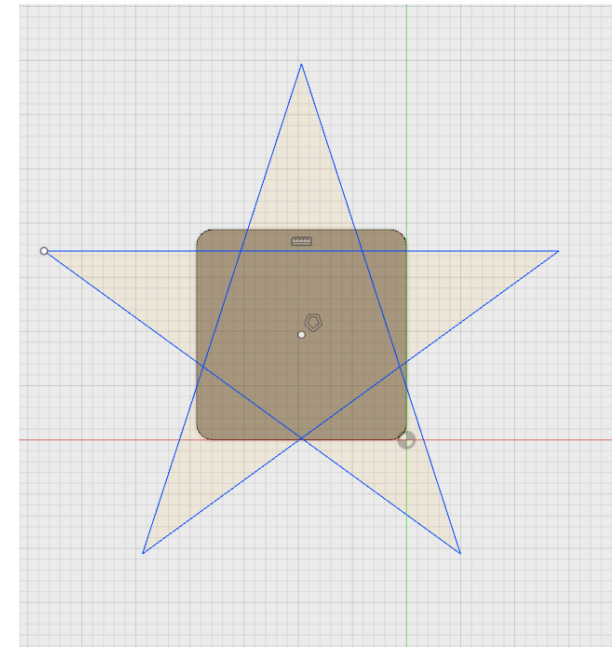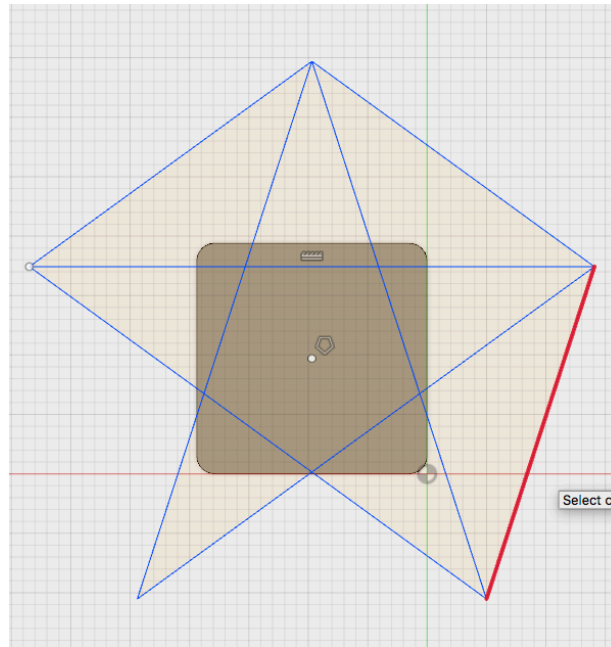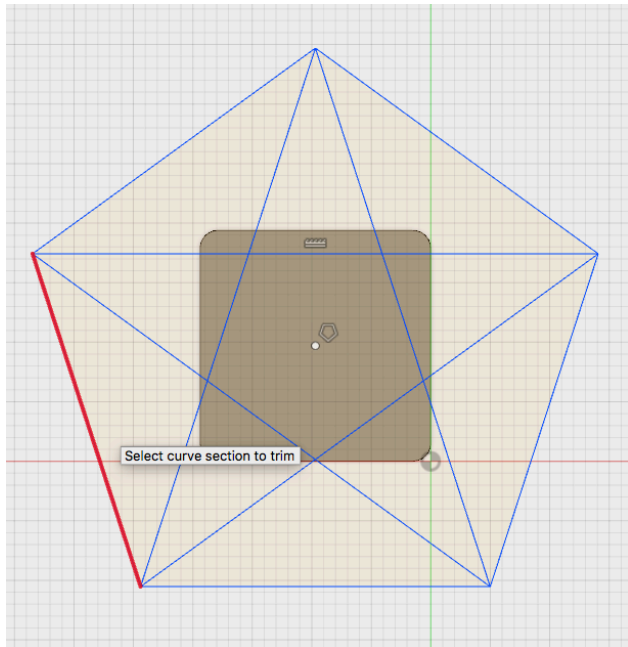
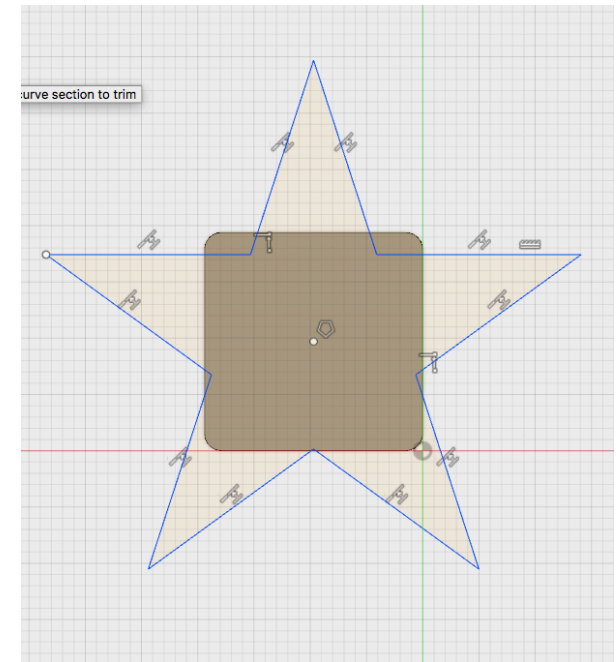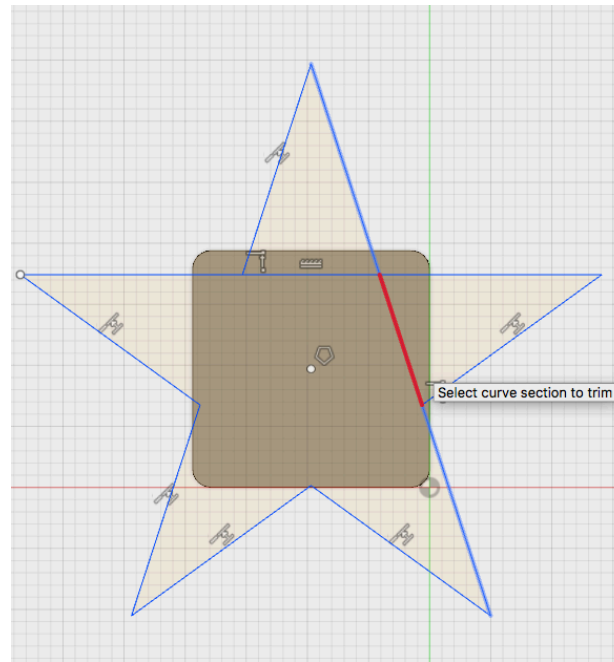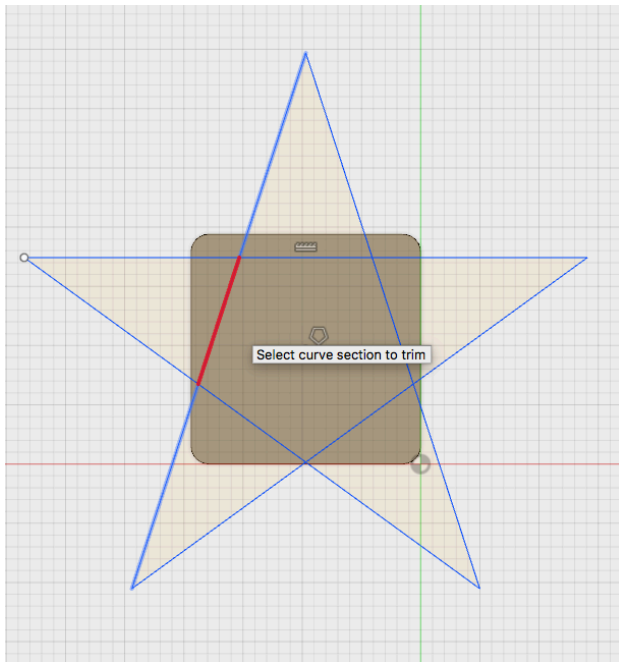# Step 15: Draw lines from one edge to the opposite edges to create a 'star' shape.

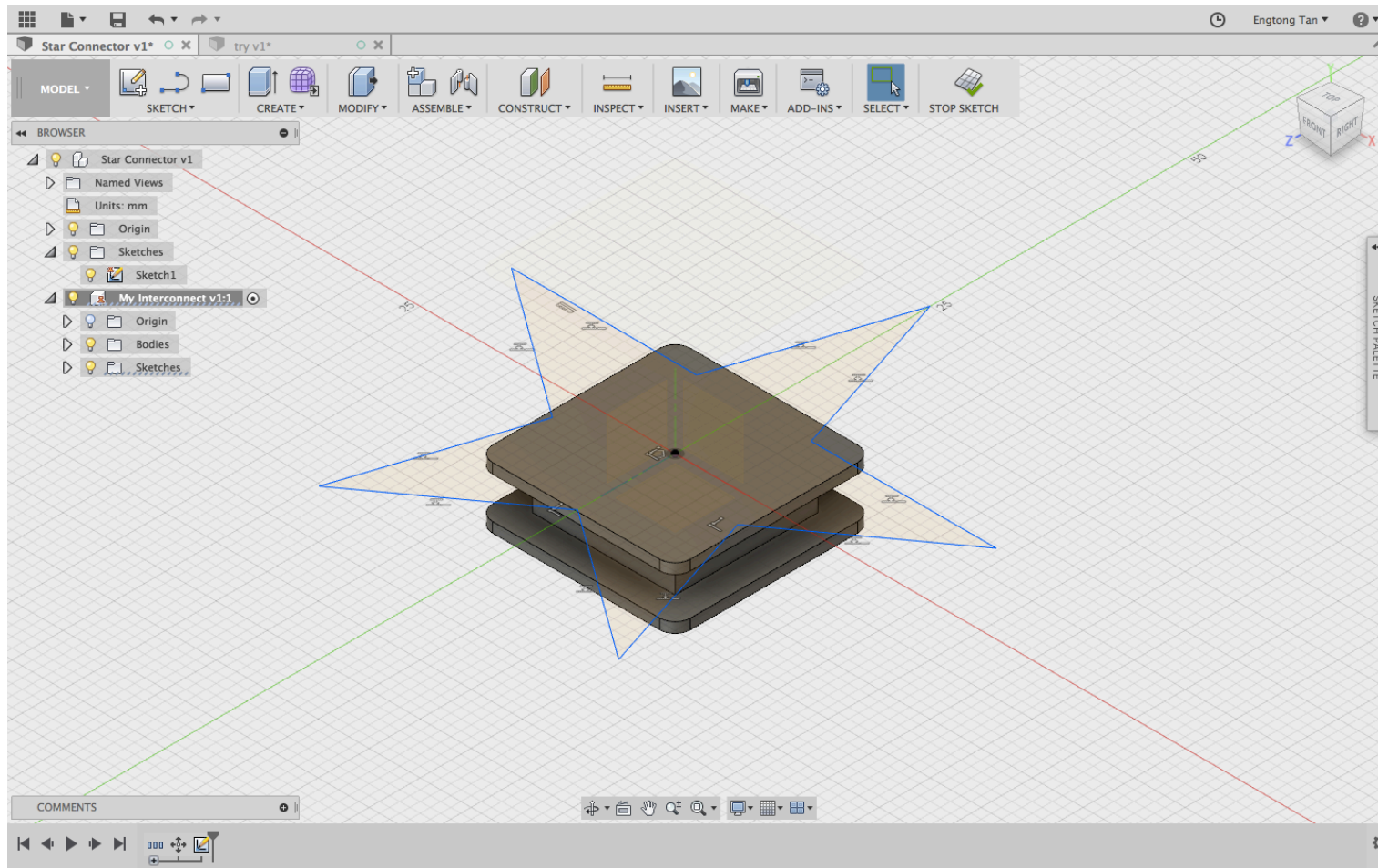# Step 16: Next, go to "Sketch" > "Trim".

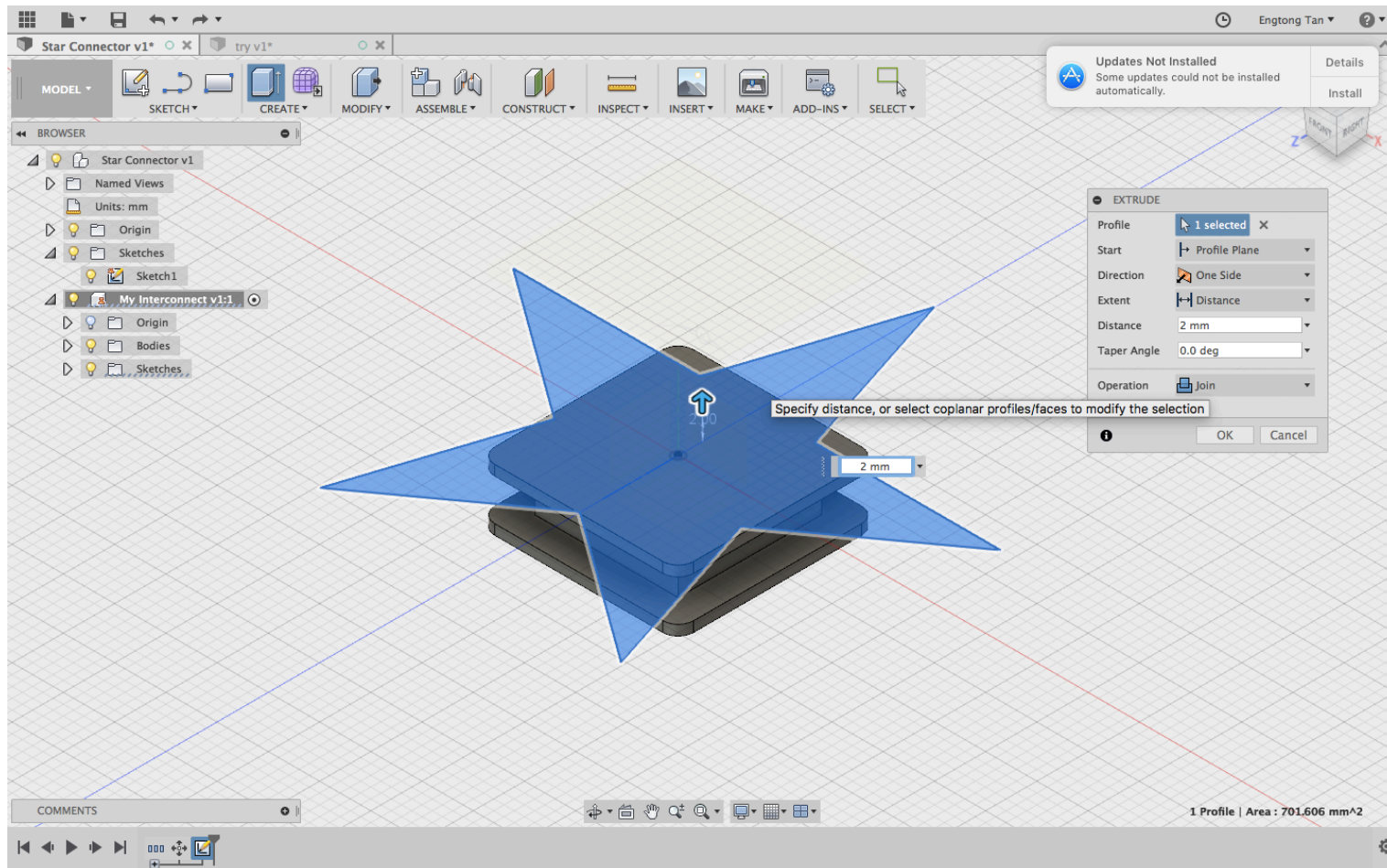# Step 17: Trim off the outer lines as shown below.

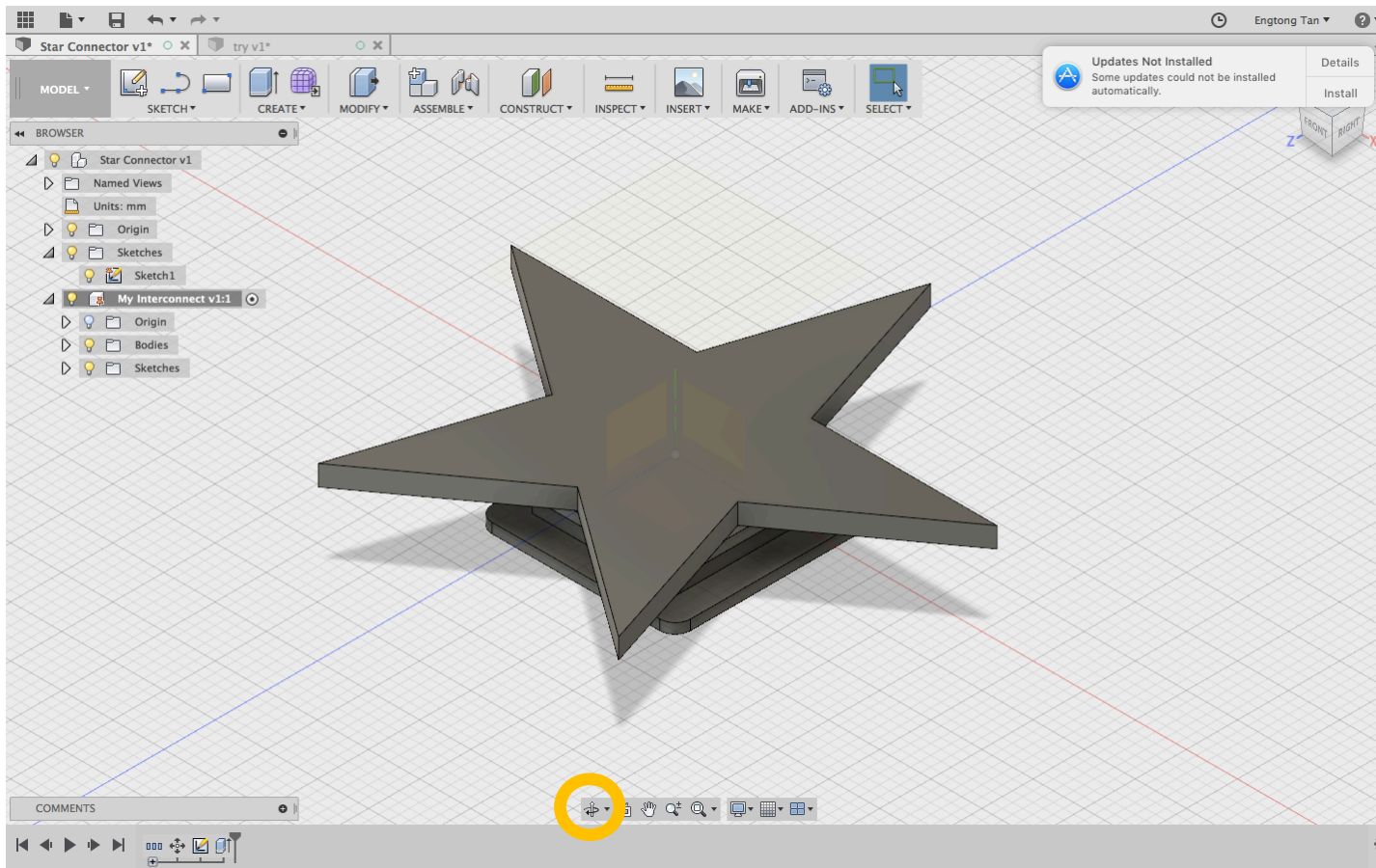# Step 18: Then followed by the inner lines until you get a star shape.

Step 19: Click 🏠 to change to isometric view.
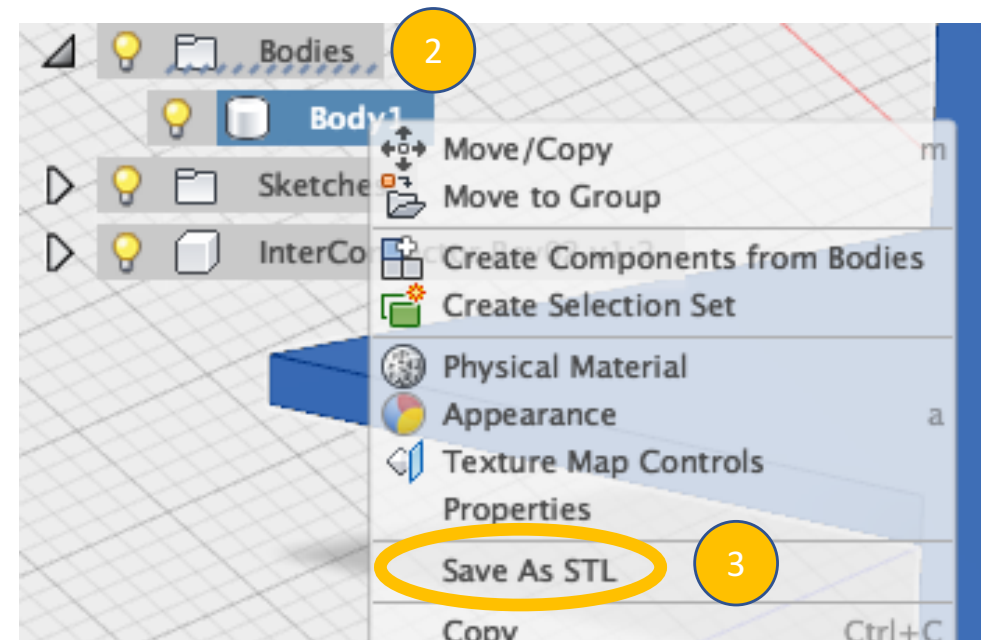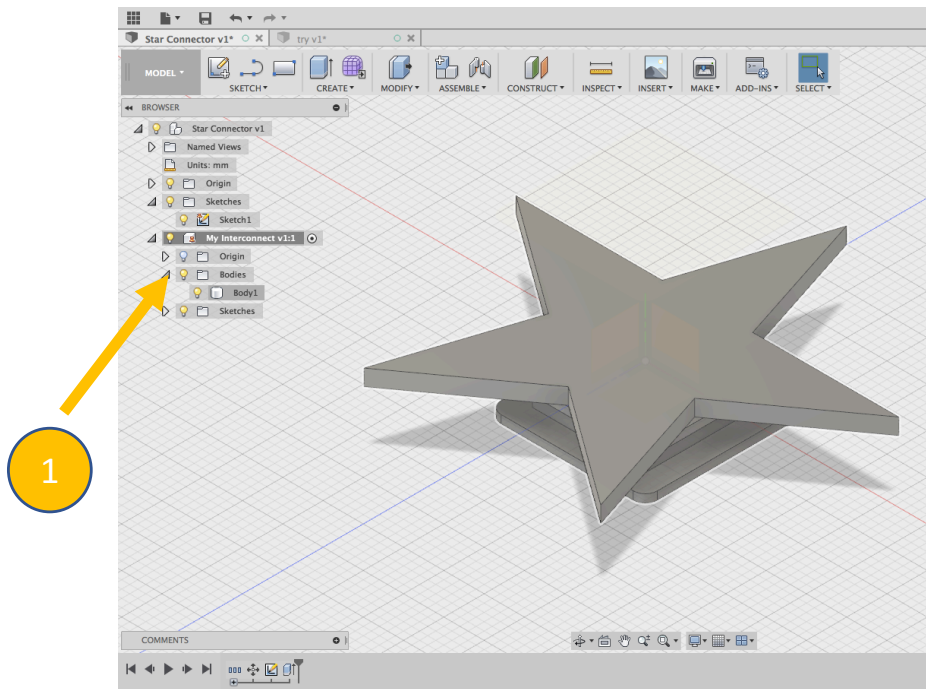
Step 20: Extrude the 'star' by 2mm.

Step 21: You did it! You can now click "Orbit" to view your design in different angles.
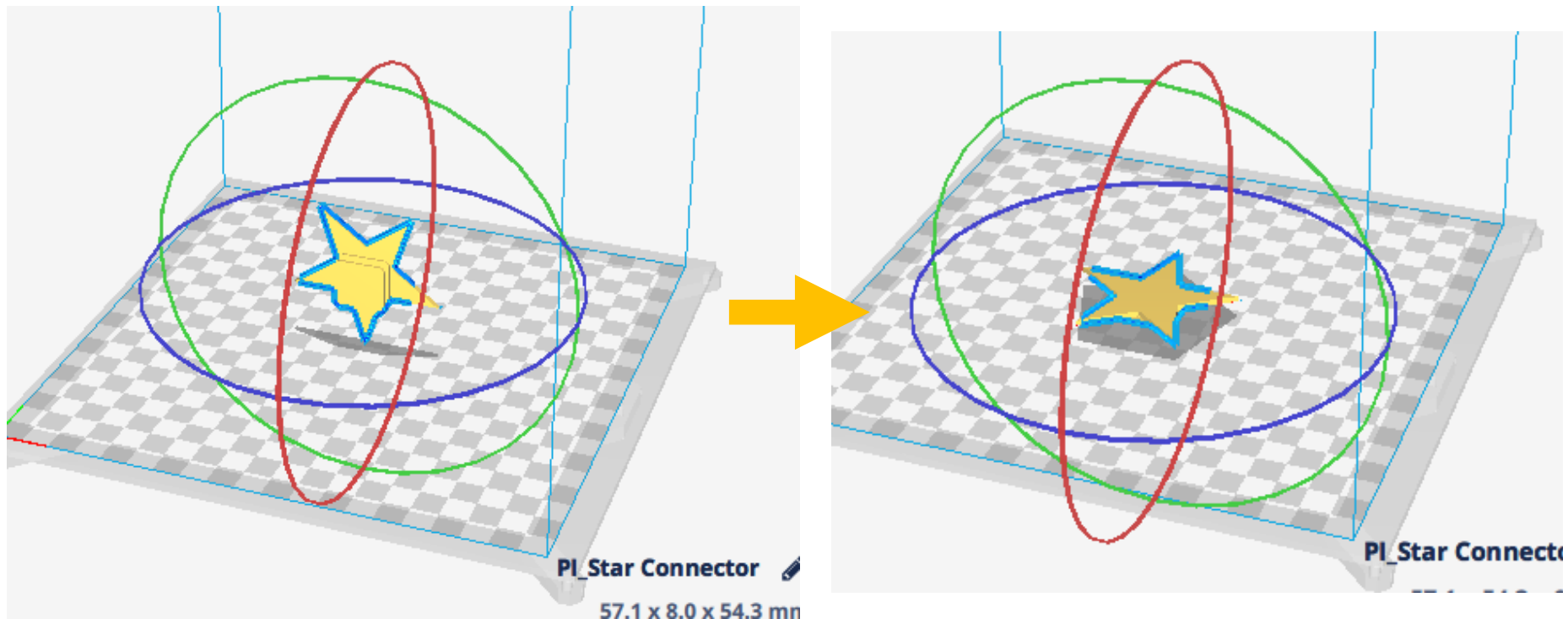
Step 22: At the "Browser", expand the "Bodies" folder, right click on "Body1" then click "Save as STL".

Step 23: Import the STL file into the Cura software. Rotate the orientation of the object into flat position as shown below.

Step 24: Follow the print setting shown below.

Print Setup   Recommended ⬤ Custom

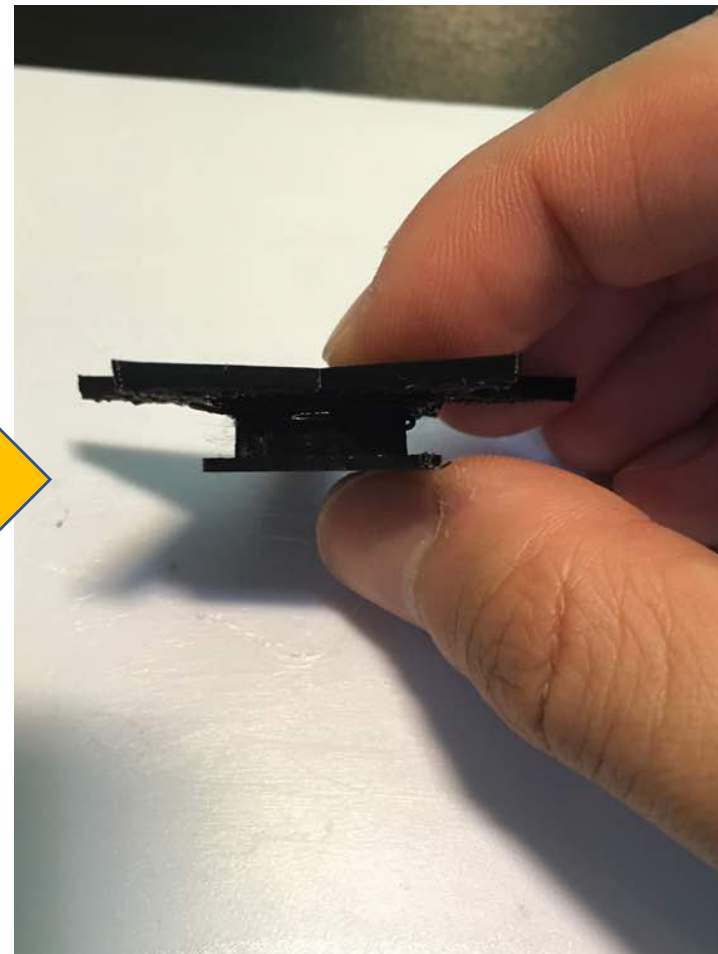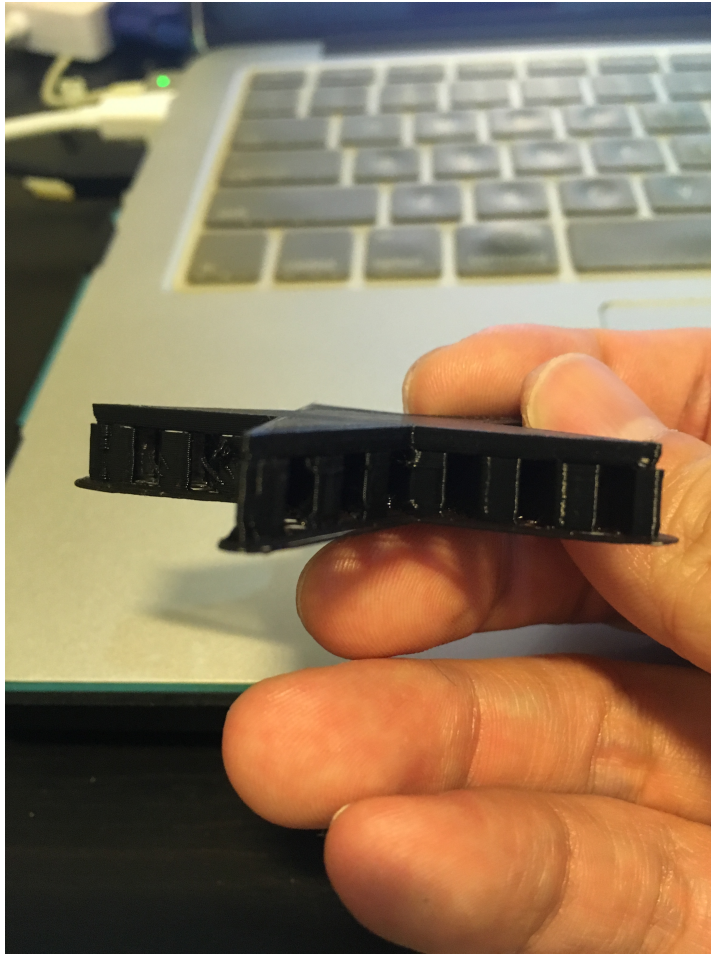Infill

0% 20% 50% 100% Gradual
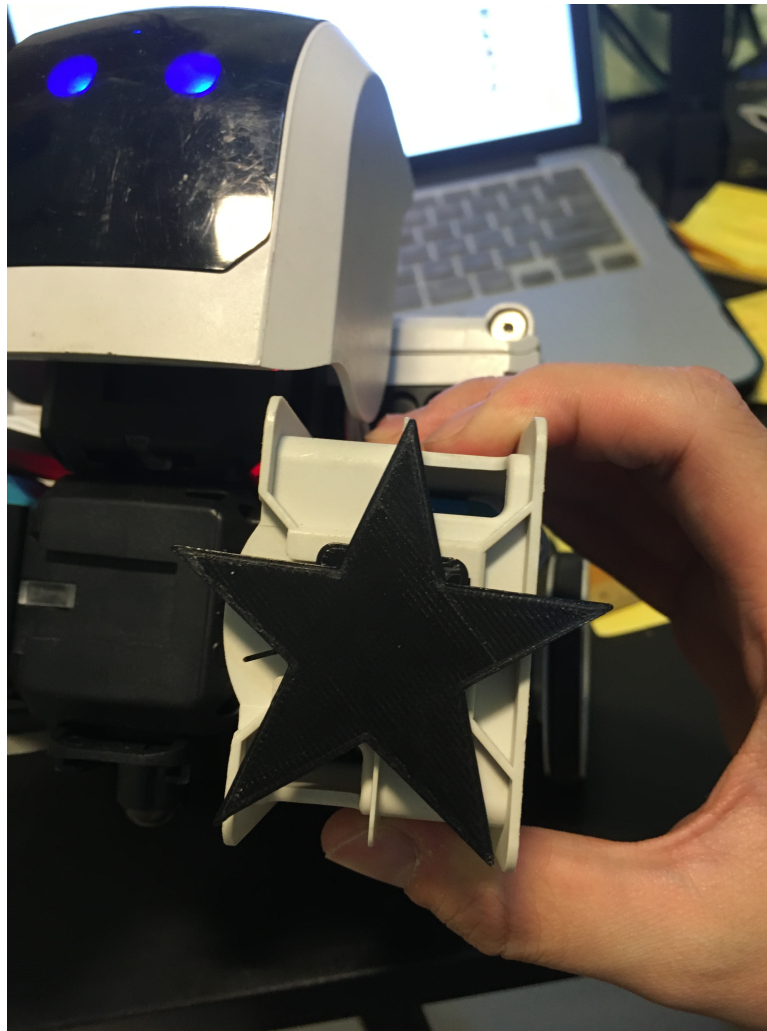
Generate Support ✔

Build Plate Adhesion ✔

Need help improving your prints?
Read the Ultimaker Troubleshooting Guides

Step 25: Remove the 'support' to get the finished part we want.

Step 26: Attach it to your rero!

Challenge:

- Try to make different shaped interconnect!