

THE AVALANCHE ROLL

Created by:
@dabecart

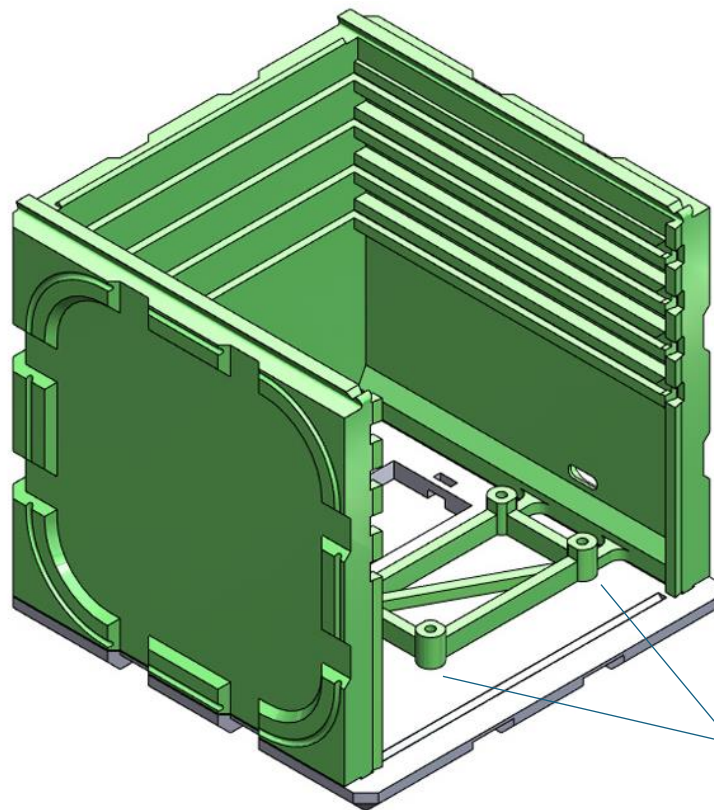
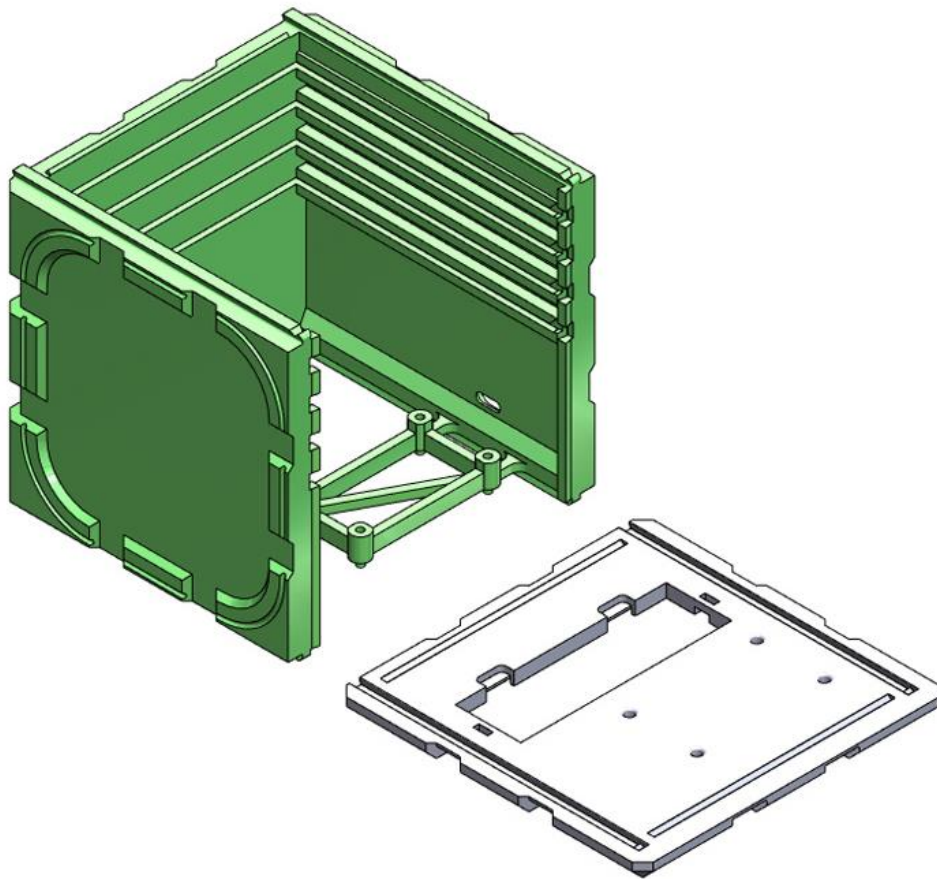
Assembly Manual

1st Edition

9th of November, 2024

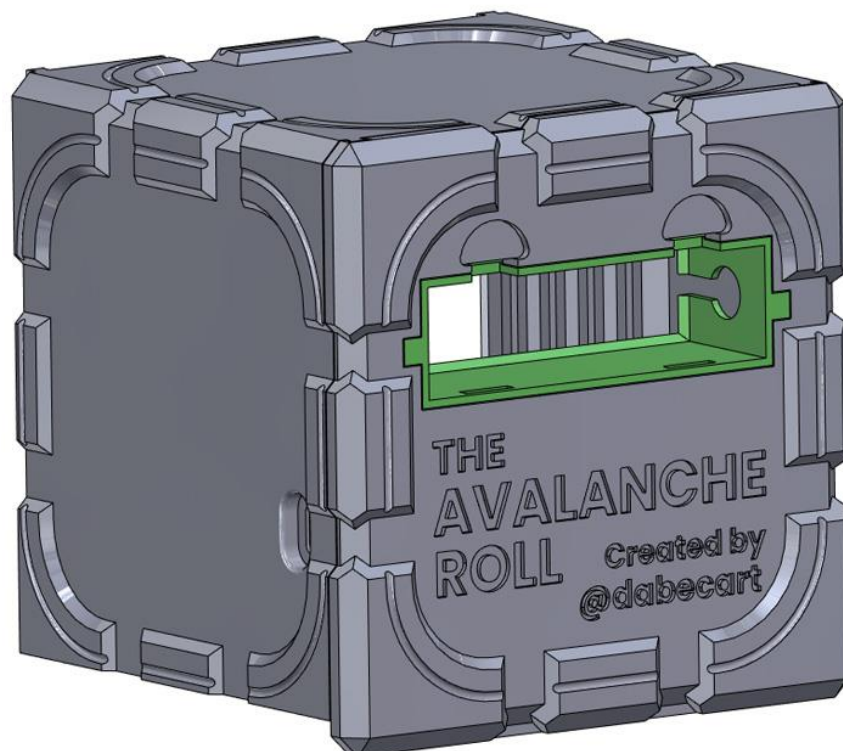
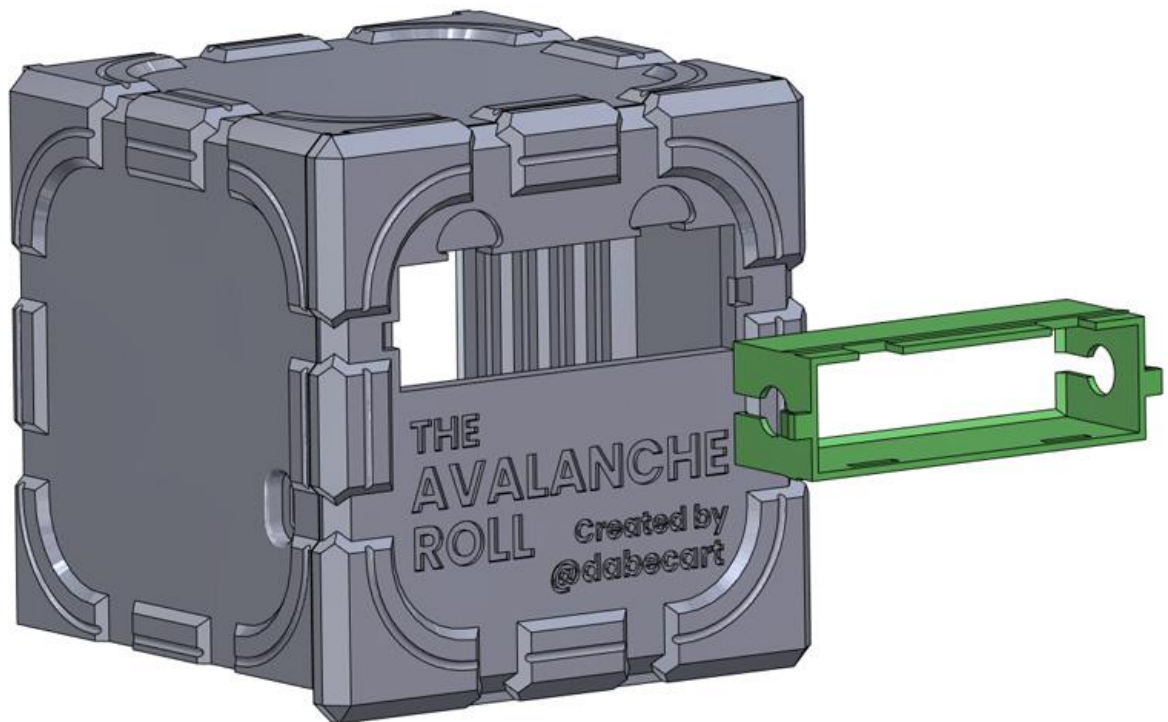
github.com/dabecart/TheAvalancheRoll

Step 1. Slide the PCB rack over the bottom face of the Dice.

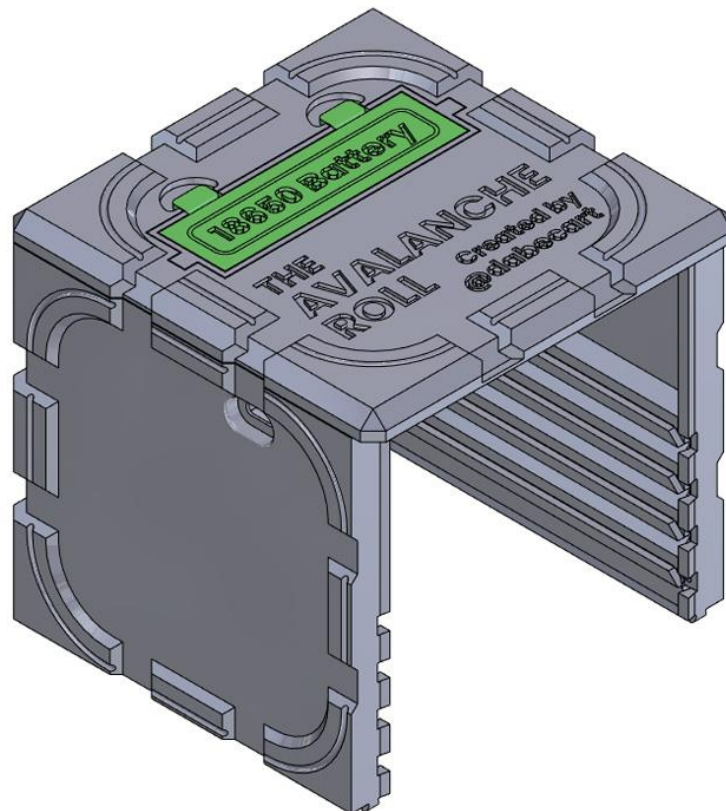
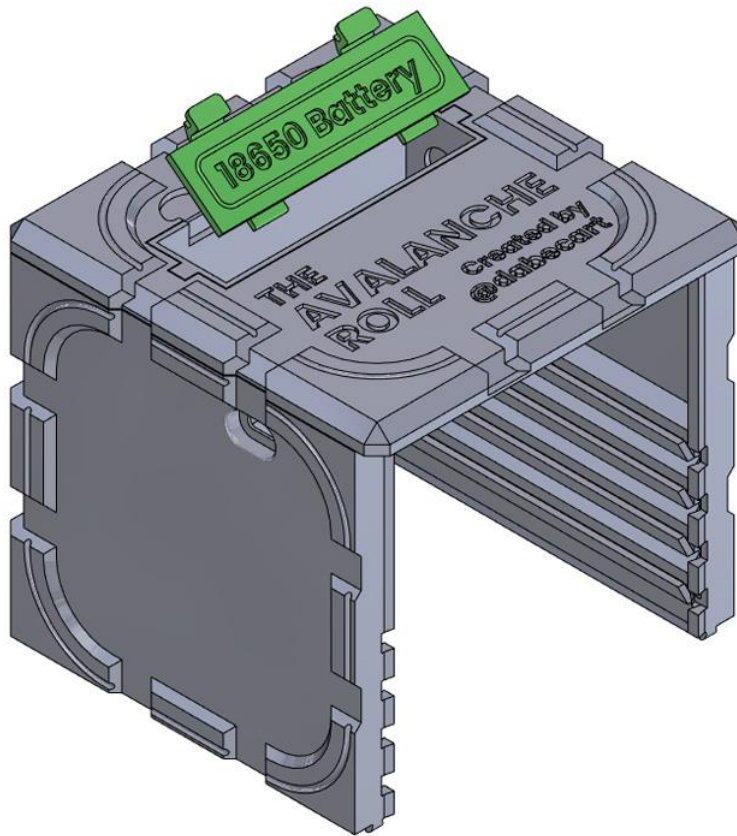


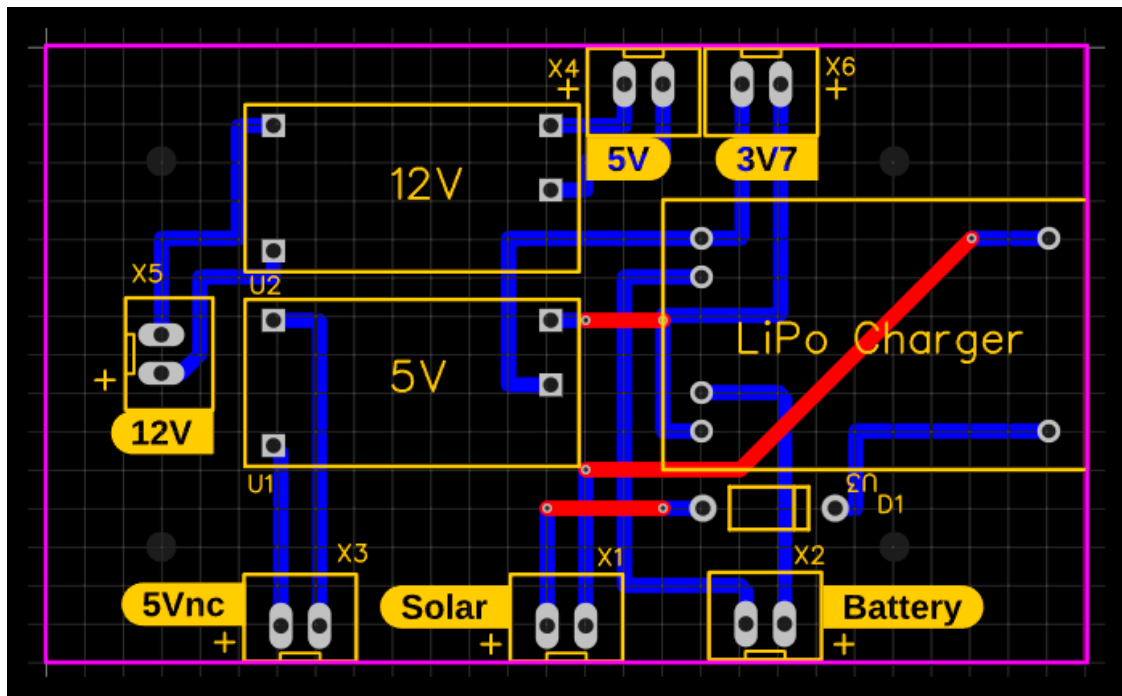
Be sure to fit
the pegs.

Step 2. Insert the battery case holder on the rectangular hole of the base.

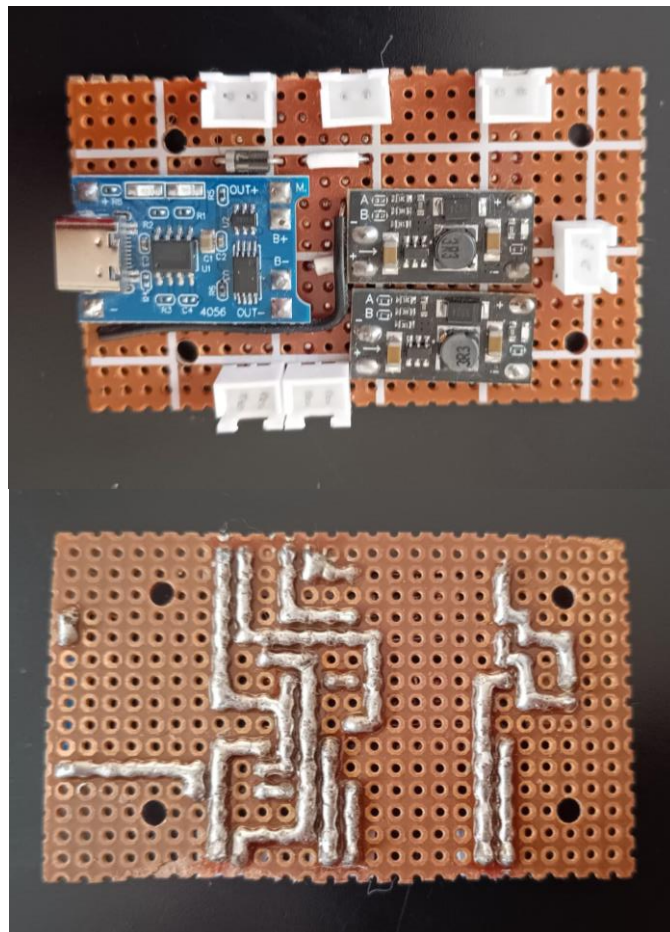


Step 3. Push the battery lid in place.



Step 4. Build the power board

This is the power module to build on perfboard (scale is x2 in A4, grid size is 2.54 mm).

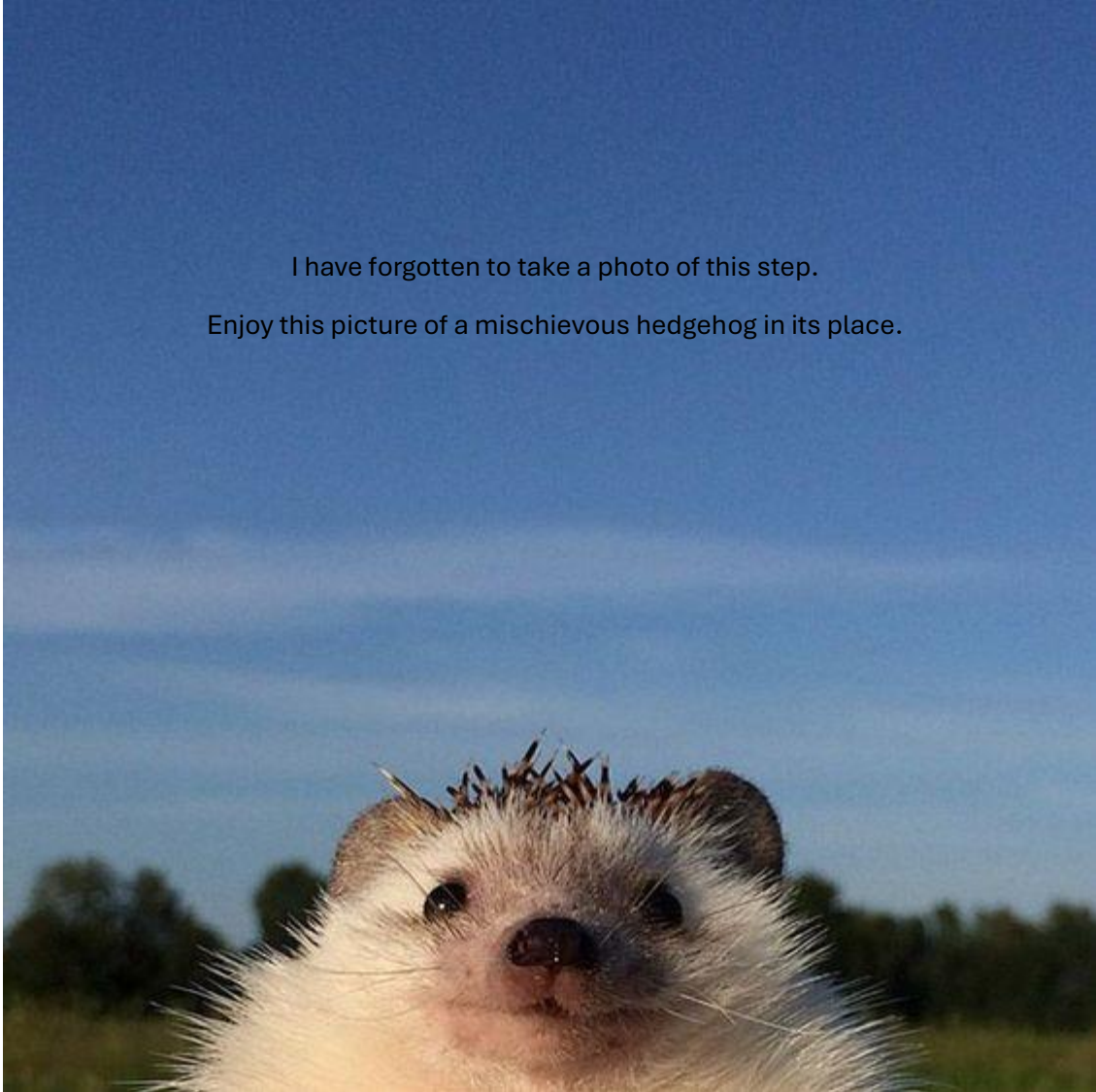


Top and bottom view.

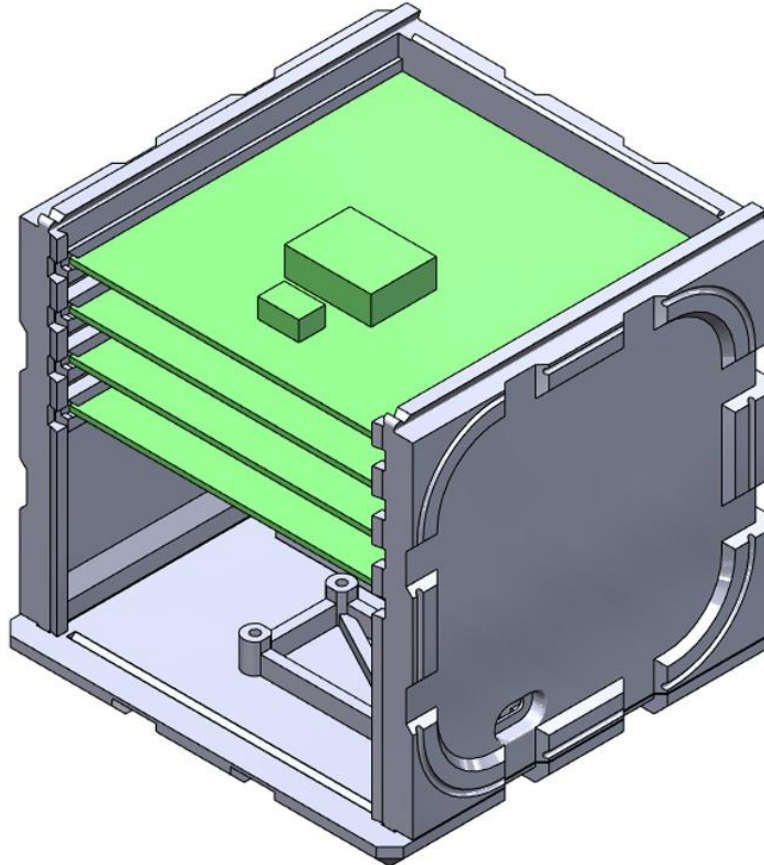
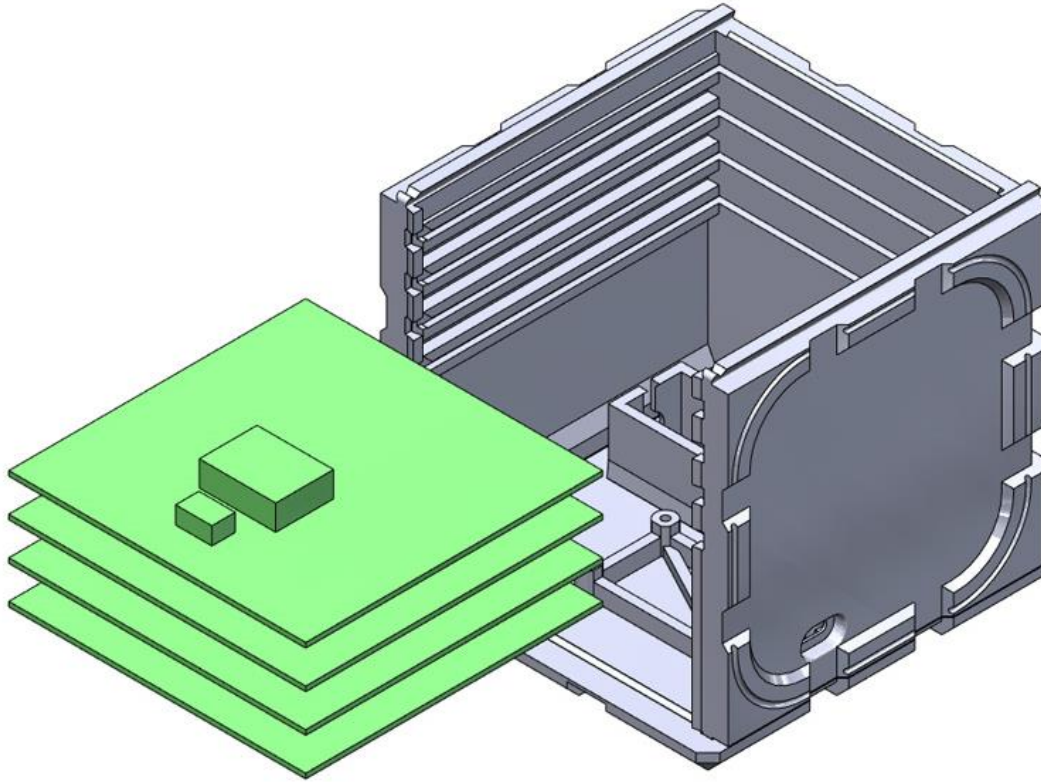
Step 5. Screw the power board in place and wire all the connectors.

I have forgotten to take a photo of this step.

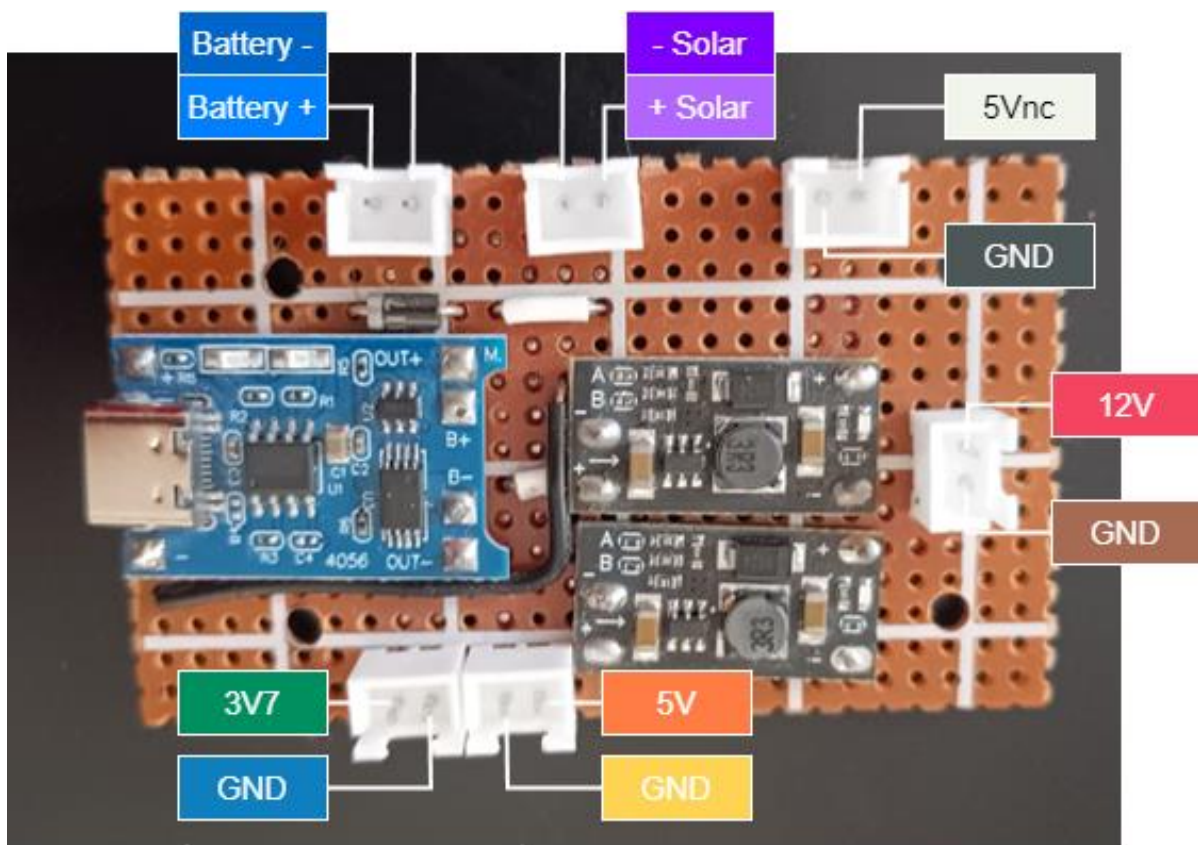
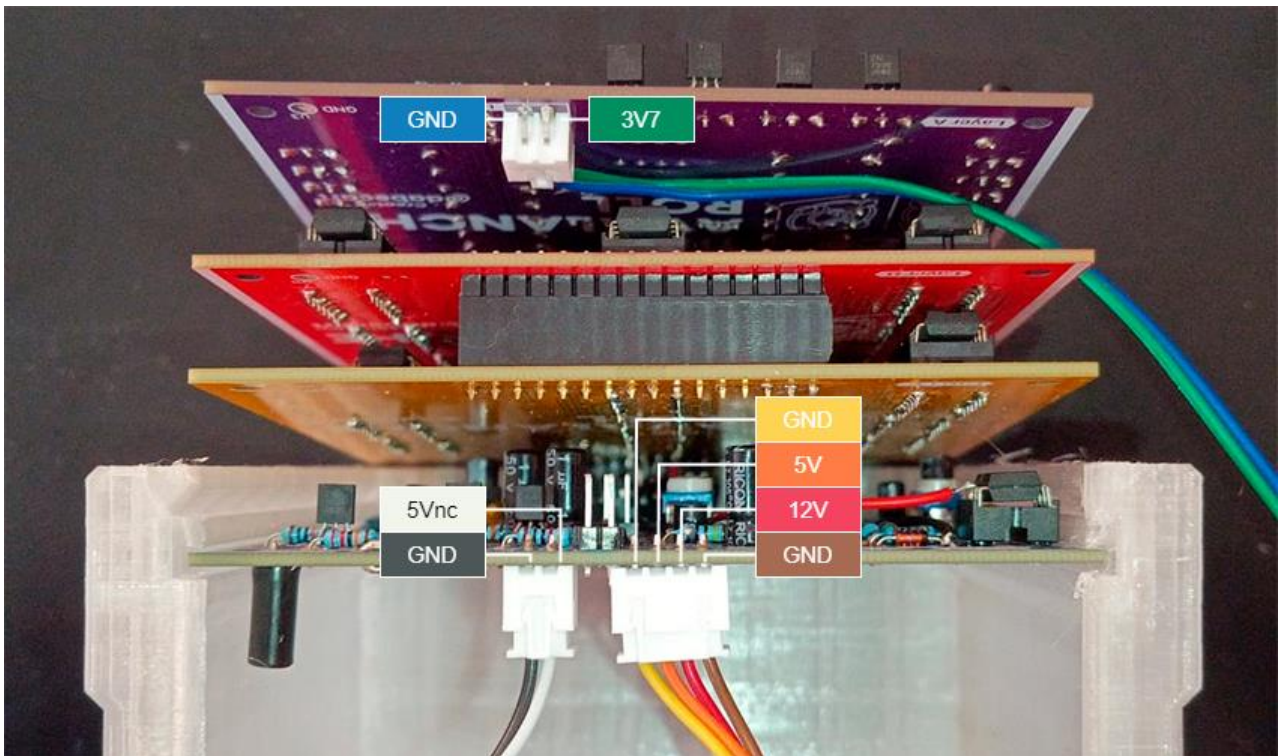
Enjoy this picture of a mischievous hedgehog in its place.



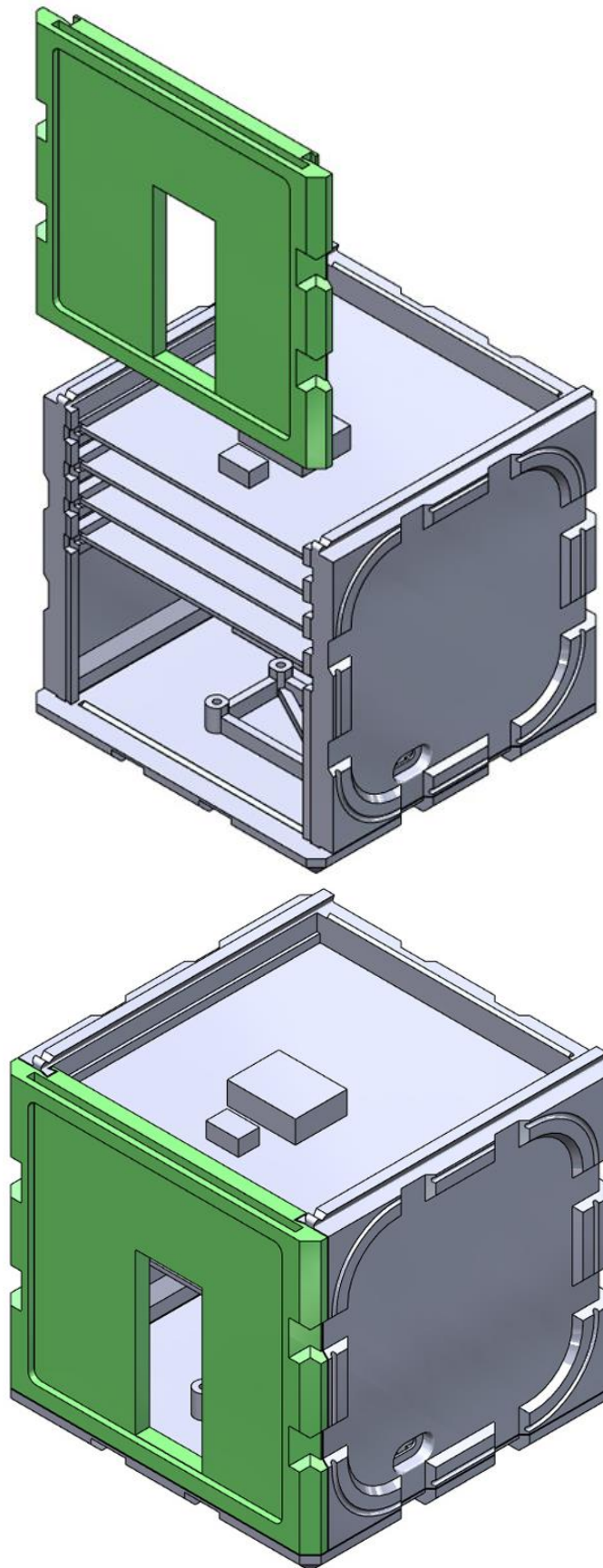
Step 6. Slide the PCBs in the rails of the rack.



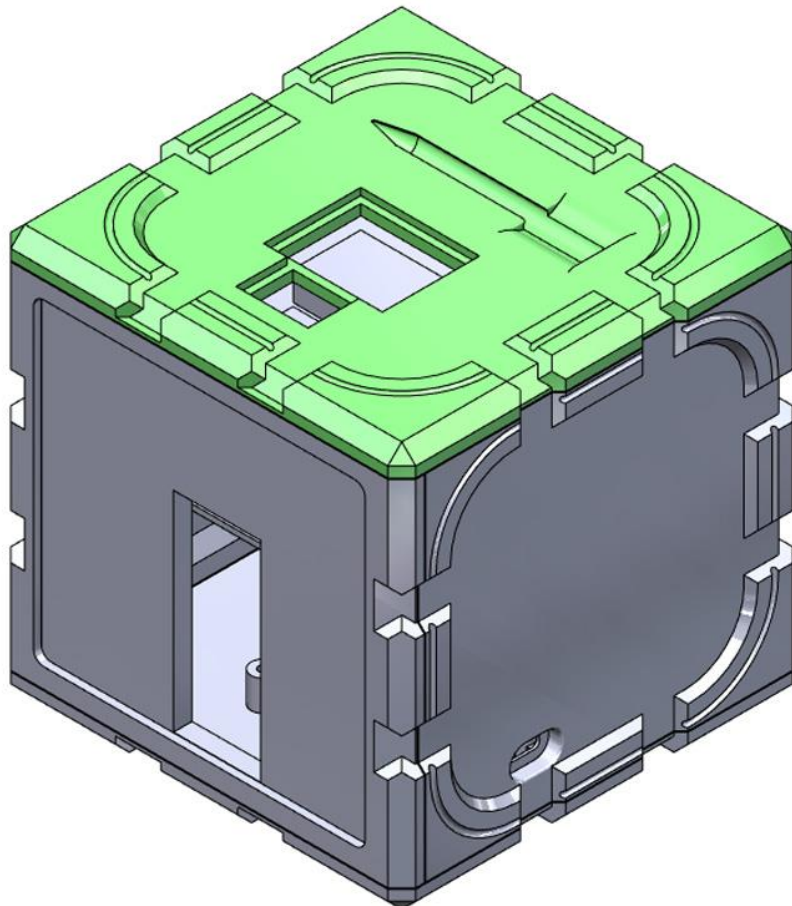
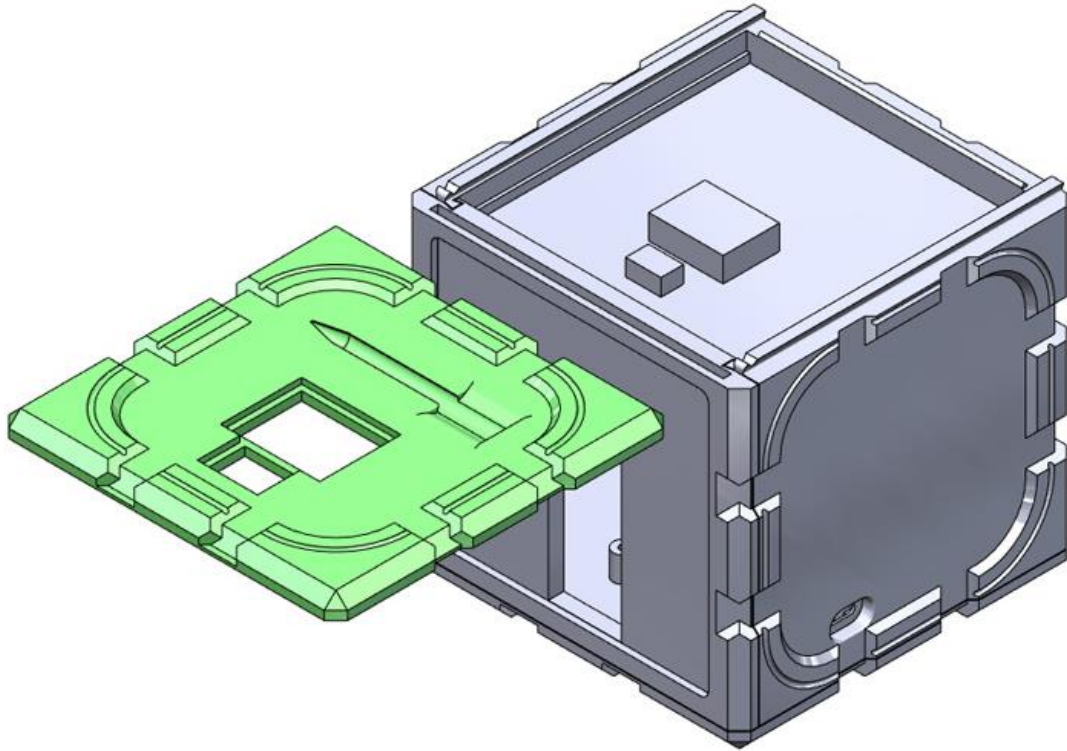
Step 7. Wiring



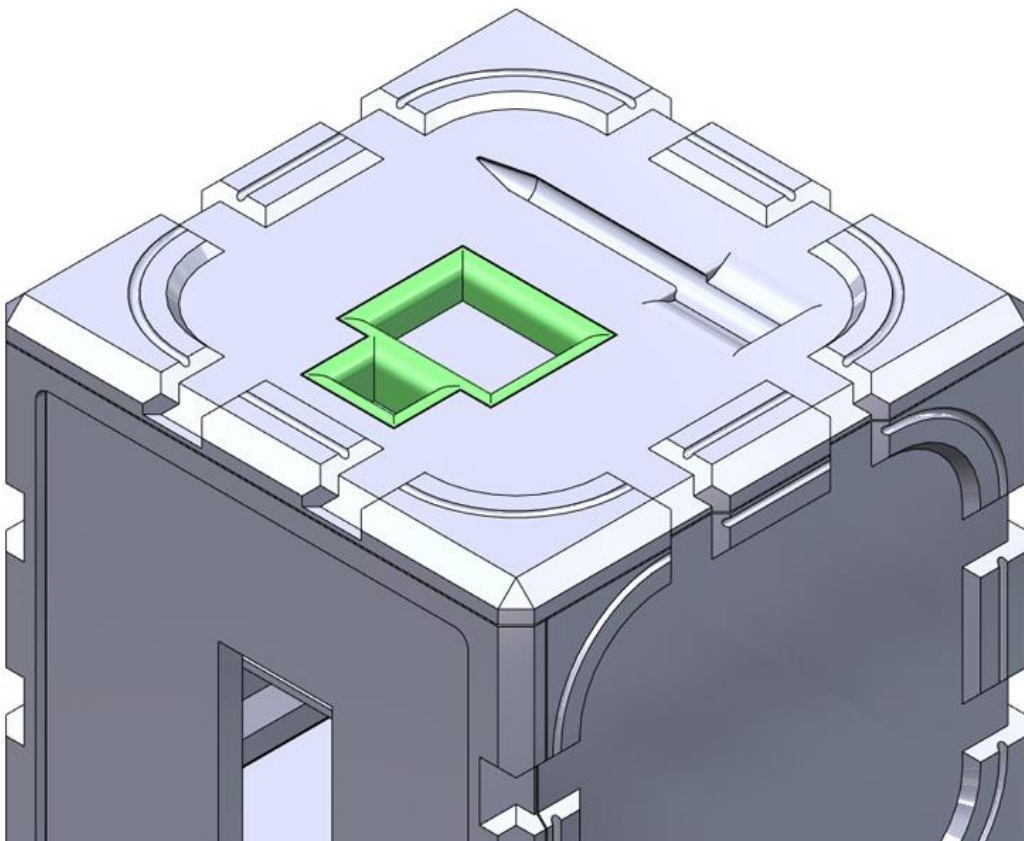
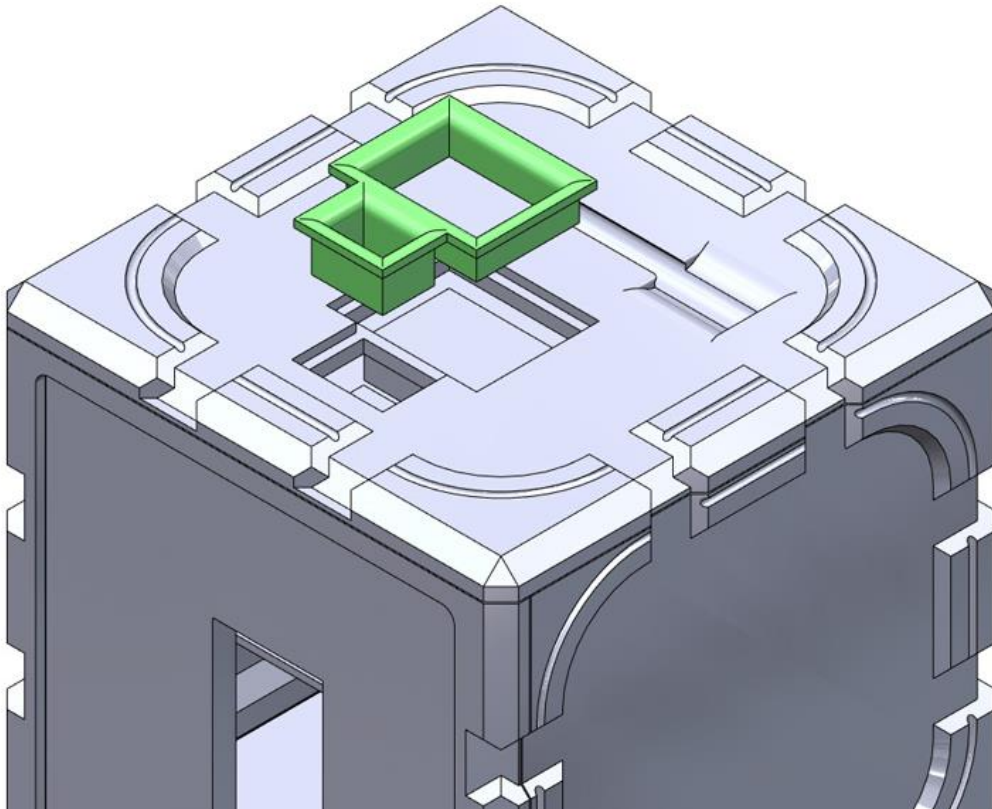
Step 8. Slide the front face of the Dice with its solar panel in place.



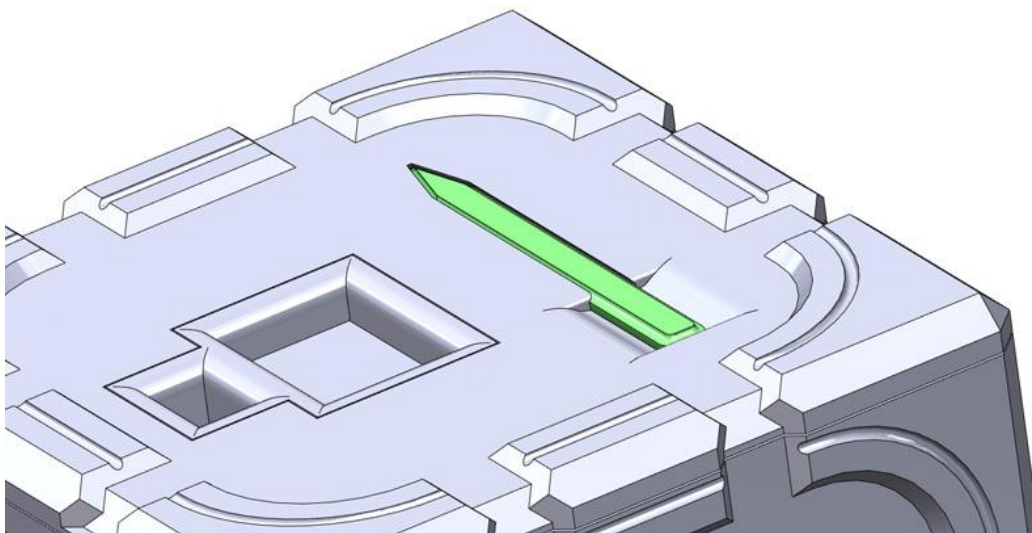
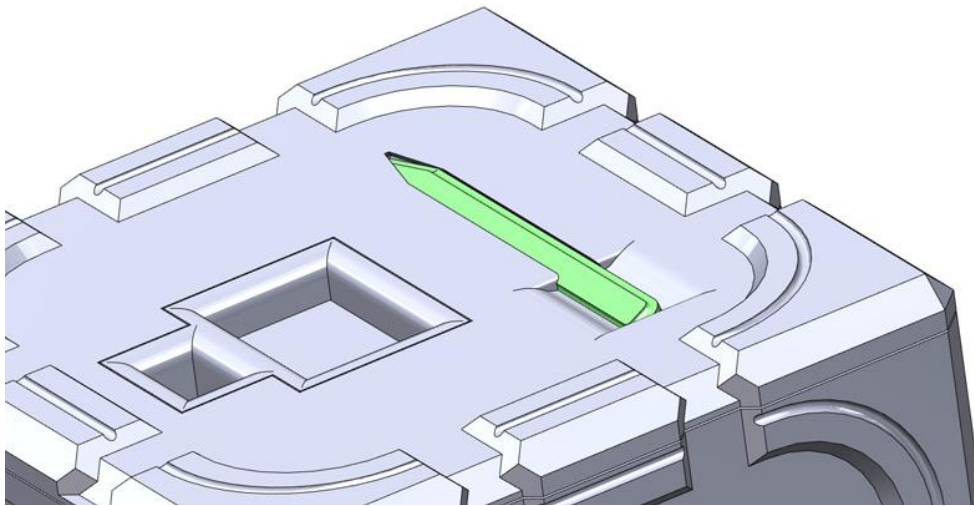
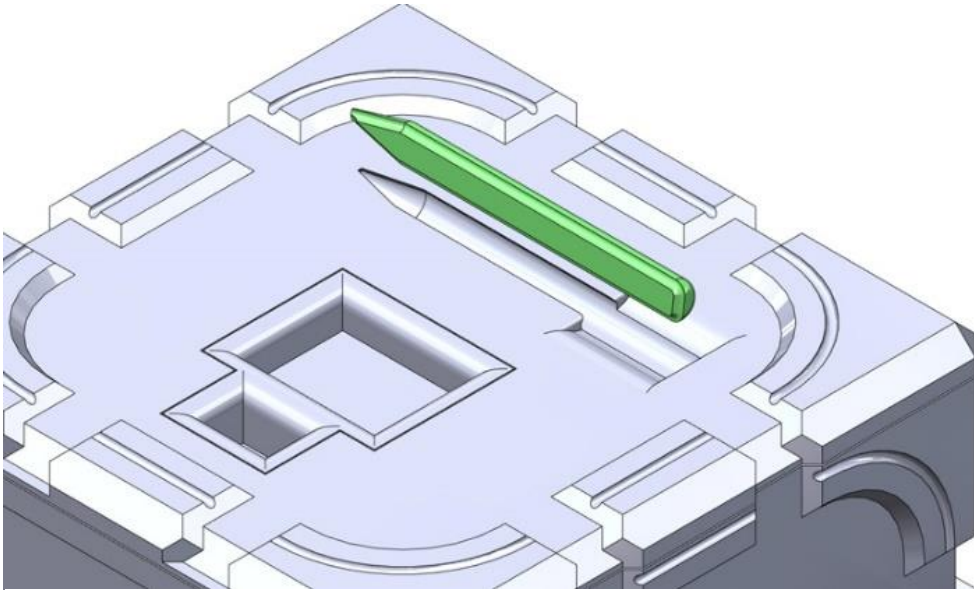
Step 9. Slide the top face of the dice.



Step 10. Push the display and switch protector in the holes of the top face.

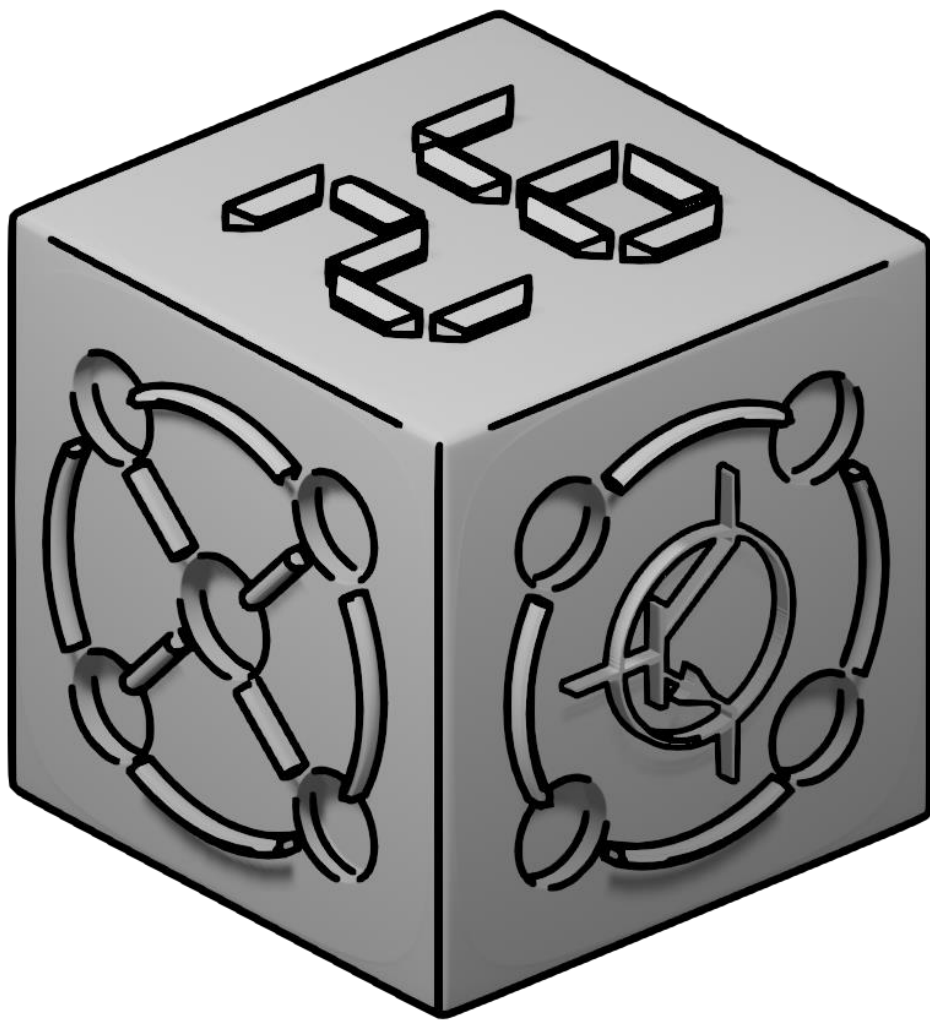


Step 11. Put the pen inside its bracket and rotate it until it fits.



Done!





@dabecart, 2024