

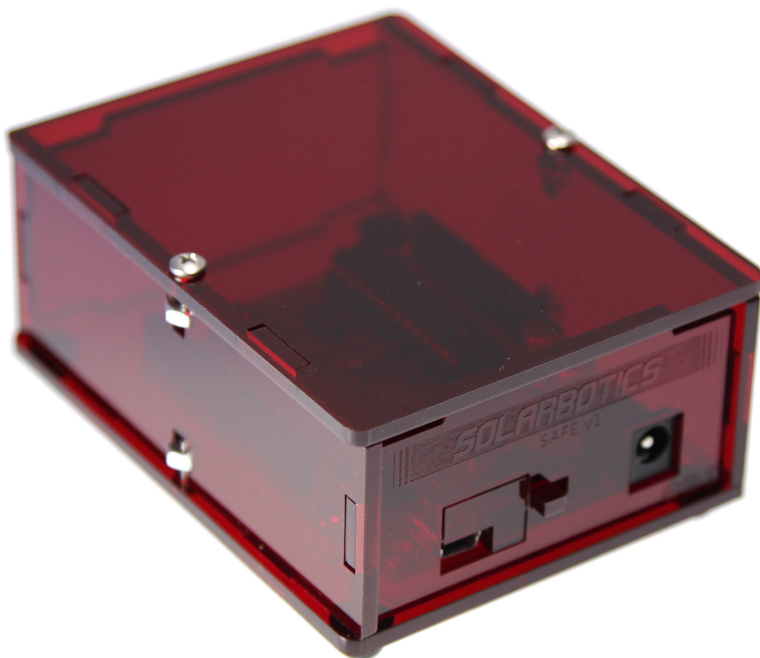
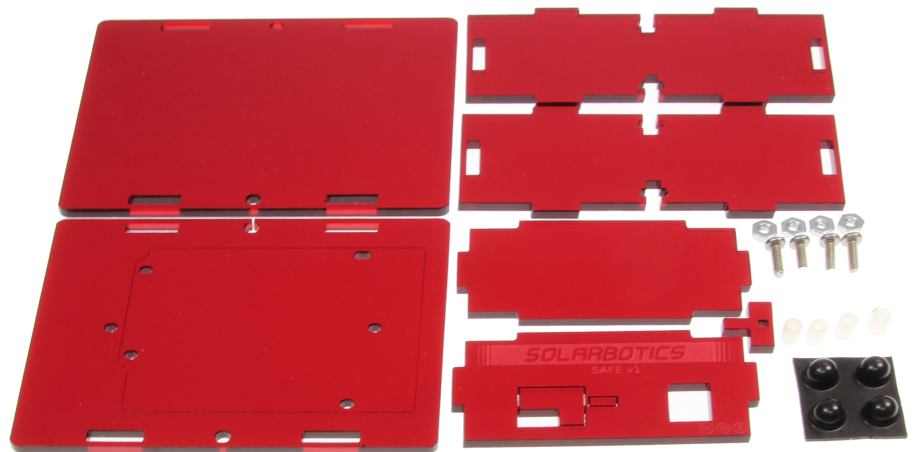
# The Solarbotics Arduino/ Freeduino Enclosure

Clever eh? Took us much less time to come up with the name than the design time to get this *juuust* right. Feel free to cut your own S.A.F.E. with this design file!

SKU: 60100 <http://www.solarbotics.com/product/60100>

## Parts required:

- 3mm Acrylic
- 8 x #4-40 x 3/8 bolts
- 4 x #4-40 Hex Nuts
- 4 x #4 Nylon spacers
- 4 x Little Rubber Feet (aka: LRF)



## For easy assembly, follow these steps:

- 1) Place the spacers on the Baseplate then screw the Arduino / Freeduino to it with 4 of the #4-40 bolts. The Screw mount directly to the acrylic without the use of #4-40 nuts.
- 2) Put the power switch tab on the power switch (Freeduino only).
- 3) Slide the nuts into the T-Slots, and screw down the sides, and then the top.

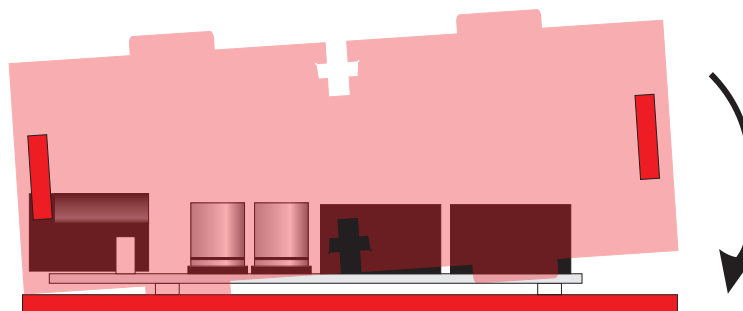
**Note:** If it's hard to insert the nuts, try putting them in from the *other side*. Lasering makes

one side a bit more open than the other.

- 4) Nest together the 4 pieces that make up the walls of the enclosure (*not* on the baseplate). Make sure the faceplate is right-side-up & out.
- 5) While tilting the 4-piece assembly, slip the faceplate onto the Arduino/Freeduino & power switch, and then rotate the assembly down flat into the slots on the baseplate. The just thread the remaining screws into the nuts and now the enclosure is finished....well not quite...put a lid on it! No, we're not being rude, just screw down the top plate on the SAFE and it is now





Assemble the 4 walls, and install the set by slipping the faceplate over the USB jack and power switch *first*.



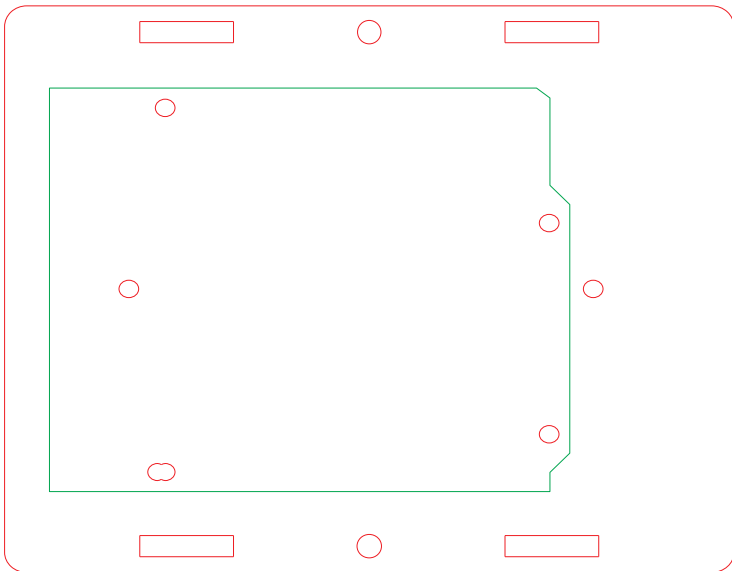
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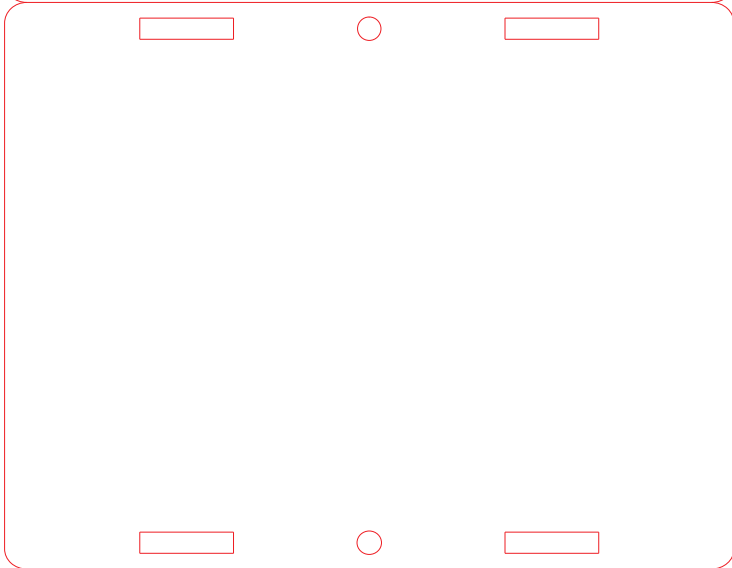
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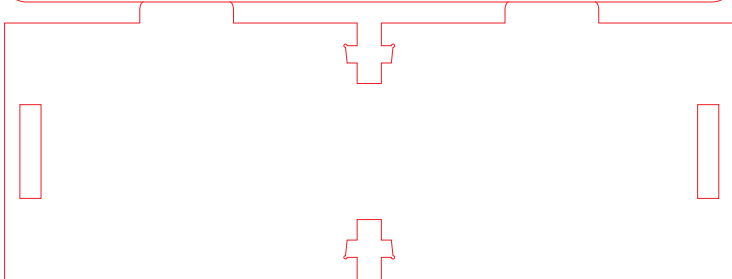
 Made in Canada



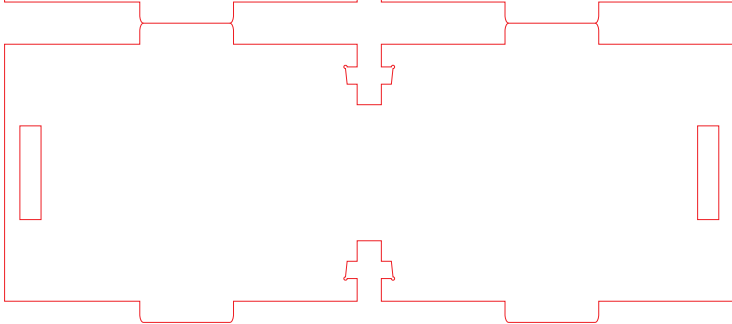
Baseplate with  
Arduino outline



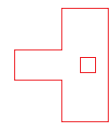
Standard top plate



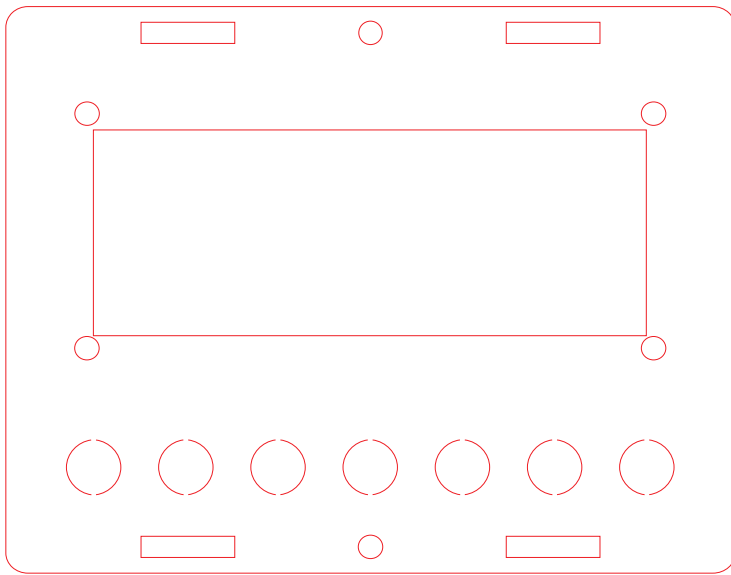
Side plate



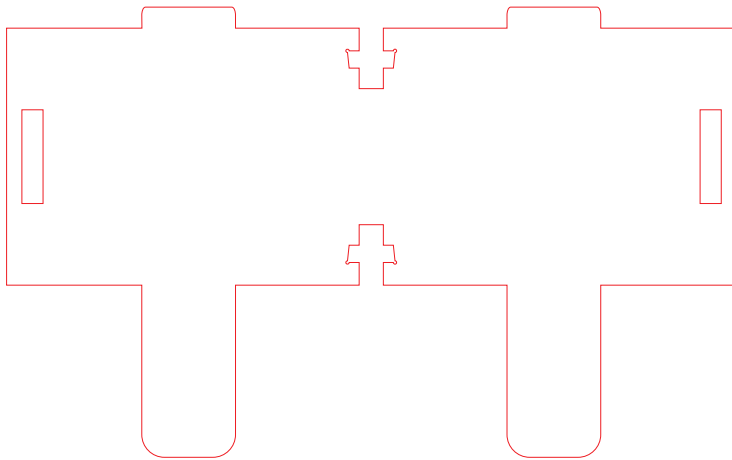
Side plate



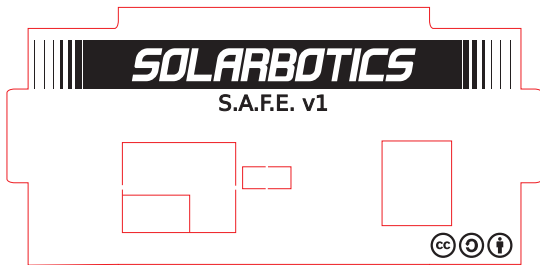
Freeduino  
power switch



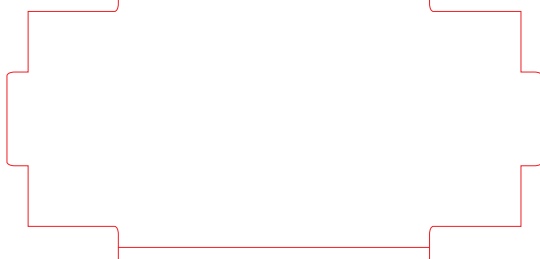
LCD Top plate  
with panel mount button cutouts



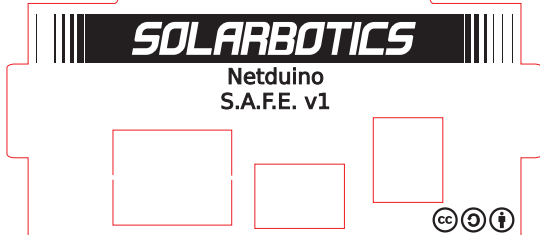
“Tall” side plate so  
you can nest a 5-cell  
AA battery pack underneath



Standard front faceplate  
with Arduino / Freeduino  
knock-outs



Back plate. The cutouts on  
the corners are wire passageways



Netduino Plus faceplate  
(doesn't fit standard Netduino)