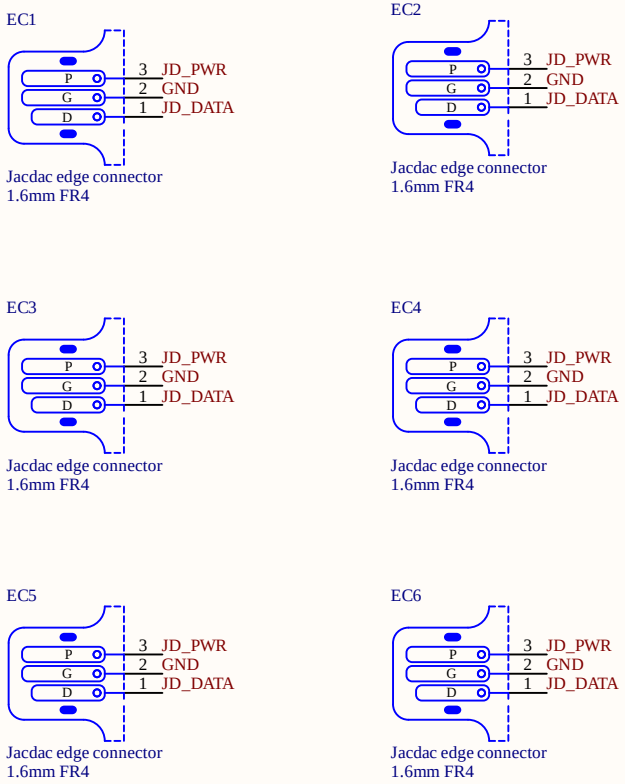
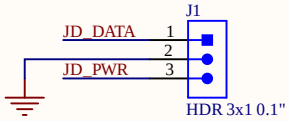
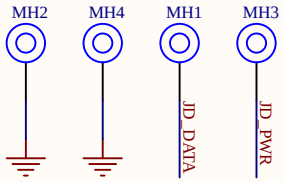
Jacdac connectors



Test & develeopment header



Mounting holes



Mounting holes are electrically connected to the Jacdac bus nets so they can be used as an alternative to the PCB edge connector. Please use the following reference designators and net mapping:

MH1: JD_DATA
MH2 & MH4: GND
MH3: JD_PWR

This design uses PTH mounting holes with finished diameter of 3.1mm, annular copper ring of 4.4mm diameter, resist keepout of 5.0mm & copper/component keepout of 7.0mm. The mounting holes must be on a 10mm pitch.

Mounting holes should have appropriate silkscreen marker on both sides of PCB, and MH1 should have a pin 1 marker in copper on the top side only. There is a notch in the PCB outline adjacent to MH1.

This reference design is a guideline. Please refer to the Jacdac docs online at https://aka.ms/jacdac for the definitive and most up-to-date information.

This design uses an enclosure compatible board shape.

Silkscreen should include text to identify the module type and revision, and optionally a QR code.

Silkscreen & layout notes

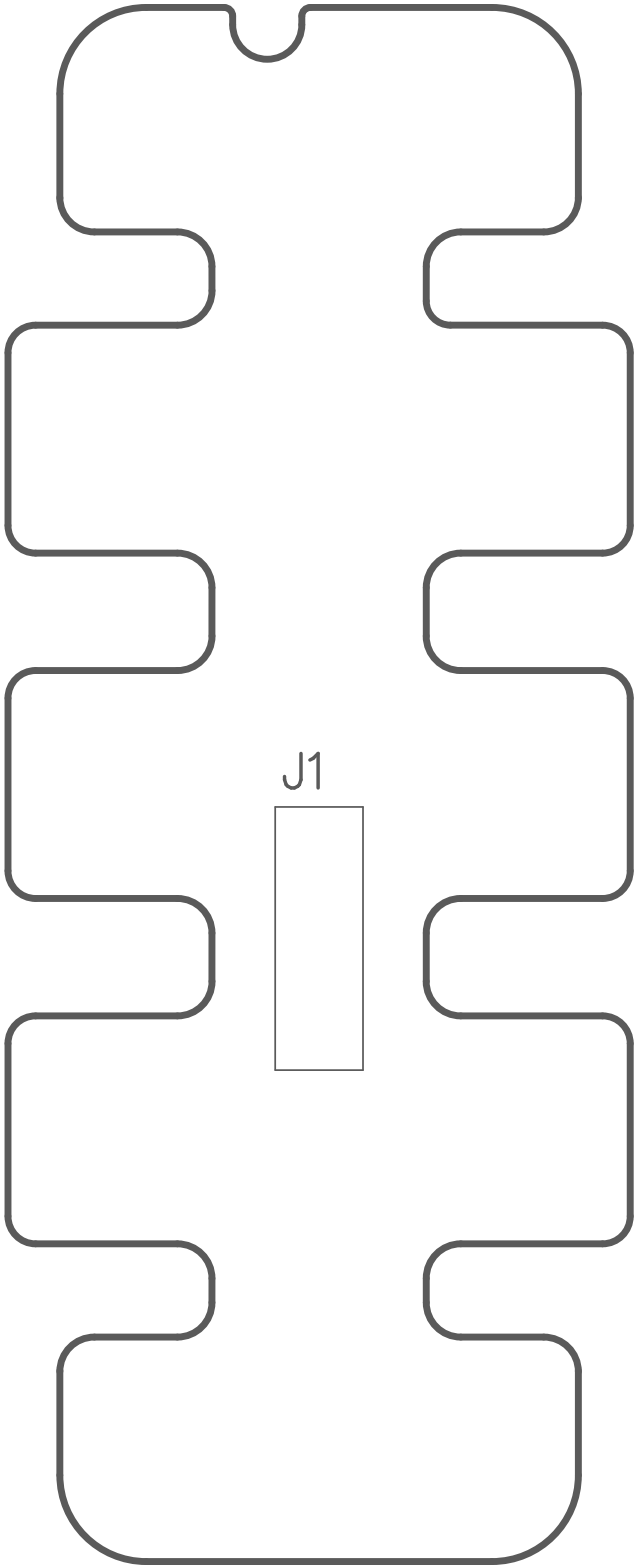
Block name

Design notes

This information is provided "as-is". You bear the risk of using it. Some information relates to pre-released specification which may change without notice. Microsoft makes no warranties, express or implied, with respect to the information provided here.

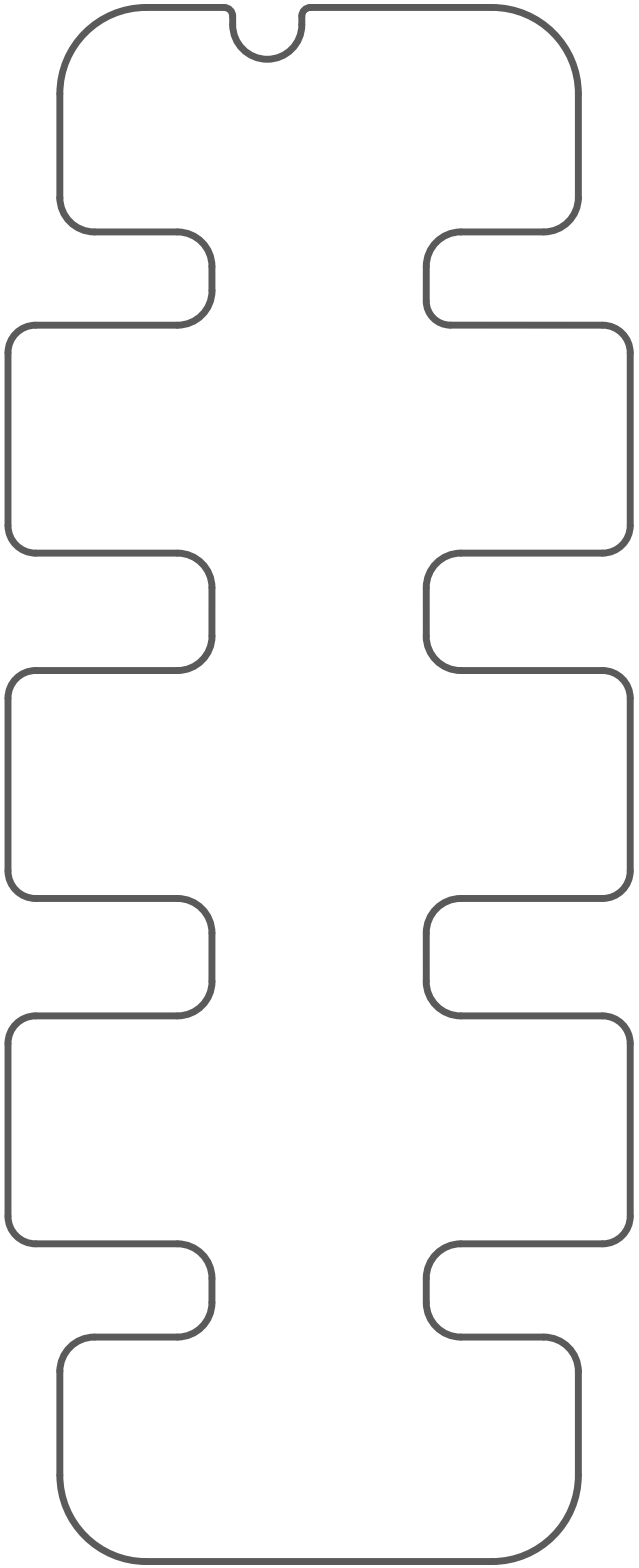
When this PDF is viewed with Adobe Reader, clicking on components shows part numbers and other details.

PROJECT FILENAME JacdacEc30Hub10x40 114.PrjPCB	PROJECT CODENAME JacdacEc30Hub10x40	Microsoft	PROJECT DESCRIPTION Jacdac "EC" compatible 6 port hub	SHEET DESCRIPTION Complete design
SHEET FILENAME JacdacEc30Hub10x40 114.SchDoc	LICENCE Attribution 4.0 International (CC BY 4.0)	LAST MODIFIED 13/06/2022	PAGE 1 OF 1 DRAWN BY S. Hodges	REVISION 1.0 PCB ID 114-1.0



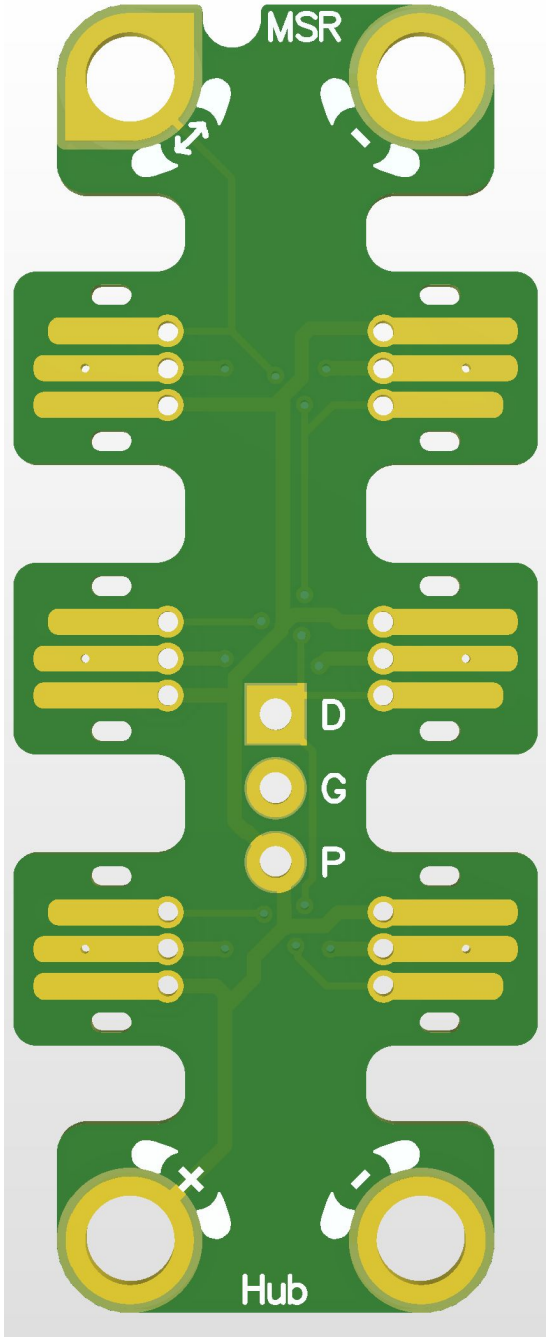
Top Assy

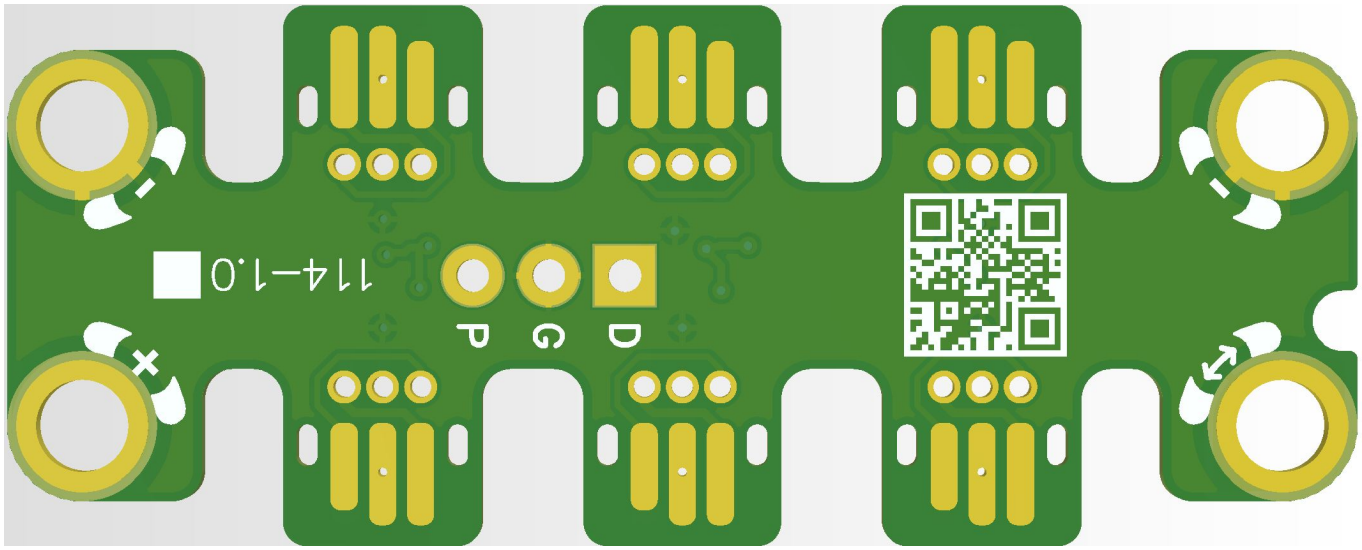
Board Outline



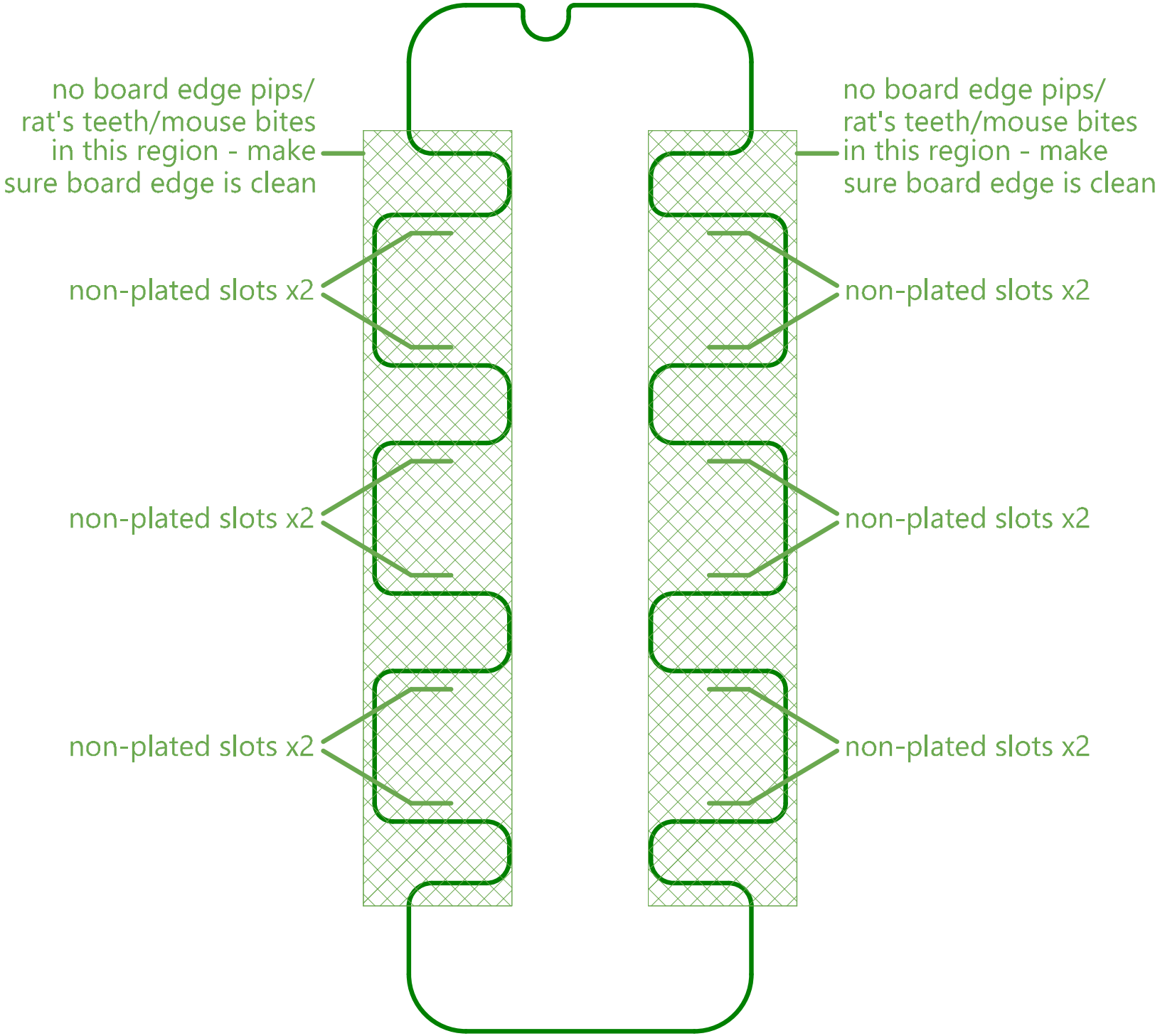
Bottom Assy

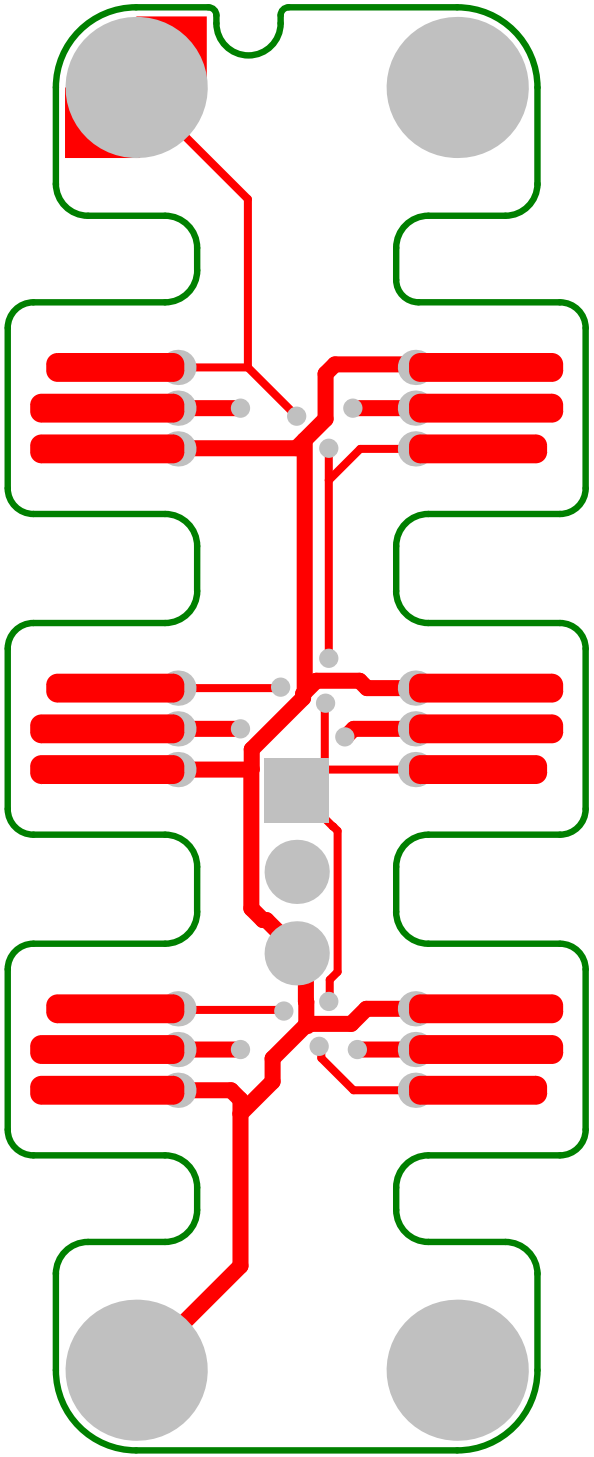
Board Outline

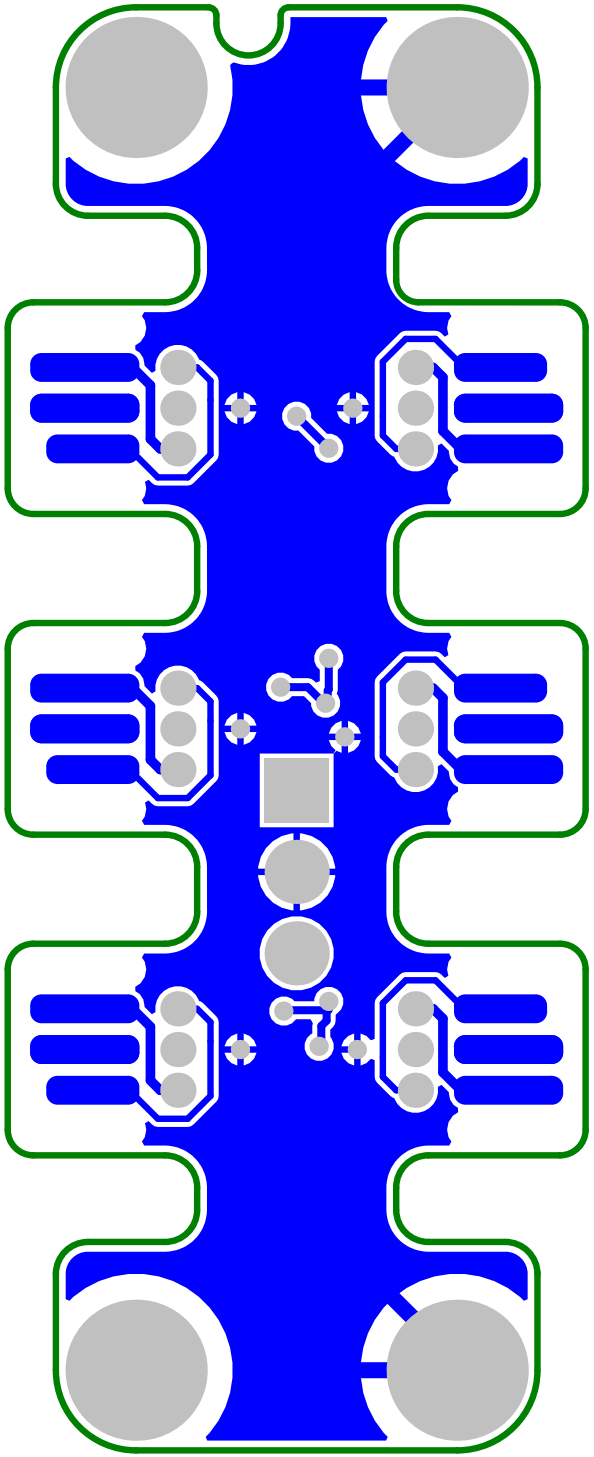

MSR
+
-
D
G
P
+
-
Hub


114-1.0
D
G
D

Fabrication Notes
Board Outline

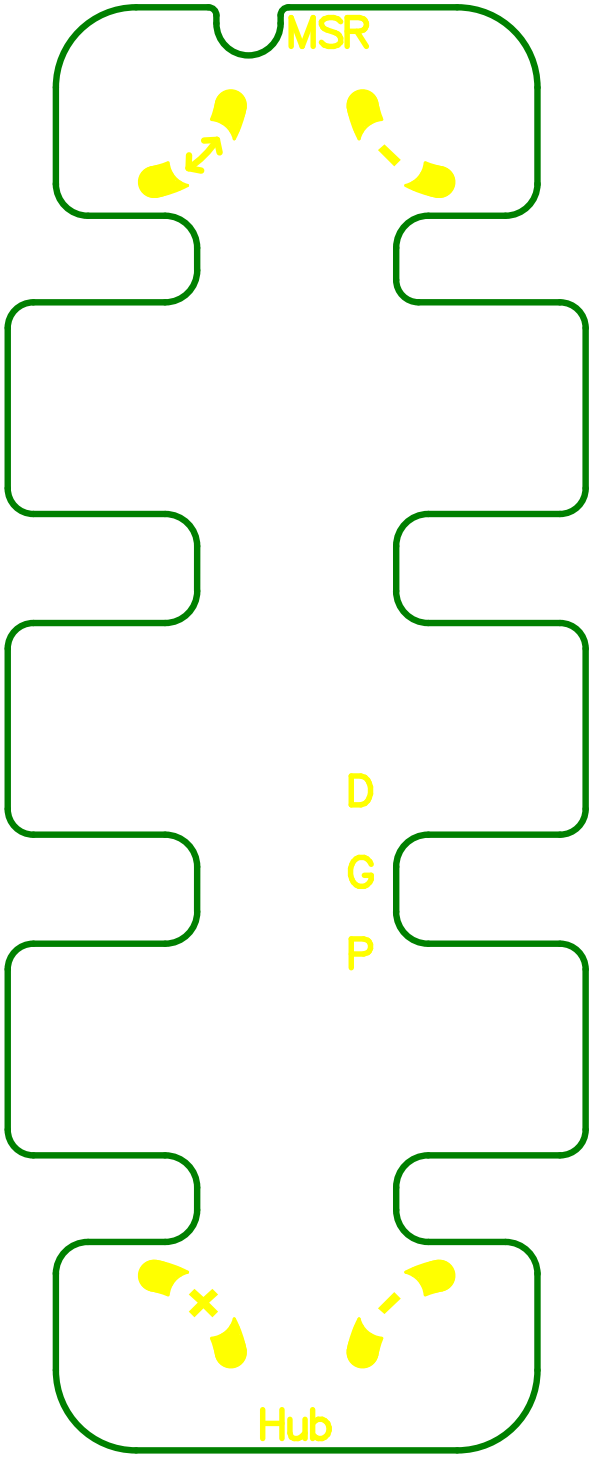



Top Layer
Board Outline

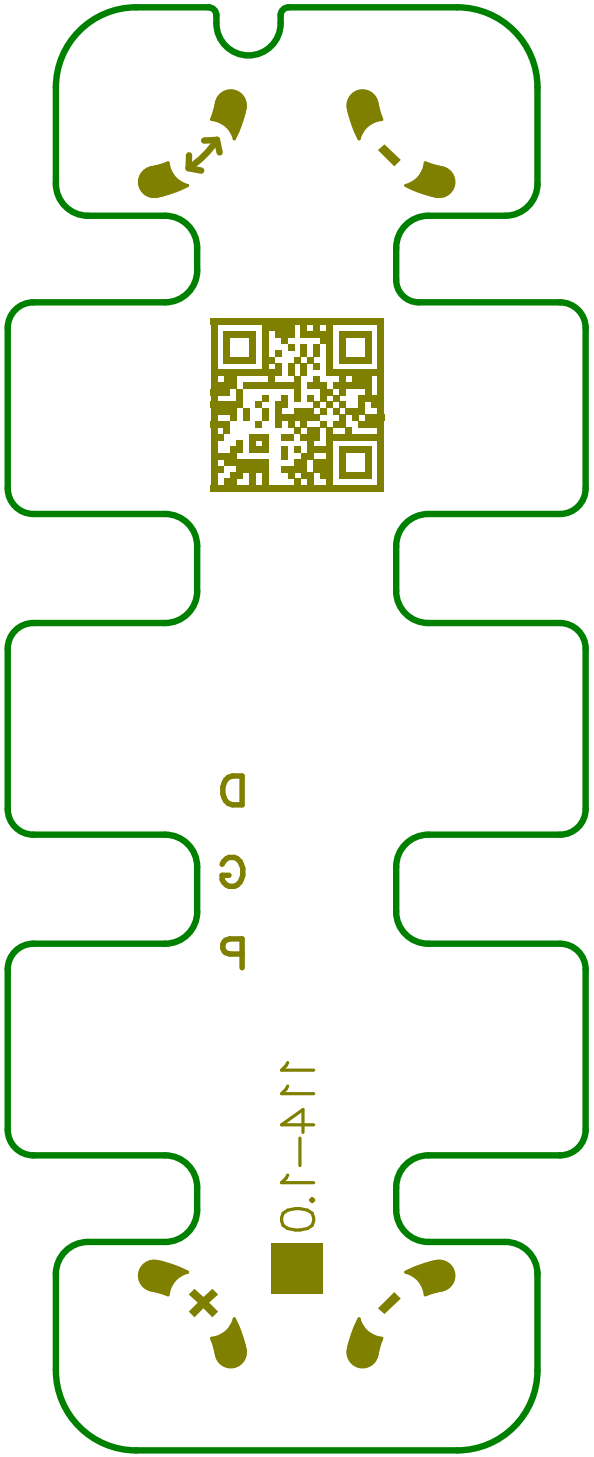


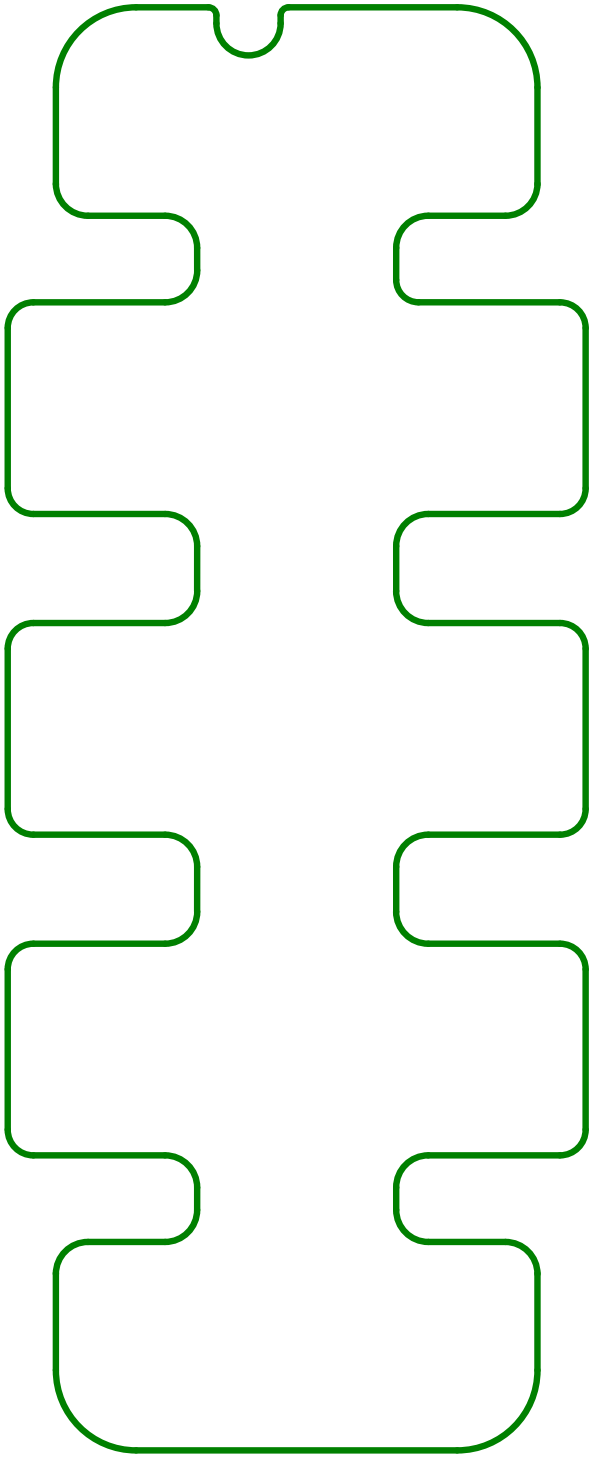
Bottom Layer

Board Outline



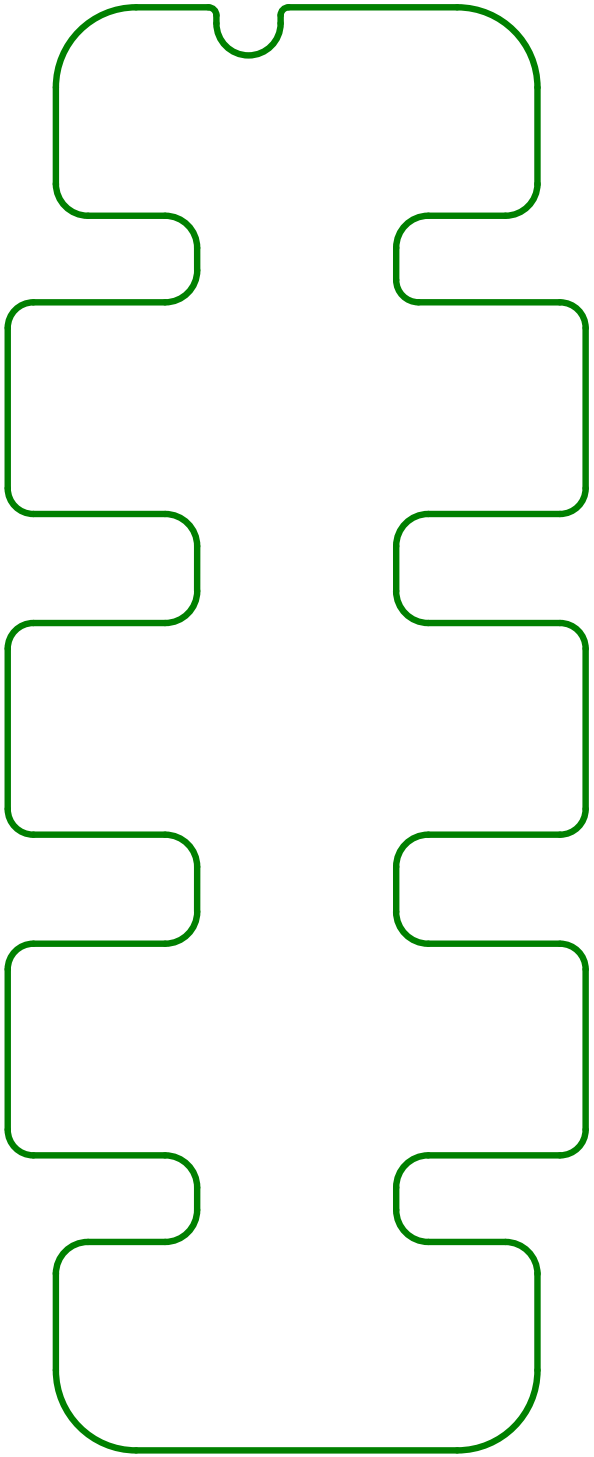
Board Outline


Bottom Overlay
Board Outline



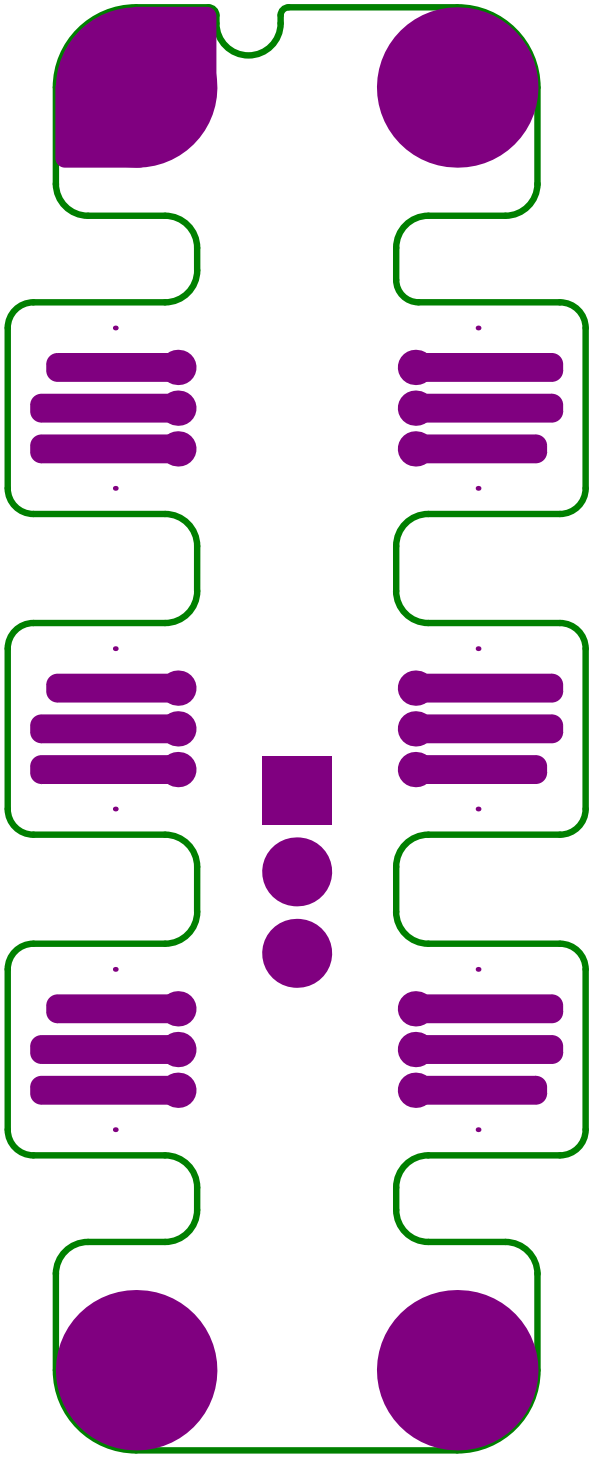
Top Paste

Board Outline



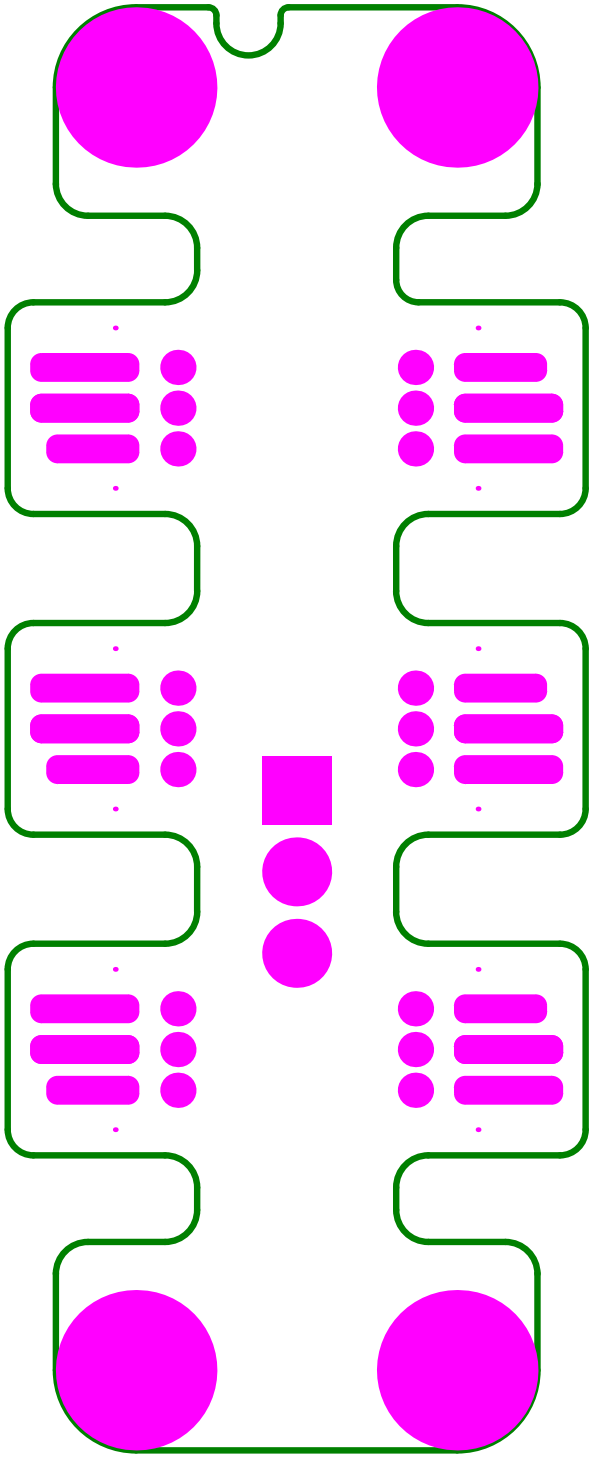
Board Outline

Bottom Paste



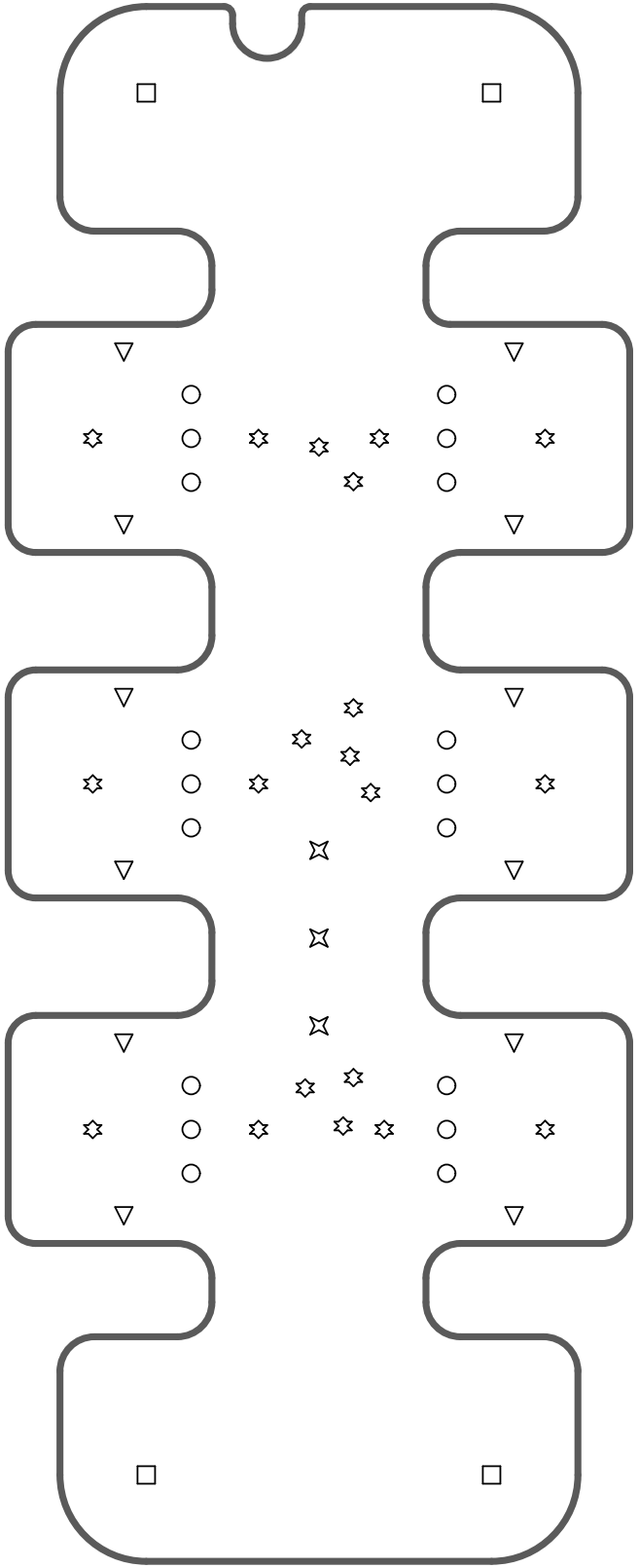
Board Outline

Top Solder (resist)



Board Outline

Bottom Solder (resist)



Board Outline

Drill Drawing