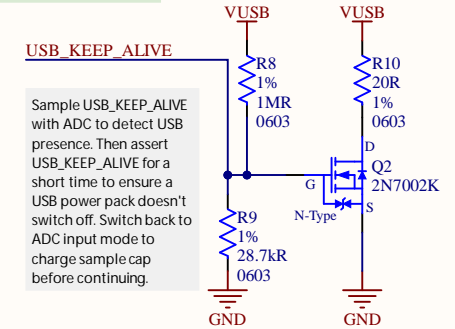
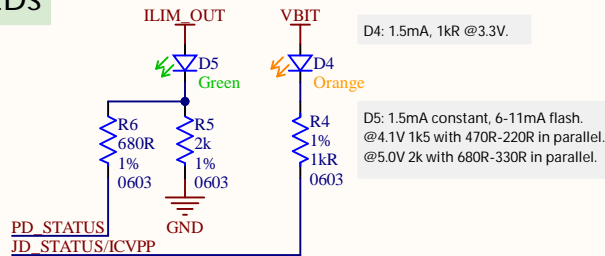


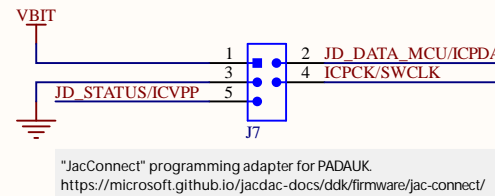
Mounting holes



Status LEDs

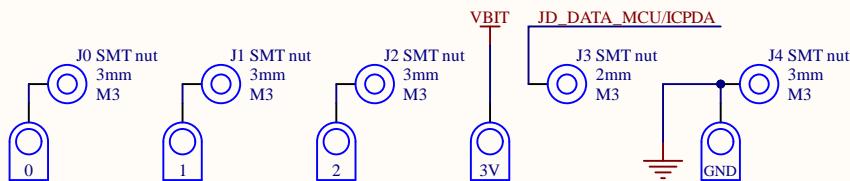


Programming header



micro:bit V2 interface

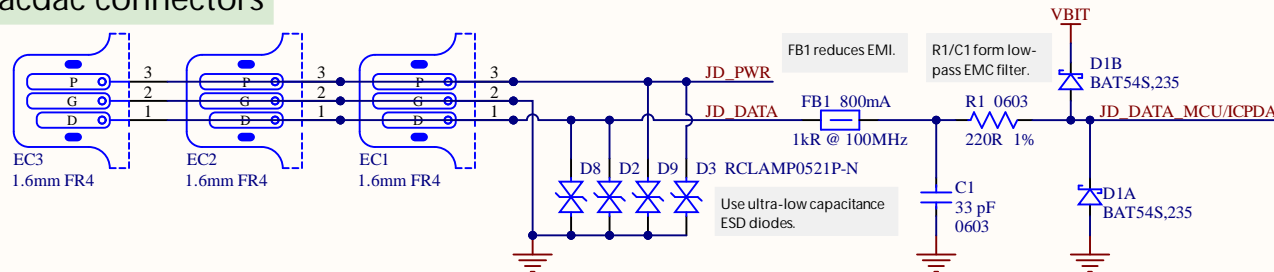
Five M3 SMT nuts for mounting the back pack to the micro:bit.
Note that J3 is 1mm shorter to avoid contact with 3V.



Pick up VUSB from micro:bit test point.



Jacdac connectors



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.

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

This design uses an EC30 board shape.

Silkscreen & layout notes

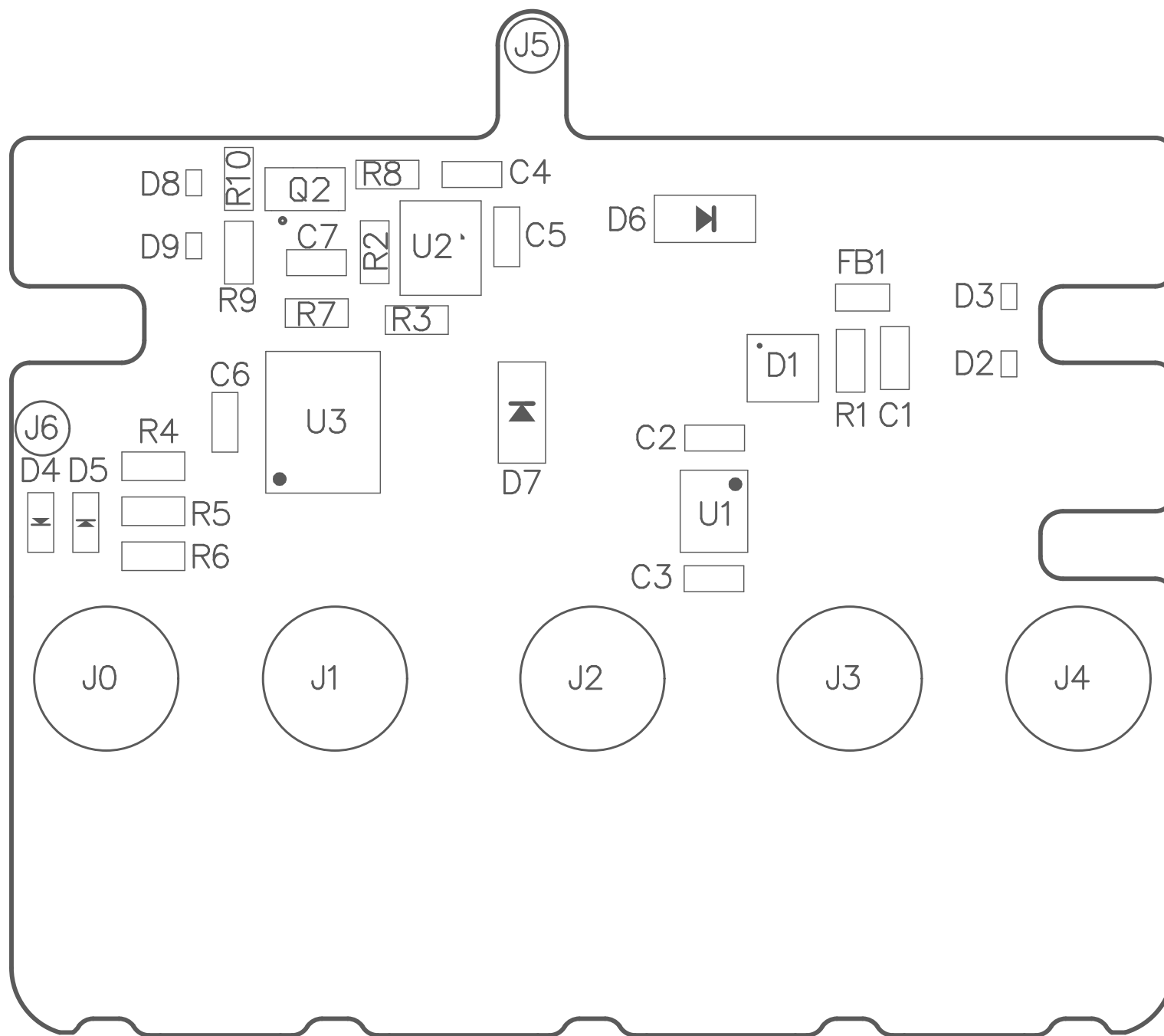
Block name

Design notes

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

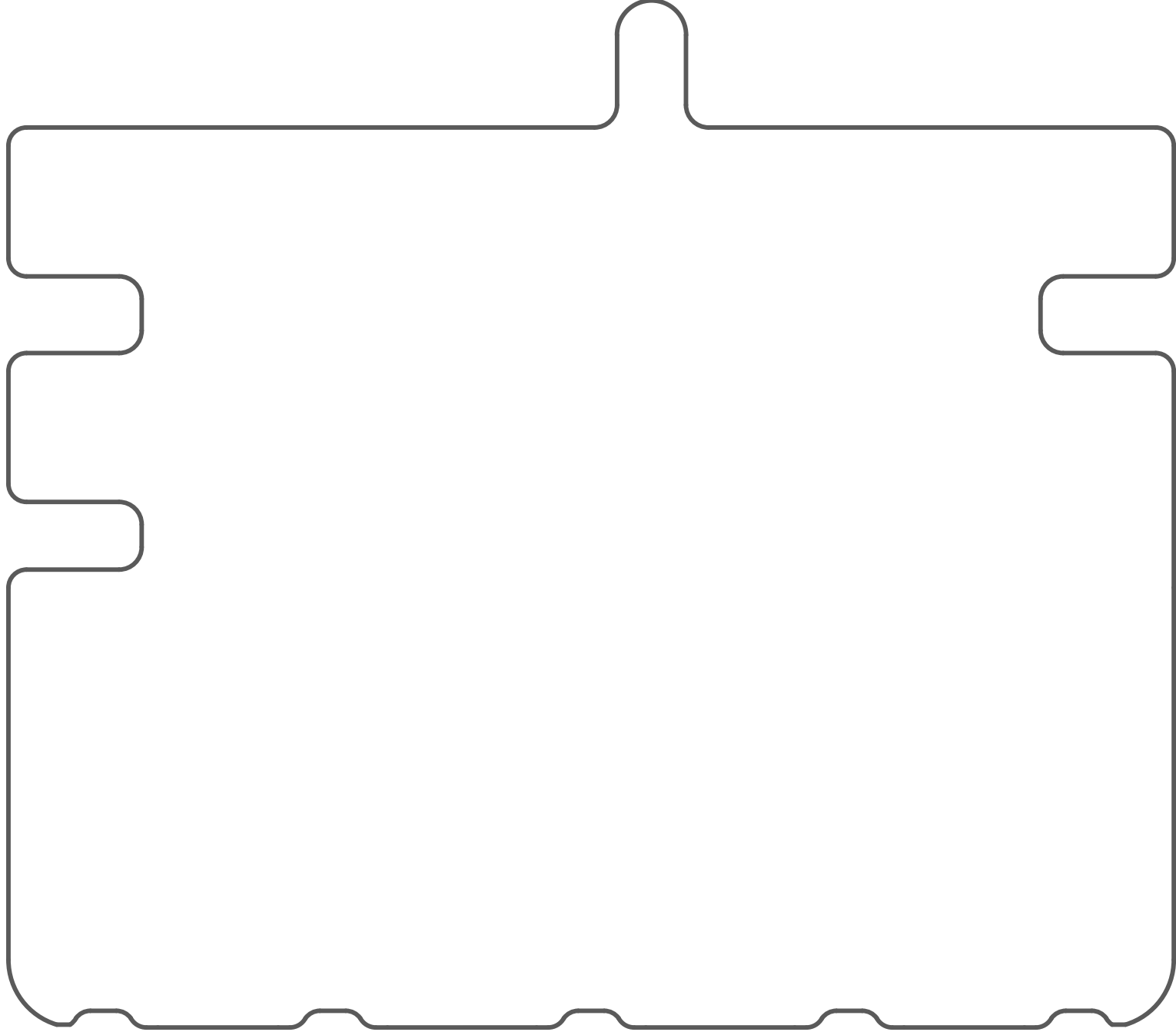
This information is provided "as-is". You bear the risk of using it. Some information relates to pre-released specification which may change without notice. Microsoft makes no warranties, express or implied, with respect to the information provided here.

PROJECT FILENAME JacdacMicroBitBackPackHi 119.PrjPCB		PROJECT CODENAME JacdacMicroBitBackPackHi	Microsoft	PROJECT DESCRIPTION High power Jacdaptor for micro:bit			SHEET DESCRIPTION Complete design	
SHEET FILENAME JacdacMicroBitBackPackHi-Alt0 119.SchDoc		LICENCE Attribution 4.0 International (CC BY 4.0)		LAST MODIFIED 02/12/2022	PAGE 1 OF 1	DRAWN BY SH	REVISION 0.1	PCB ID 119-0.1



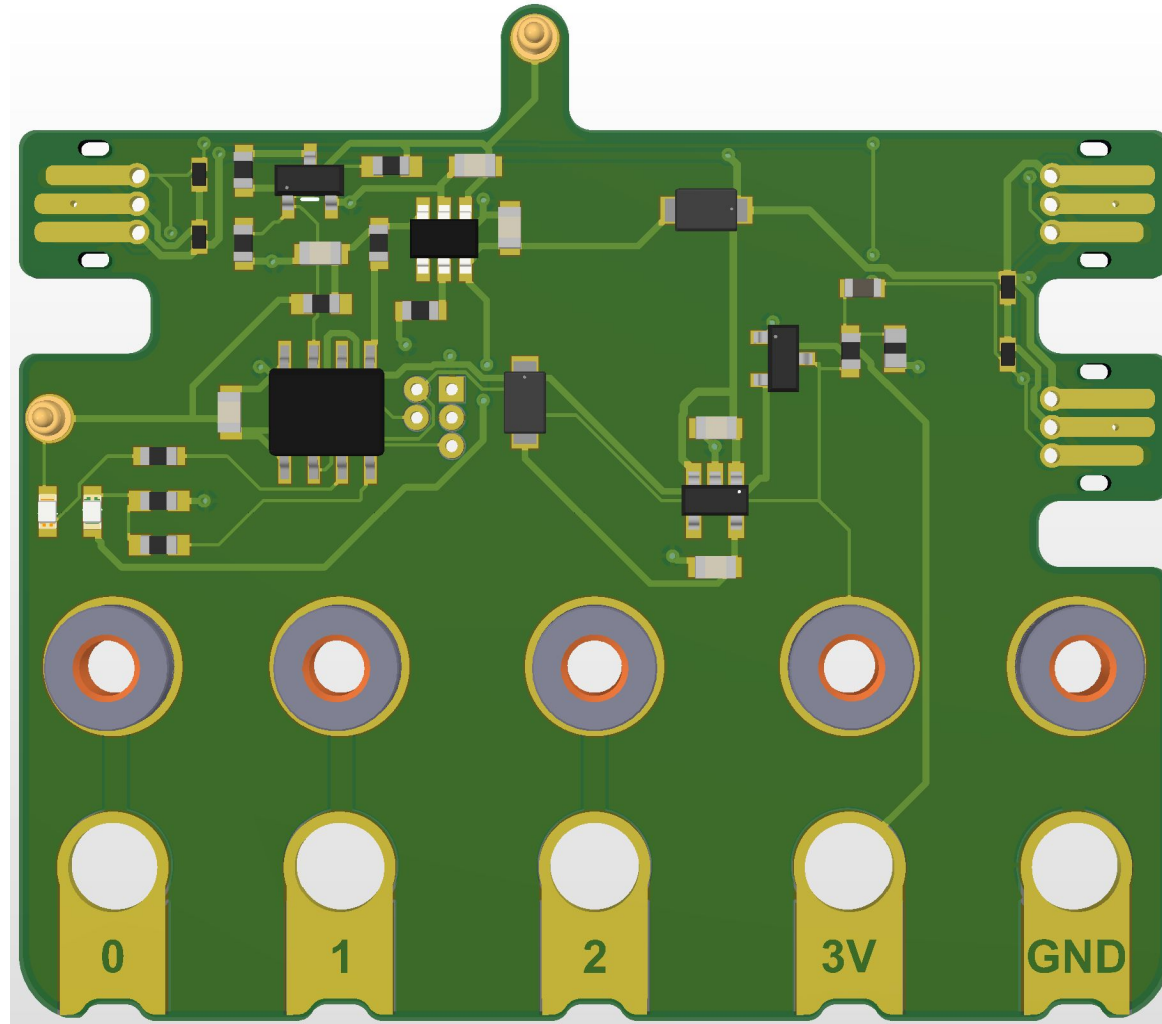
Top Assy

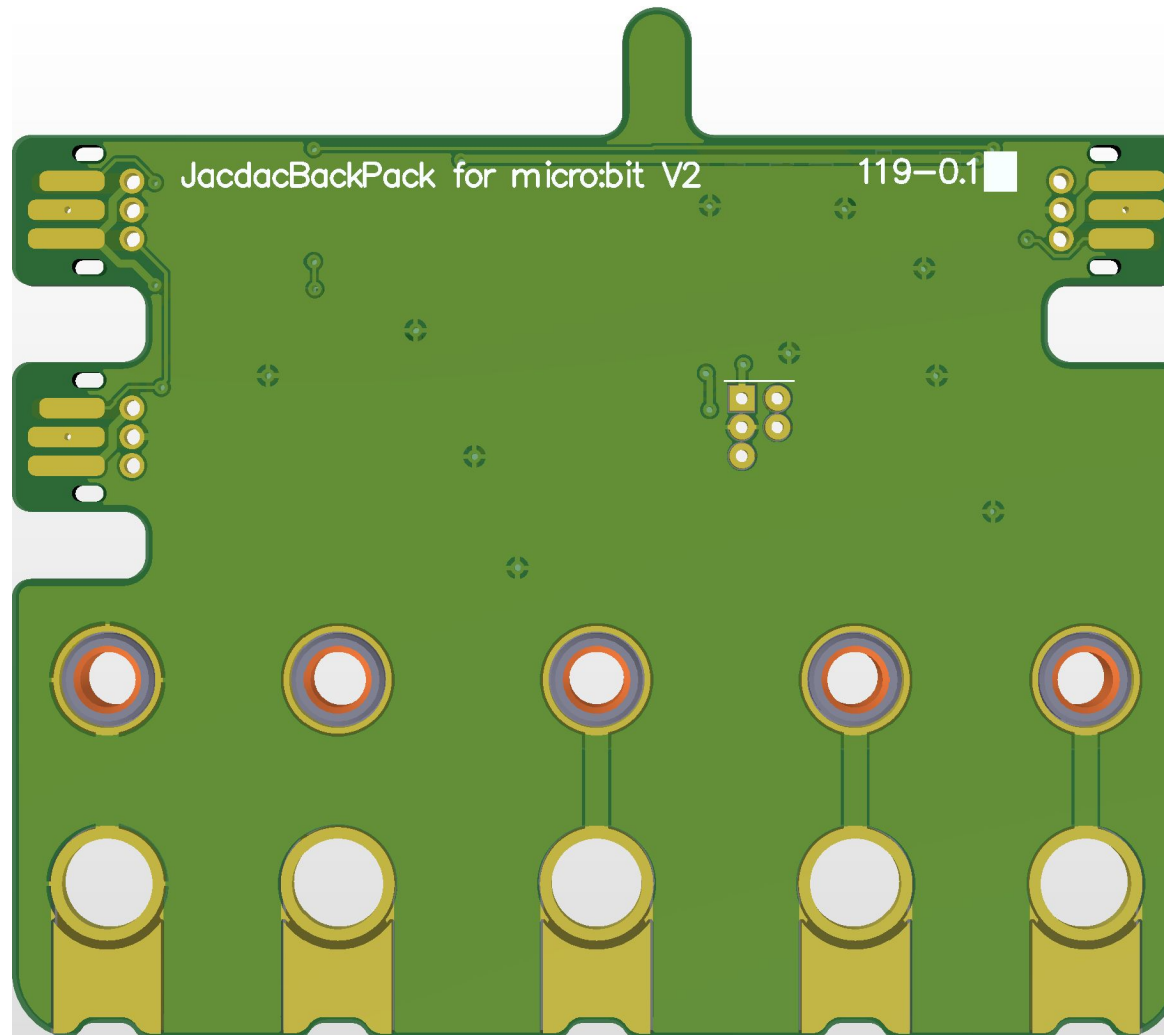
Board Outline



Bottom Assy

Board Outline





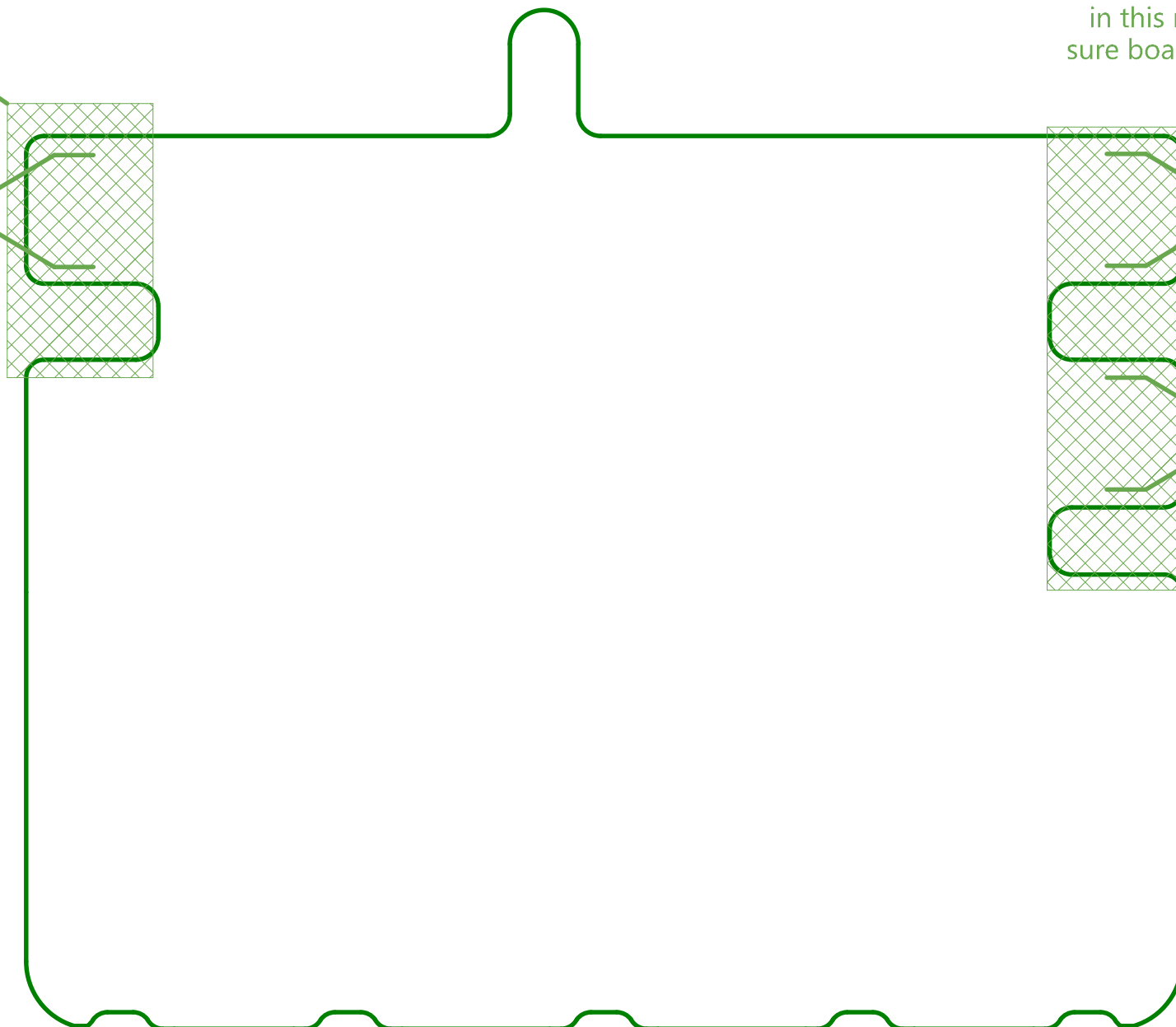
no board edge pips/
rat's teeth/mouse bites
in this region - make
sure board edge is clean

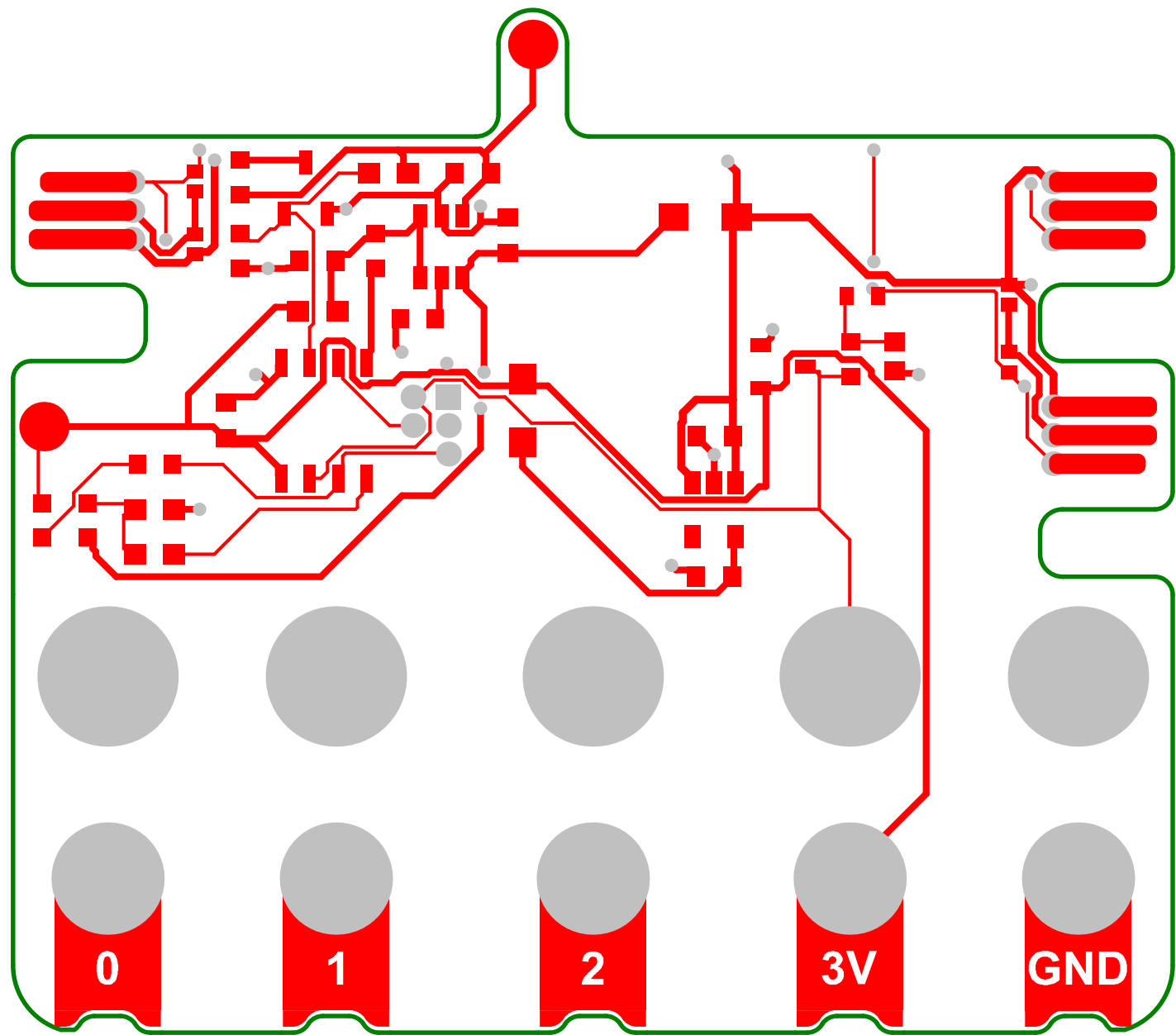
non-plated slots x2

no board edge pips/
rat's teeth/mouse bites
in this region - make
sure board edge is clean

non-plated slots x4

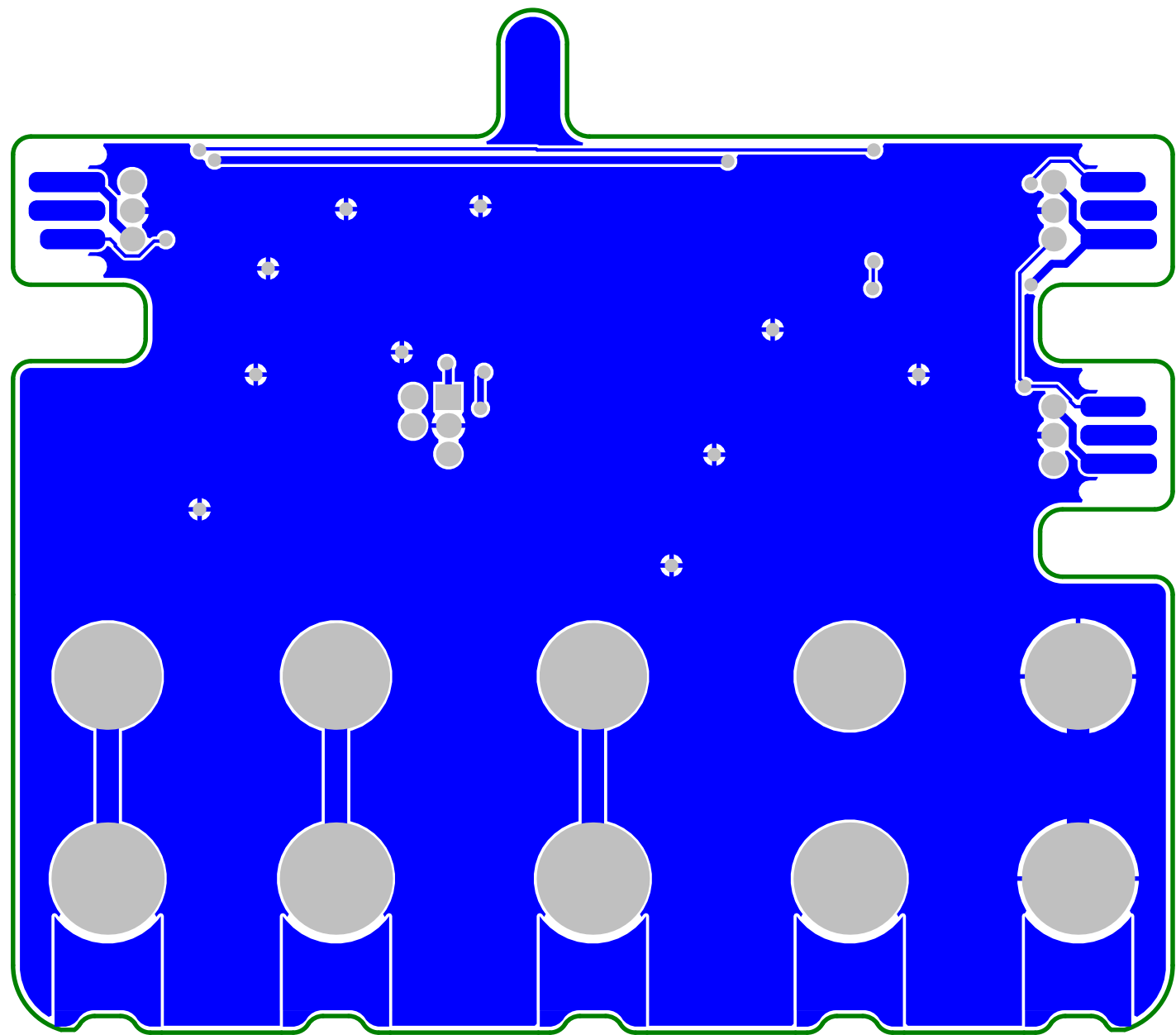
Fabrication Notes
Board Outline





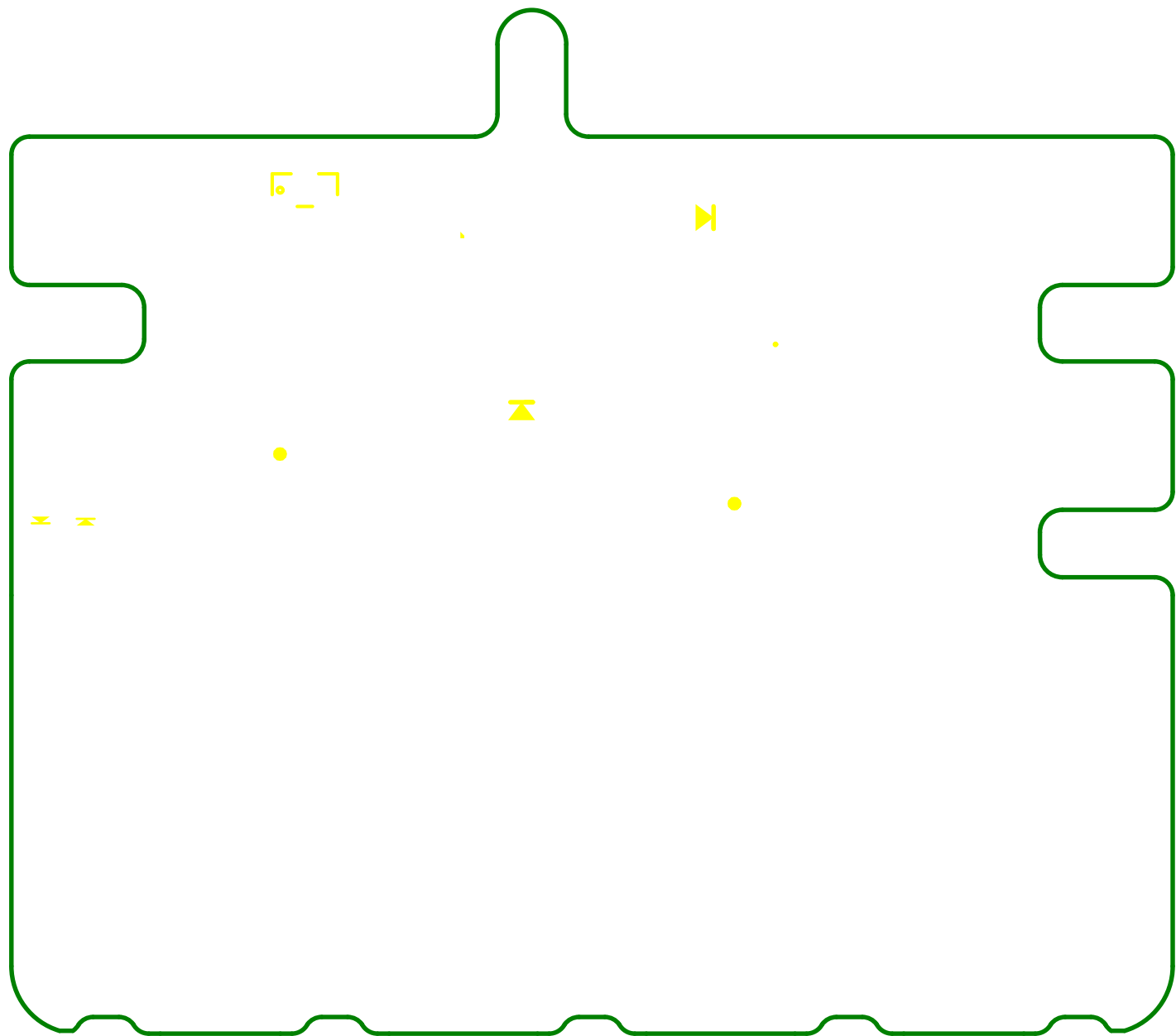
Top Layer

Board Outline



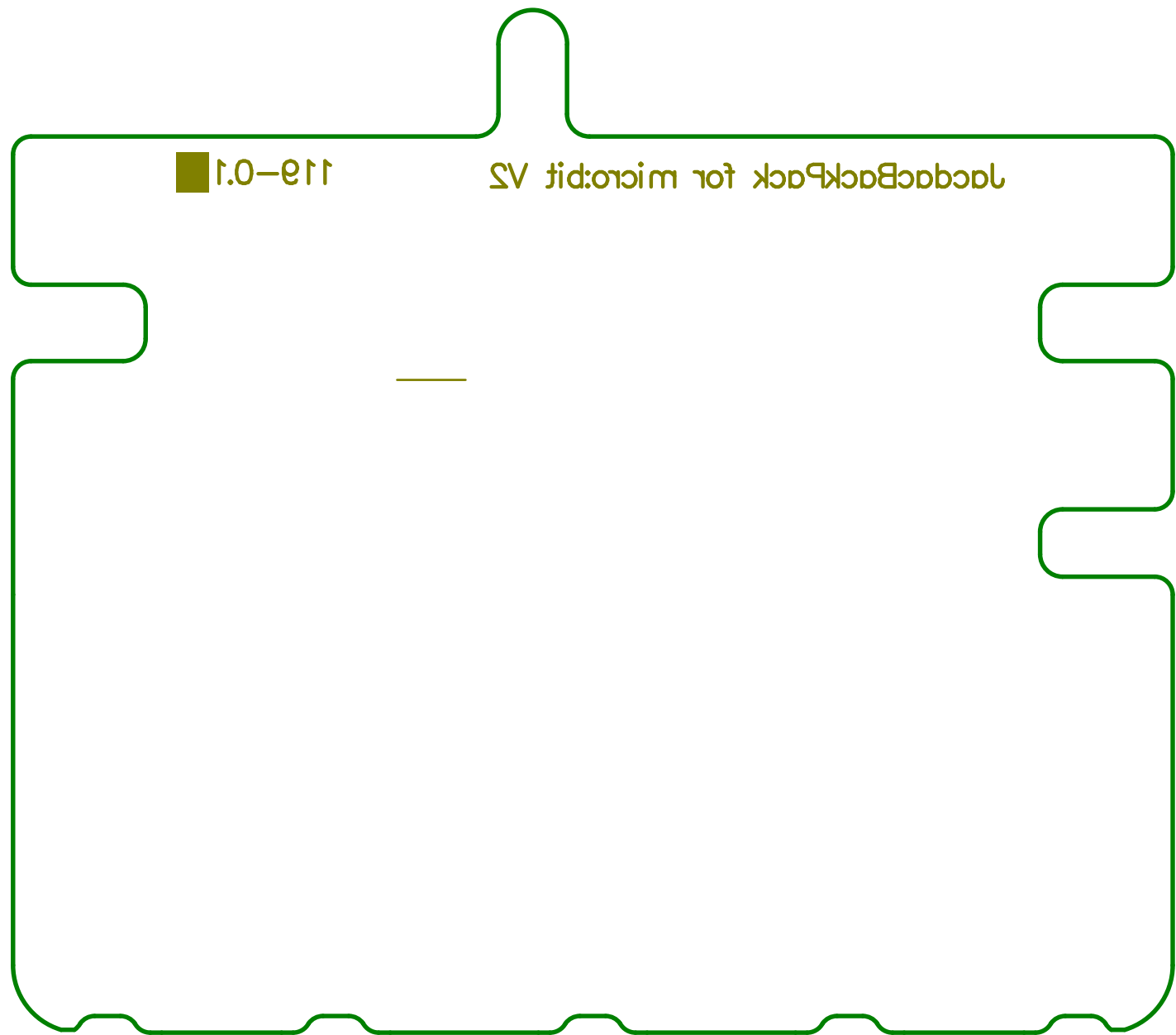
Bottom Layer

Board Outline



Board Outline

Top Overlay

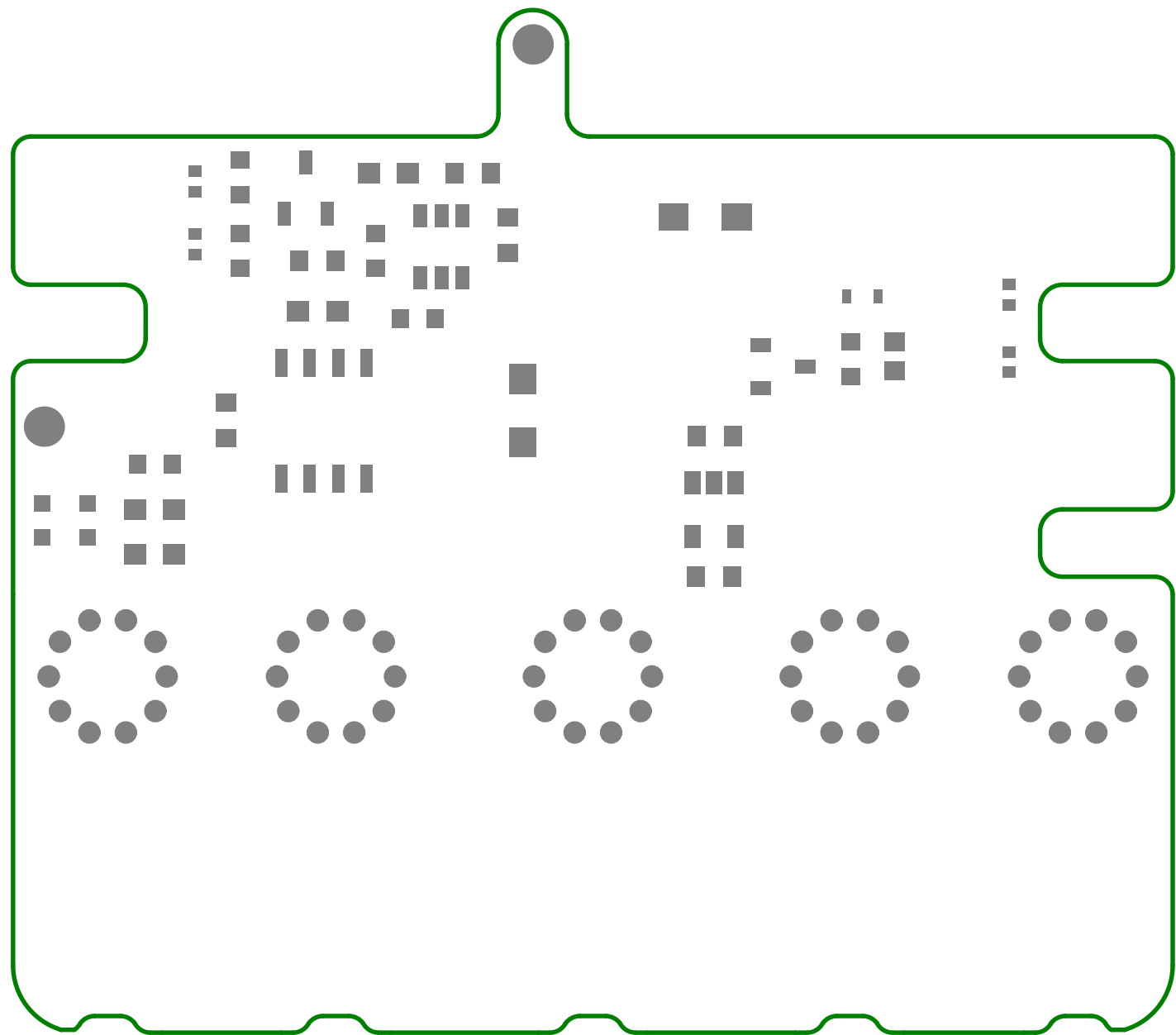


119-0.1

JackBackPack for micro:bit V2

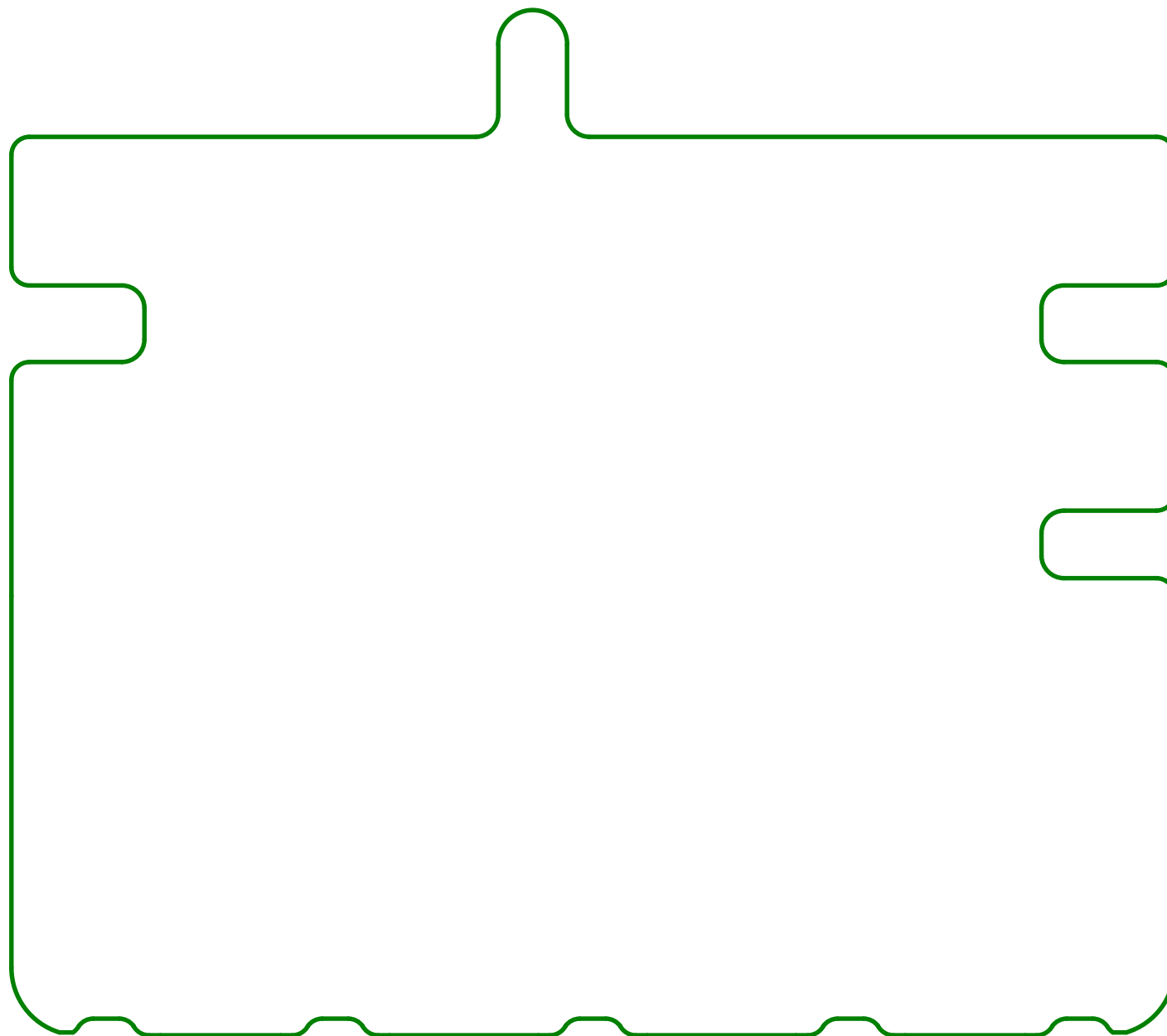
Bottom Overlay

Board Outline



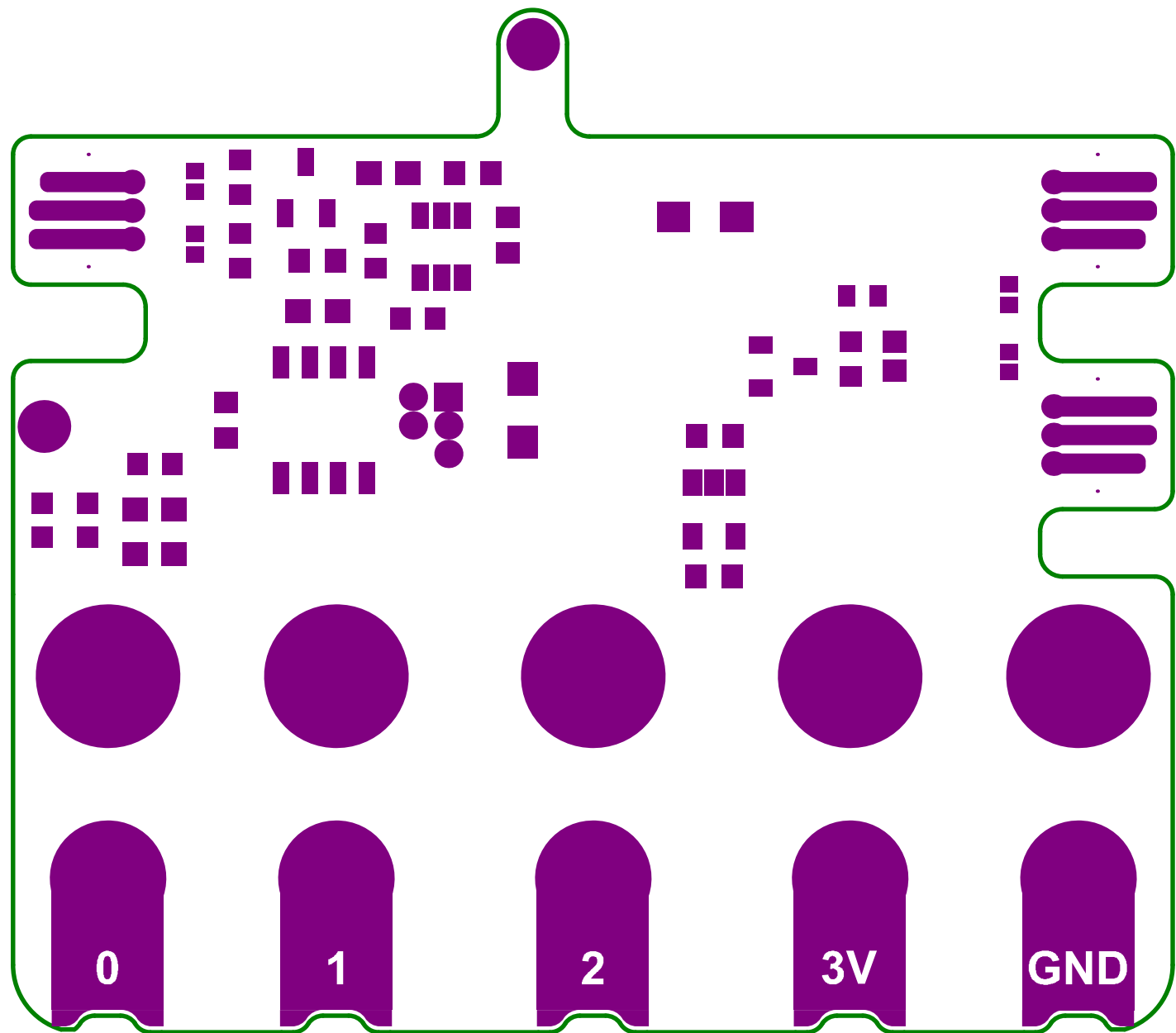
Top Paste

Board Outline



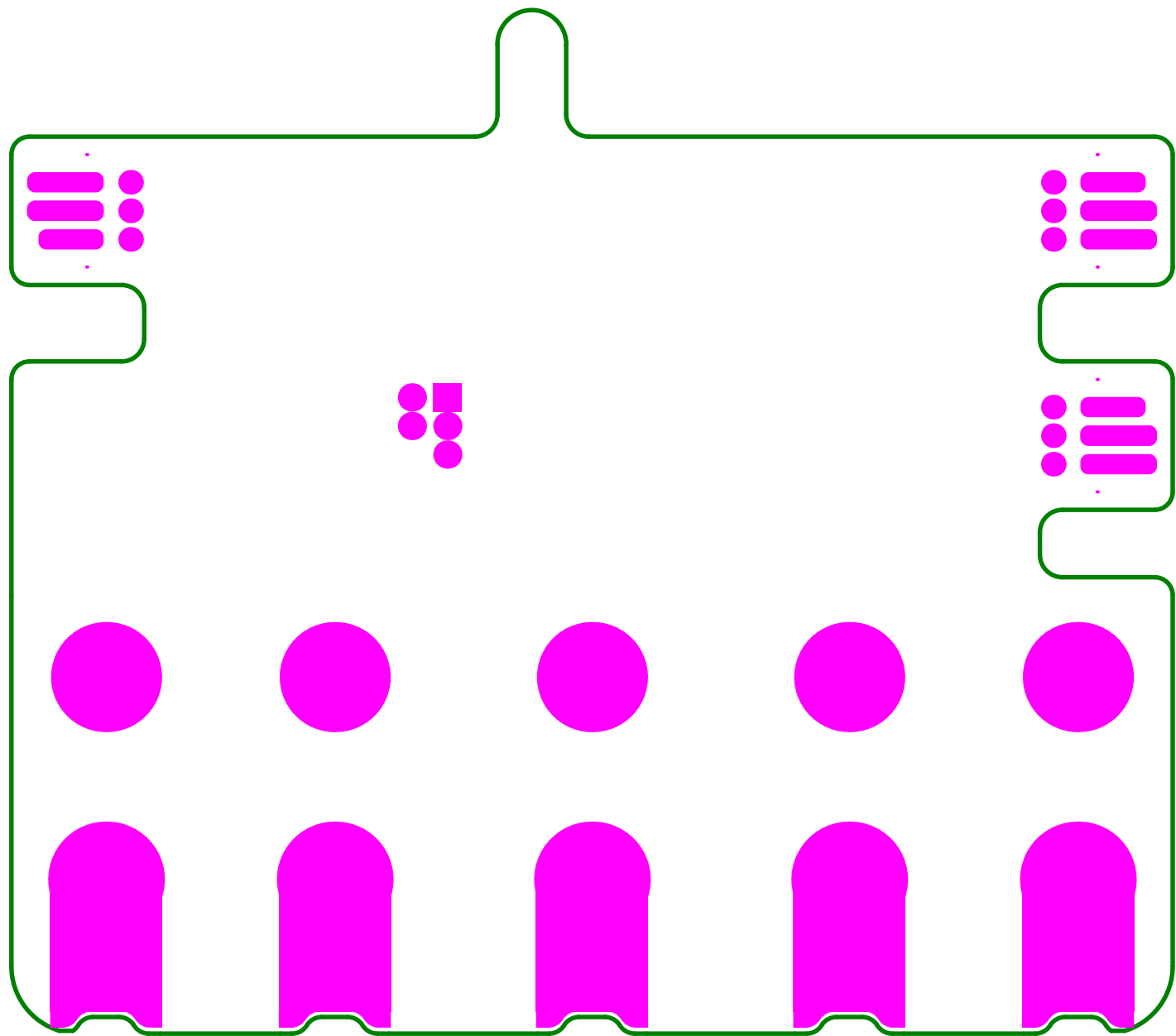
Bottom Paste

Board Outline



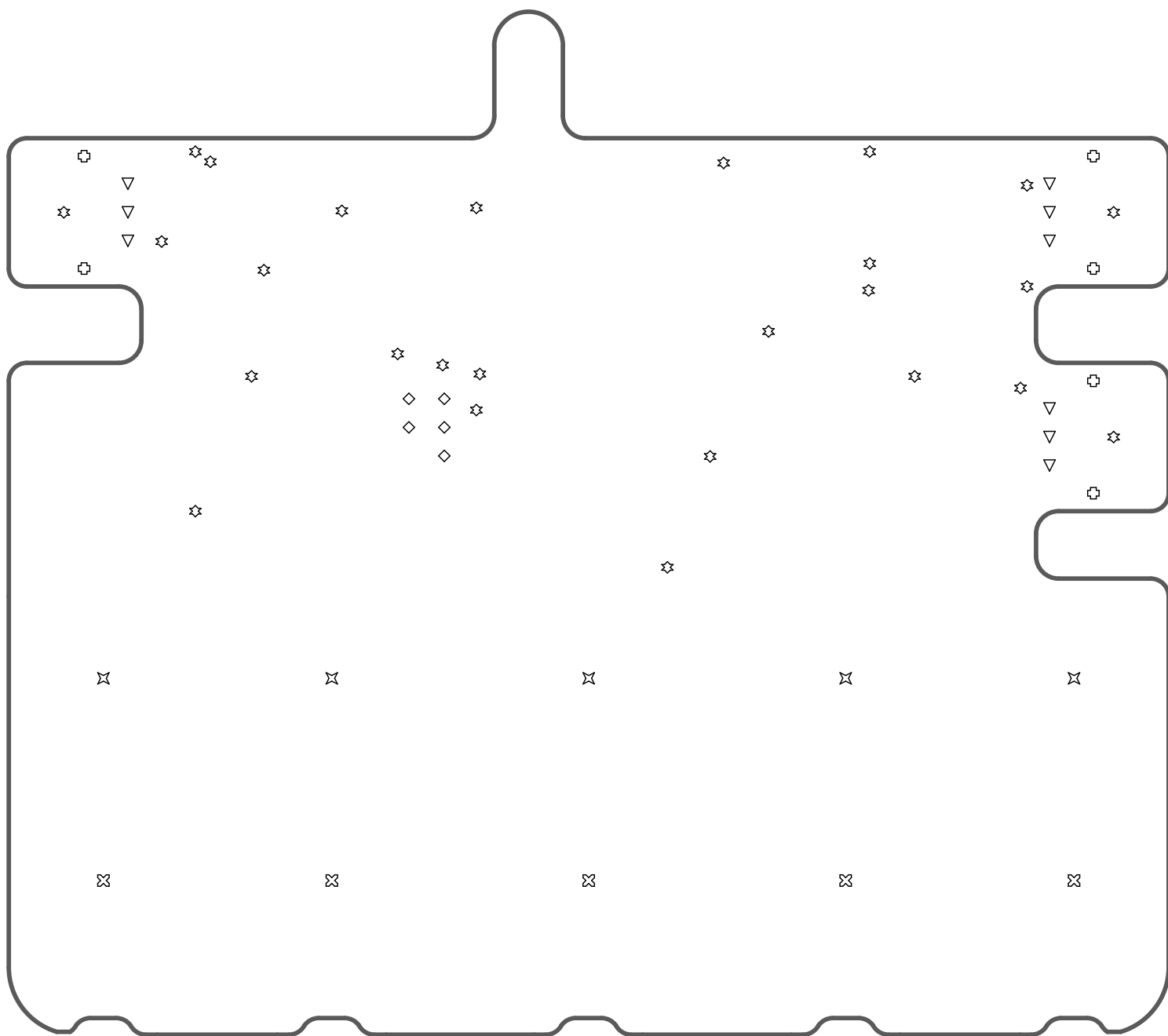
Board Outline

Top Solder (resist)



Board Outline

Bottom Solder (resist)



Board Outline

Drill Drawing