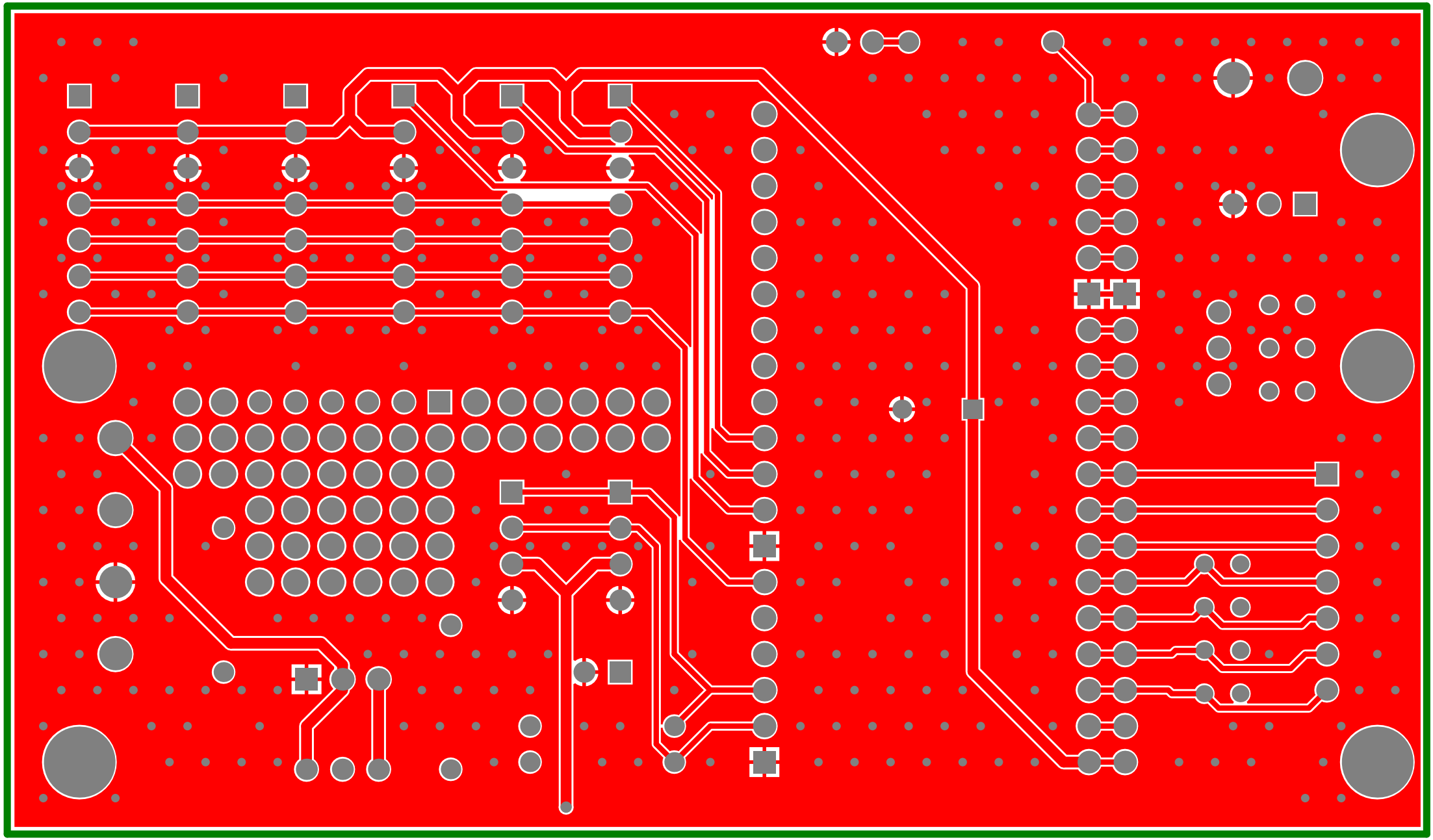
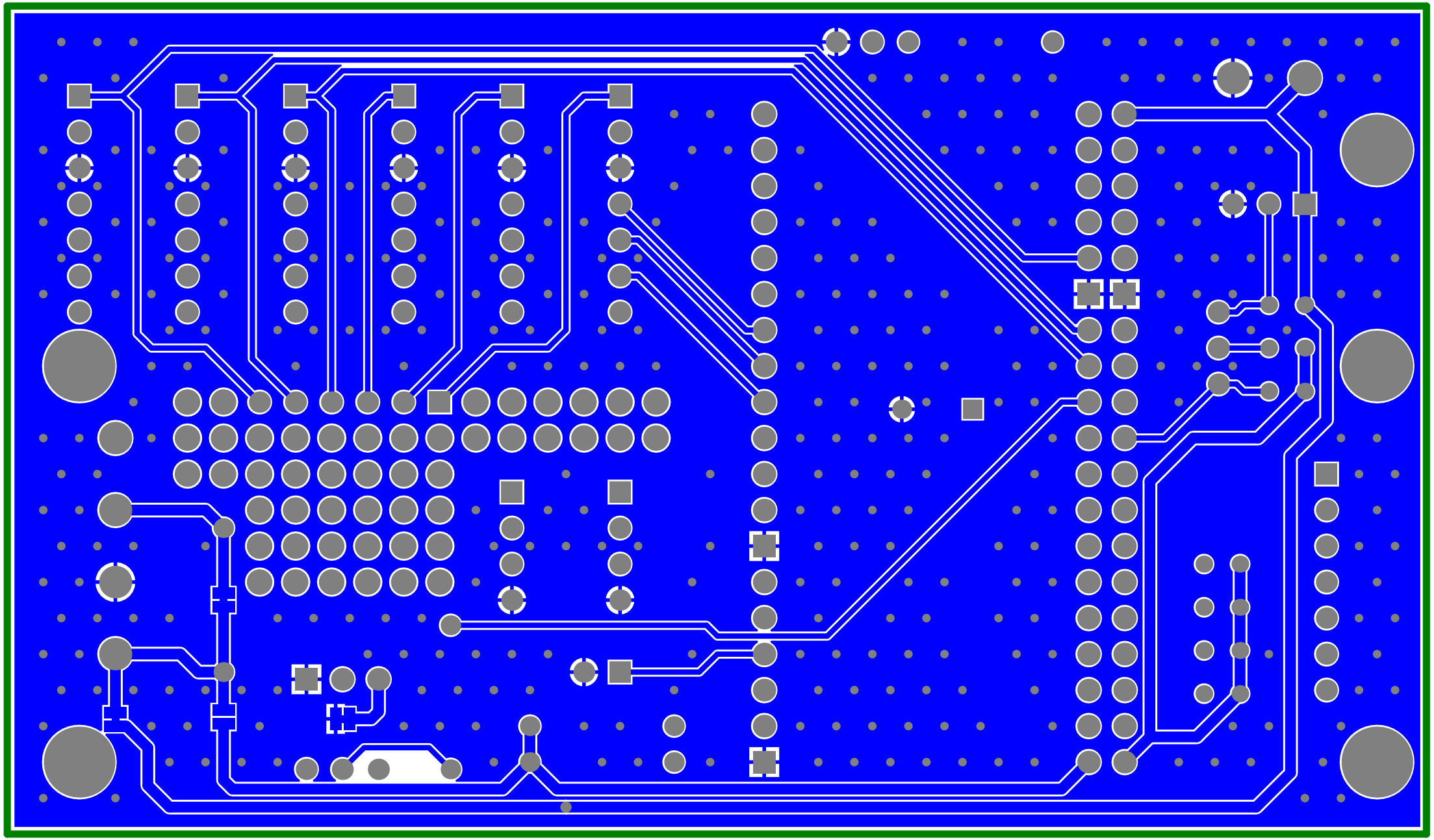
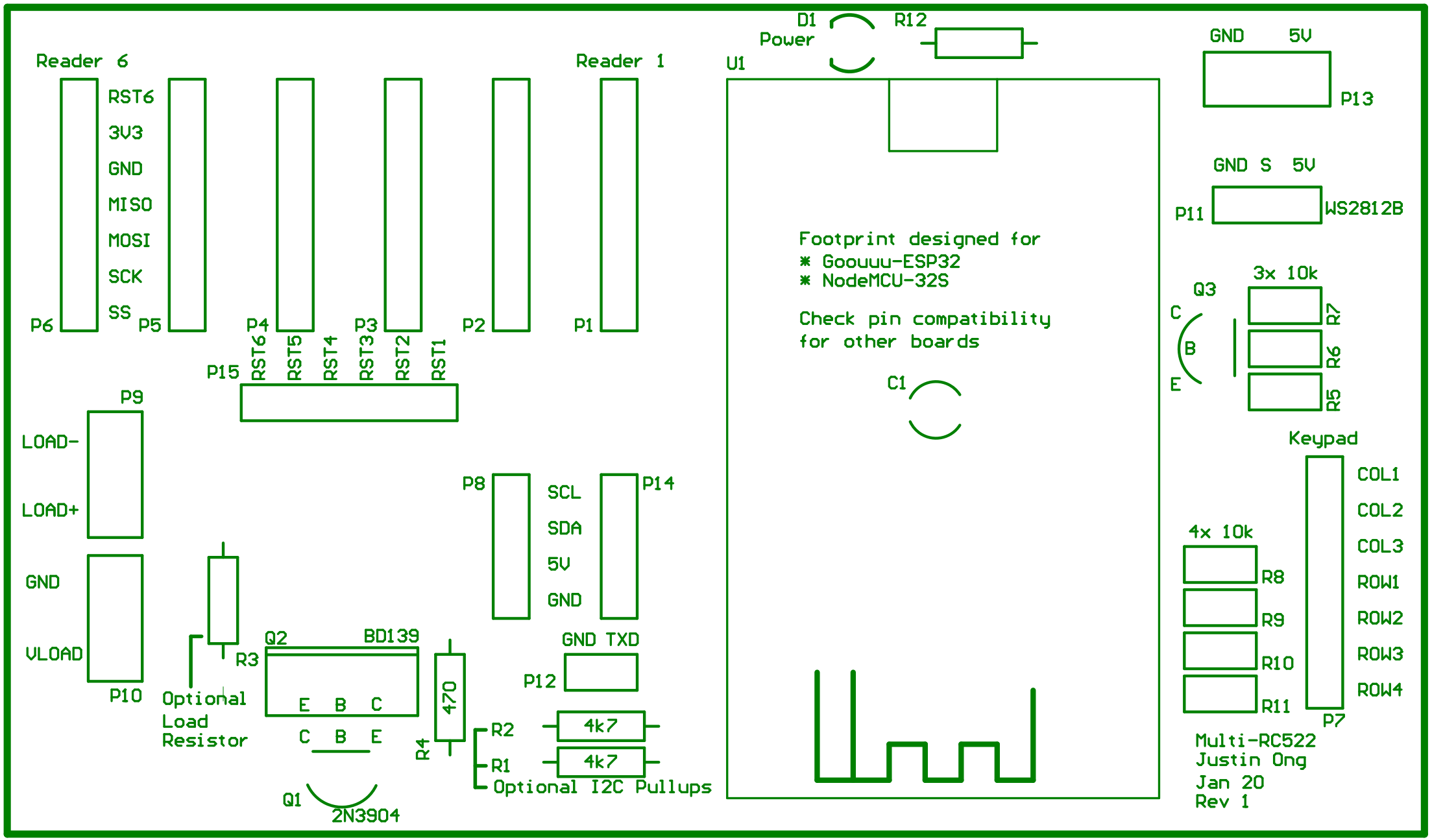





Reader 6
RST6
3V3
GND
MISO
MOSI
SCK
SS
P6
P5
P4
P3
P2
Reader 1
P1
P15
RST6
RST5
RST4
RST3
RST2
RST1
D1
Power
R12
U1
GND
5V
P13
GND S 5V
P11
WS2812B
Footprint designed for
* Goouuu-ESP32
* NodeMCU-32S
Check pin compatibility
for other boards
C1
Q3
3x 10k
C
B
E
R7
R6
R5
P9
LOAD-
LOAD+
GND
VLOAD
P10
Optional
Load
Resistor
R3
Q2
BD139
E B C
C B E
Q1
2N3904
R4
470
P8
SCL
SDA
5V
GND
P14
GND TXD
P12
R2
4k7
R1
4k7
Optional I2C Pullups
Keypad
4x 10k
R8
R9
R10
R11
COL1
COL2
COL3
ROW1
ROW2
ROW3
ROW4
P7
Multi-RC522
Justin Ong
Jan 20
Rev 1

5V GND

Reader 1

5V	CLK
CMD	SDO
SD3	SD1
SD2	G15
G13	G2
GND	G0
G12	G4
G14	G16
G27	G17
G26	G5
G25	G18
G33	G19
G32	GND
G35	G21
G34	RXD
SN	TXD
SP	G22
EN	G23
3V3	GND

COL1
COL2
COL3
ROW1
ROW2
ROW3
ROW4

GND TXD
5V
GND
SCL
SDA

LOAD+
LOAD-

Reader 6

RST6
3V3
GND
MISO
MOSI
SCK
SS

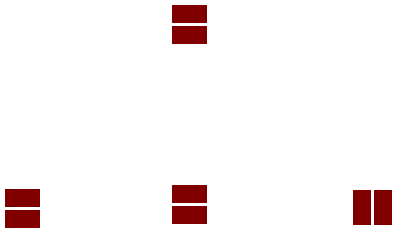
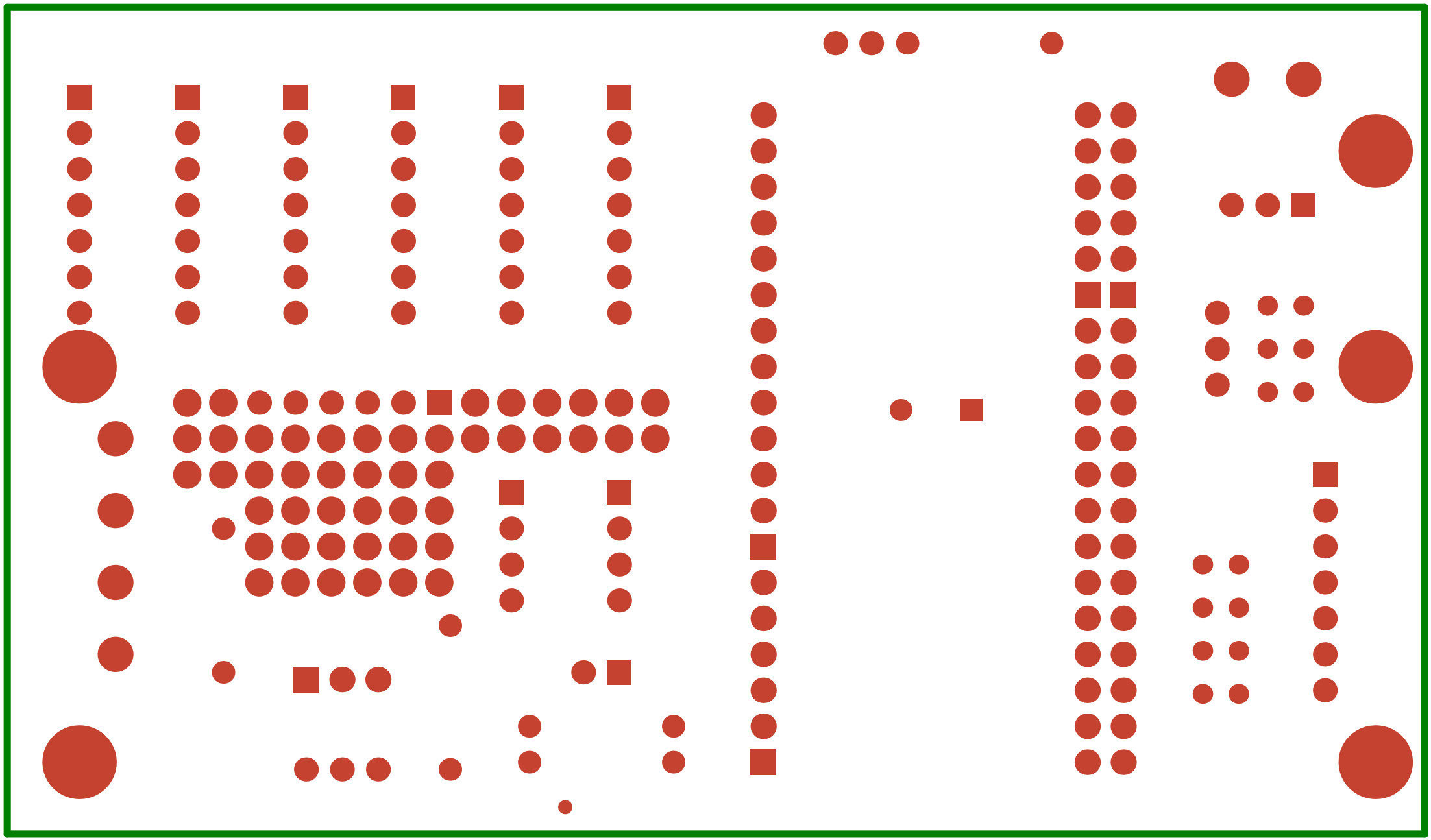
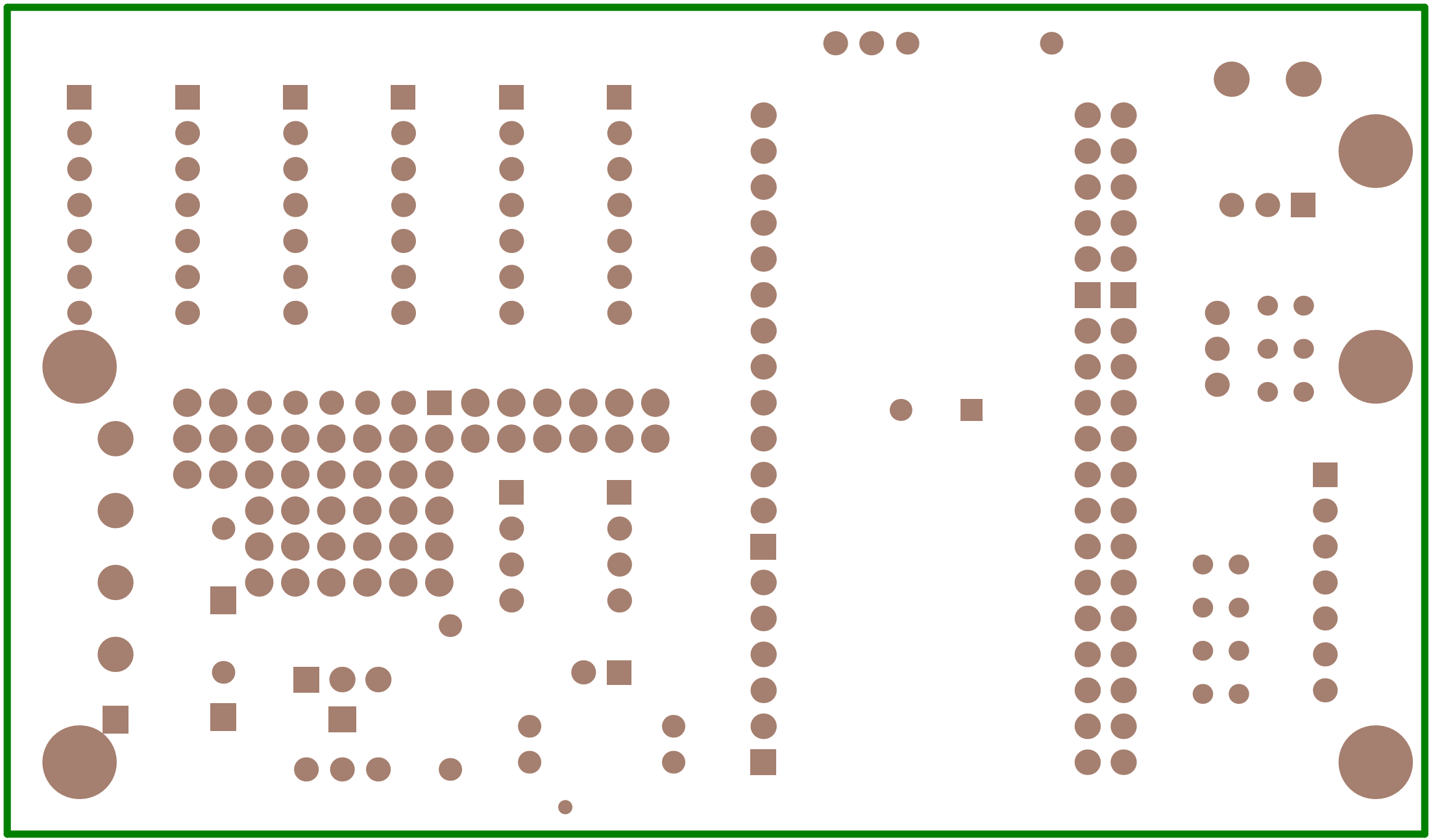
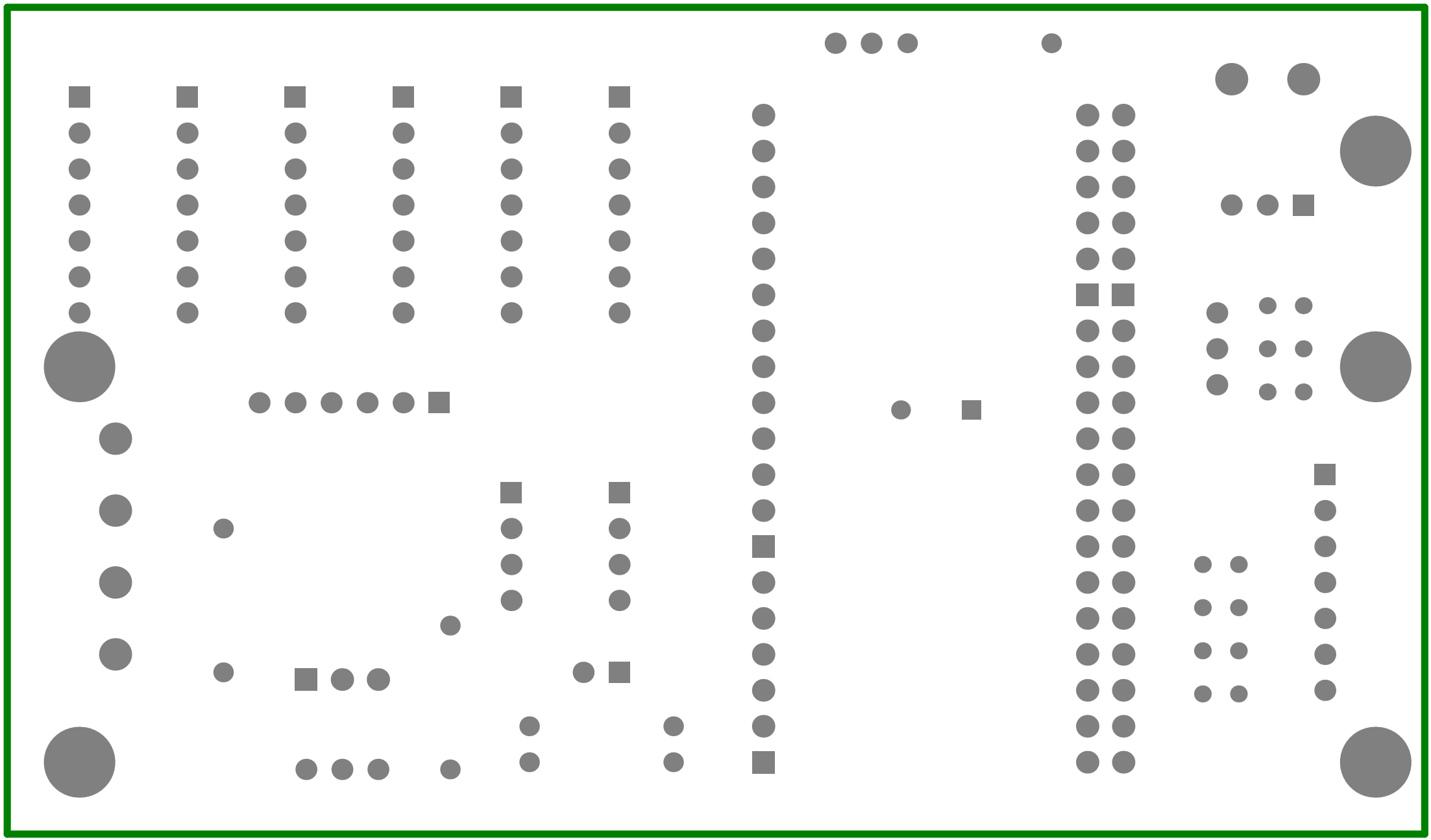
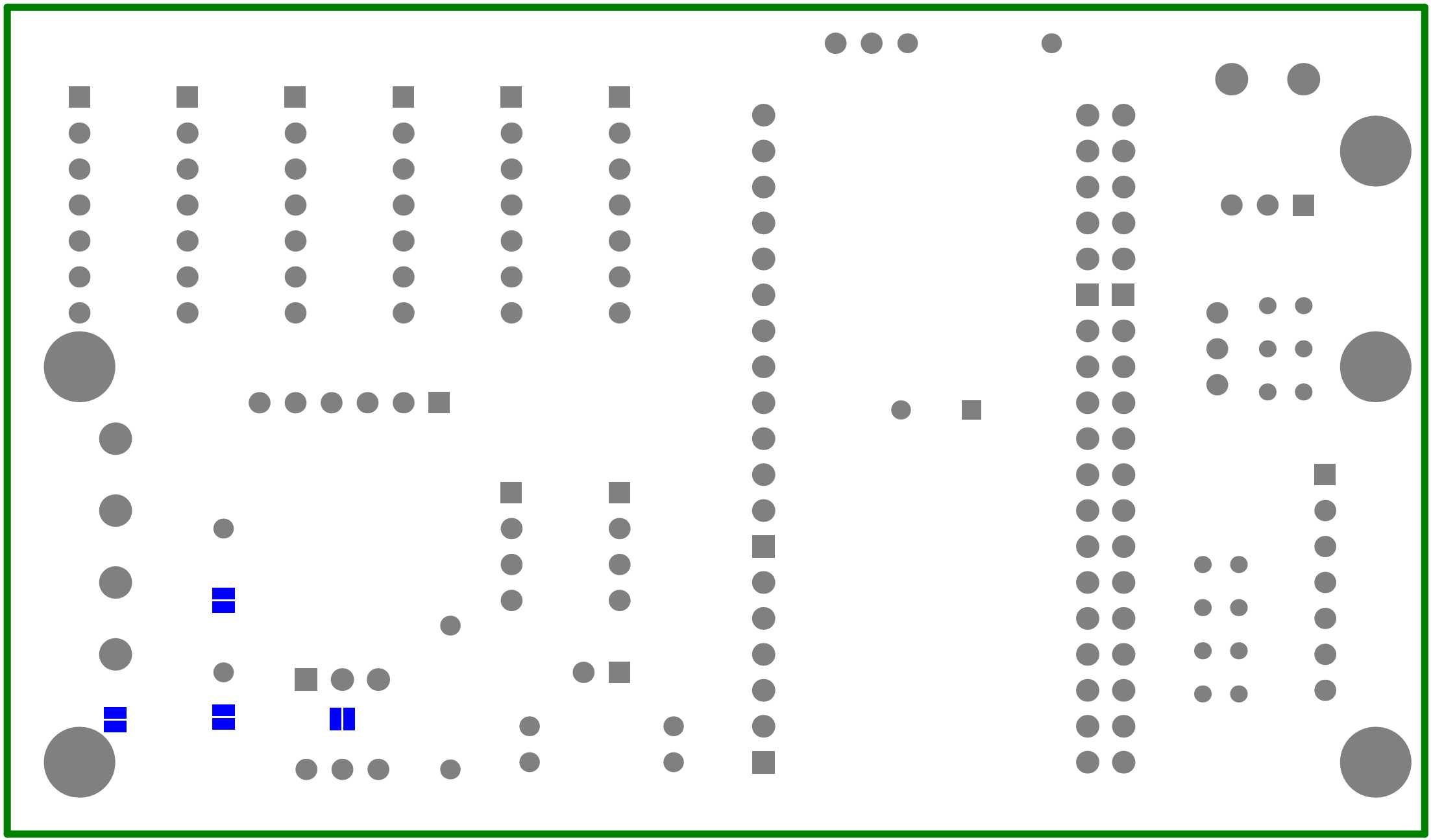
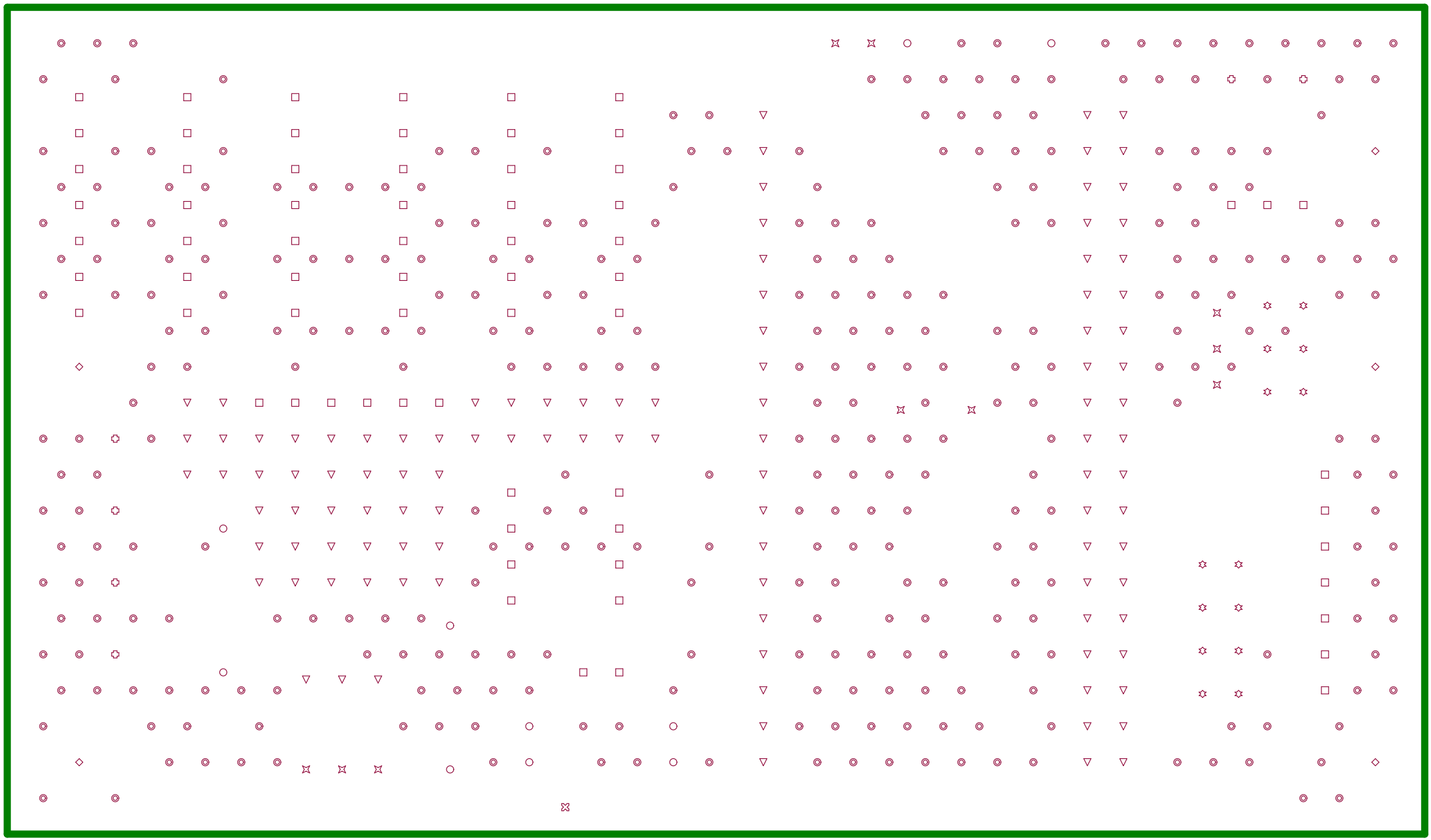
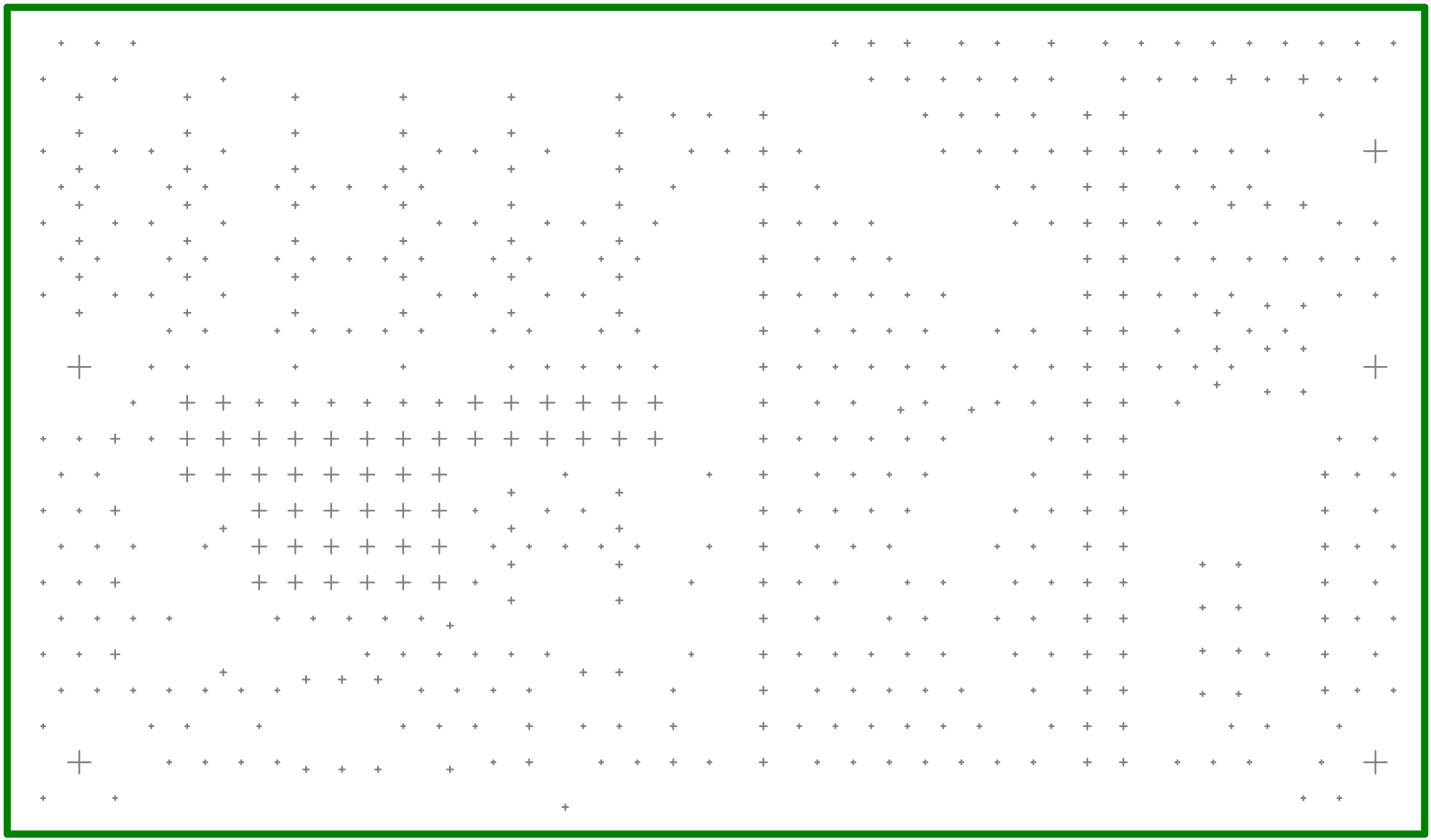
GND

J4

VLOAD

Low Current Load:
- Close J1

High Current Load:
- Open J1
- Solder 0Ω

J1 J3 J2

Load Powered by:
Close 12: 5V
Close 13: 3.3V
Neither: VLOAD