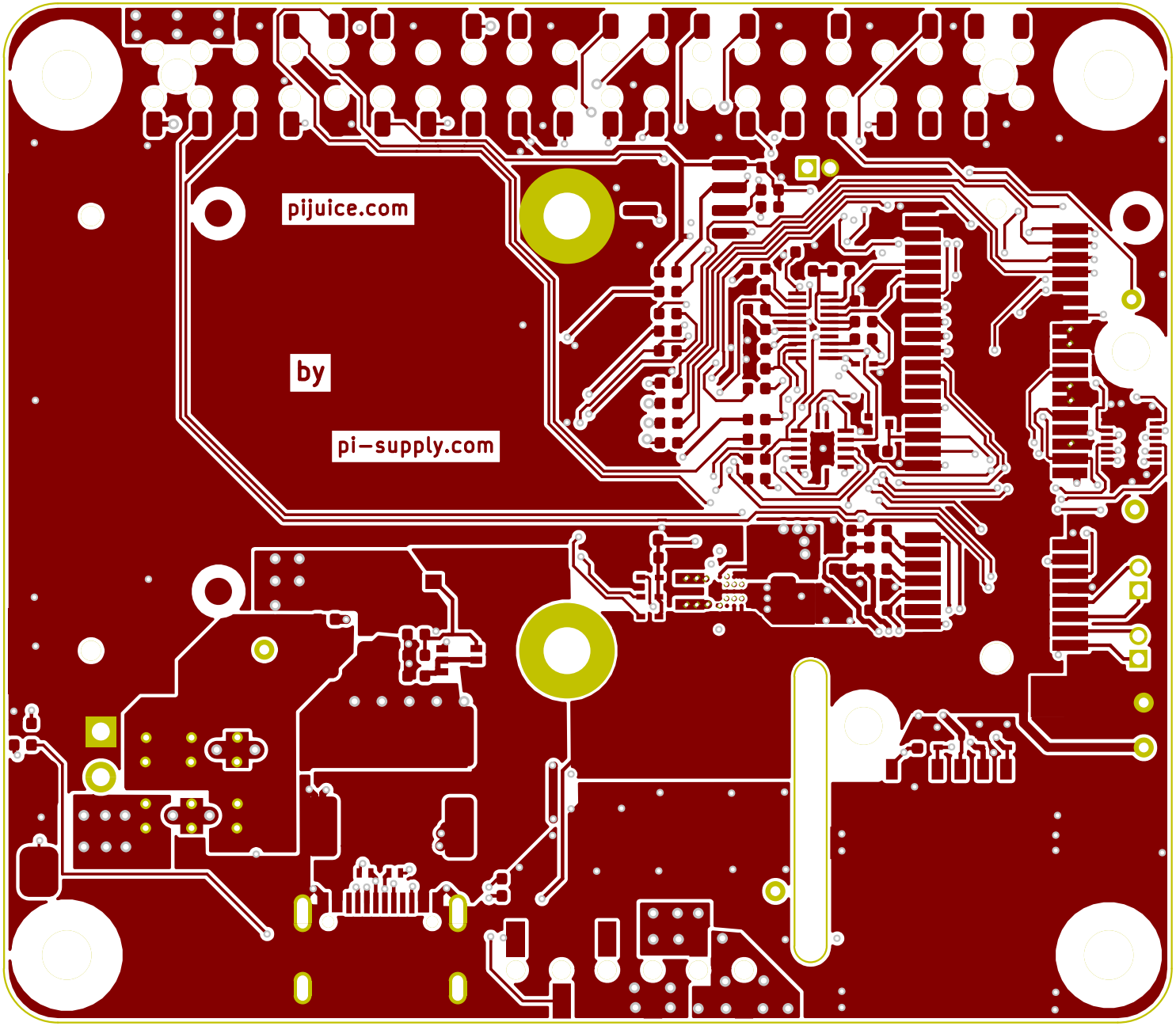
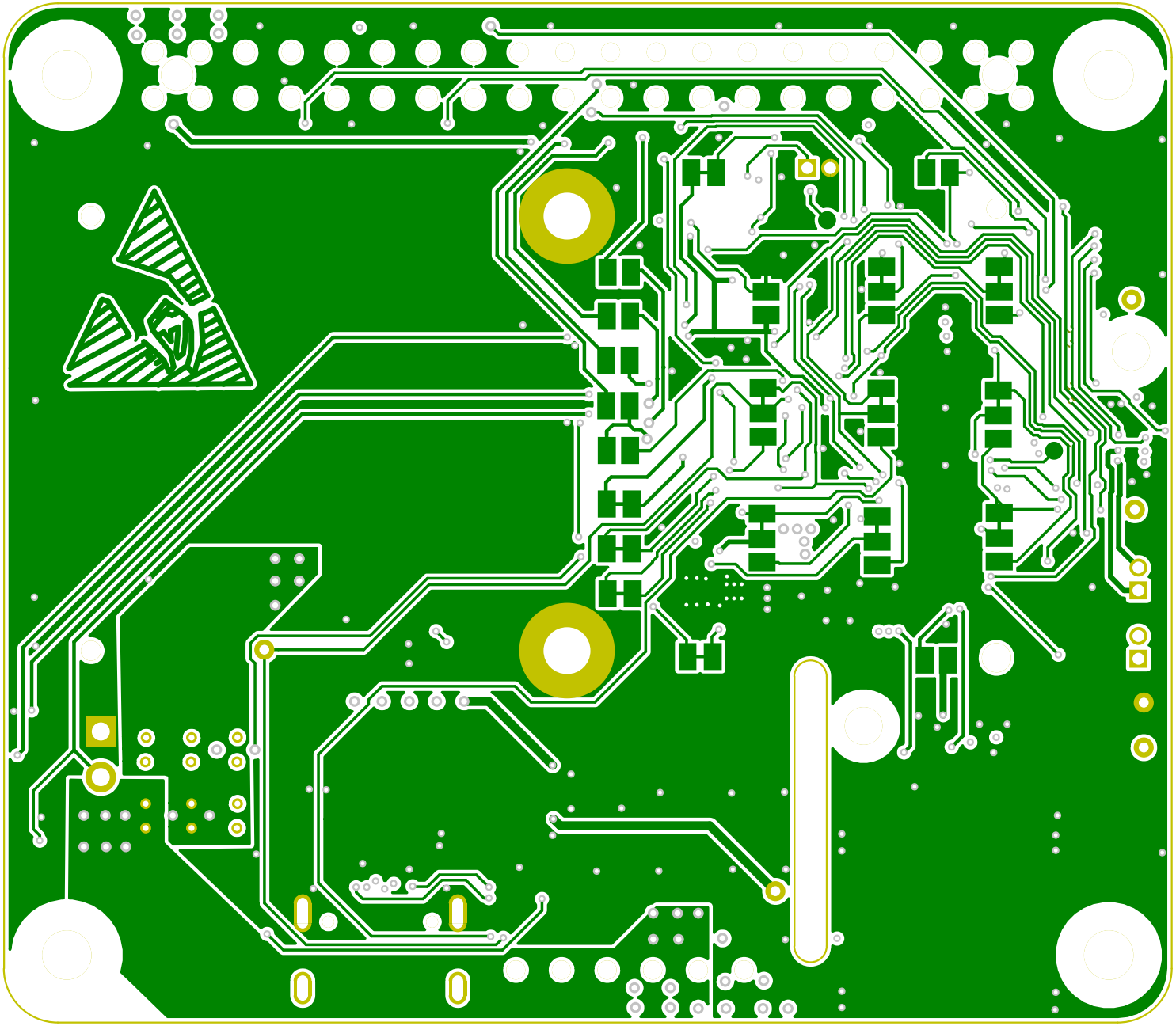
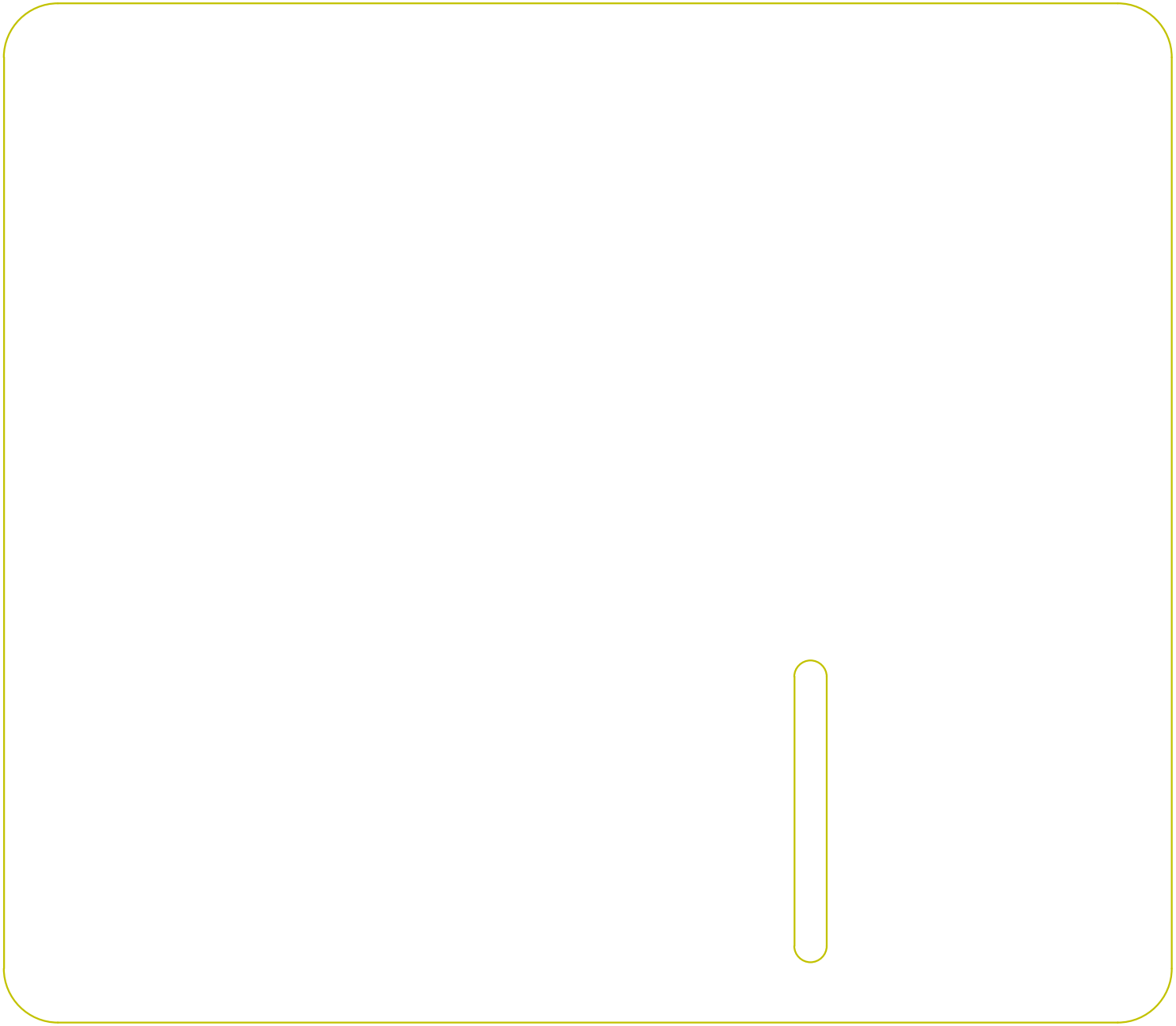
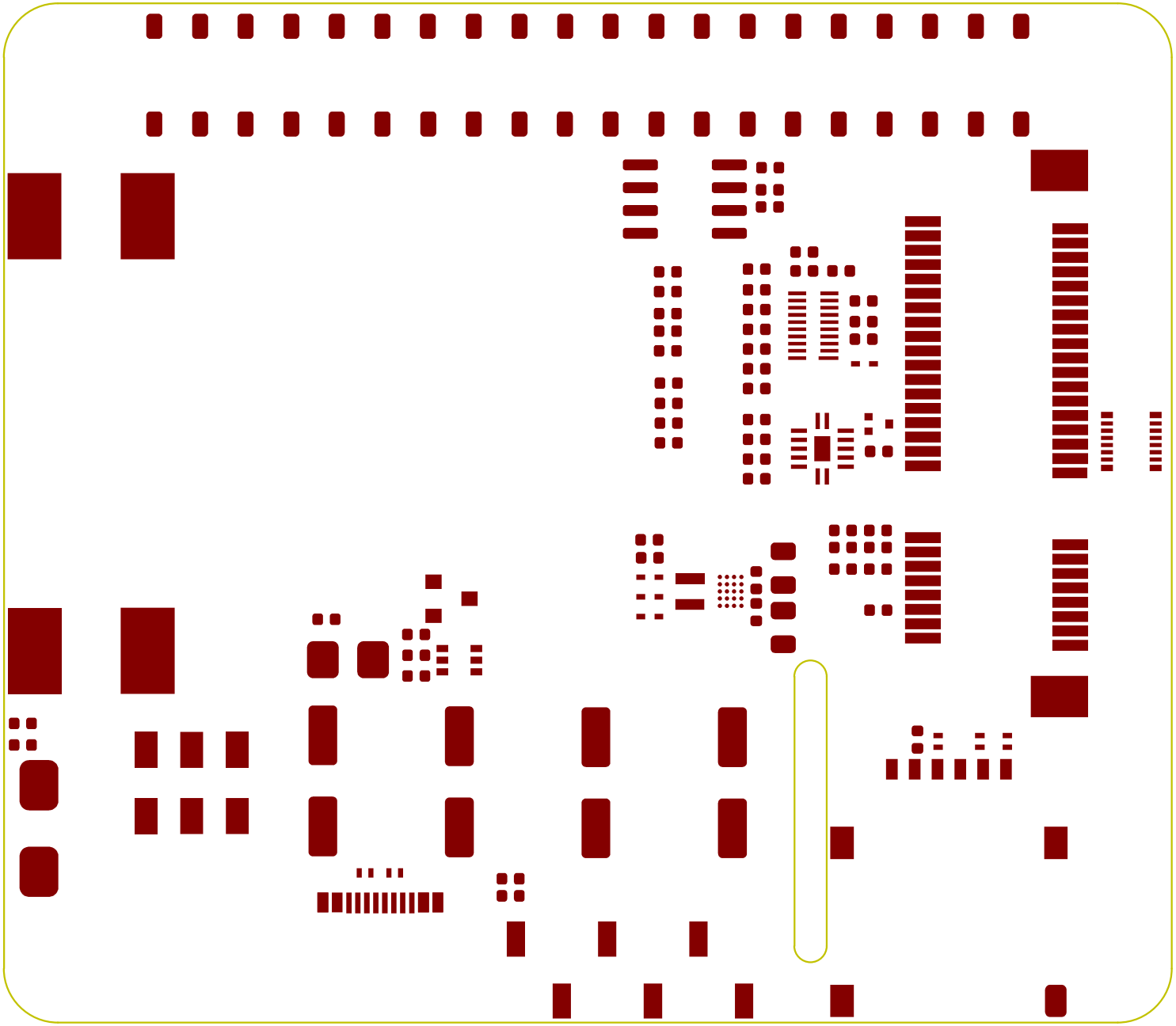
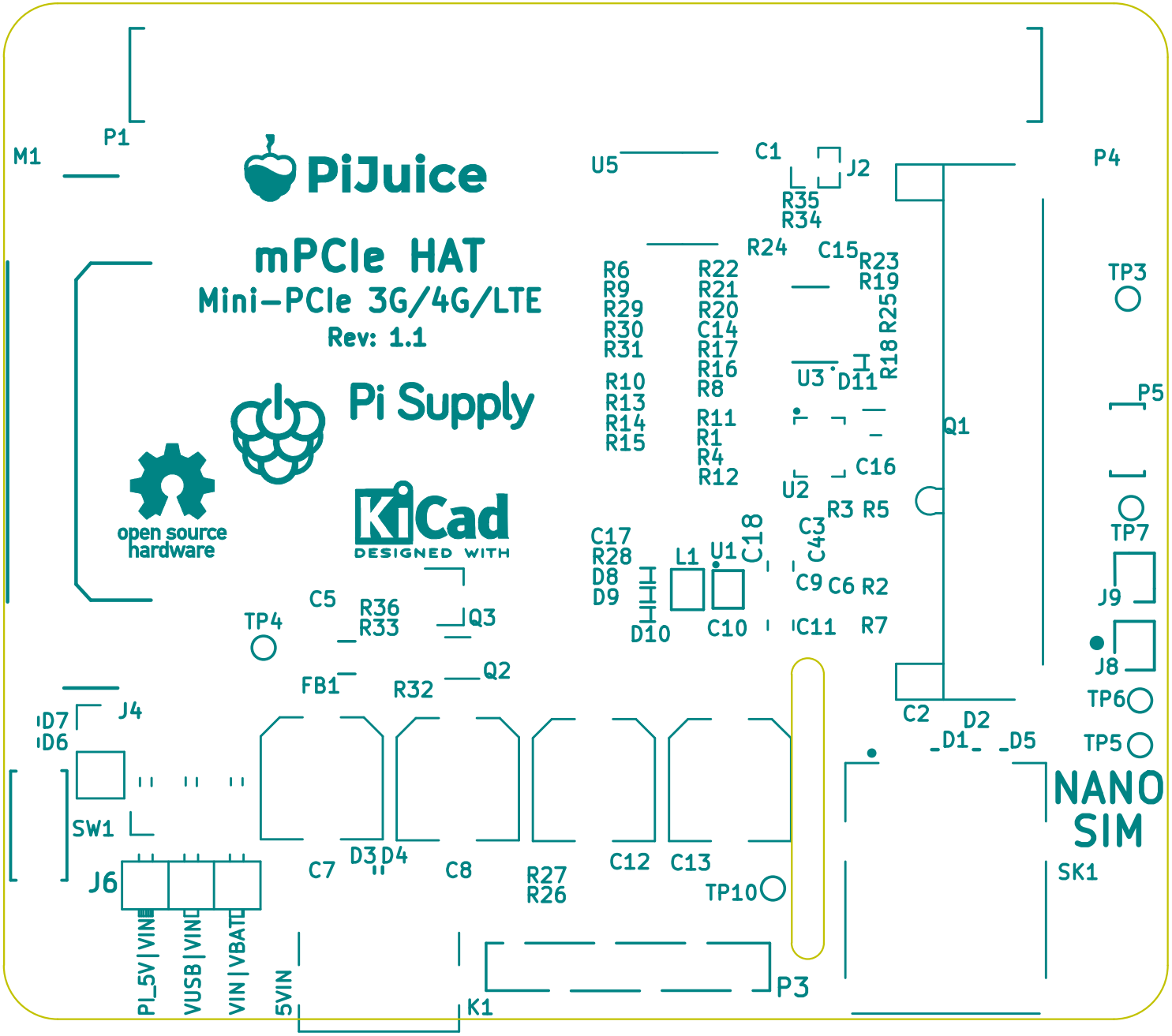

pijuice.com
by
pi-supply.com

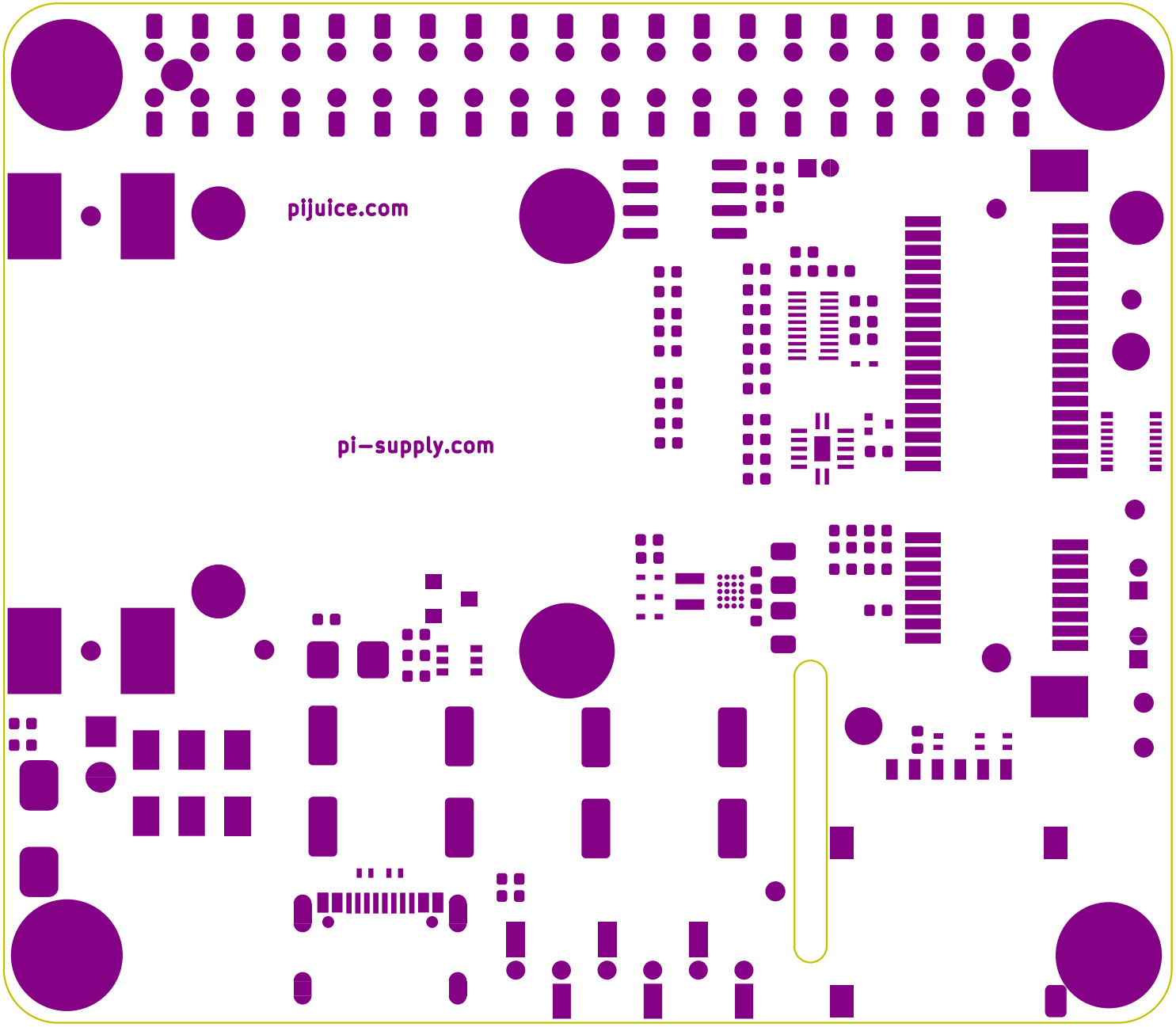







PiJuice
mPCIe HAT
Mini-PCIe 3G/4G/LTE
Rev: 1.1
Pi Supply
open source hardware
KiCad
DESIGNED WITH
NANO SIM
M1
P1
U5
C1
J2
R35
R34
P4
R24
C15
R23
R19
R25
R18
R6
R9
R29
R30
R31
R22
R21
R20
C14
R17
R16
R8
TP3
U3
D11
P5
R10
R13
R14
R15
R11
R1
R4
R12
Q1
C16
U2
R3
R5
TP7
C17
R28
D8
D9
L1
U1
C18
C3
C43
C9
C6
R2
J9
D10
C10
C11
R7
J8
TP4
C5
R36
R33
Q3
Q2
FB1
R32
TP6
C2
D2
D1
D5
TP5
D7
D6
J4
SW1
J6
C7
D3
D4
C8
R27
R26
C12
C13
TP10
SK1
PL_5V
VIN
VUSB
VIN
VIN
VBAT
5VIN
K1
P3

J29
LED_D7
J26
EEADR
TP9
J5
J25
J10
GND
EEADR
3V3
GPIO7
SW1
WKUP
GPIO27
PERST
GPIO23
J20
CLK
J21
MISO
J22
MOSI
J23
CE0
CEGP17
J24
J19
RI
WKUP
WAKE
J18
GPIO25
DTR
IO1
J11
GPIO4
WDIS
GPIO6
TP8
J17
PICTS
J16
PITXD
J15
PIRXD
J14
PISCL
SCL
PCISC
J13
PISDA
SDA
PCISD
J12
GPIO6
RI
GPIO4
J28
POWEN
J27
SIMVP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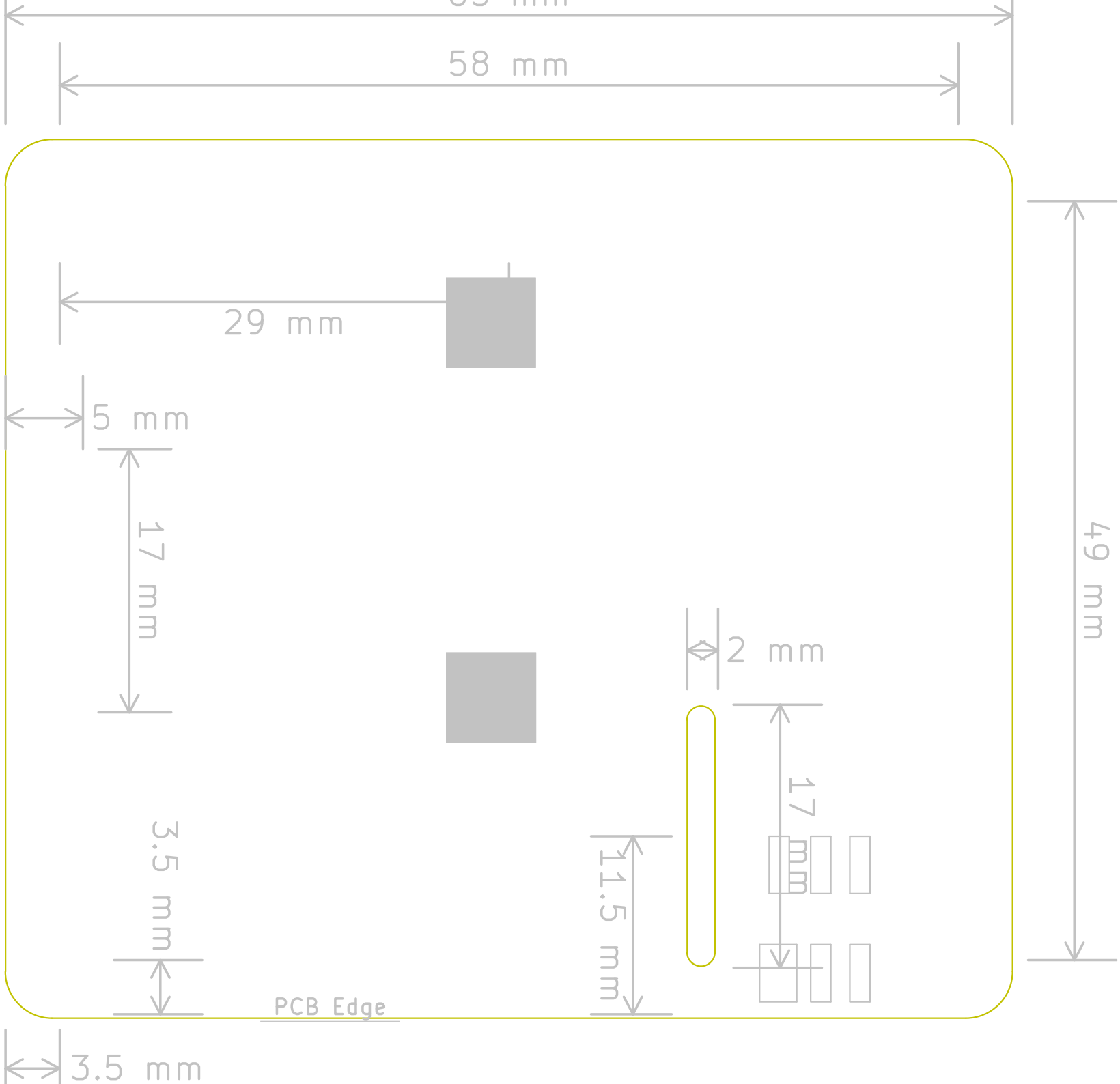
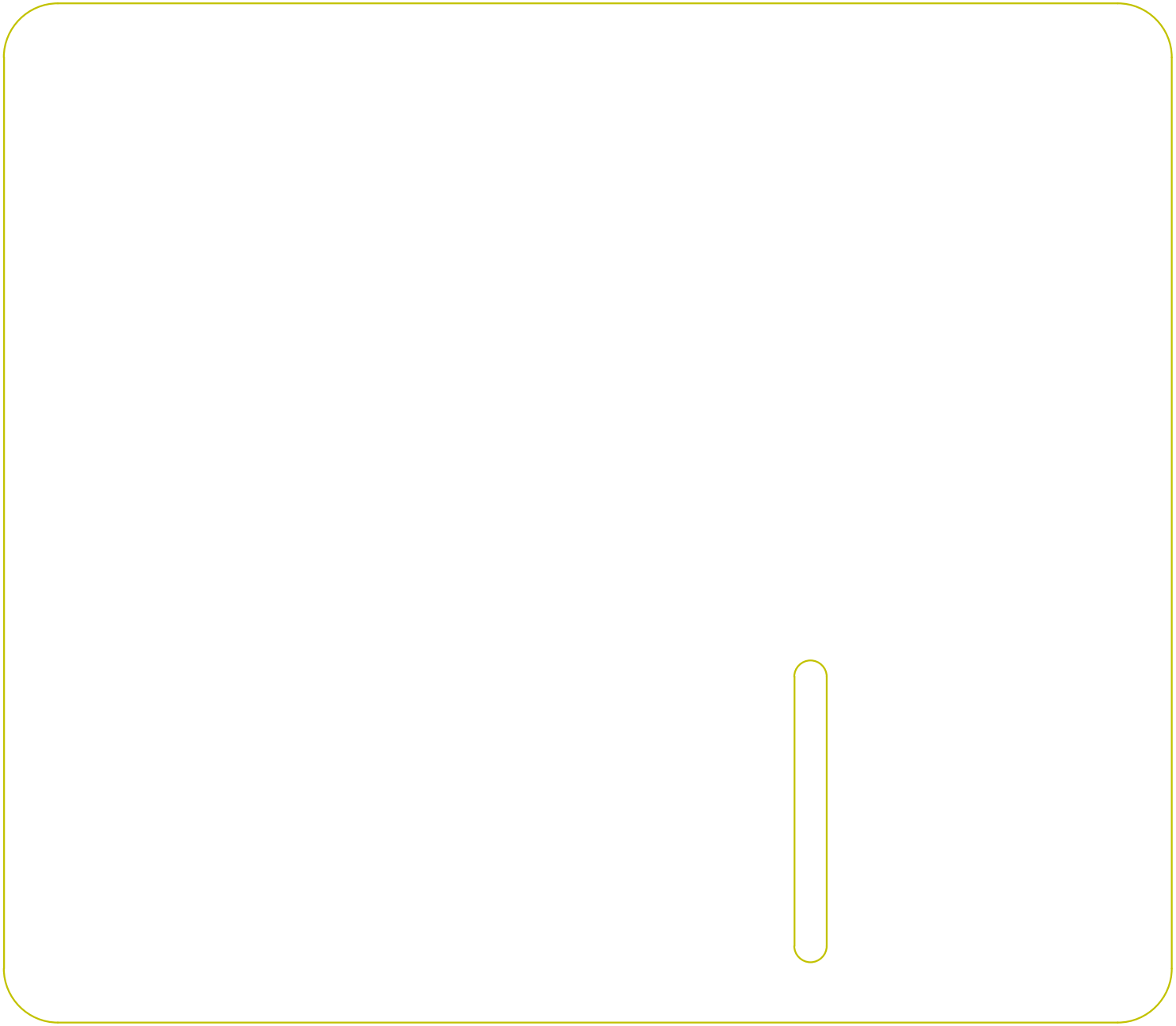
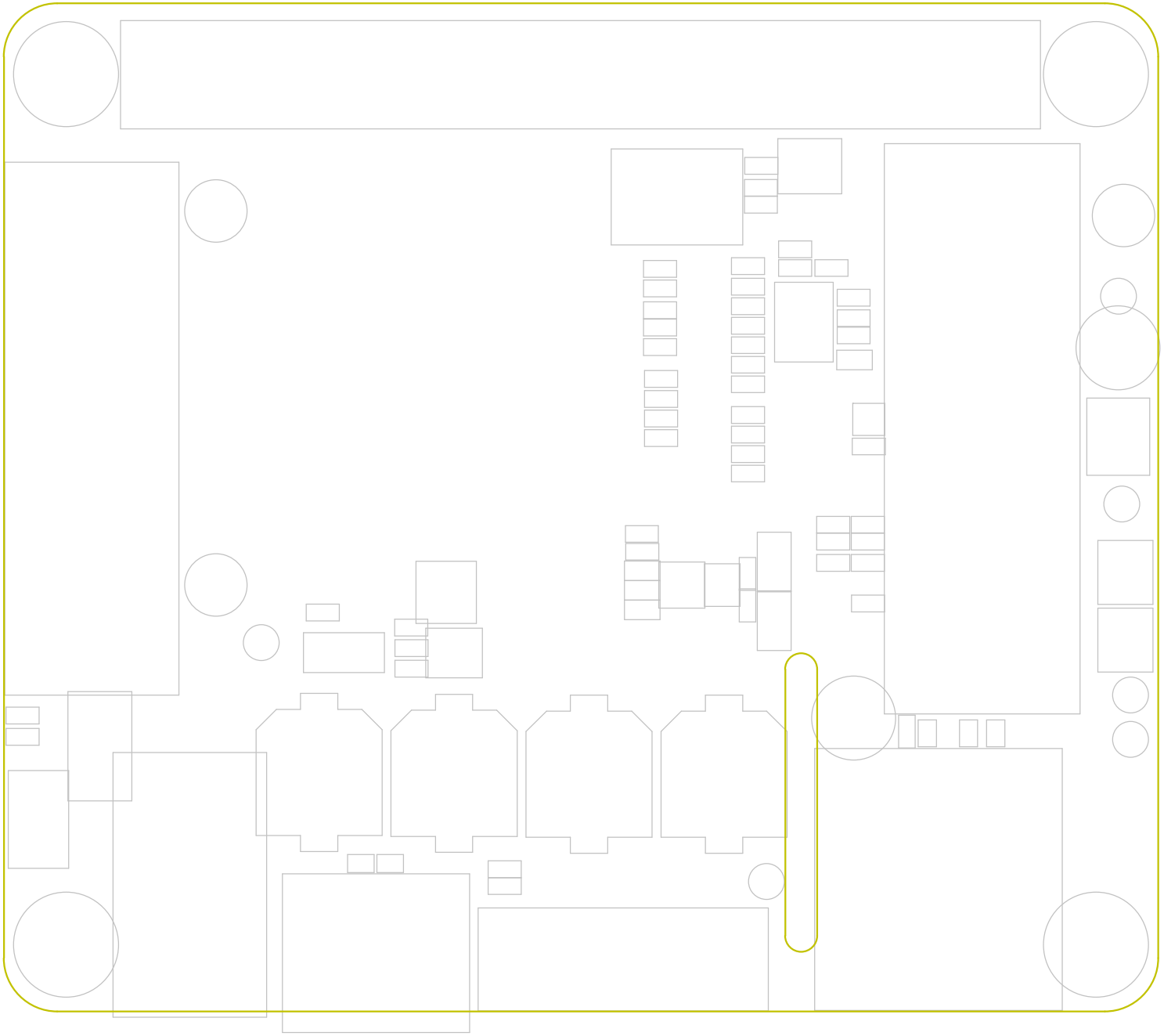
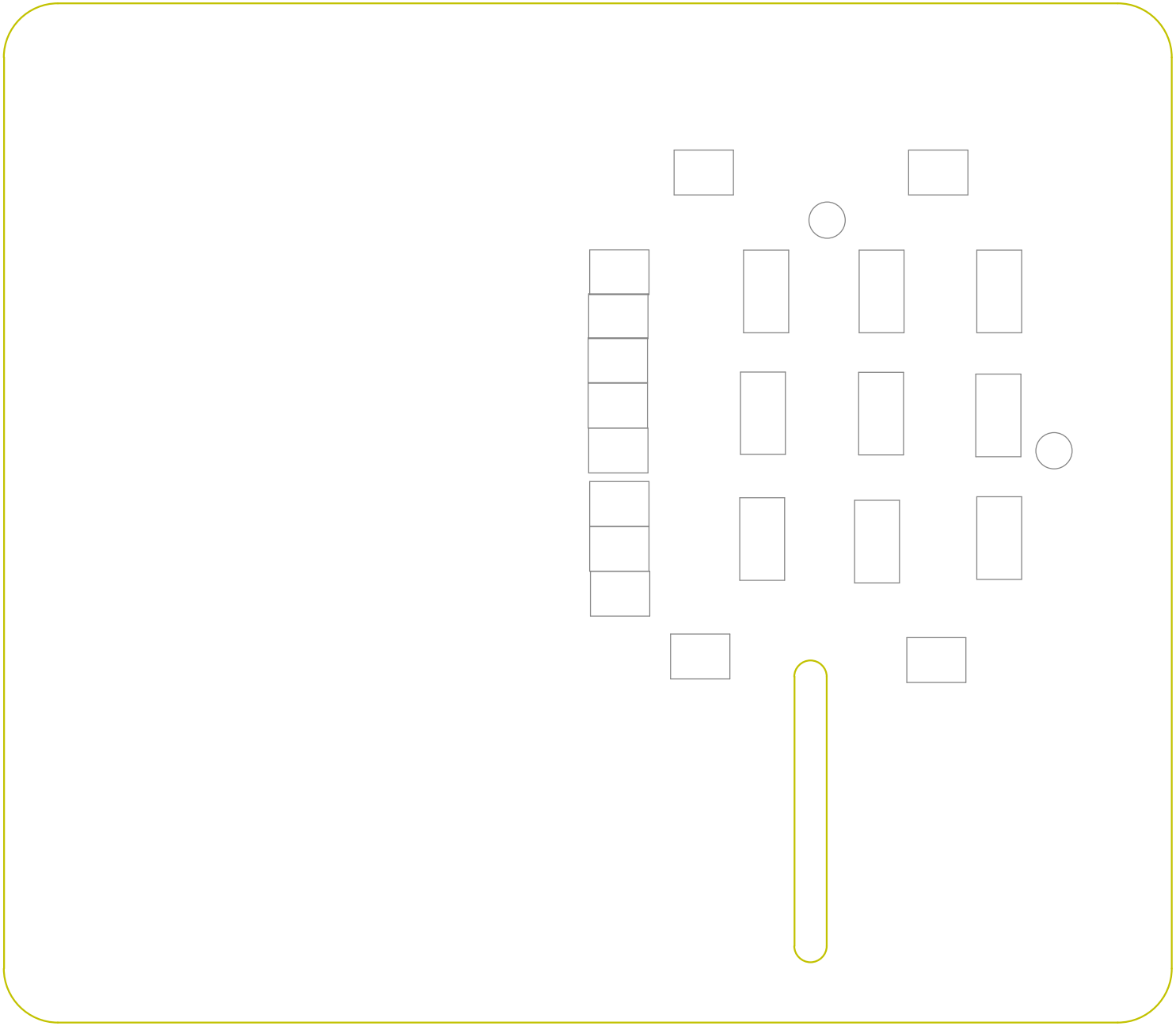
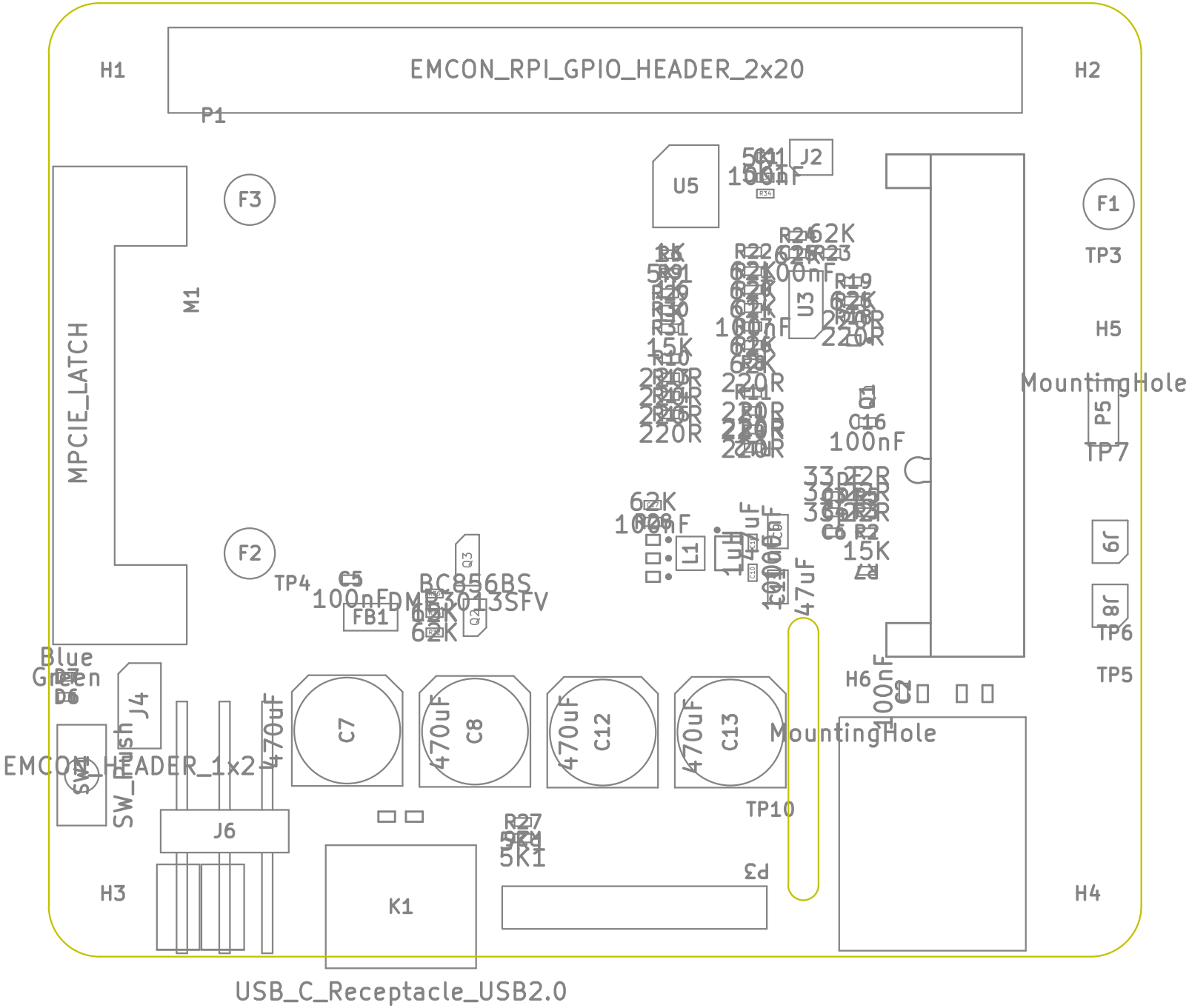

58 mm
29 mm
5 mm
17 mm
49 mm
2 mm
17 mm
11.5 mm
3.5 mm
PCB Edge
3.5 mm








H1
EMCON_RPI_GPIO_HEADER_2x20
H2
P1
F3
U5
J2
F1
TP3
62K
100nF
U3
H5
MountingHole
M1
MPCIE_LATCH
P5
TP7
100nF
F2
TP4
C5
100nF
BC856BS
DMB3013SFV
FB1
L1
15K
J9
J8
TP6
TP5
Blue
Green
J4
H6
C7
470uF
C8
470uF
C12
470uF
C13
470uF
MountingHole
EMCON_HEADER_1x2
SW_Push
J6
TP10
5K1
P3
H3
K1
H4
USB_C_Receptacle_USB2.0