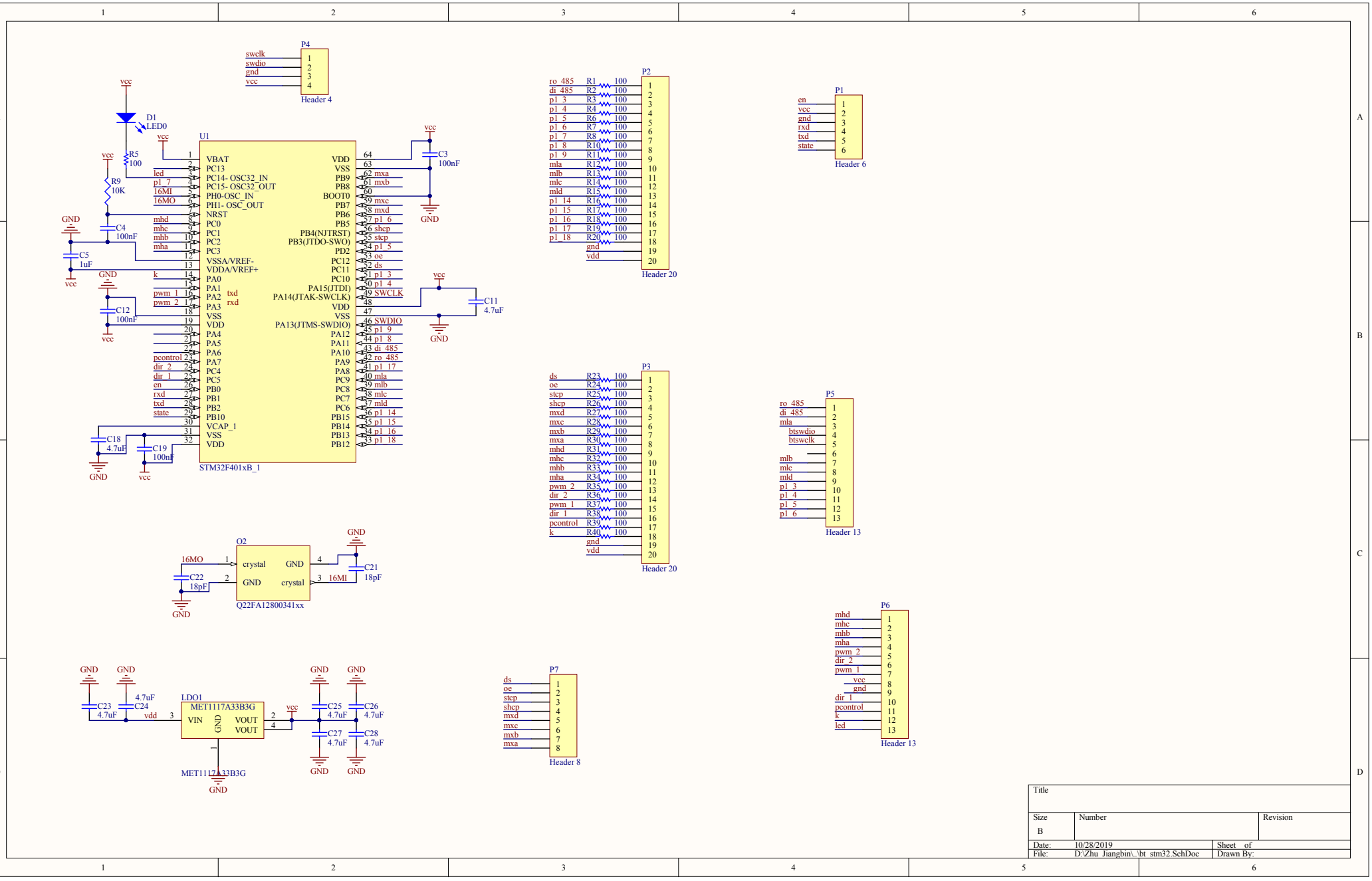
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swdio
gnd
vcc
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R5
100
R9
10K
C4
100nF
C5
1uF
C12
100nF
C18
4.7uF
C19
100nF
U1
VBAT
PC13
PC14- OSC32_IN
PC15- OSC32_OUT
PH0-OSC_IN
PH1- OSC_OUT
NRST
PC0
PC1
PC2
PC3
VSSA/VREF-
VDDA/VREF+
PA0
PA1
PA2
PA3
VSS
VDD
PA4
PA5
PA6
PA7
PC4
PC5
PB0
PB1
PB2
PB10
VCAP_1
VSS
VDD
VDD
VSS
PB9
PB8
BOOT0
PB7
PB6
PB5
PB4(NJTRST)
PB3(JTDO-SWO)
PD2
PC12
PC11
PC10
PA15(JTDI)
PA14(JTAK-SWCLK)
VDD
VSS
PA13(JTMS-SWDIO)
PA12
PA11
PA10
PA9
PA8
PC9
PC8
PC7
PC6
PB15
PB14
PB13
PB12
STM32F401xB_1
C3
100nF
C11
4.7uF
P2
Header 20
P1
Header 6
P3
Header 20
P5
Header 13
O2
Q22FA12800341xx
C21
18pF
C22
18pF
LDO1
MET1117A33B3G
C23
4.7uF
C24
4.7uF
C25
4.7uF
C26
4.7uF
C27
4.7uF
C28
4.7uF
P7
Header 8
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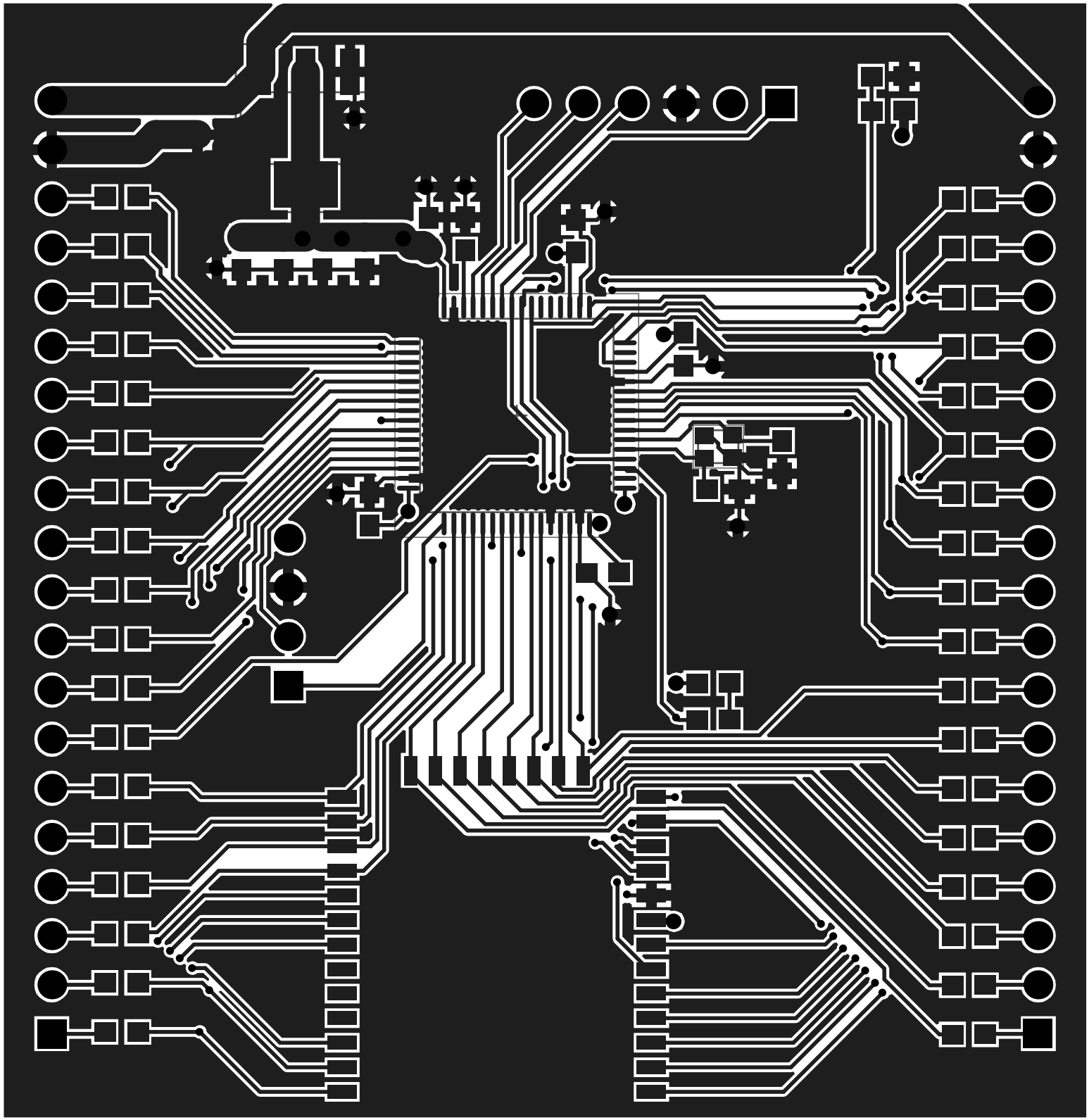

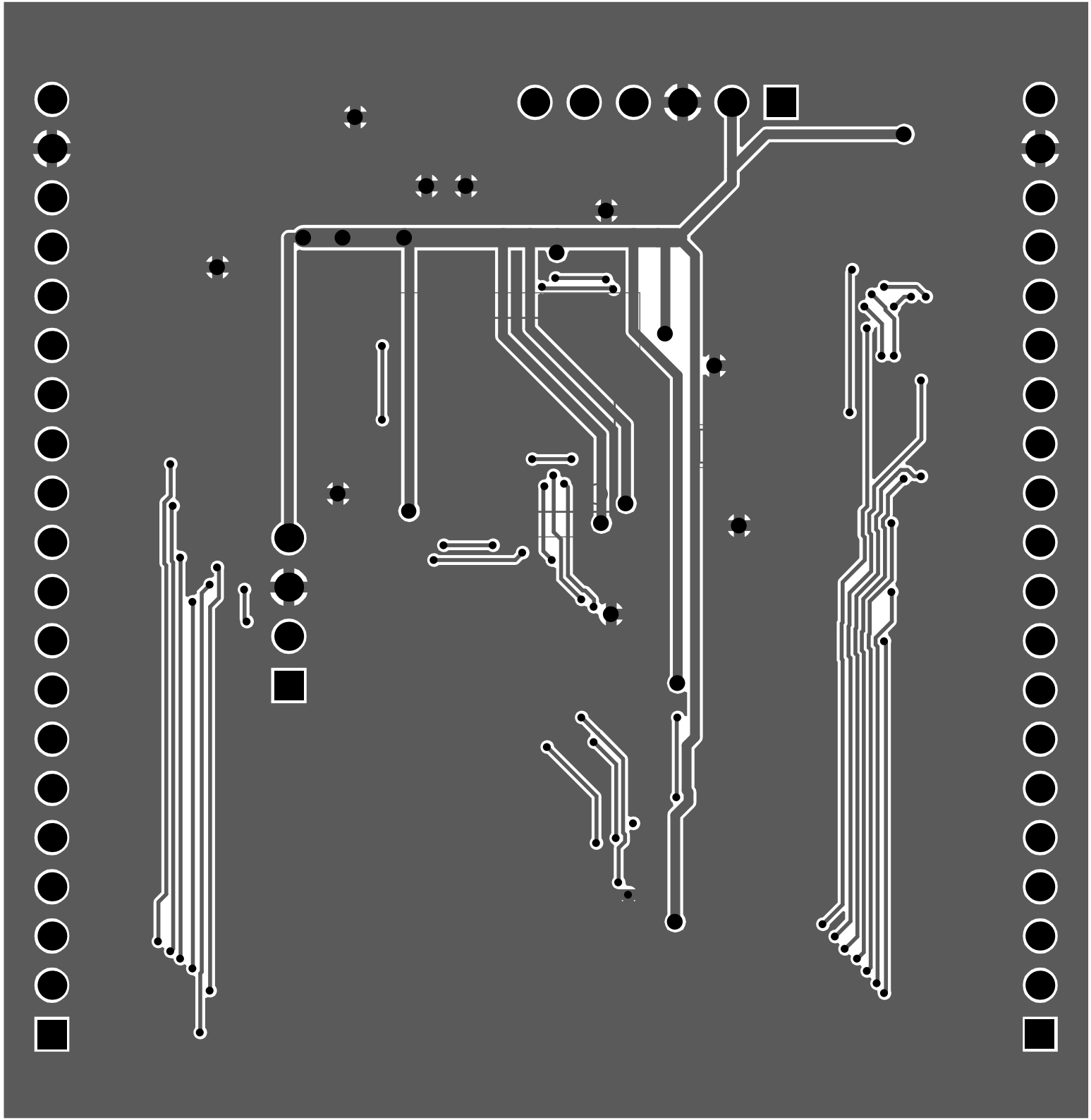

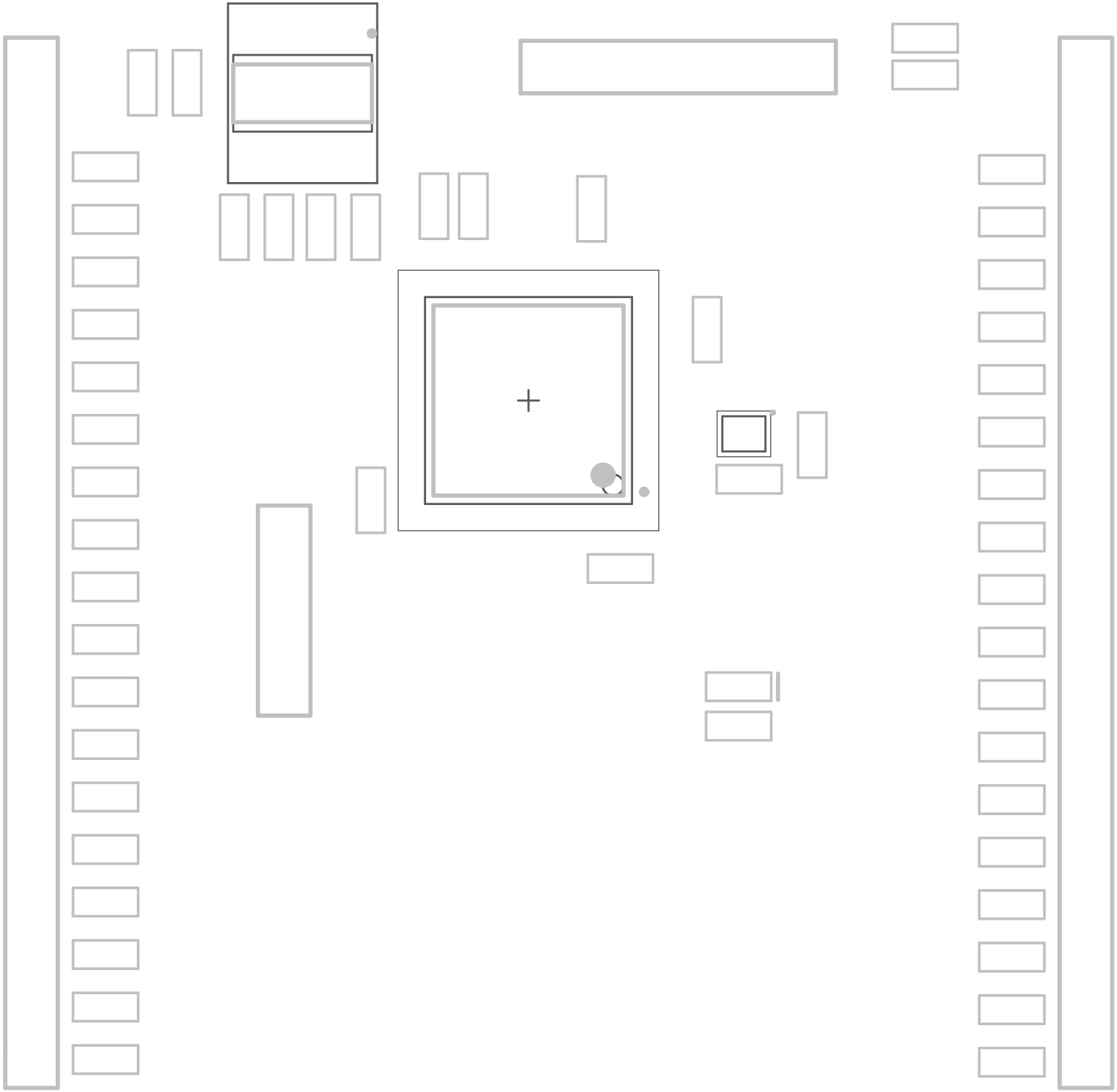
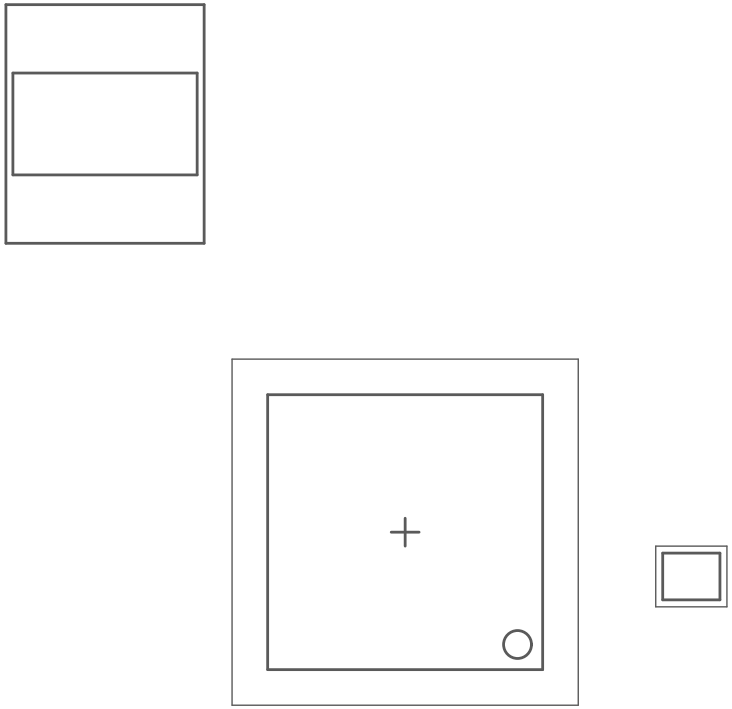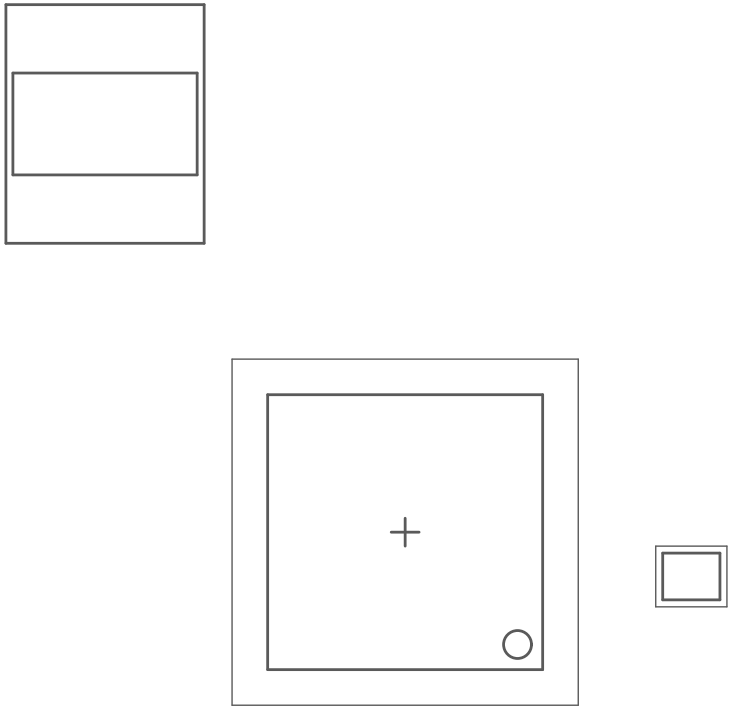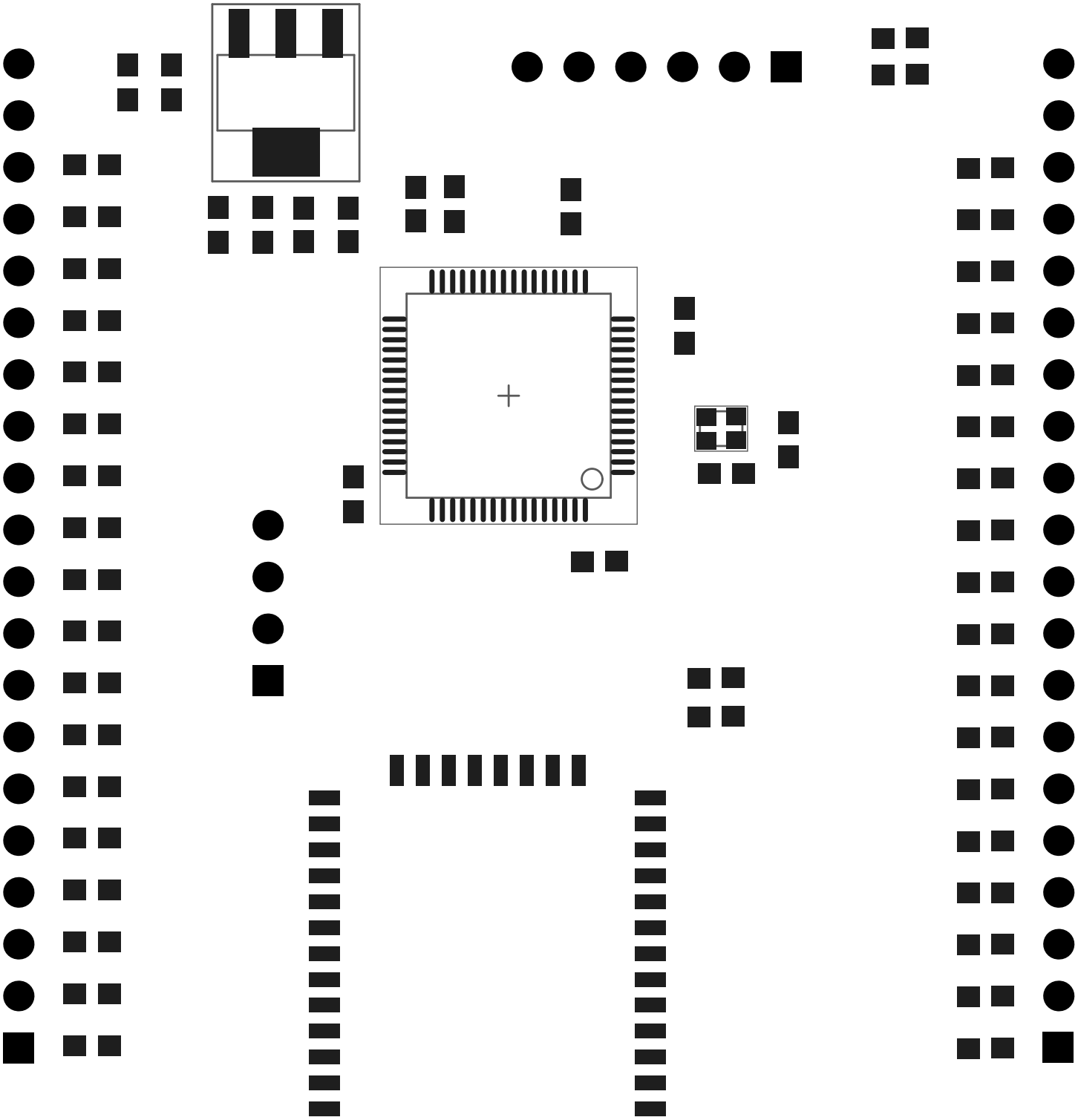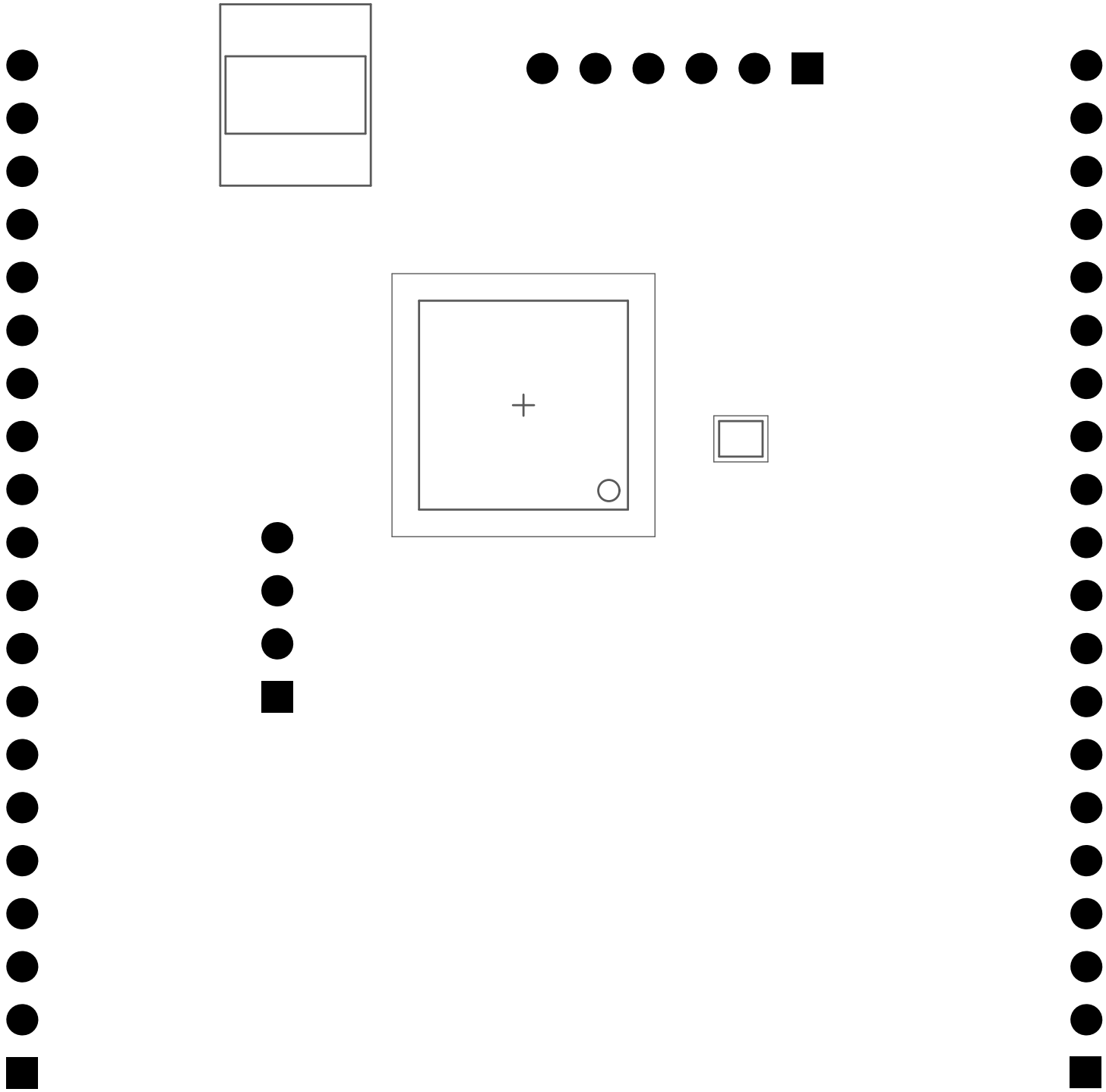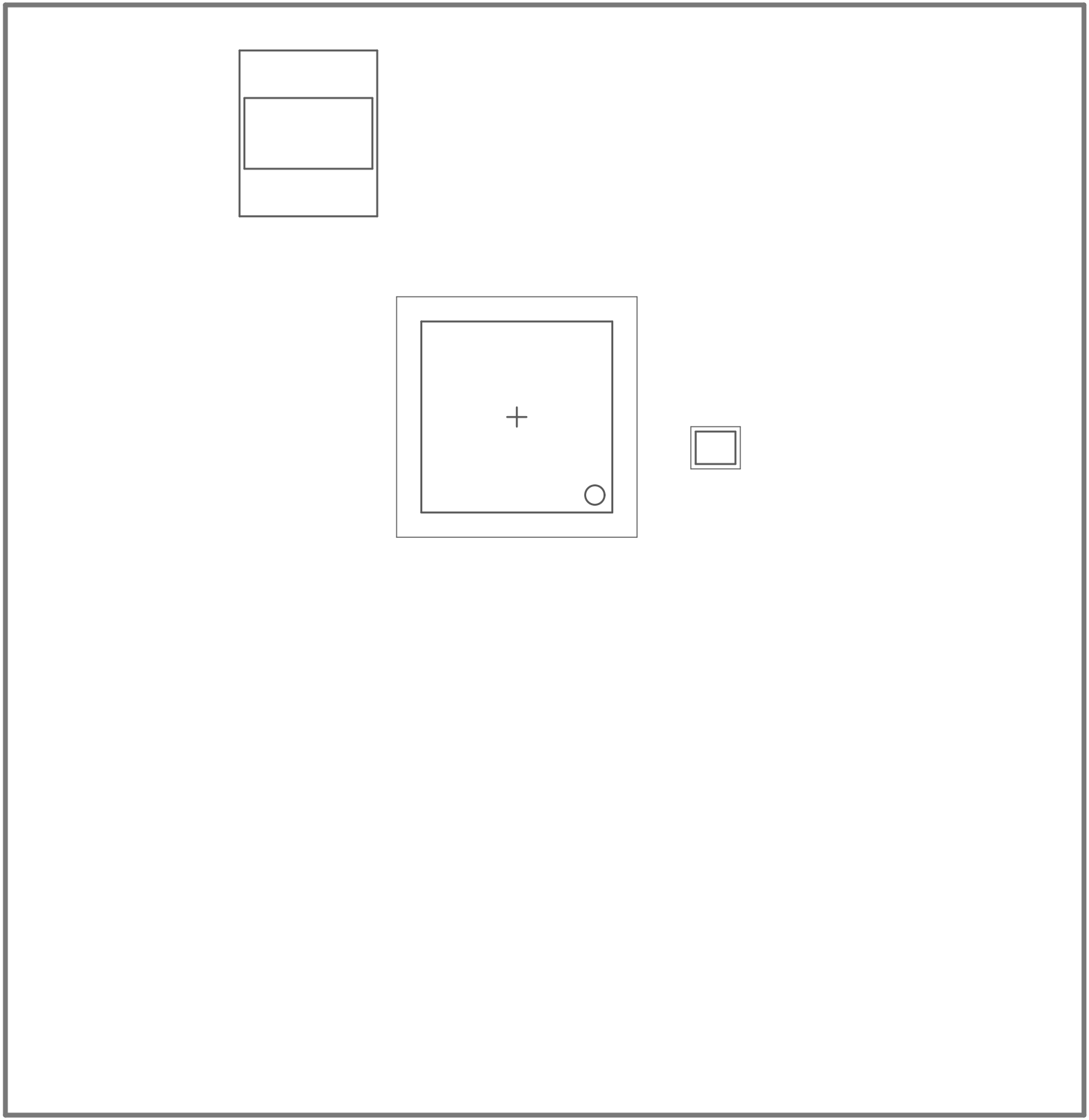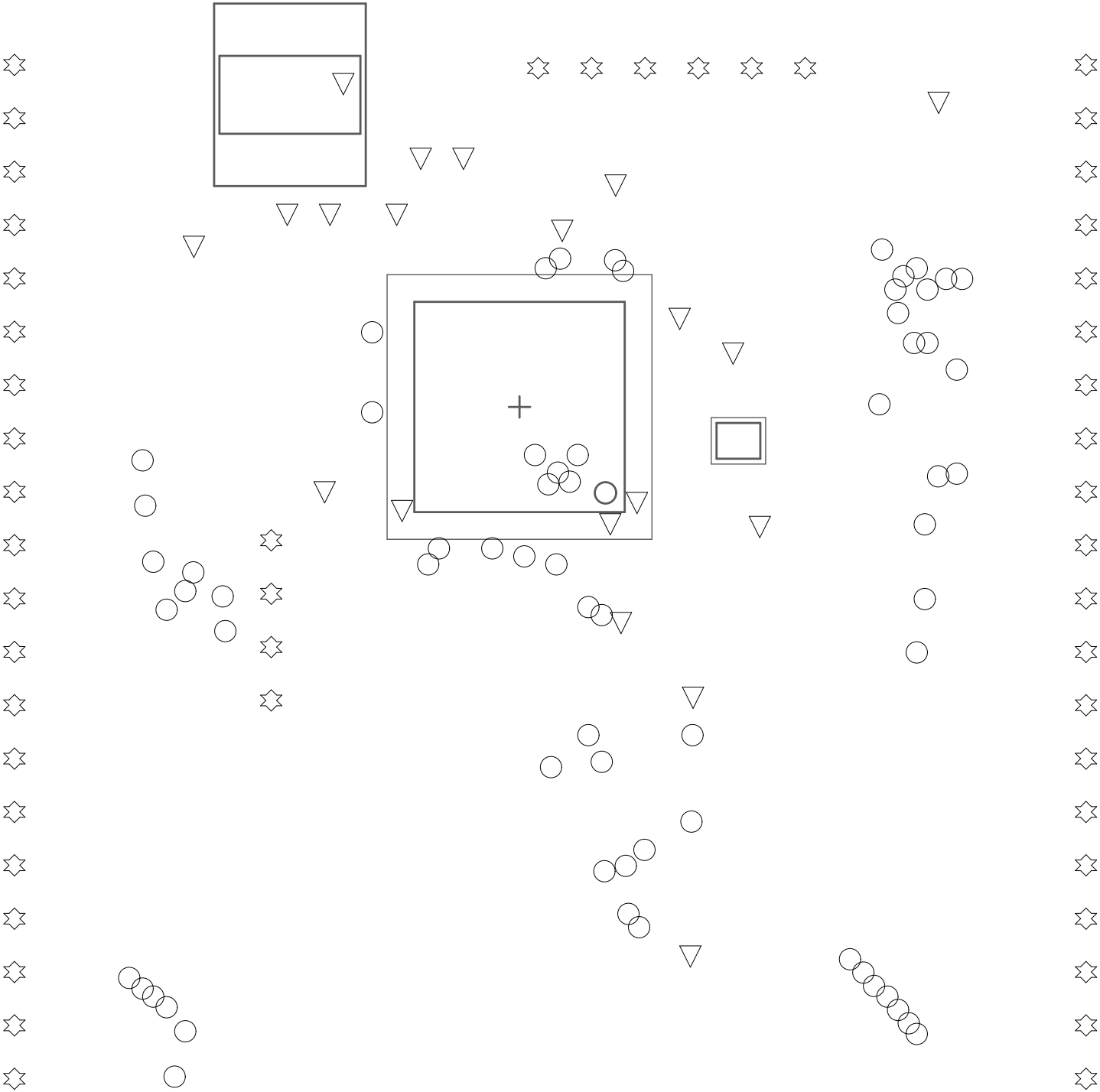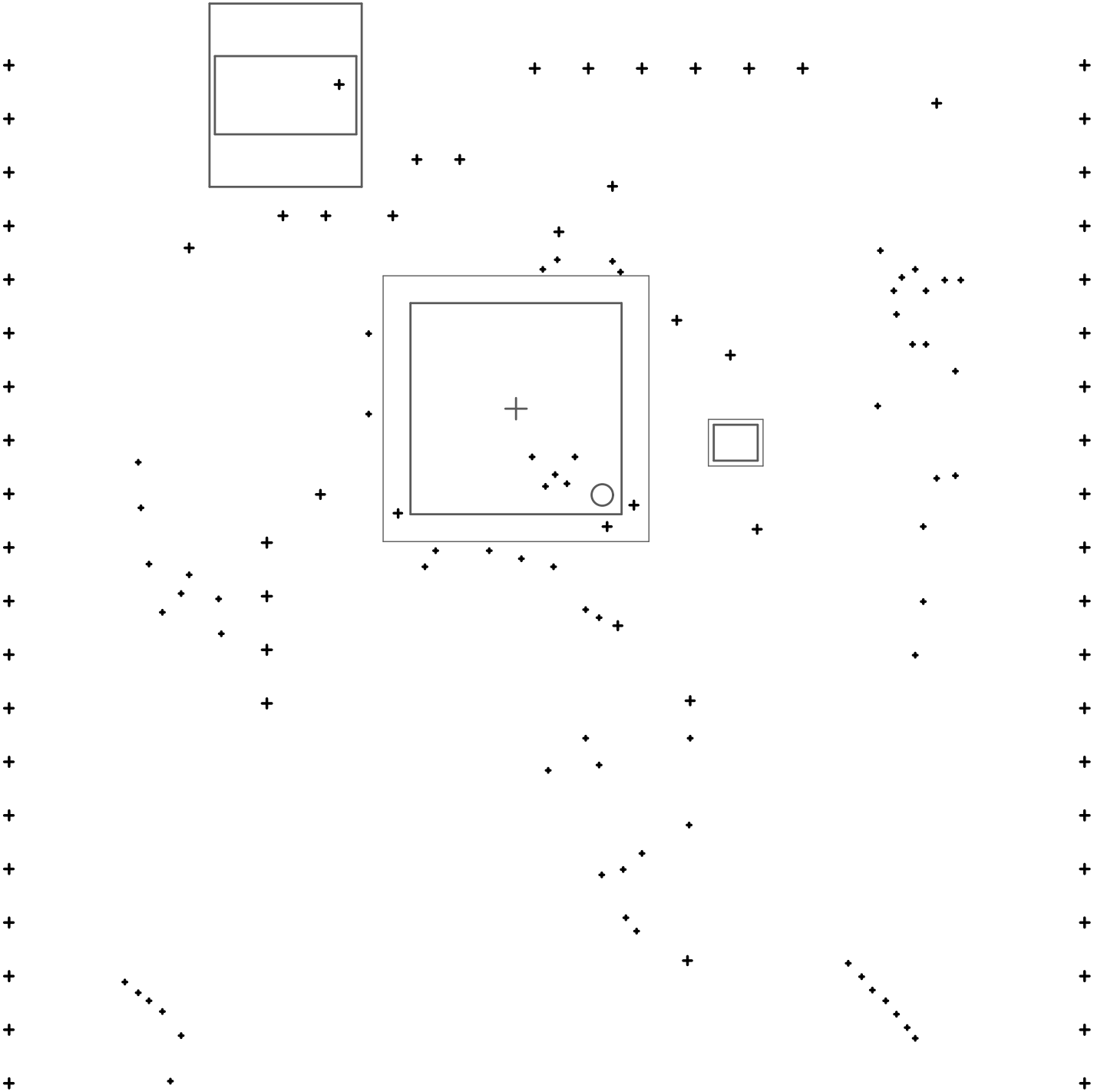
P2
C23
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R14
R13
R12
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R6
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R2
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C25
C26
C28
C27
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R36
R35
R34
R33
R32
R31
R30
R29
R28
R27
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R23
P5
P6