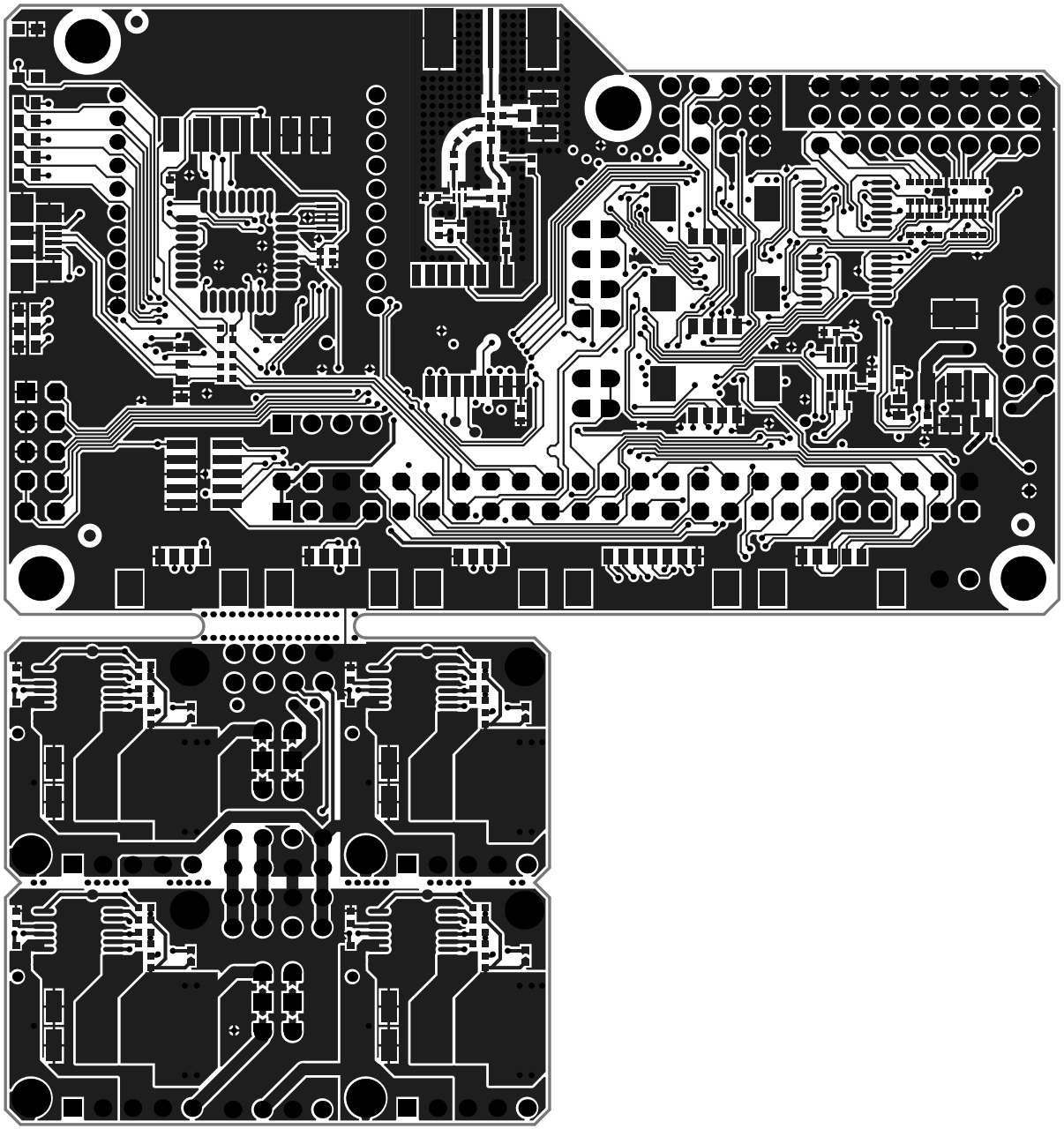
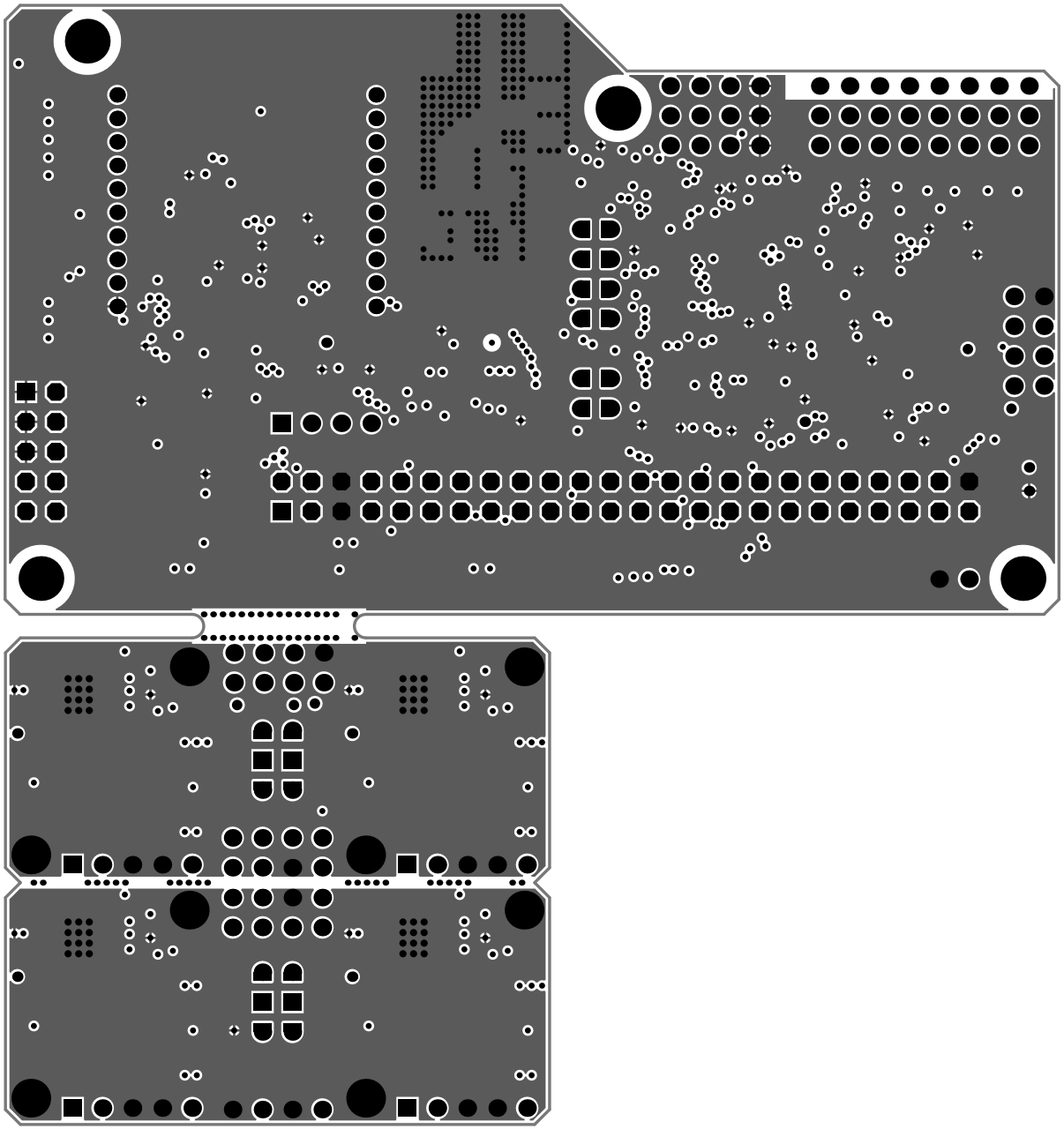
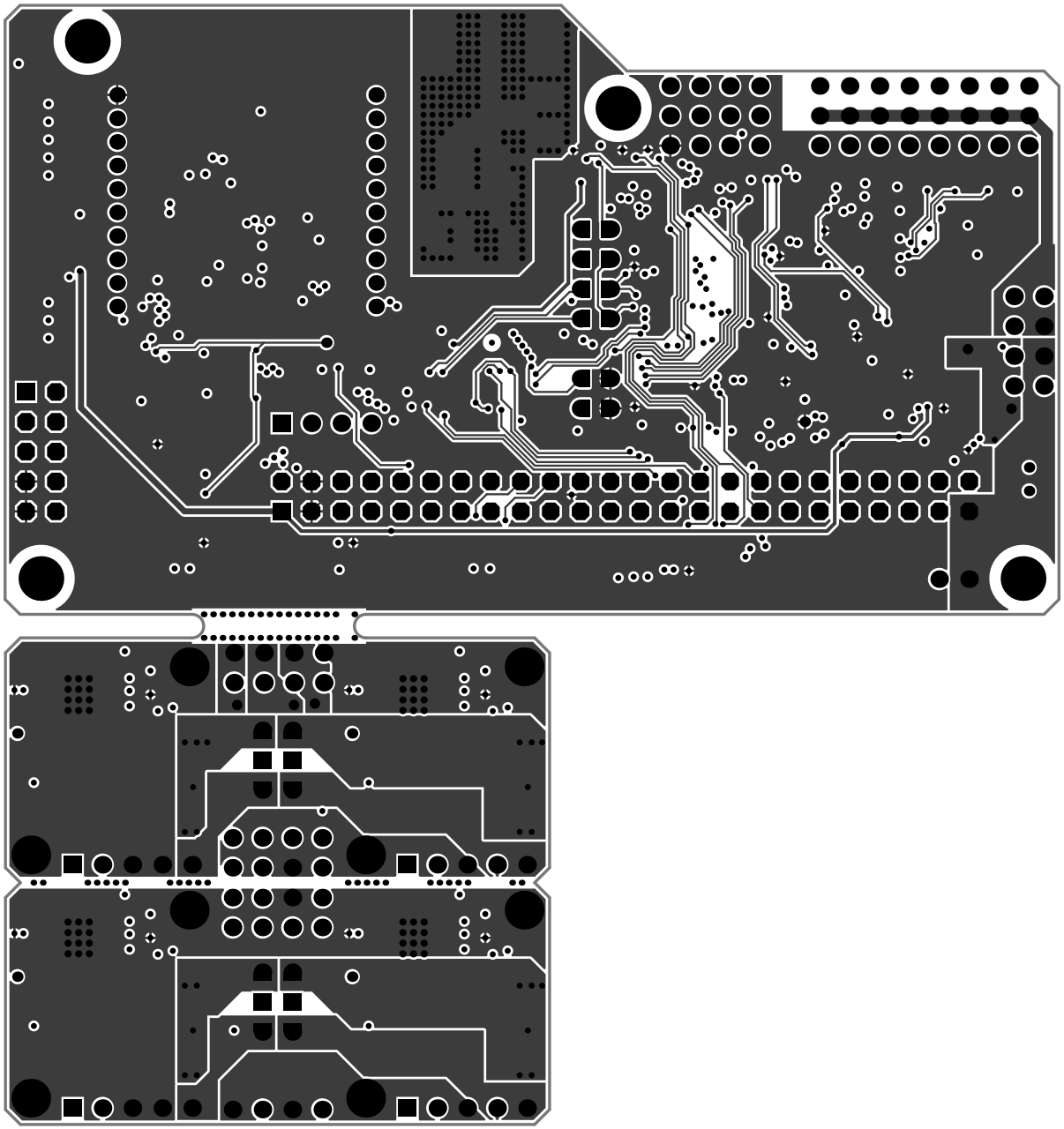
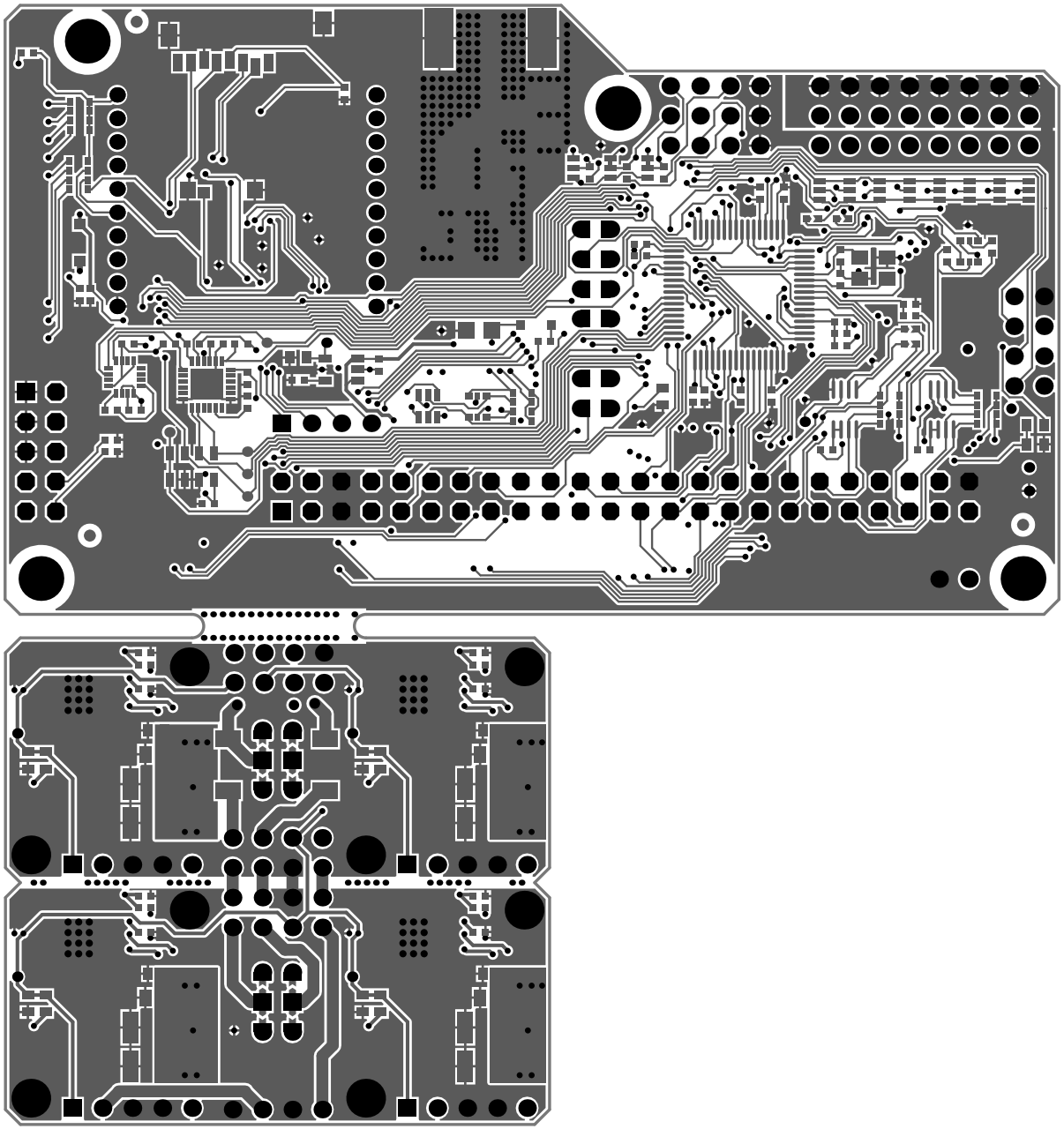
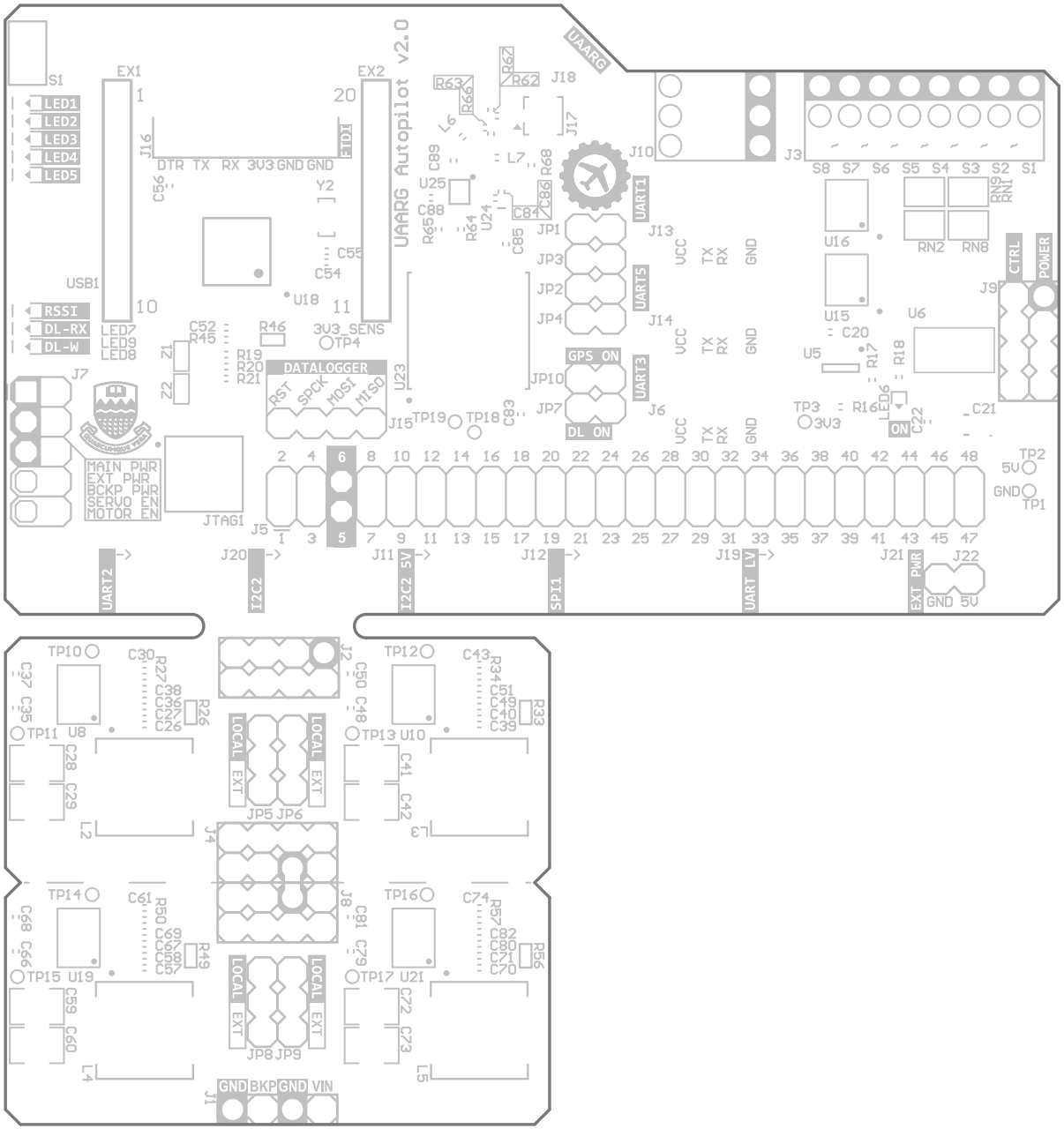


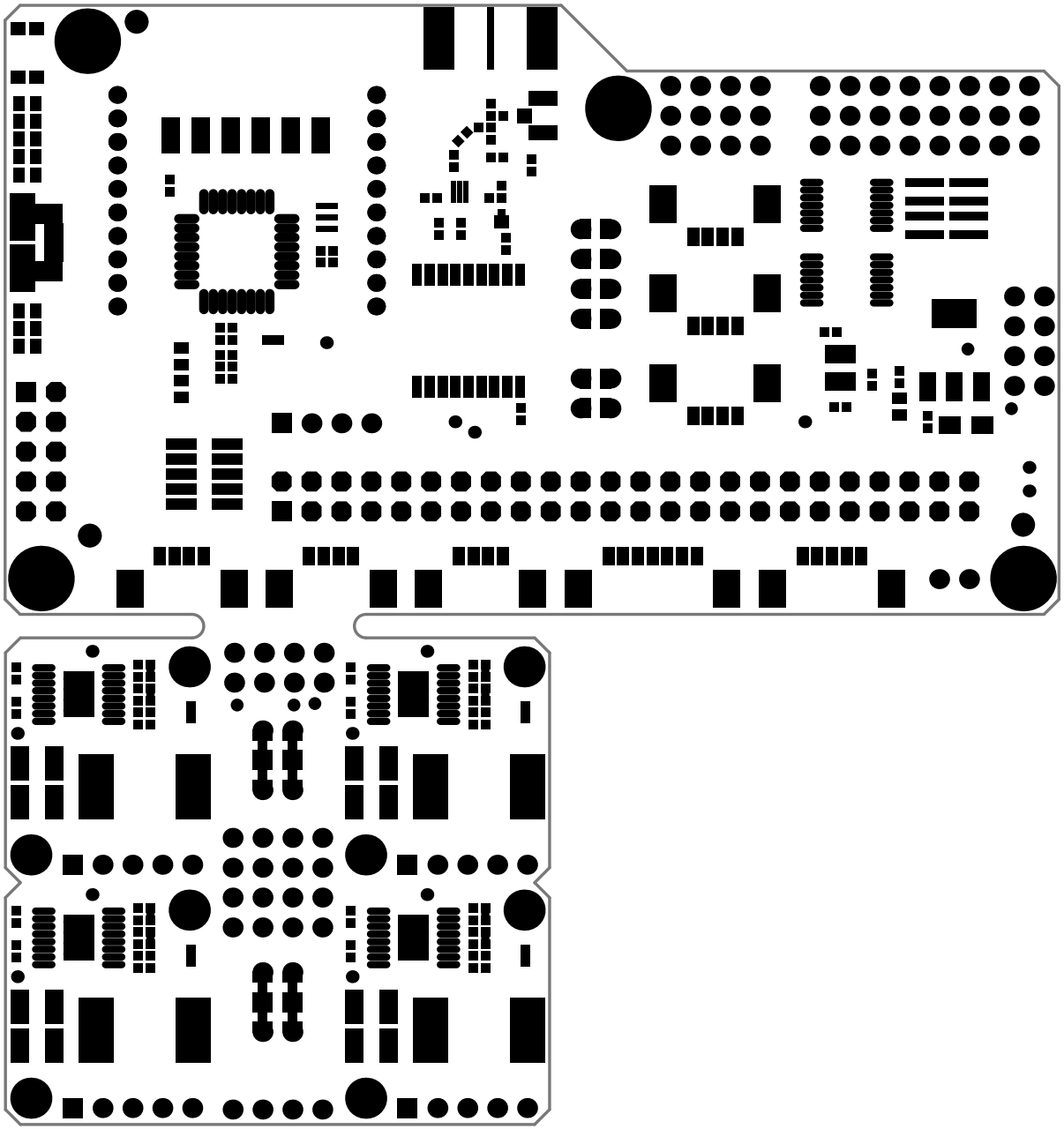


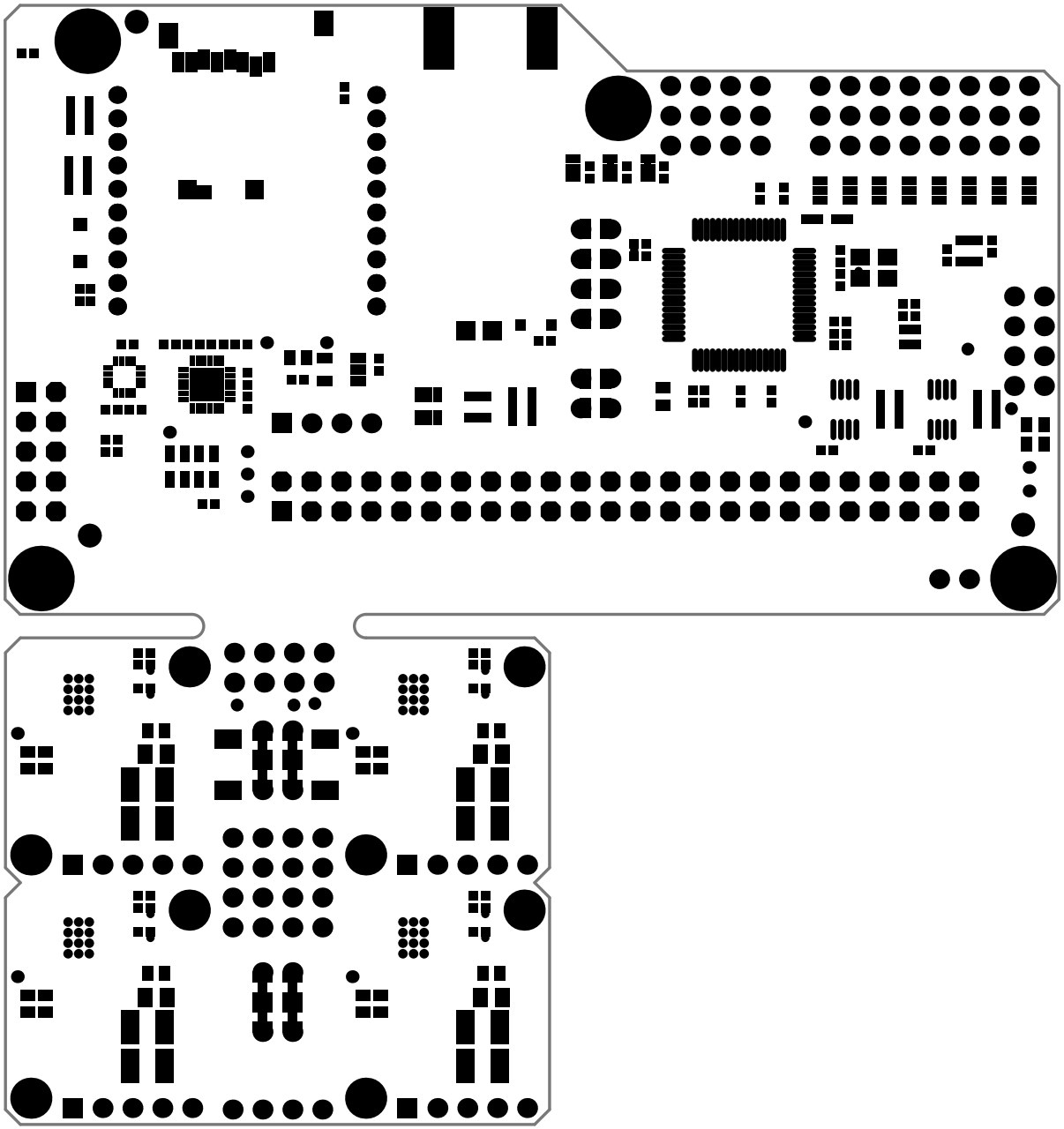


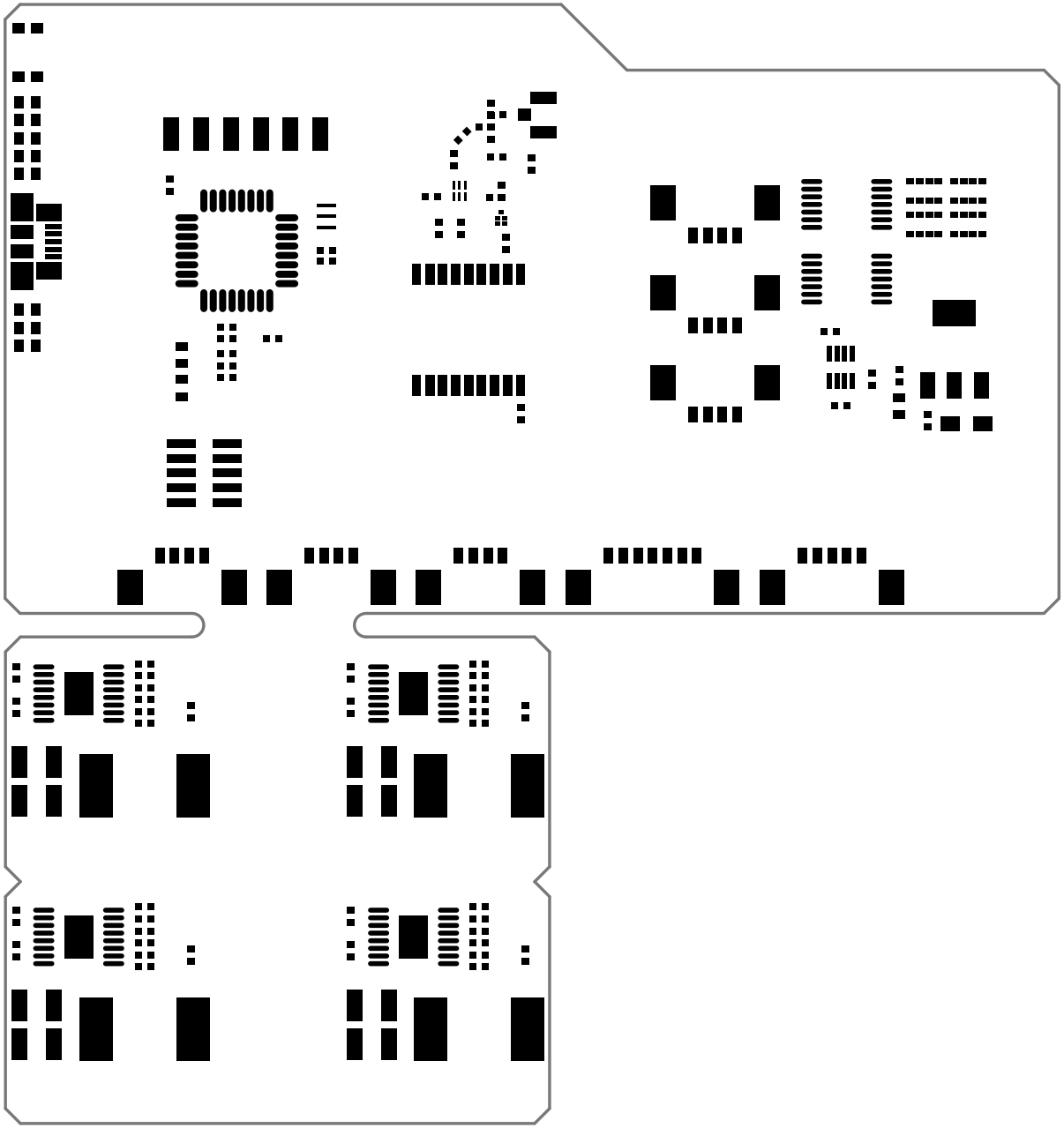


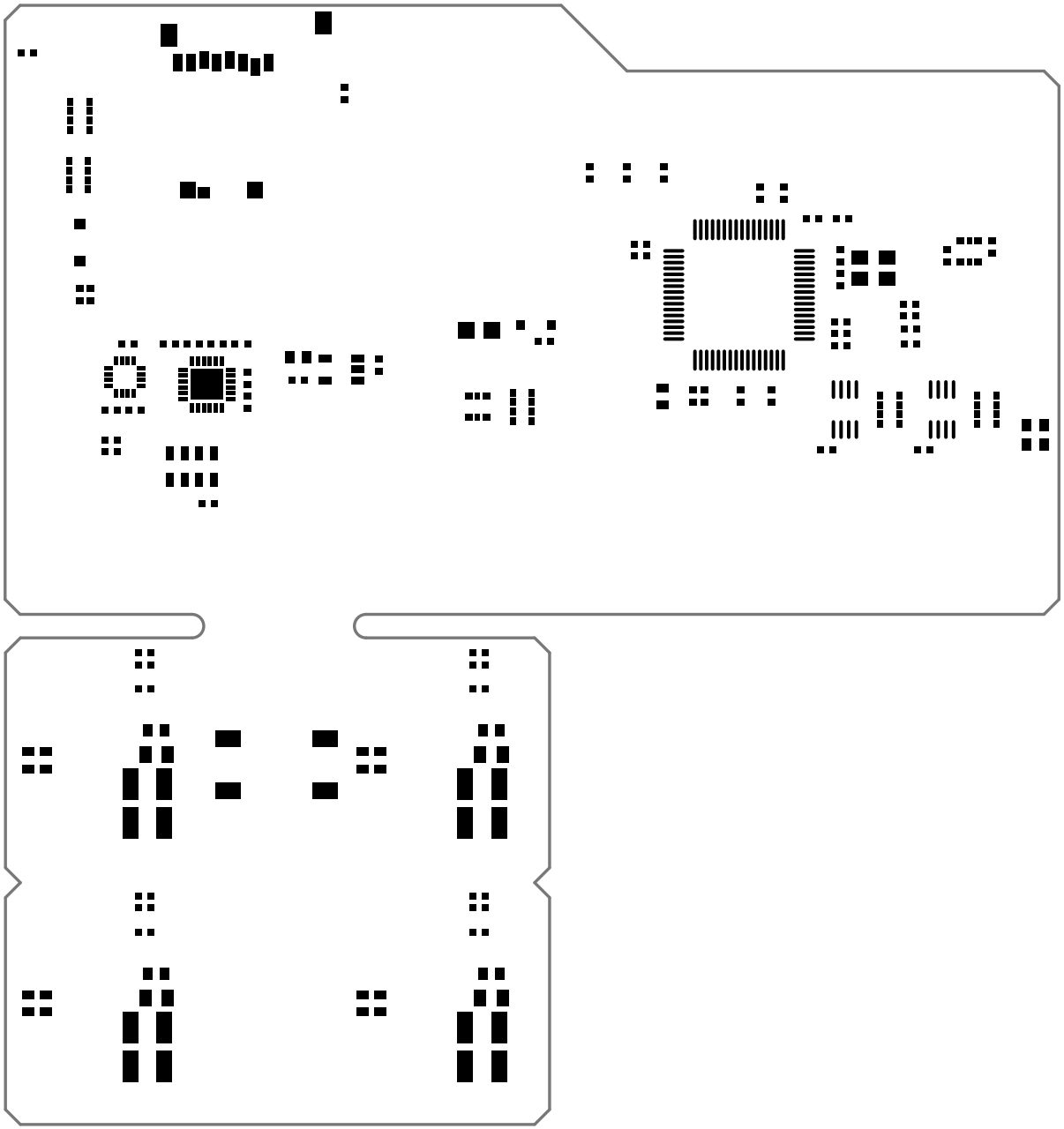

UAARG Autopilot v2.0
UAARG
S1
LED1
LED2
LED3
LED4
LED5
EX1
EX2
J16
DTR TX RX 3V3 GND GND
FTDI
Y2
C56
C55
C54
U18
USB1
RSSI
DL-RX
DL-W
LED7
LED9
LED8
C52
R45
R46
R19
R20
R21
3V3_SENS
TP4
DATALOGGER
RST SPCK MOSI MISO
J15
TP19
TP18
U23
J7
MAIN PWR
EXT PWR
BCKP PWR
SERVO EN
MOTOR EN
JTAG1
J5
UART2
J20
I2C2
J11
I2C2 5V
J12
SPI1
J19
UART LV
J21
EXT PWR
J22
GND 5V
TP2
5V
GND
TP1
R63
R66
R67
R62
J18
J17
L6
L7
R68
C89
U25
C88
R65
R64
U24
C86
C84
C85
C83
JP1
JP3
JP2
JP4
JP10
JP7
UART1
UART5
UART3
GPS ON
DL ON
J13
J14
J6
VCC TX RX GND
J10
J3
S8 S7 S6 S5 S4 S3 S2 S1
U16
U15
RN9
RN1
RN2
RN8
CTRL
POWER
J9
U6
C20
U5
R17
R18
TP3
3V3
R16
LED6
ON
C22
C21
TP10
C30
R27
C37
C35
TP11
U8
C38
C36
C27
C26
R26
C28
C29
L2
J2
C50
C48
LOCAL
EXT
JP5 JP6
J4
TP12
C43
R34
C51
C49
C40
C39
R33
TP13
U10
C41
C42
L3
TP14
C61
R50
C68
C66
TP15
U19
C69
C67
C58
C57
R49
C59
C60
L4
J8
C81
C79
TP16
C74
R57
C82
C80
C71
C70
R56
TP17
U21
C72
C73
L5
JP8 JP9
J1
GND BKP GND VIN

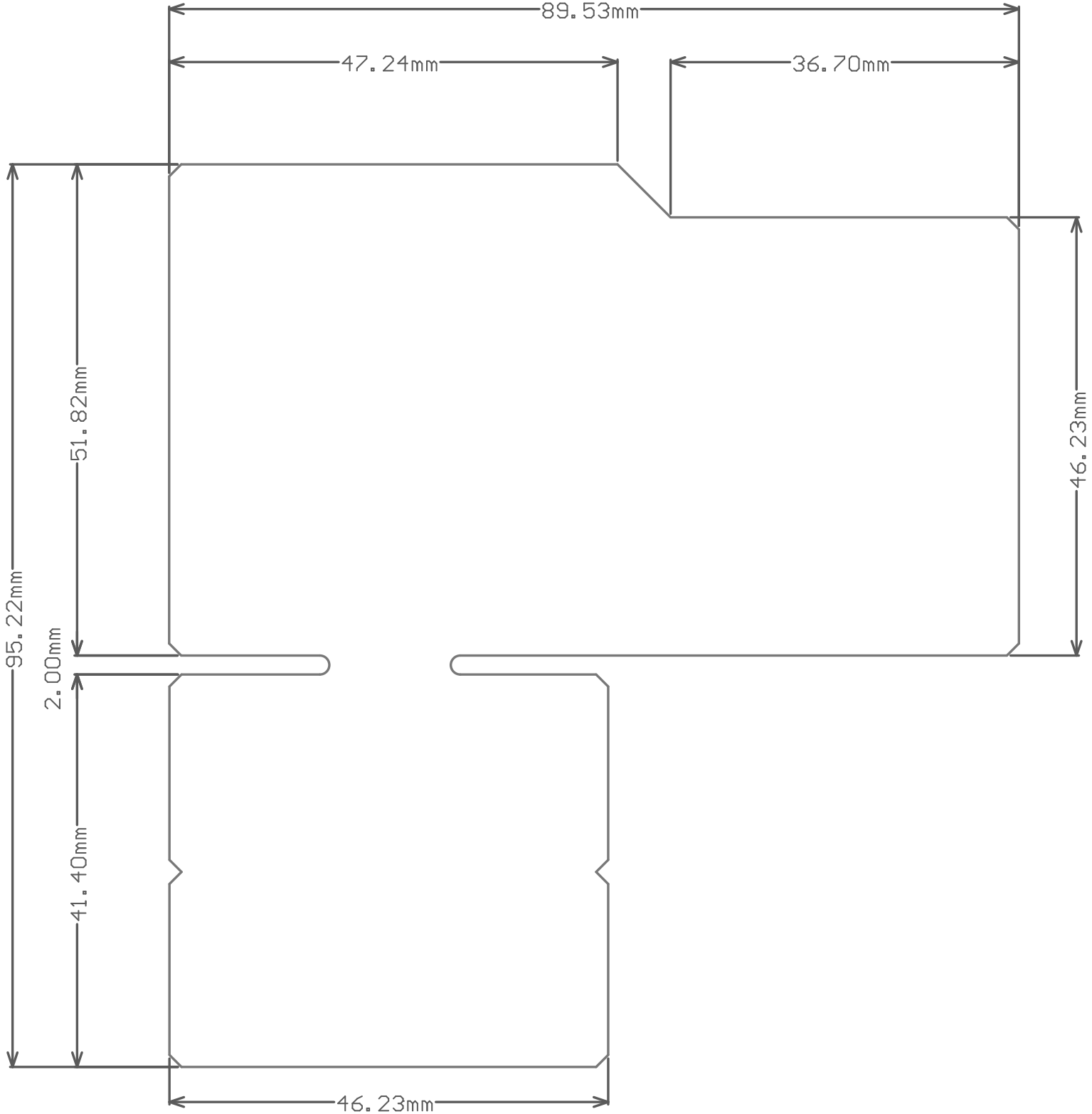
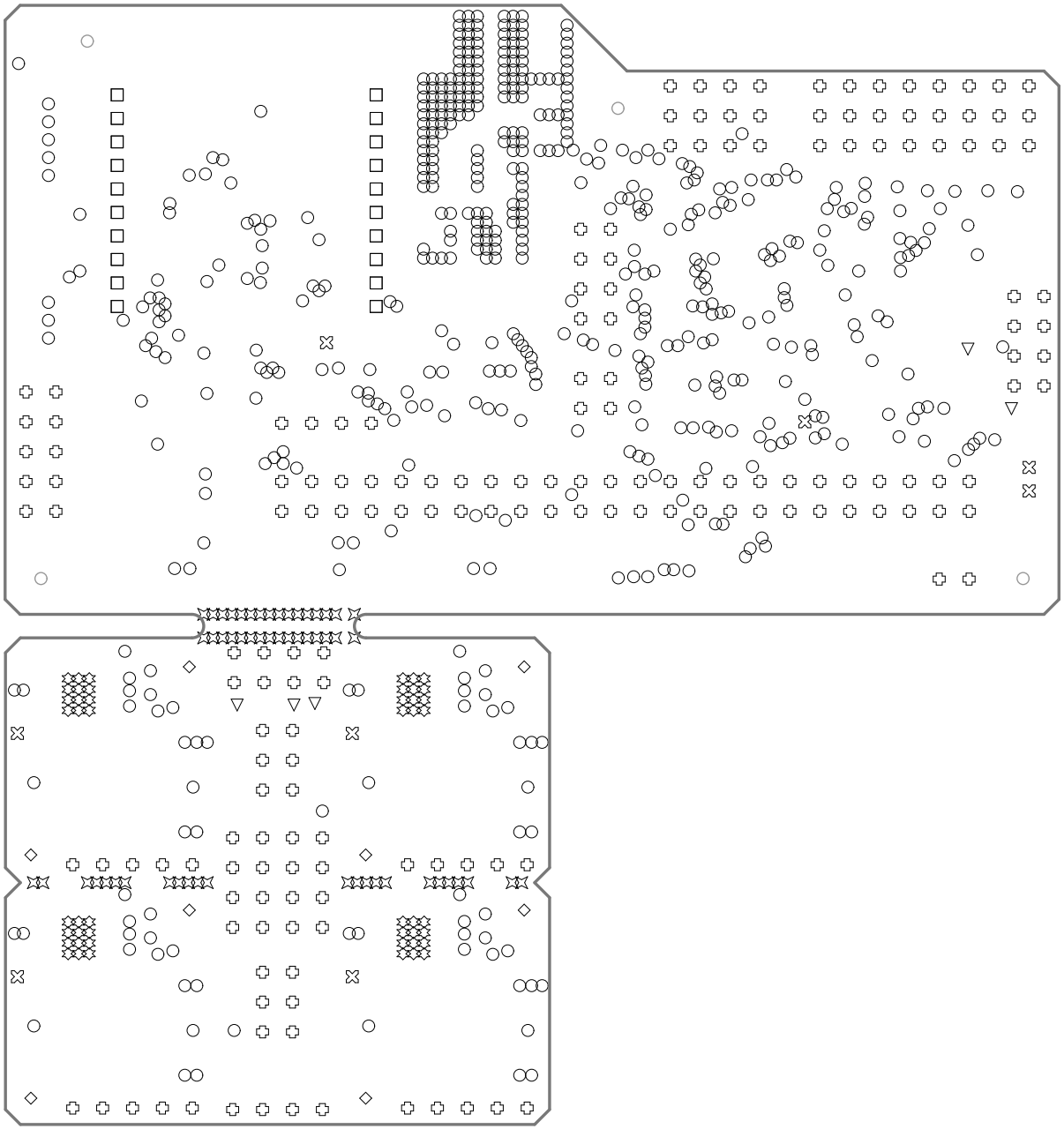
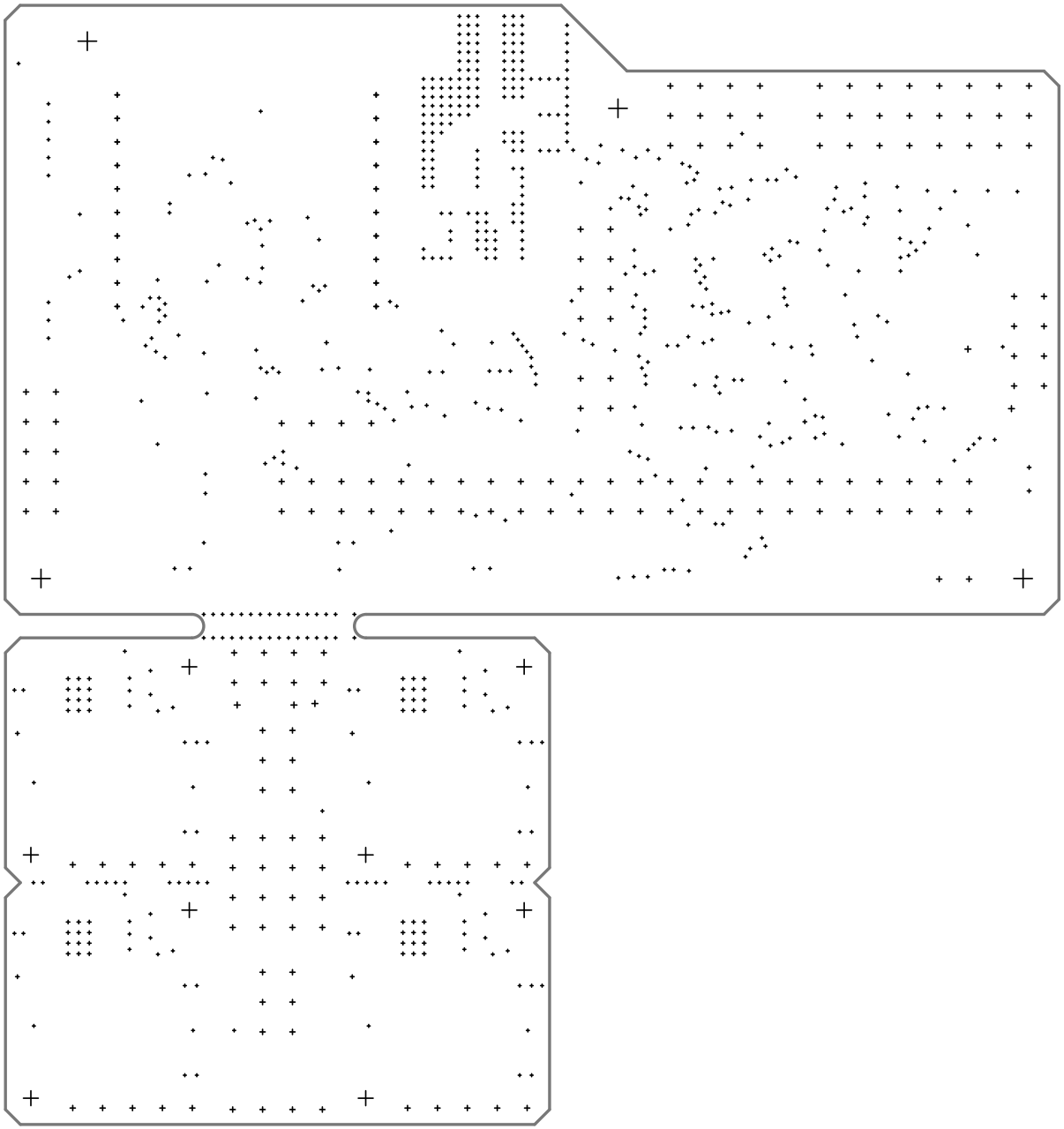
UAVAR Autopilot v0.7
ACC/GYRO
COMPASS
UNIVERSITY OF ALBERTA
Designed by: Eng. Jorge Marin
University of Alberta Aerial Robotics Group










89.53mm
47.24mm
36.70mm
95.22mm
51.82mm
2.00mm
41.40mm
46.23mm
46.23mm