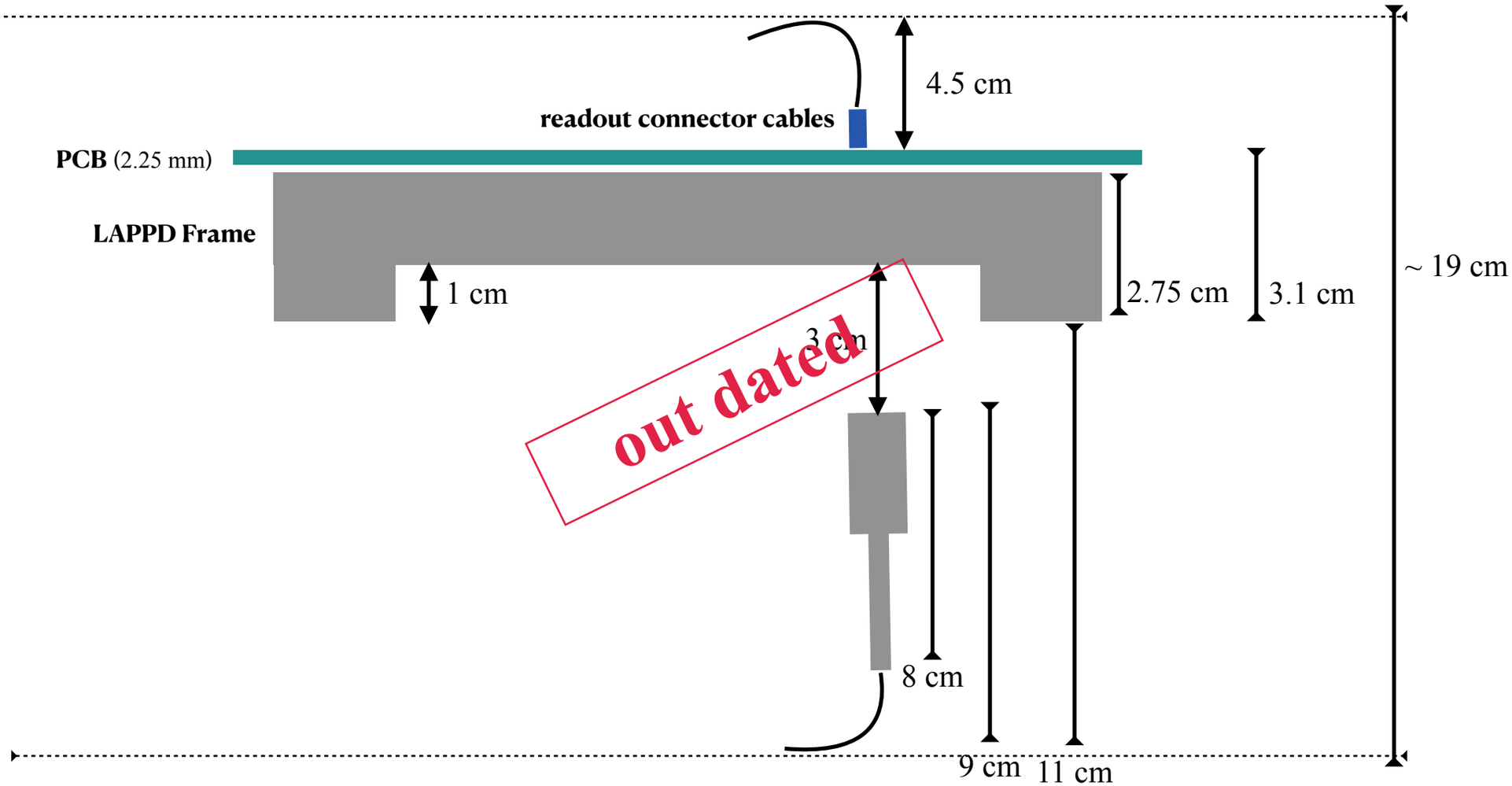
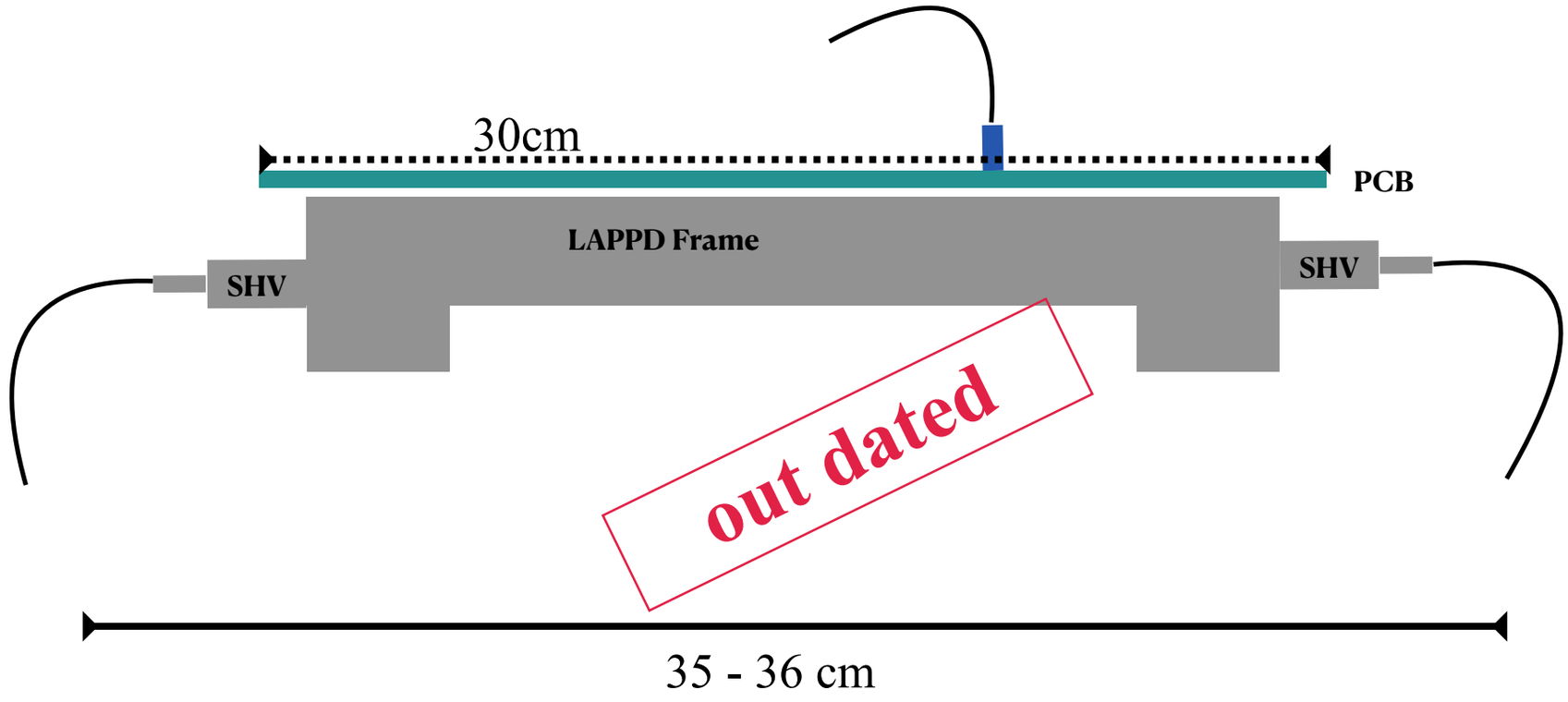
cross-section: Top

NOT TO SCALE

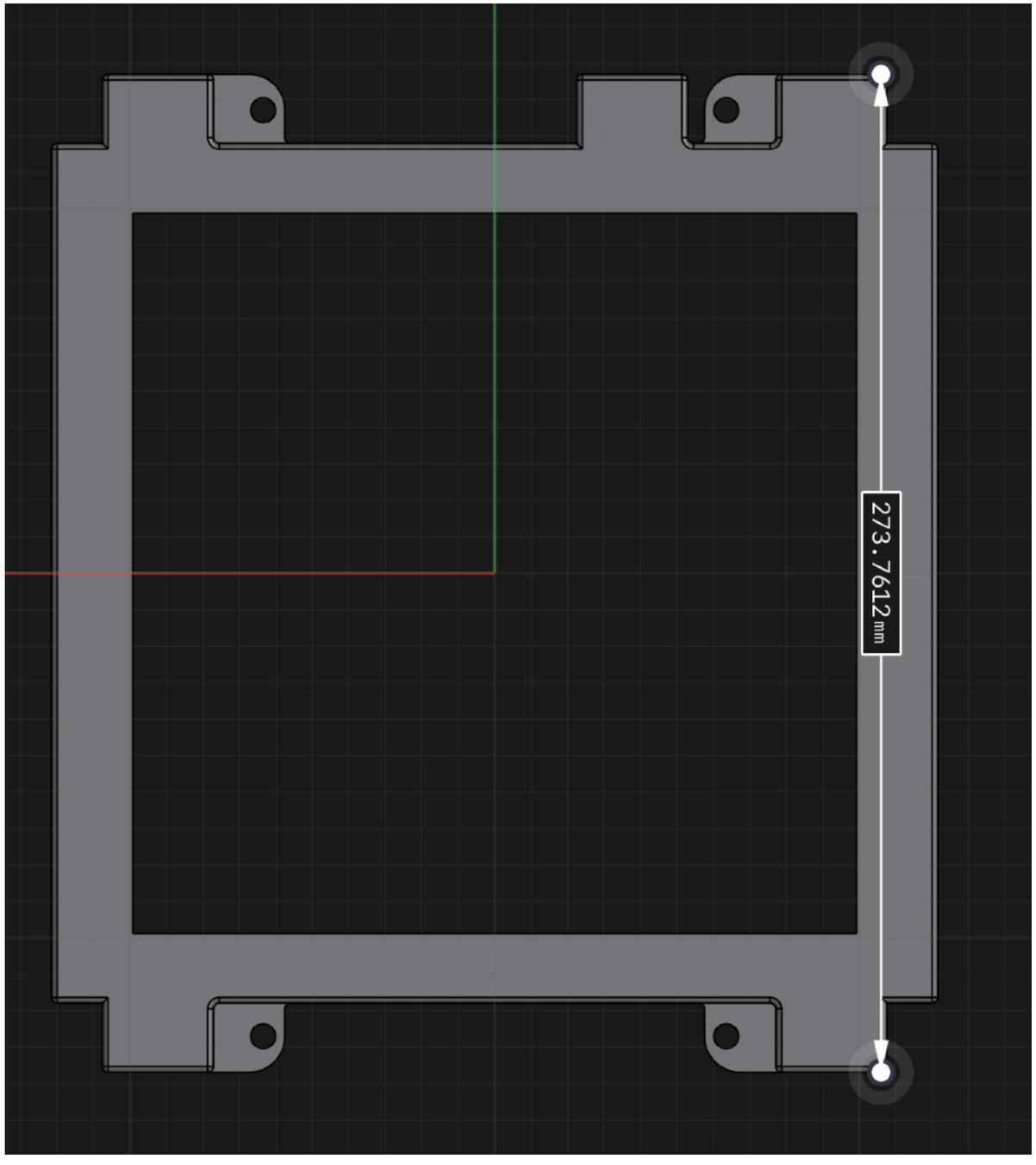


cross-section: Top

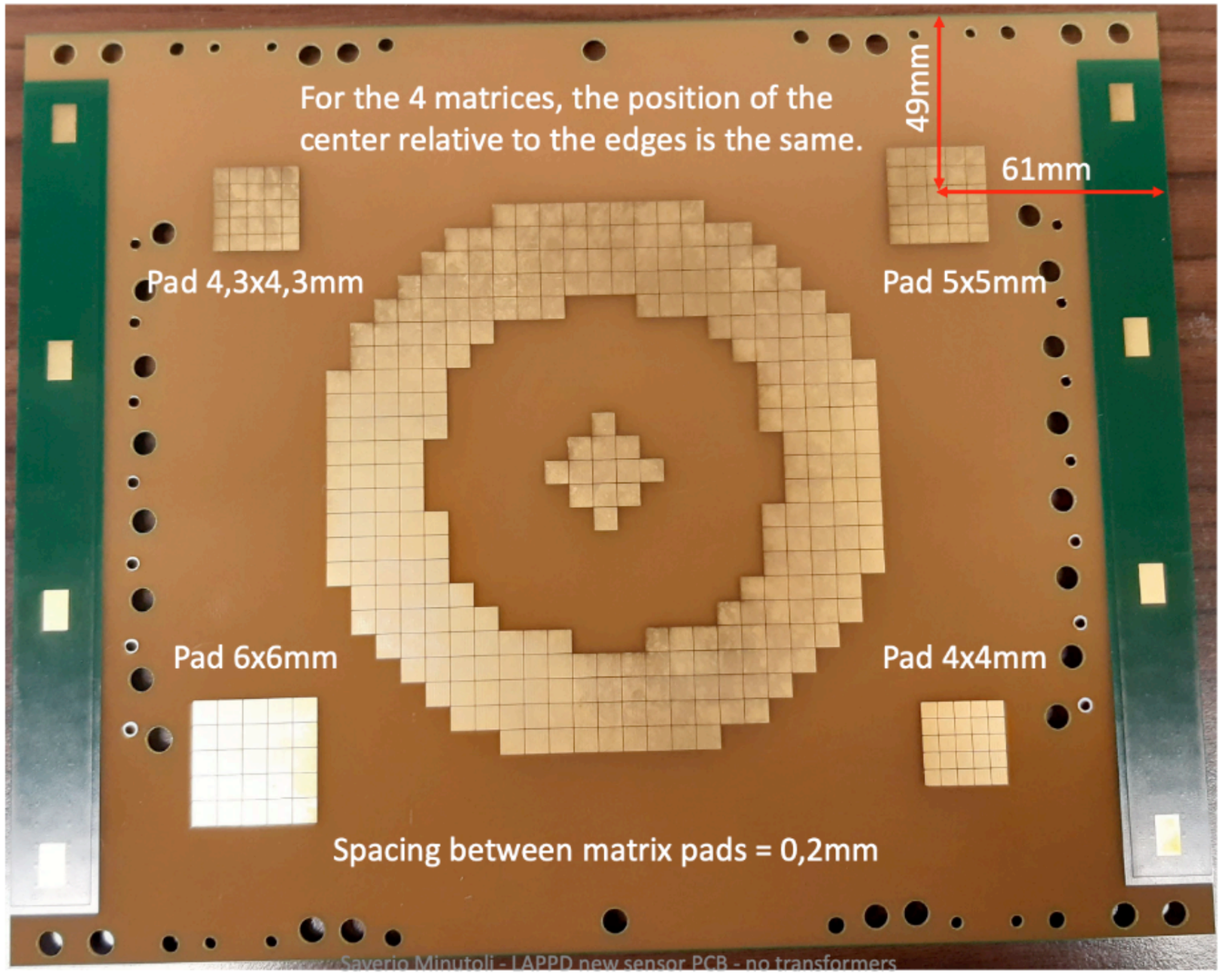
NOT TO SCALE



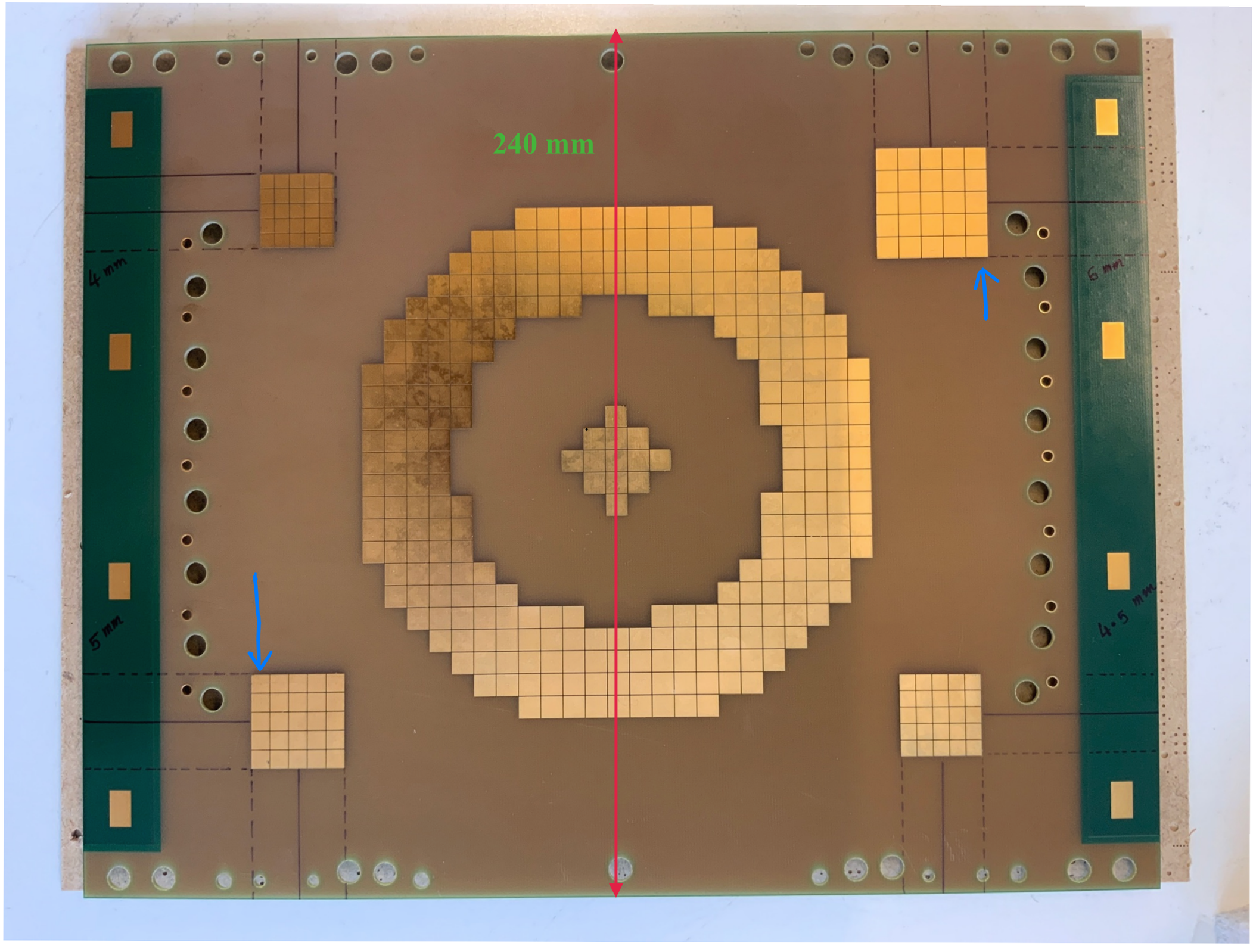
cross-section: Top [window facing]



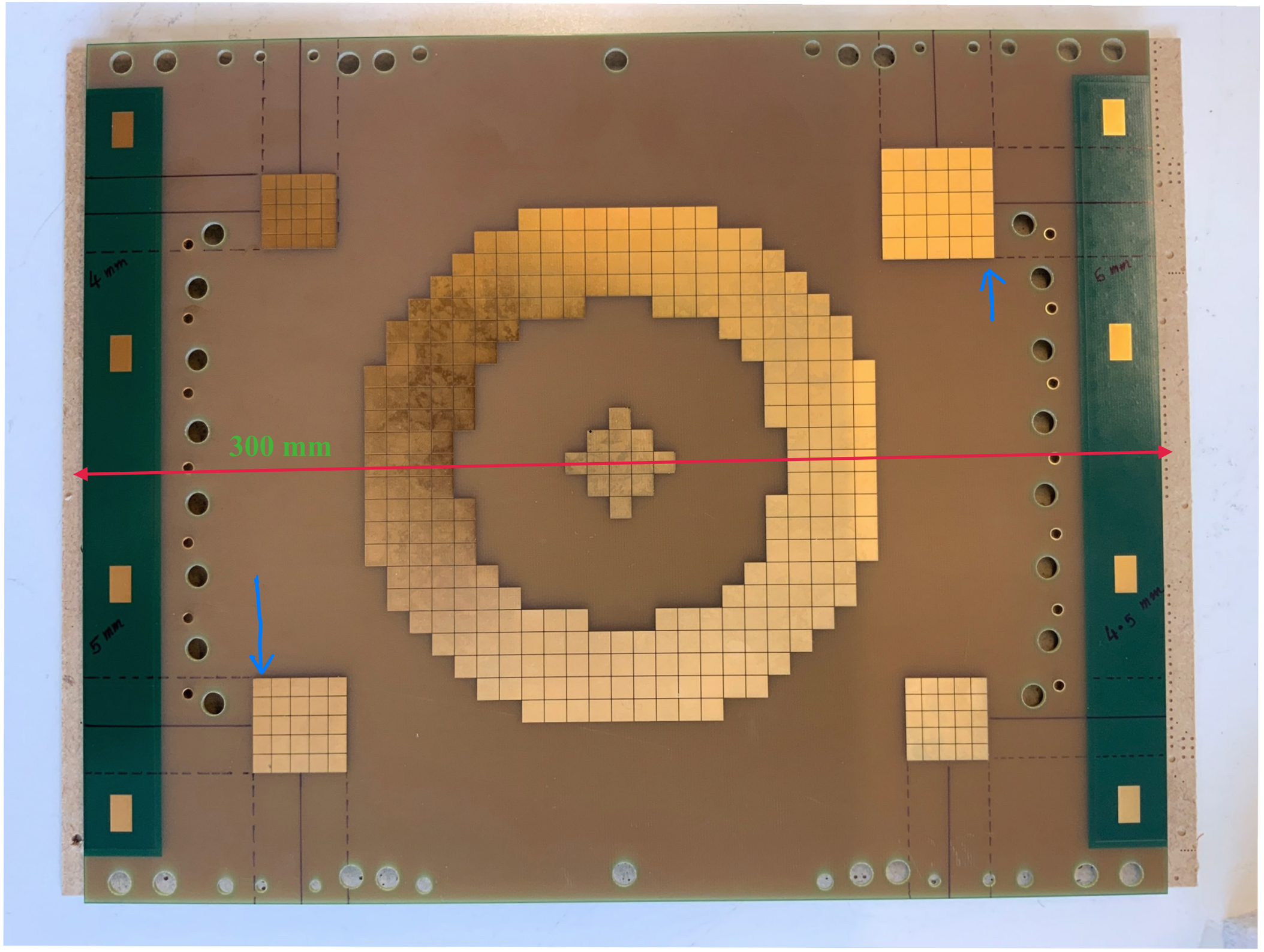
height: 27.5 cm


For the 4 matrices, the position of the center relative to the edges is the same.
49mm
61mm
Pad 4,3x4,3mm
Pad 5x5mm
Pad 6x6mm
Pad 4x4mm
Spacing between matrix pads = 0,2mm
Saverio Minutoli - LAPPD new sensor PCB - no transformers

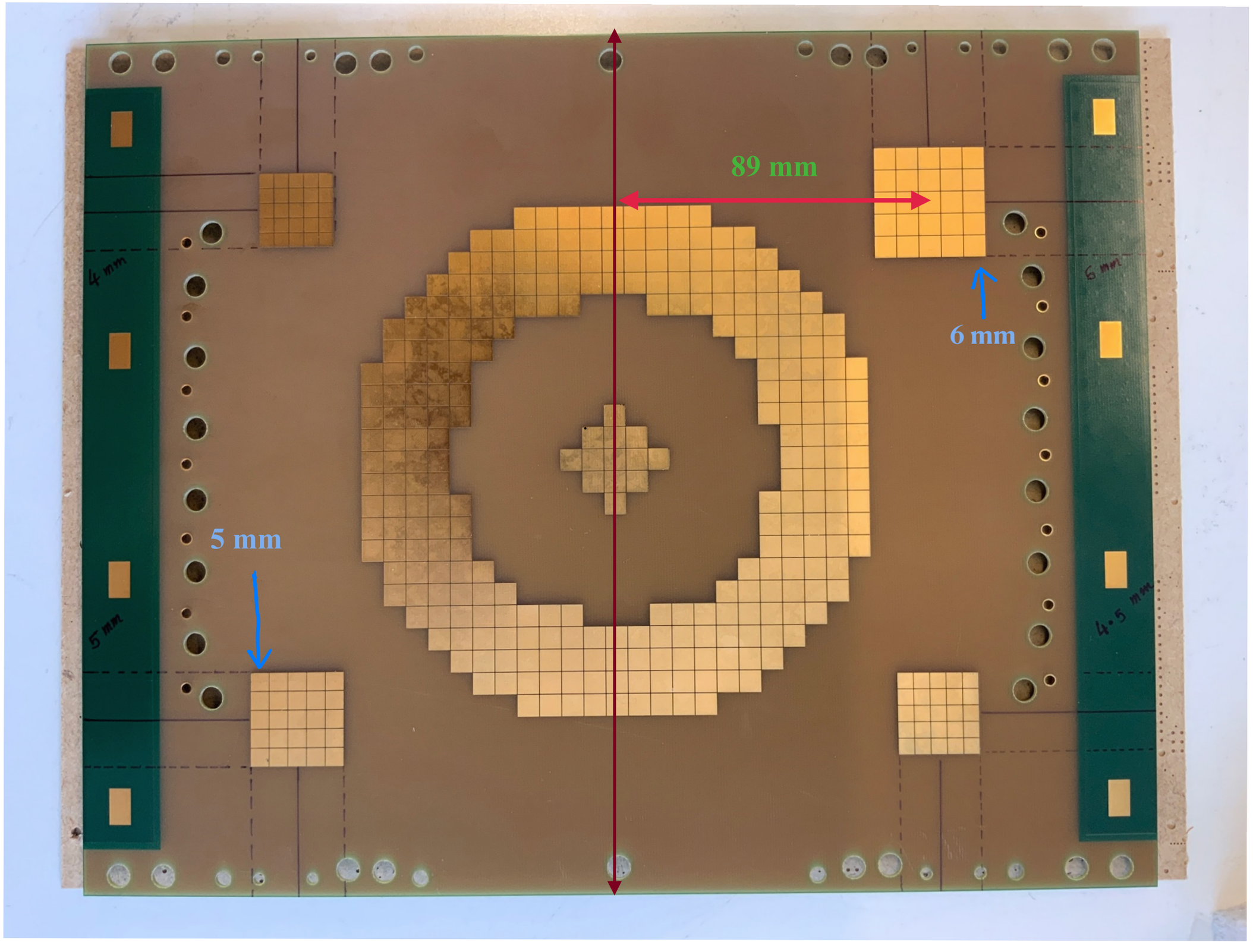
facing window:
LASER position

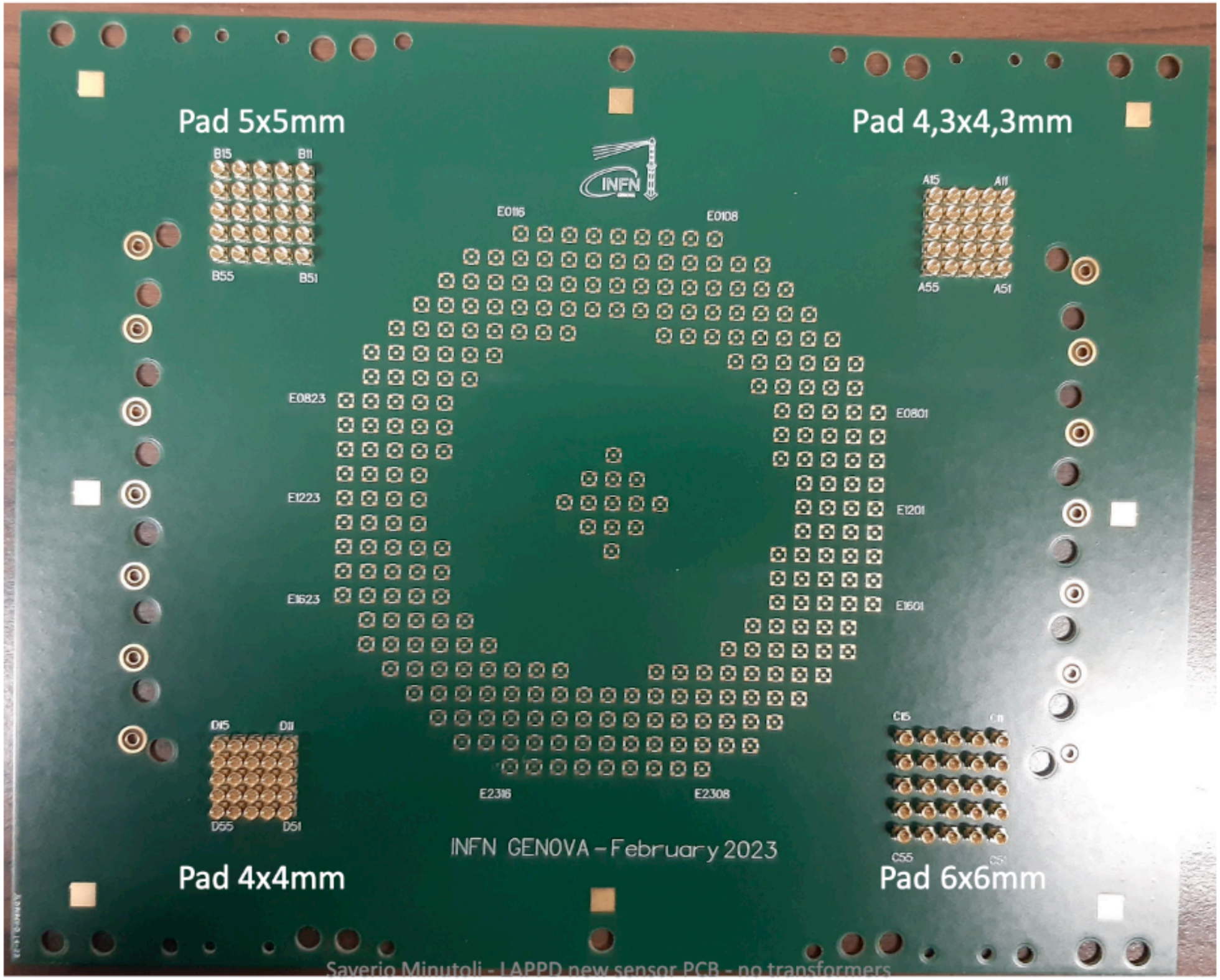


facing window:
LASER position



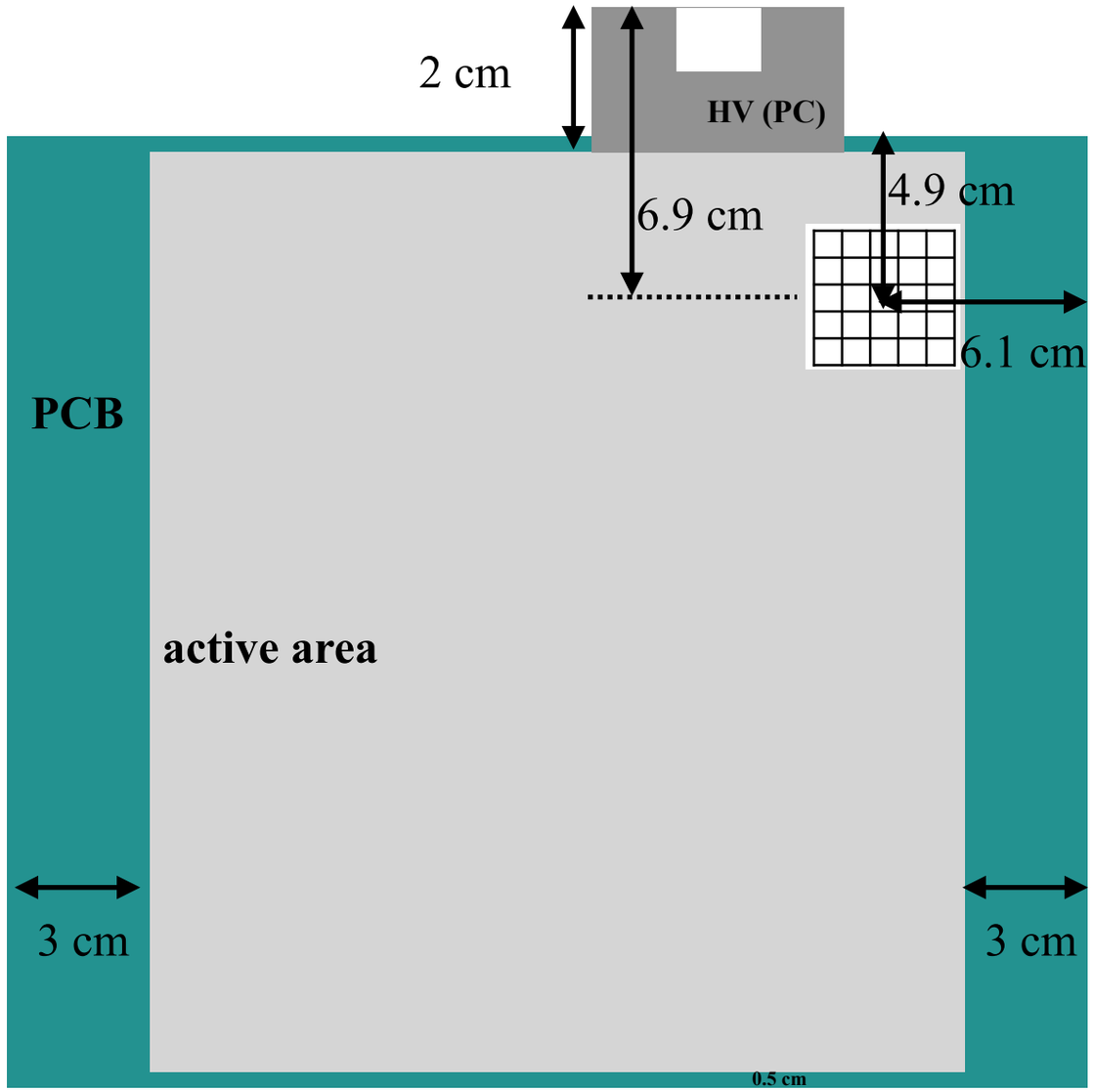
facing window:
LASER position



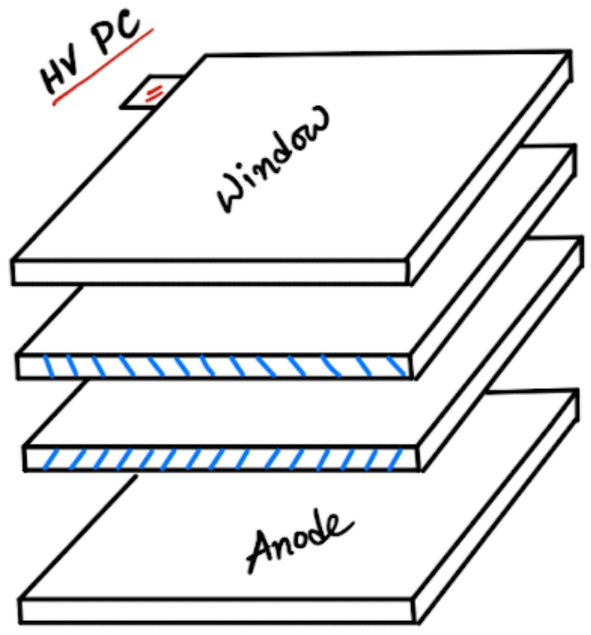

Pad 5x5mm
B15
B11
B55
B51
Pad 4,3x4,3mm
A15
A11
A55
A51
INFN
E0116
E0108
E0823
E0801
E1223
E1201
E1623
E1601
E2316
E2308
D15
D11
D55
D51
INFN GENOVA - February 2023
Pad 4x4mm
C15
C11
C55
C51
Pad 6x6mm

position of the 6X6 mm pads

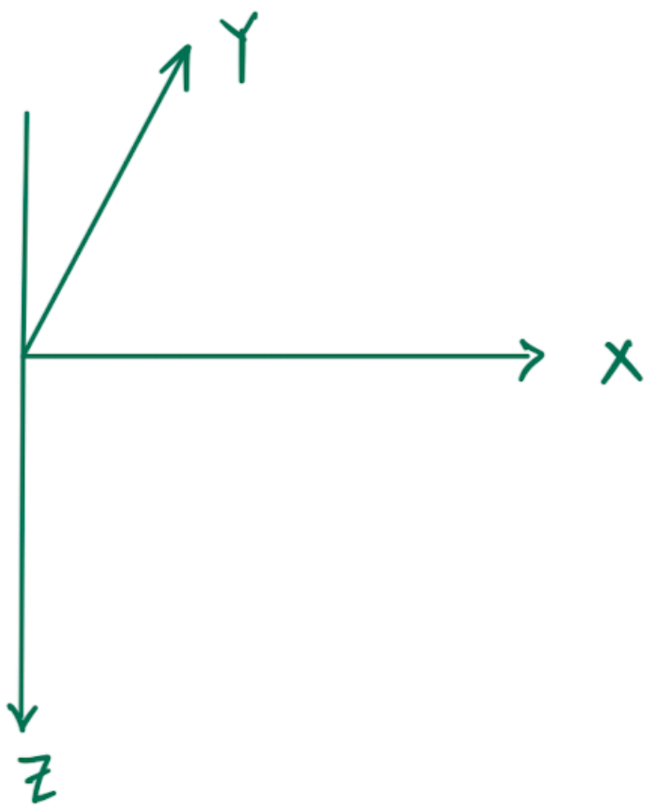
NOT TO SCALE



Orientation of the MCP-pores



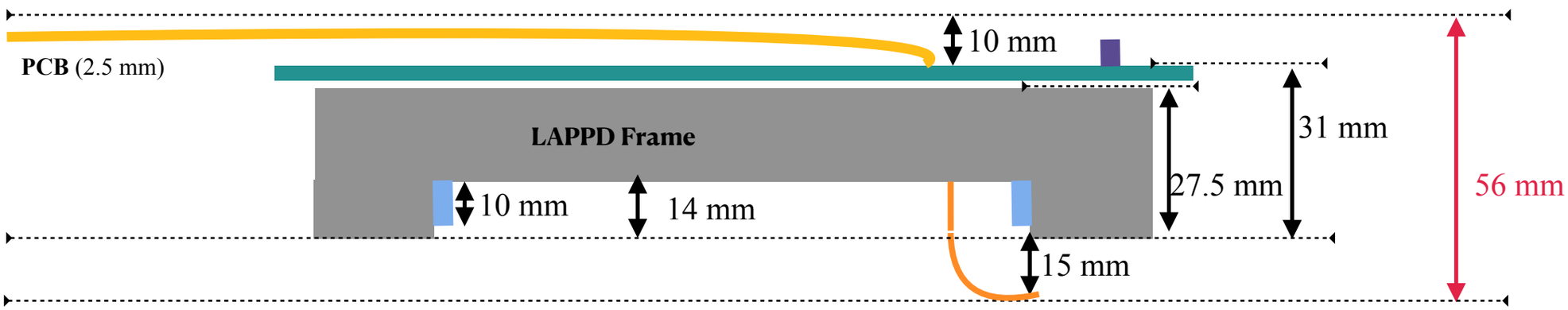
bias angle = 13°



For a new dark box to work with bare fibre, touching the window

NOT TO SCALE

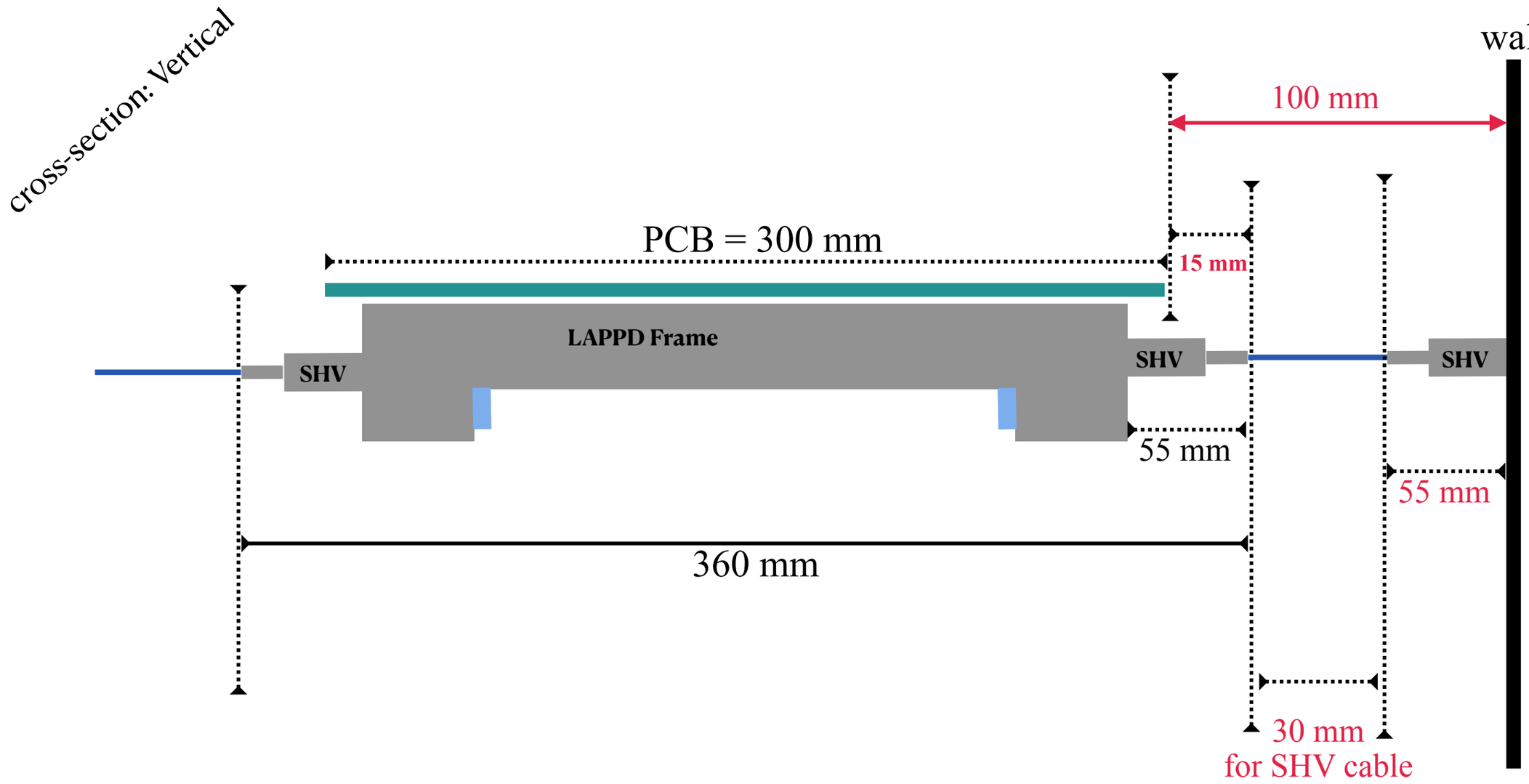
cross-section: Vertical



The SHV cable for PC can also fit in the 15 mm gap

The PCB is mounted to the frame with 5 mm screw

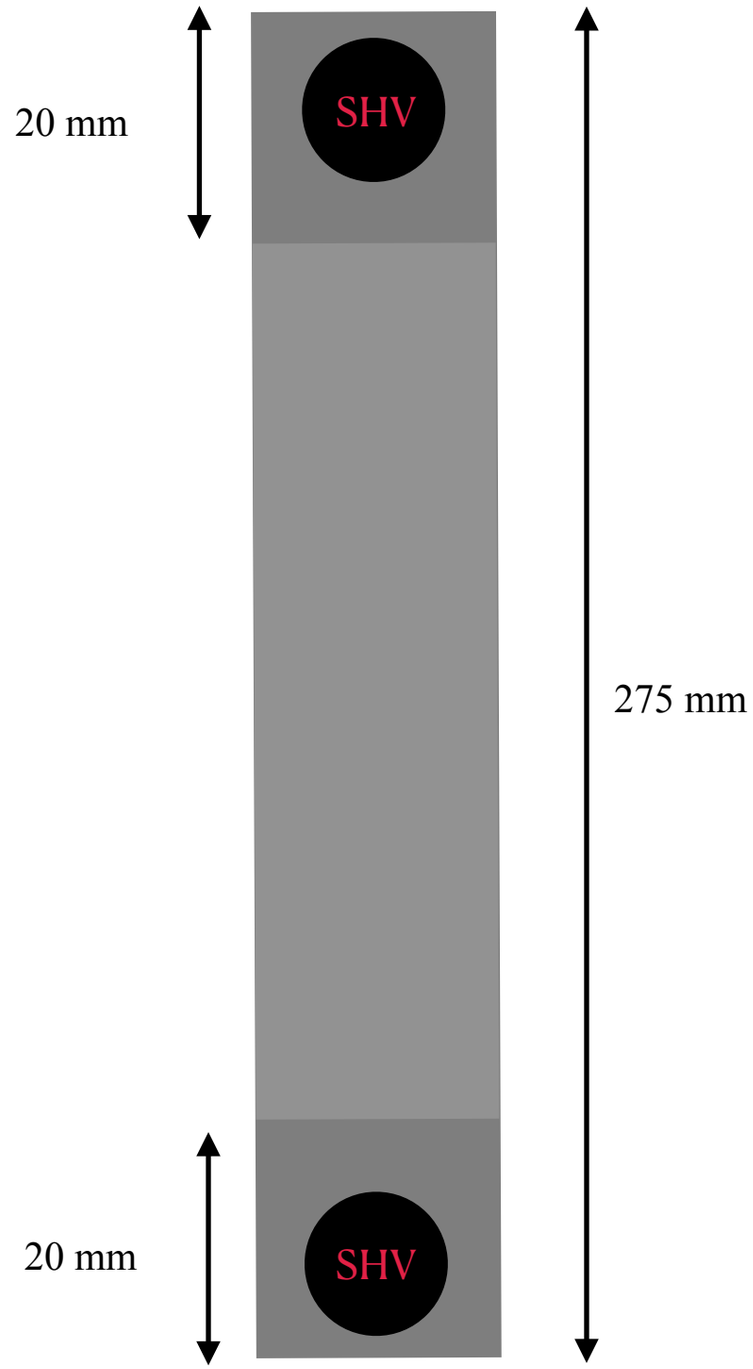
NOT TO SCALE



along the lateral side = 300 + (2*100) = 500 mm.

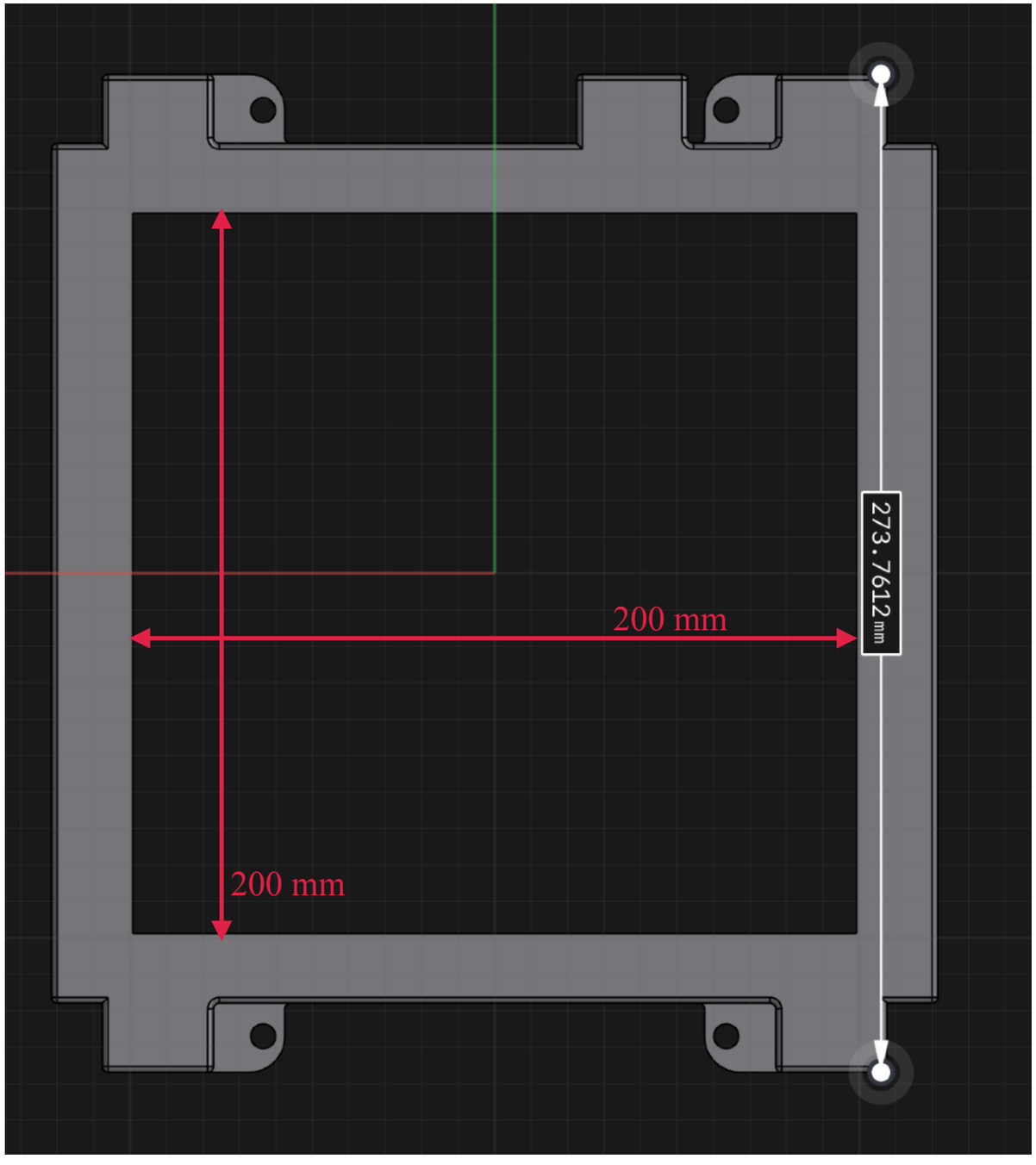
20 mm SHV feedthrough on the wall
15 mm SMA feedthrough on the wall

cross-section: Lateral



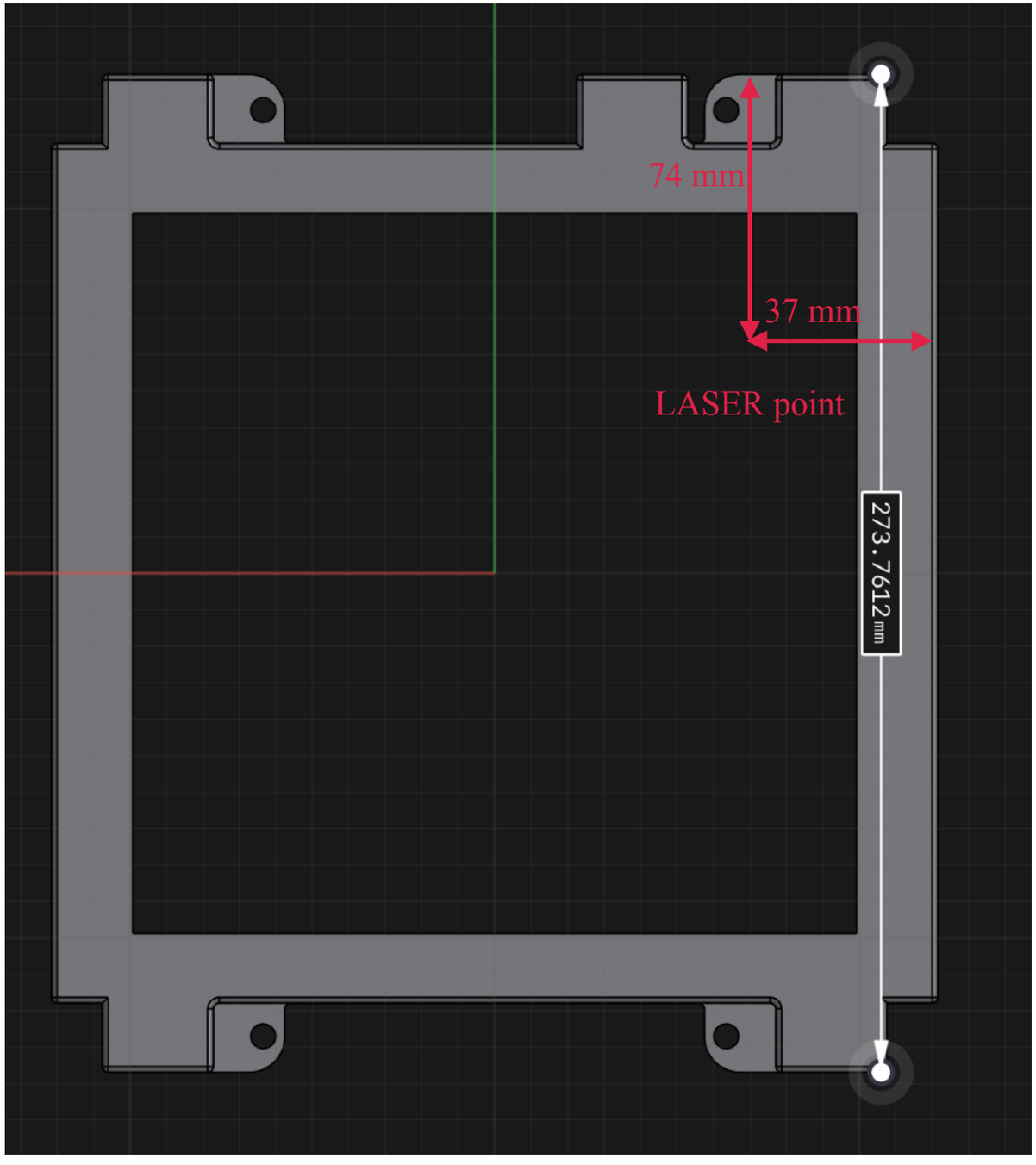
cross-section: Top [window facing]

height: 275 mm to 280 mm



cross-section: Top [window facing]

Position of the centre of the 3 X 3 pad matrix where the LASER should hit

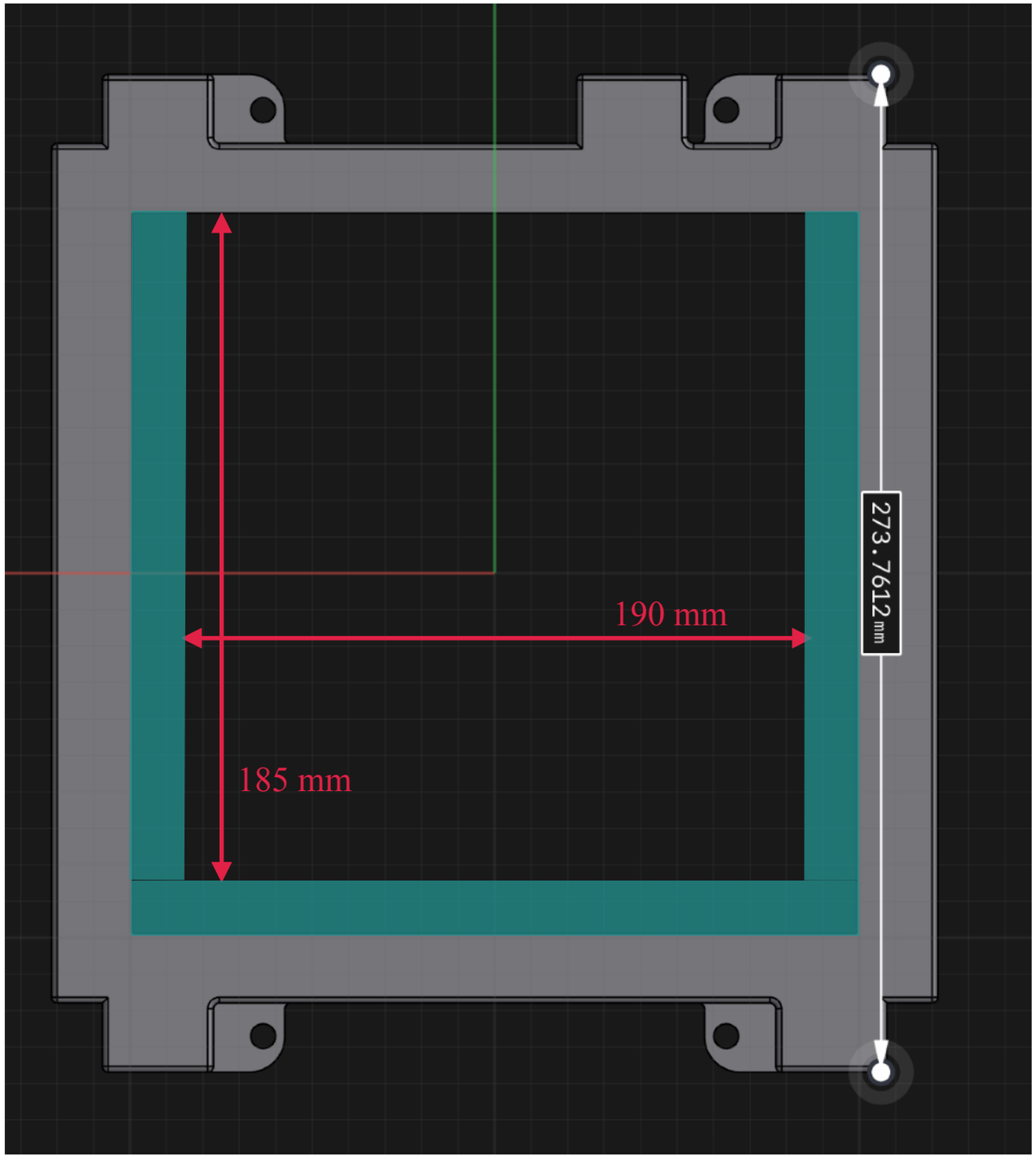


this measure is approximate

cross-section: Top [window facing]

NOT TO SCALE

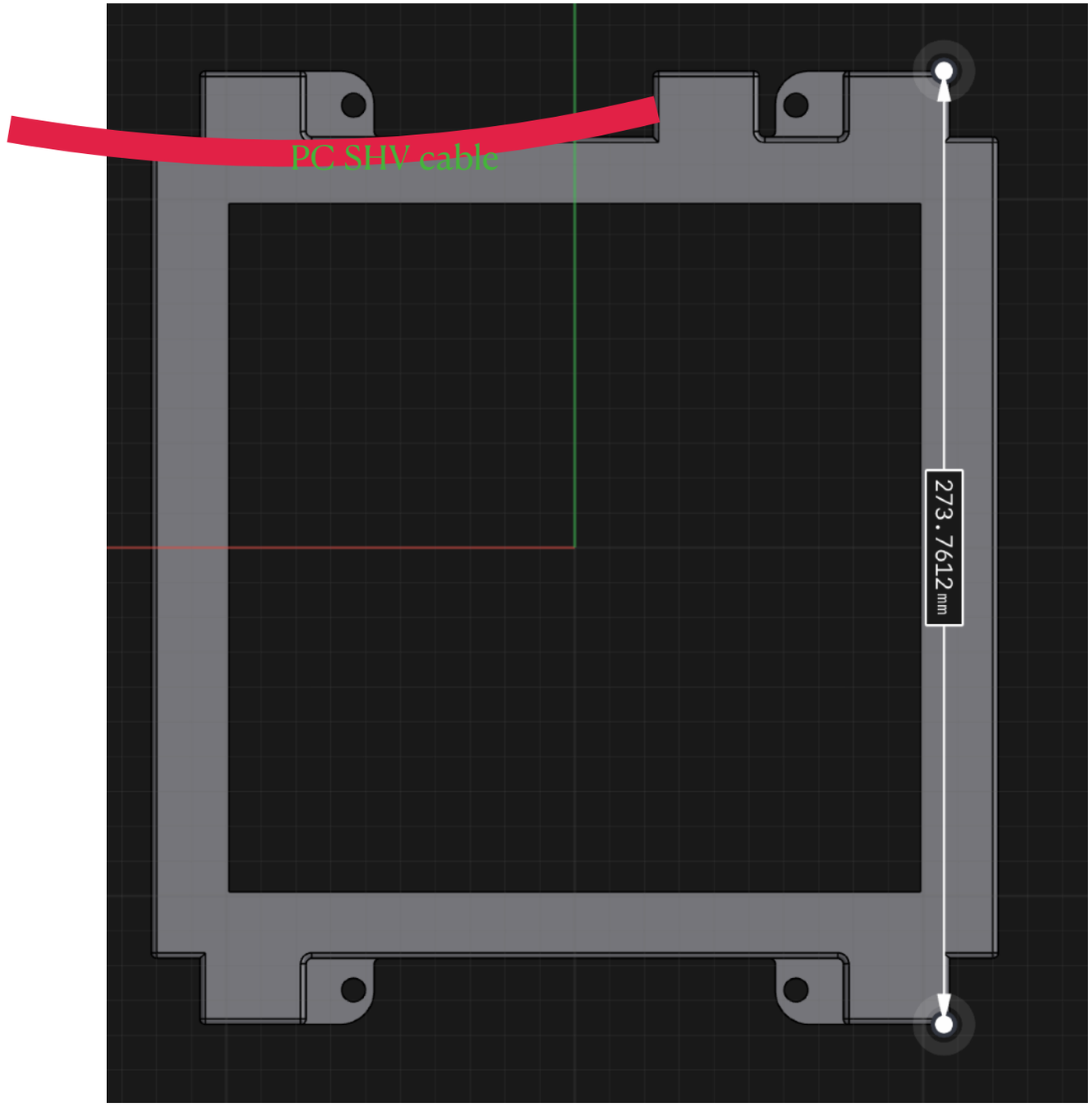
The additional support frame placed by us



height: 275 mm

cross-section: Top [window facing]

NOT TO SCALE



height: 275 mm