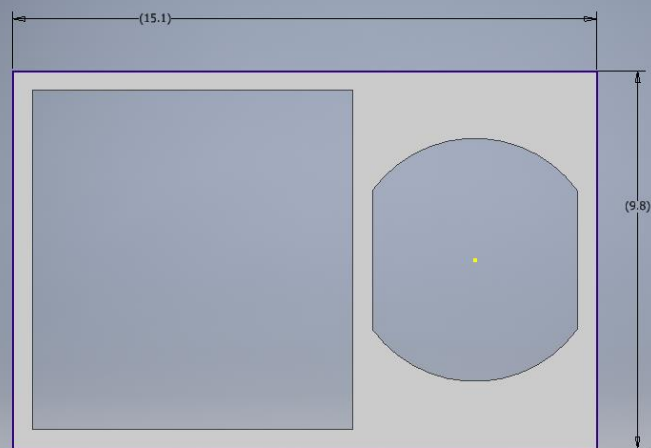


Beam test prototype

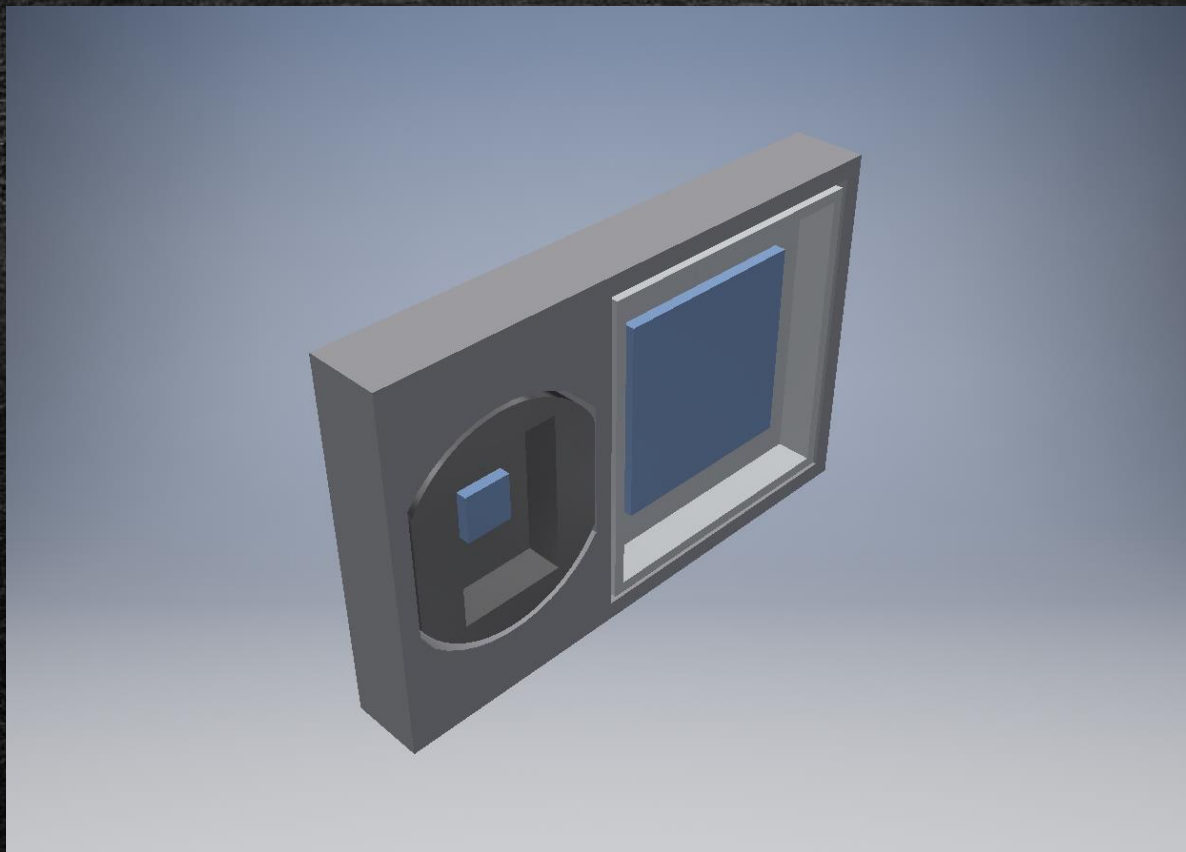
---

# Package



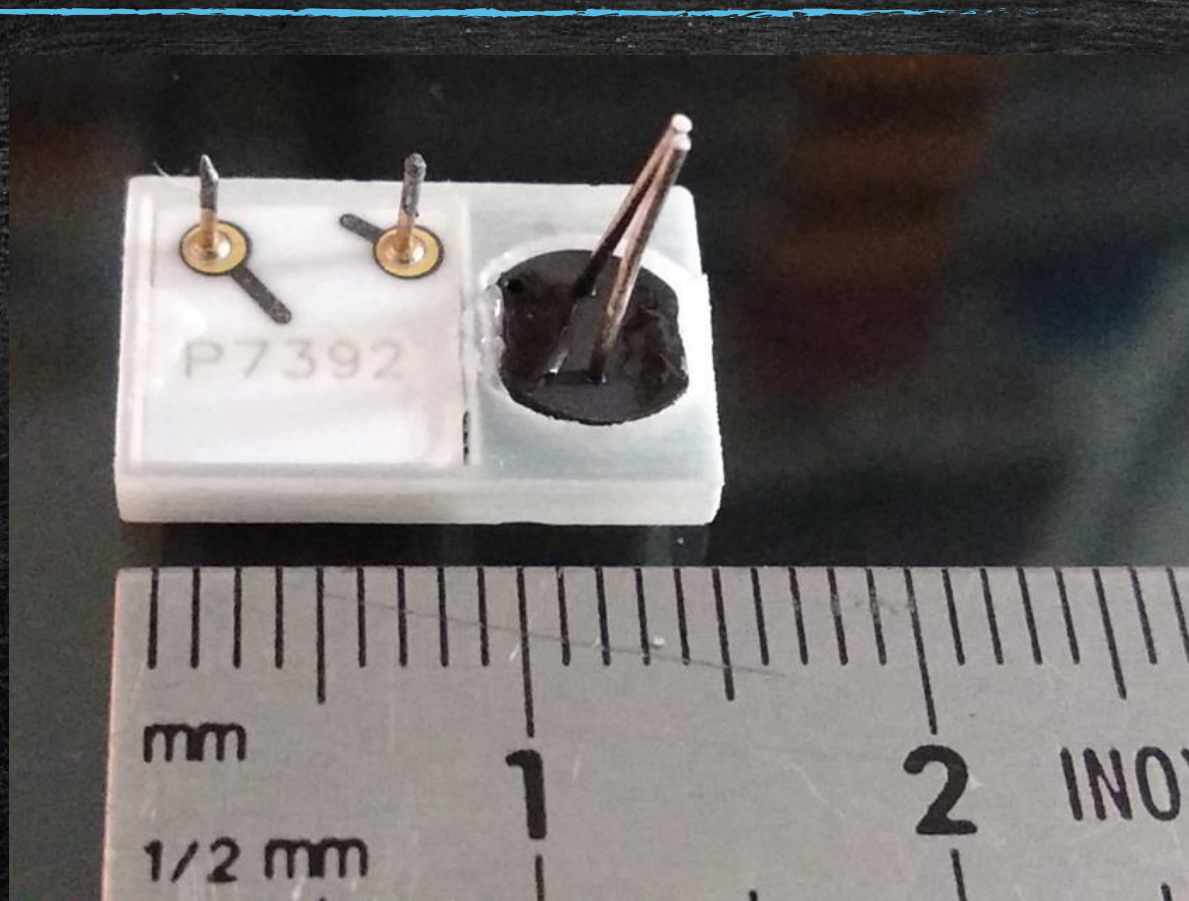
Both PDs are housed by a single package 15.1x9.8x2 mm.

# Package



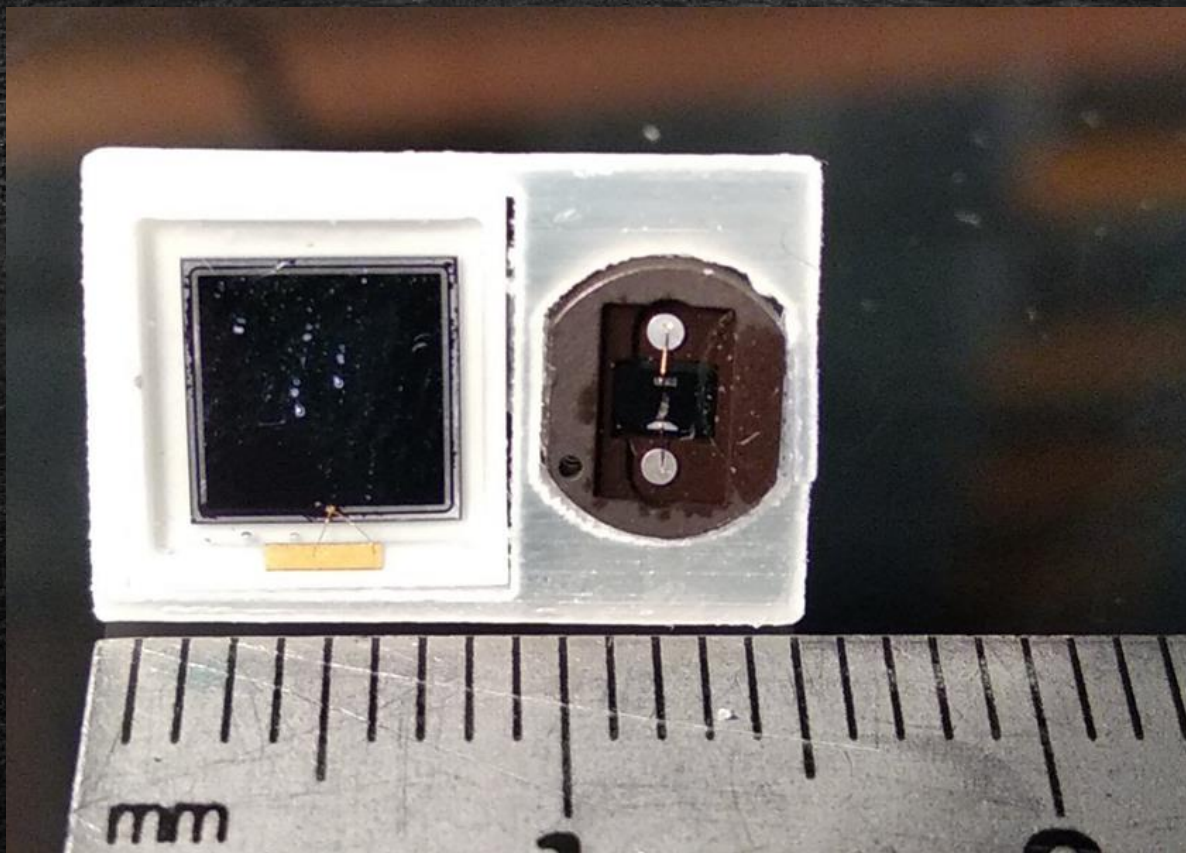
Both PDs are housed by a single package 15.1x9.8x2 mm.

# Package



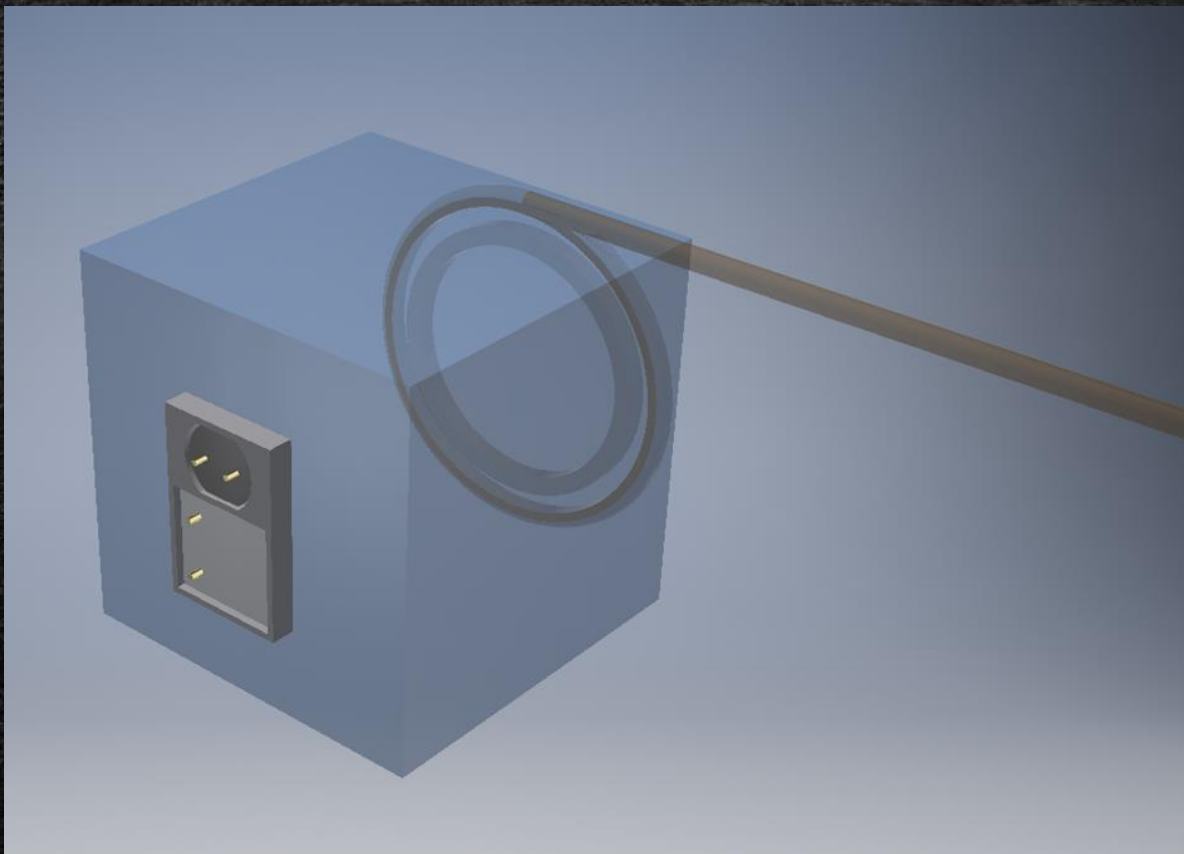
Both PDs are housed by a single package 15.1x9.8x2 mm.

# Package



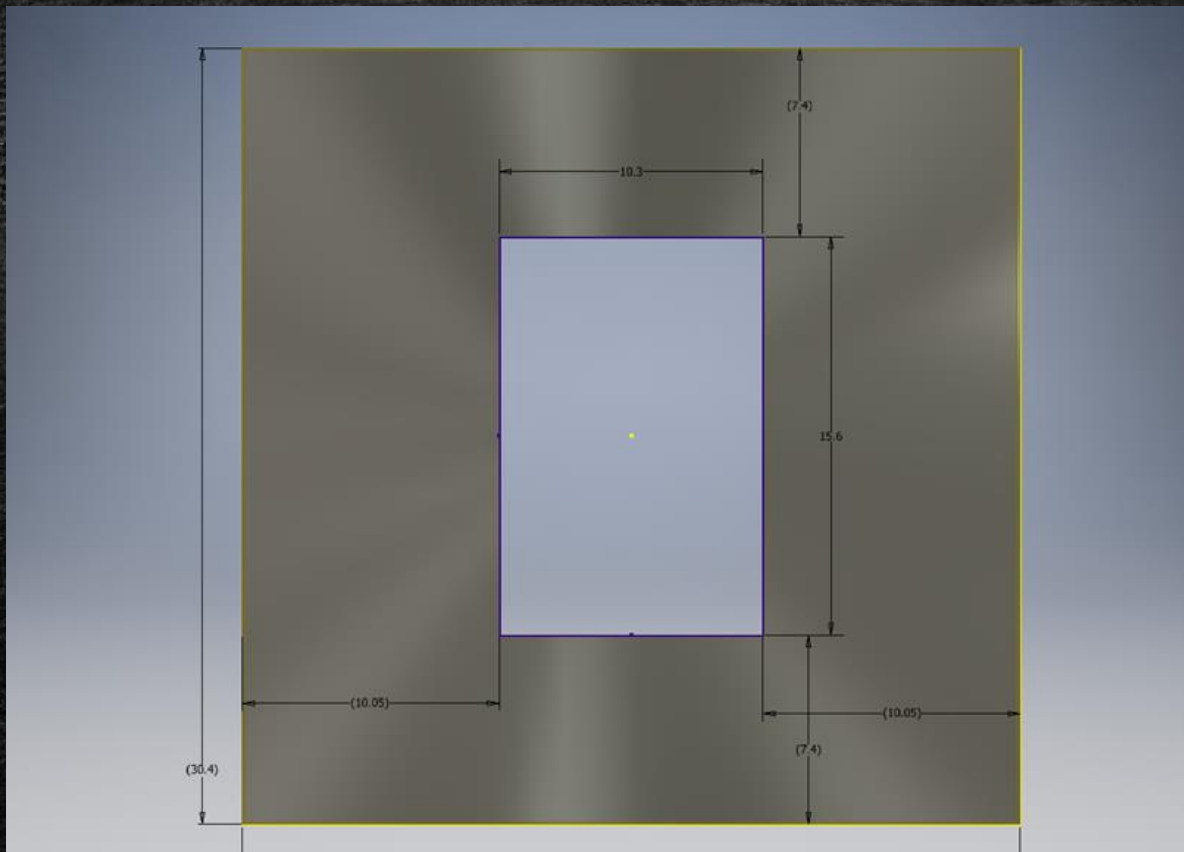
Both PDs are housed by a single package 15.1x9.8x2 mm.

# Crystal&Wrapping



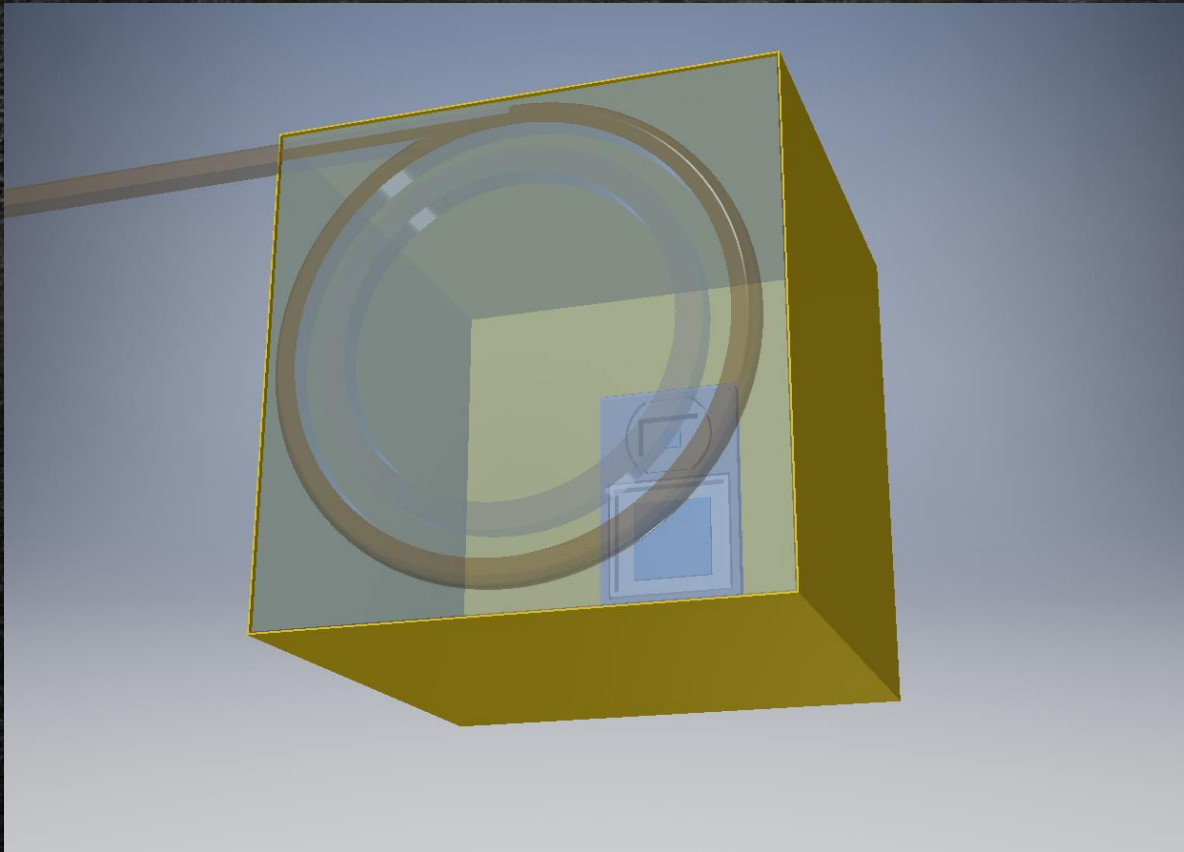
This package will be coupled on the center of the backside of the crystal. Wrapping material should have a window of 10.3x15.6 mm (0.5 mm larger than package size) in the center.

# Crystal&Wrapping



This package will be coupled on the center of the backside of the crystal. Wrapping material should have a window of 10.3x15.6 mm (0.5 mm larger than package size) in the center.

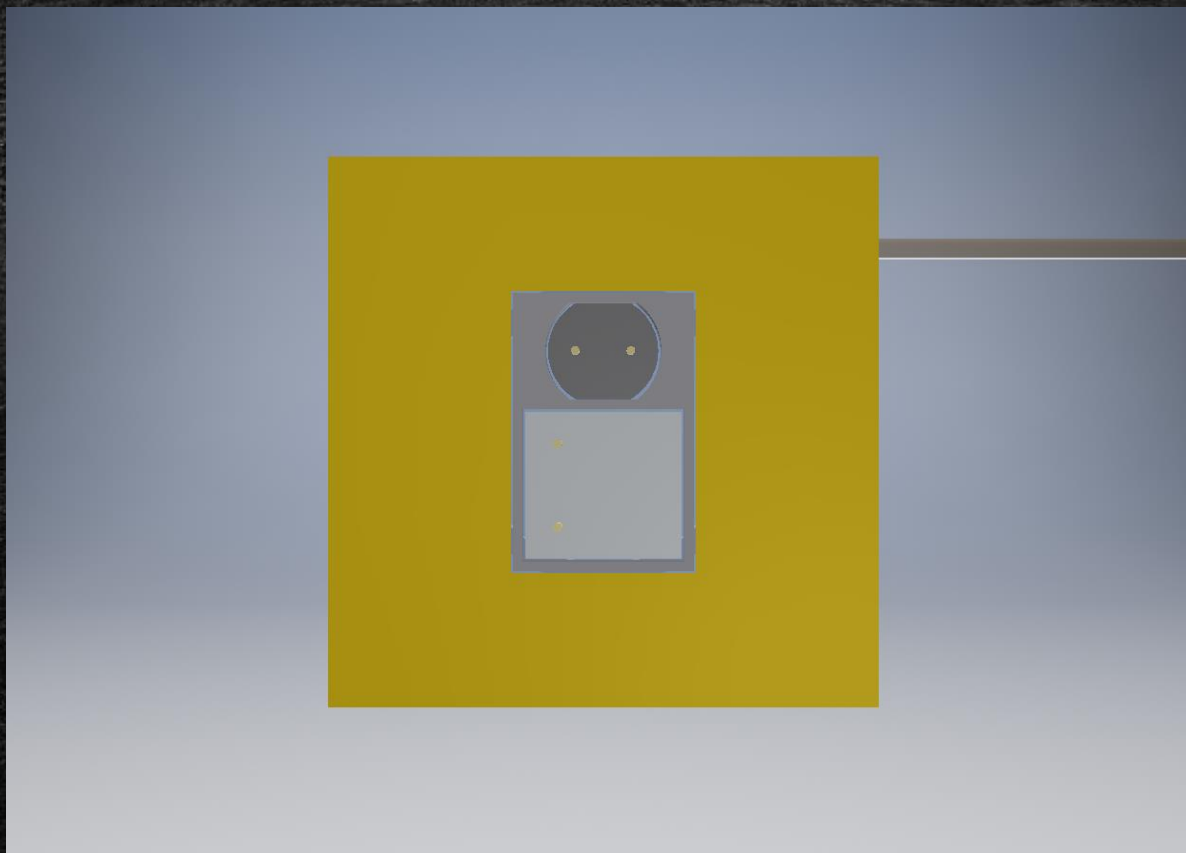
# Crystal&Wrapping



This package will be coupled on the center of the backside of the crystal. Wrapping material should have a window of 10.3x15.6 mm (0.5 mm larger than package size) in the center.

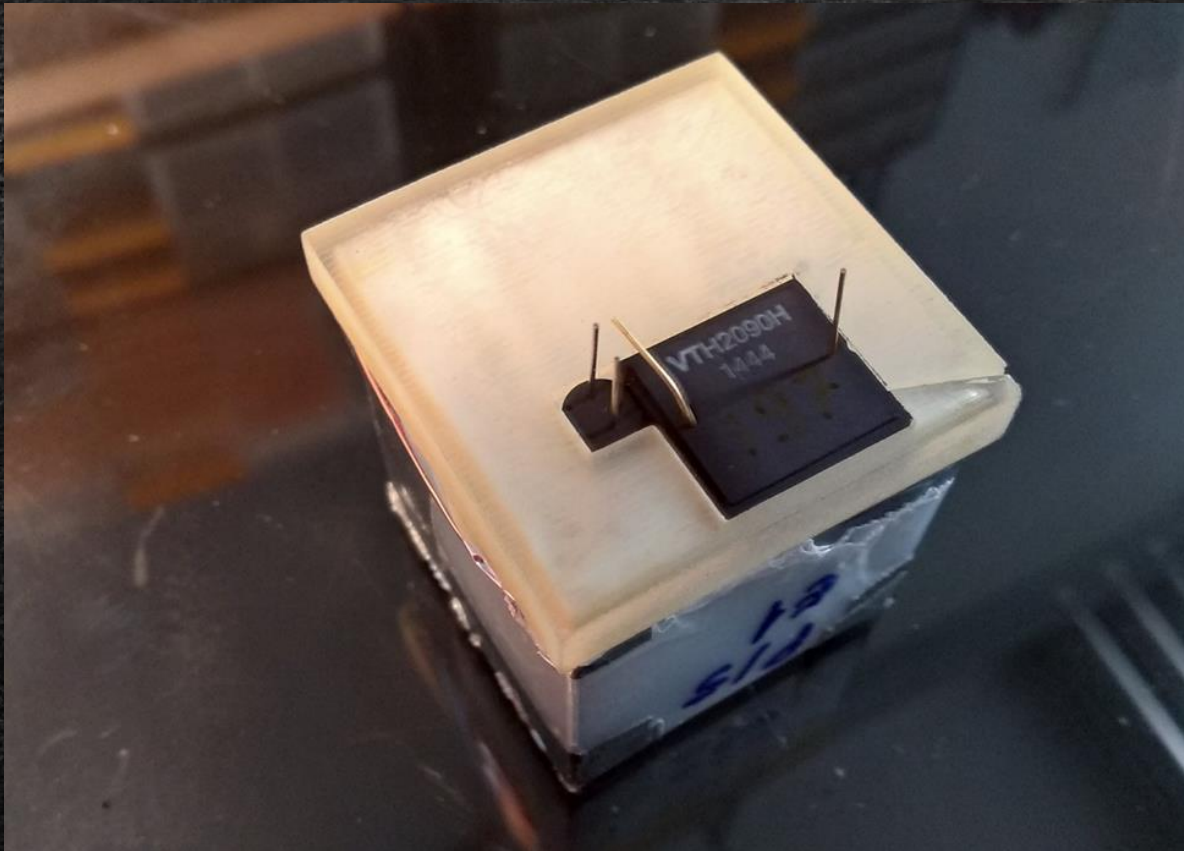


# Crystal&Wrapping



This package will be coupled on the center of the backside of the crystal. Wrapping material should have a window of 10.3x15.6 mm (0.5 mm larger than package size) in the center.

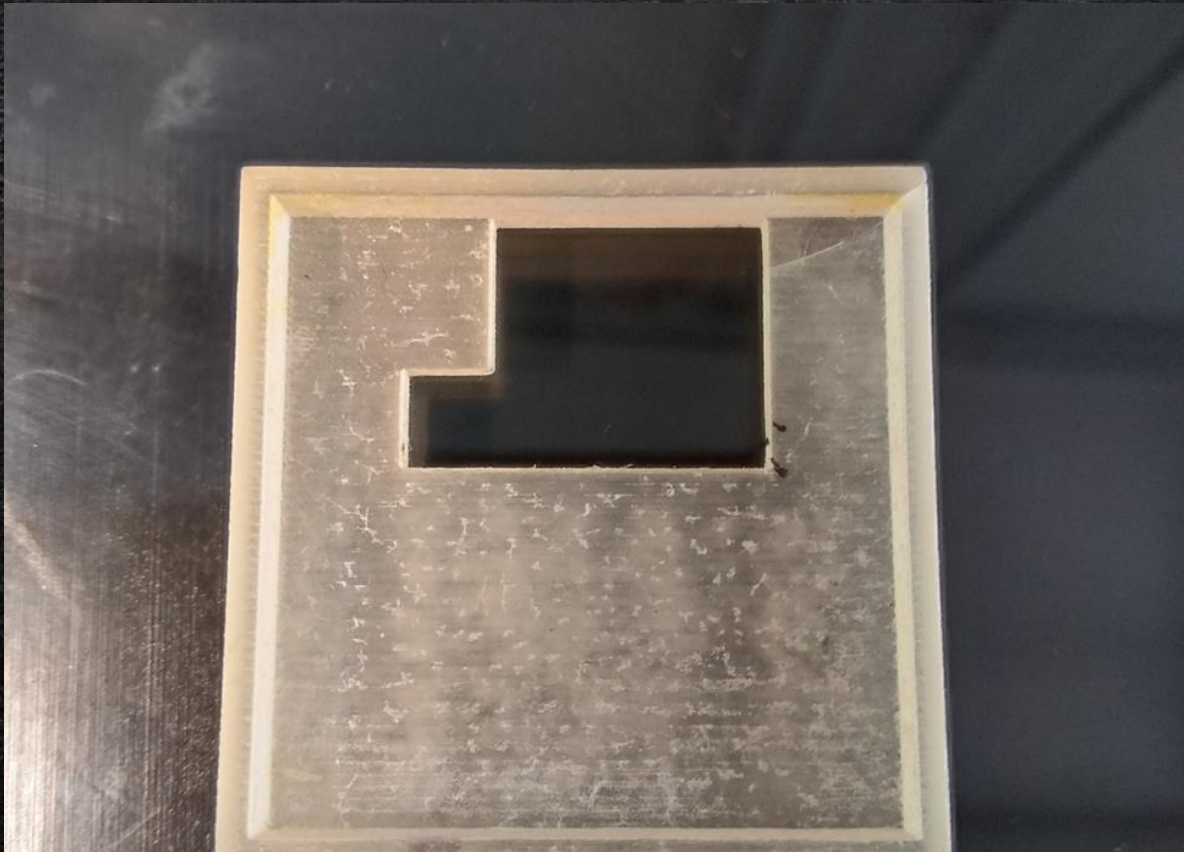
# Crystal&Wrapping



This package will be coupled on the center of the backside of the crystal. Wrapping material should have a window of 10.3x15.6 mm (0.5 mm larger than package size) in the center.

We can provide a gluing mask similar to this one:

# Crystal&Wrapping



This package will be coupled on the center of the backside of the crystal. Wrapping material should have a window of 10.3x15.6 mm (0.5 mm larger than package size) in the center.

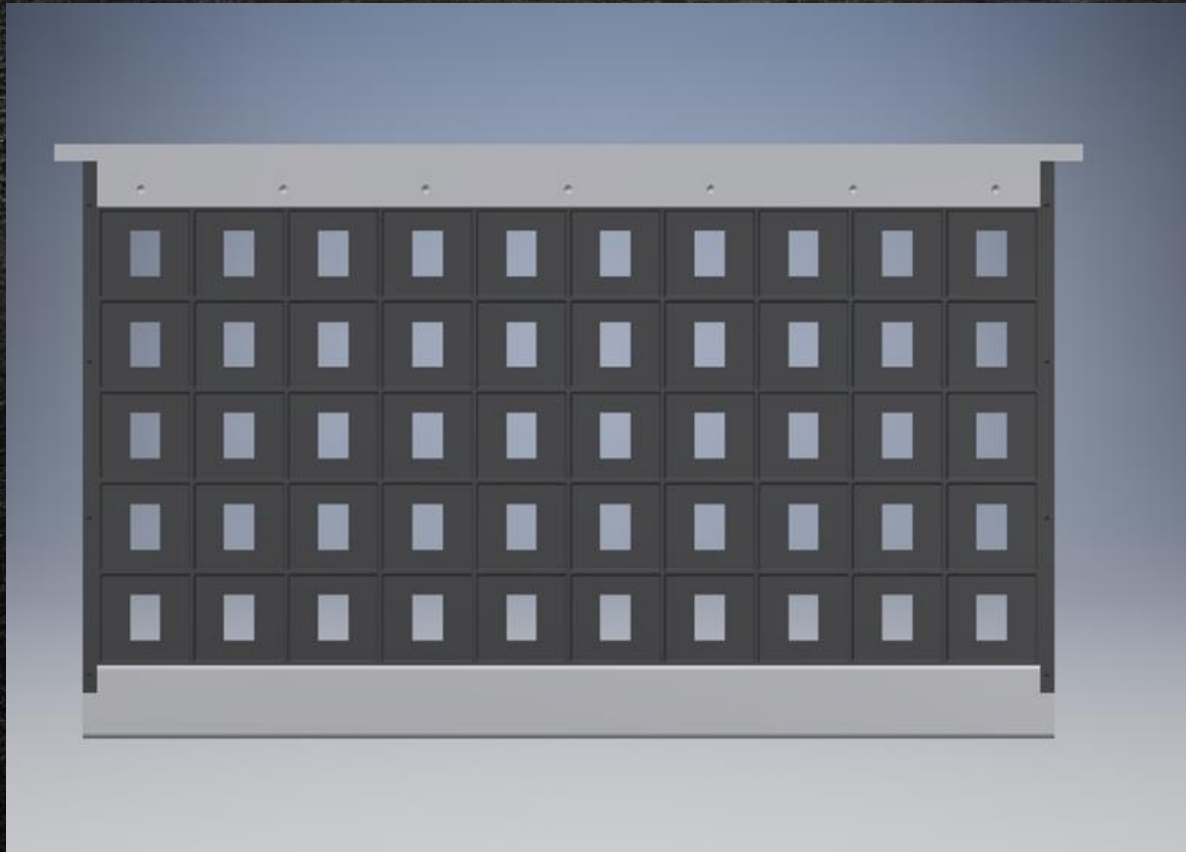
We can provide a gluing mask similar to this one:

# Array structure



Array support structure should have a window in order of 10.8x16.1 mm in the center of each cell.

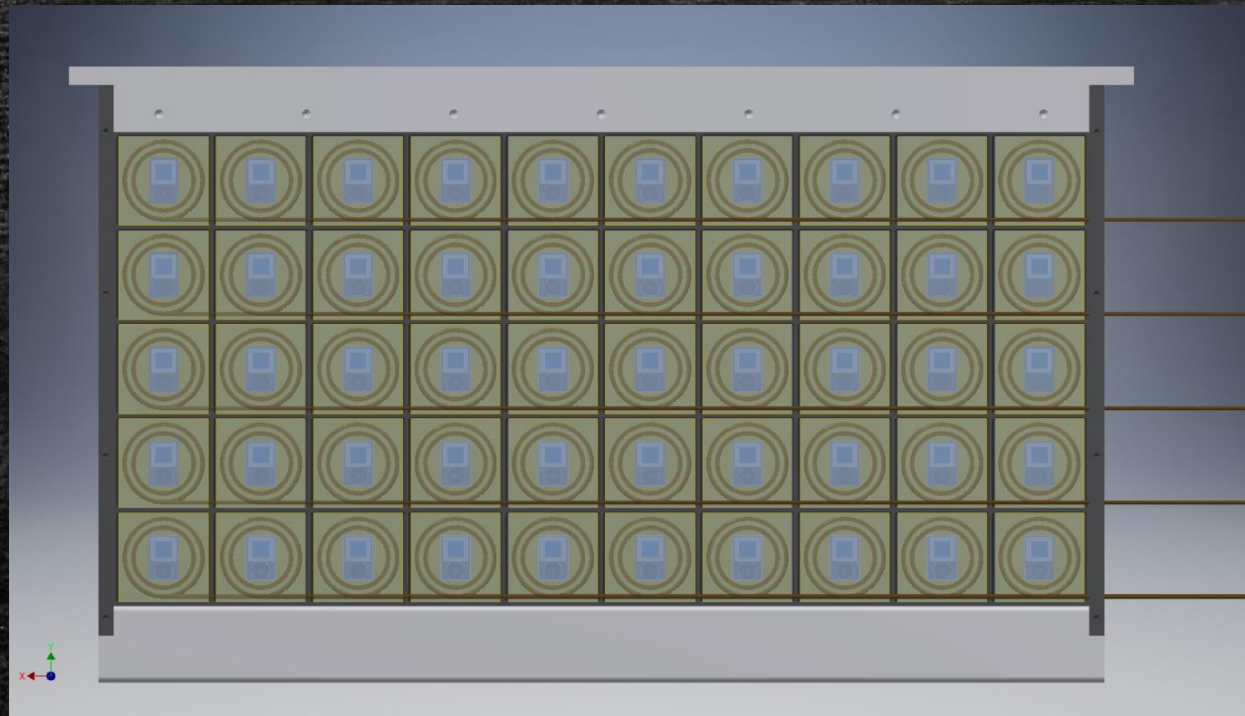
# Array structure



Array support structure should have a window in order of 10.8x16.1 mm in the center of each cell.

These windows hold the PDs packages with 1 mm margins.

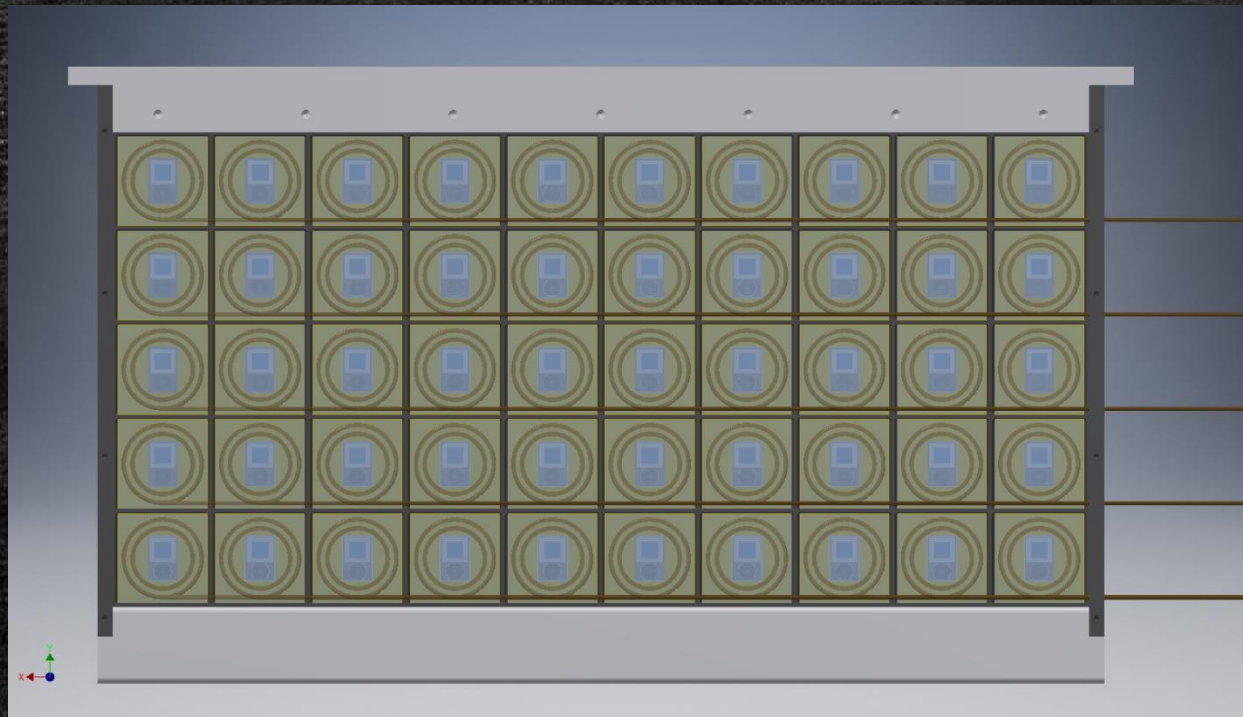
# Array structure



Array support structure should have a window in order of 10.8x16.1 mm in the center of each cell.

These windows hold the PDs packages with 1 mm margins.

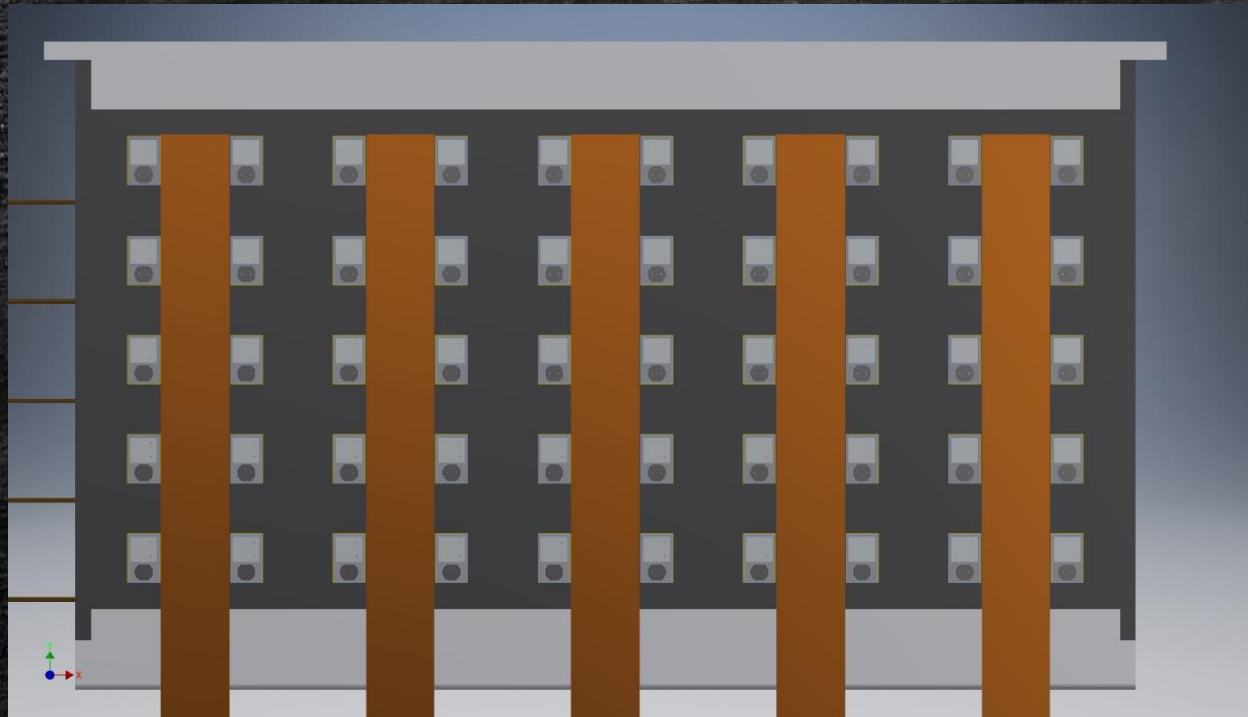
# Array structure



Array support structure should have a window in order of 10.8x16.1 mm in the center of each cell.

These windows hold the PDs packages with 1 mm margins.

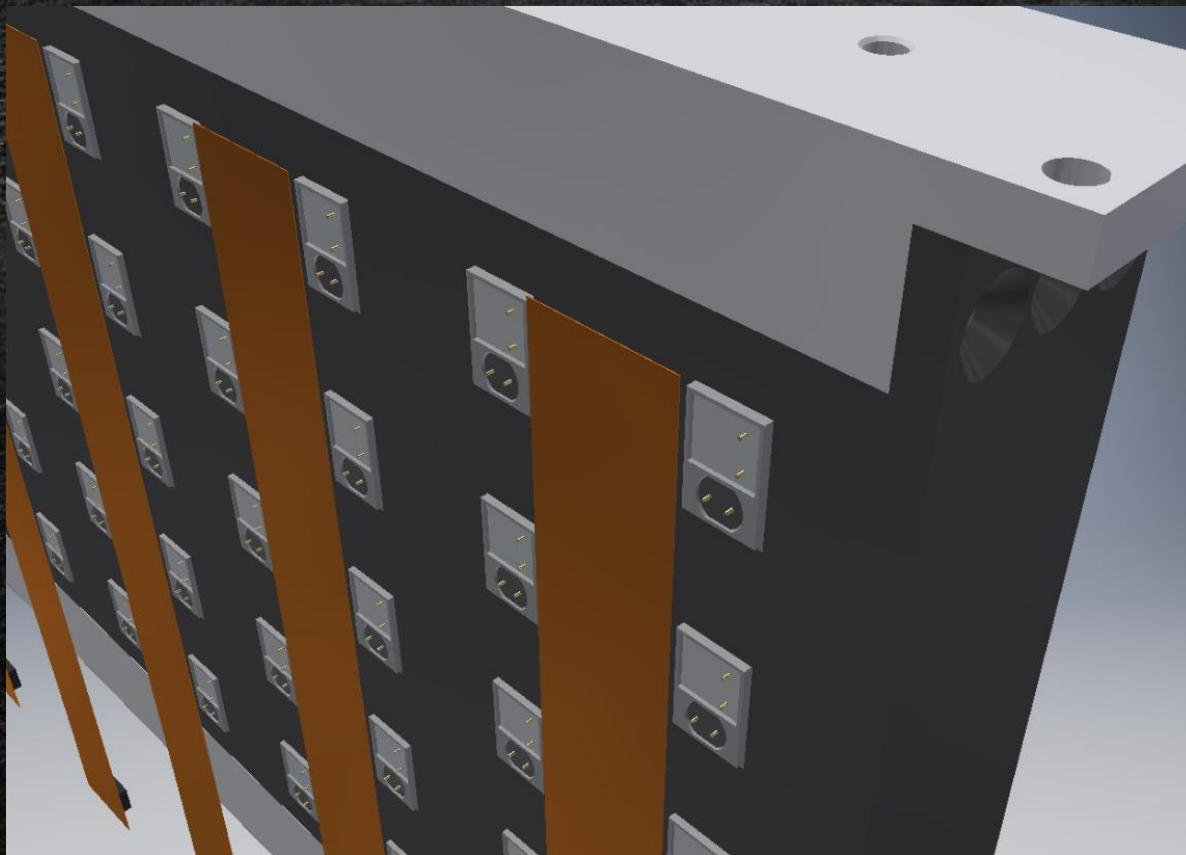
# Scolopendra cable



The Scolopendra cable will be placed in the middle of the two columns and exit in the direction orthogonal to the optic fibres.

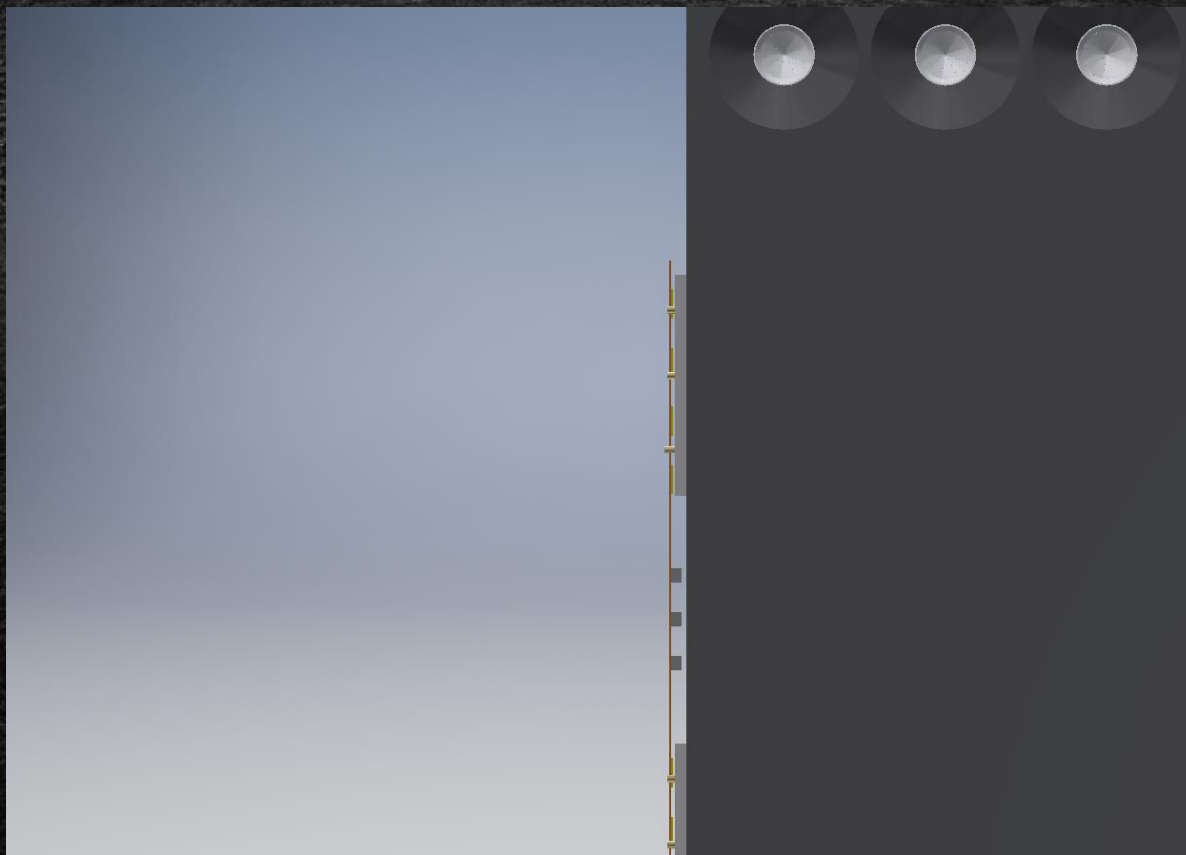


# Scolopendra cable



The Scolopendra cable will be placed in the middle of the two columns and exit in the direction orthogonal to the optic fibres.

# Scolopendra cable



The Scolopendra cable will be placed in the middle of the two columns and exit in the direction orthogonal to the optic fibres.

Total height is determined by SMD components height and does not exceed 1 mm.

# Additins



PDs will be glued with EpoTek 301 optic resin.

Cure: 65 deg/ 2 hours