




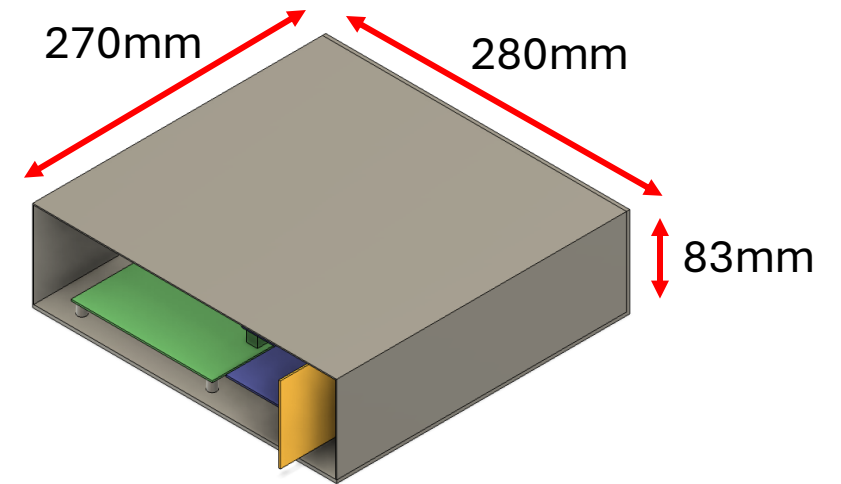
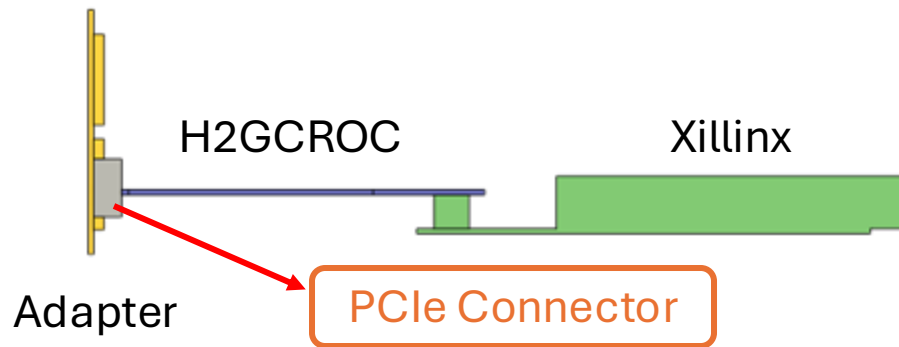
# Status Report

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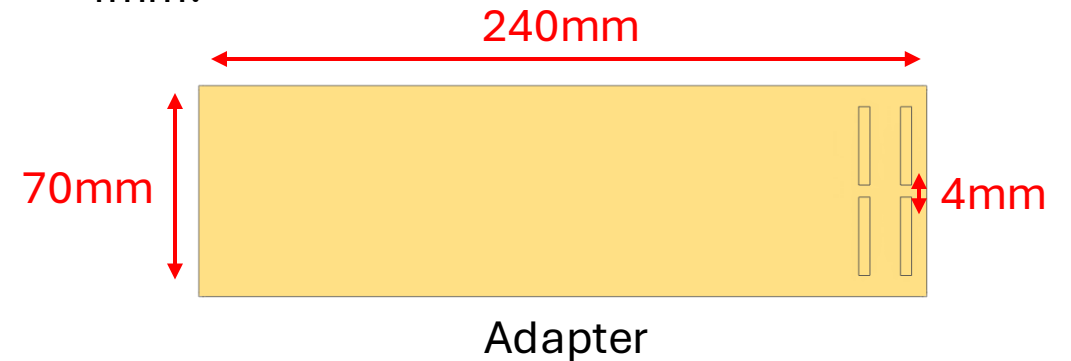
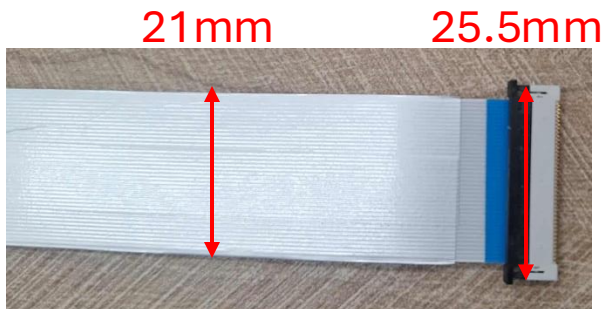


# Readout Board

- The adapter board PCIe connector only can set on the top.  
→ The adapter board is perpendicular to the H2GCROC



- 凱聿 choose the 40 channels flat cable for the detector.
- The size of flat cable connector is to be determined.
- The distance between 2 flat cable connectors are 4mm.

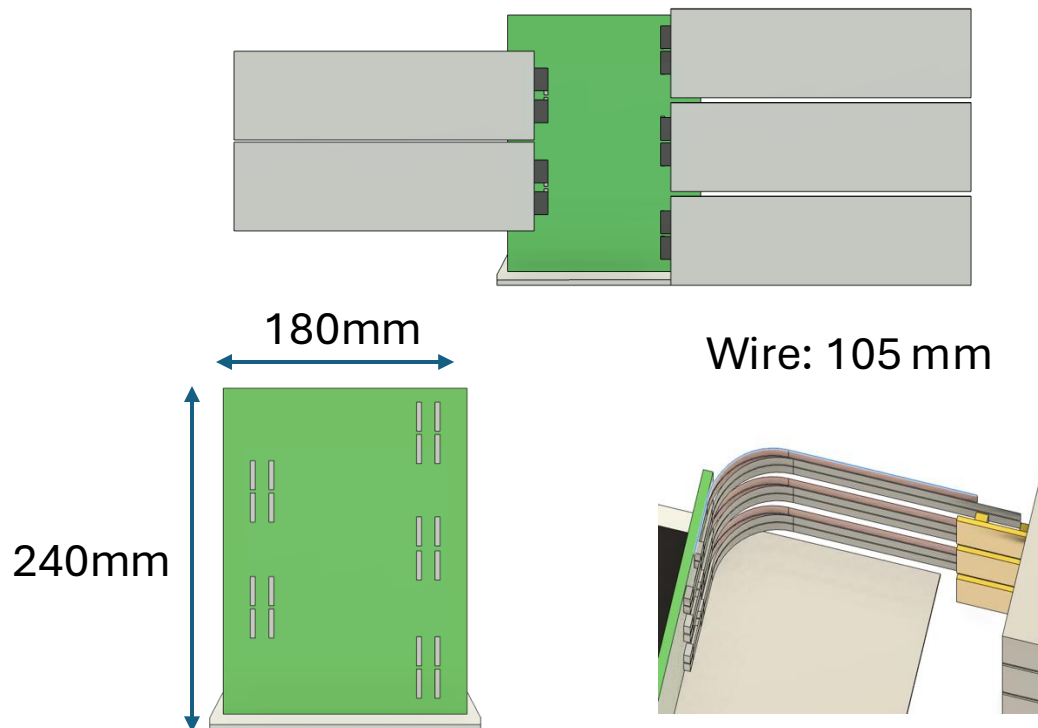


# PWO Setup Board

If the flat cable isn't bend on y-direction, need to change the structure.

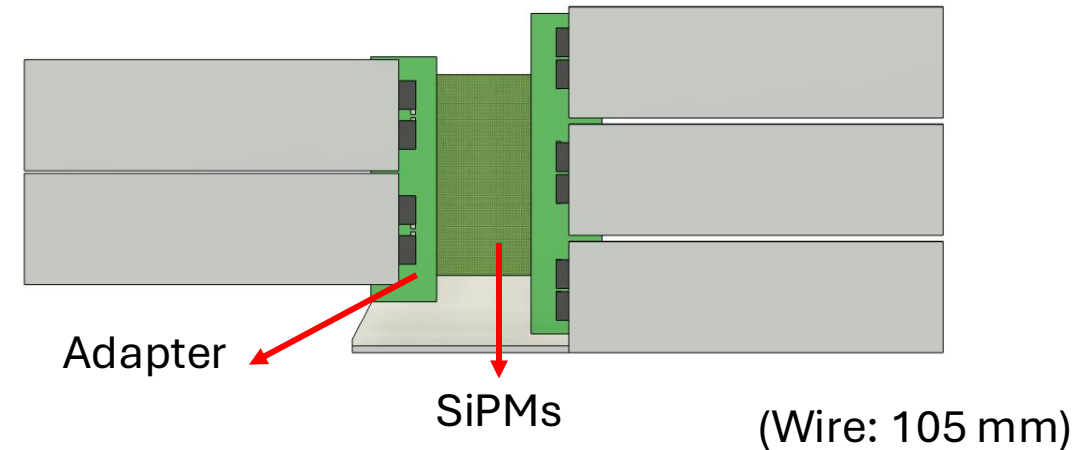
## PLAN A

Use the big PCB to connect the readout board.



## PLAN B

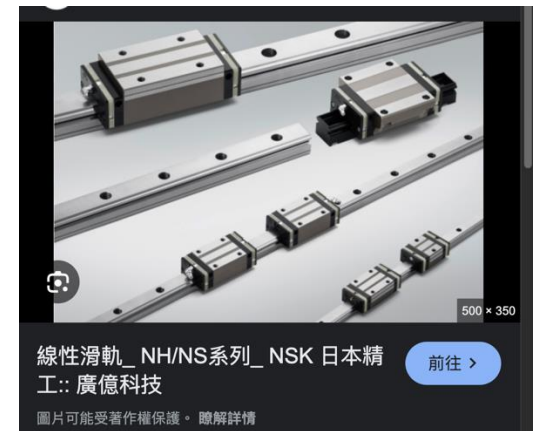
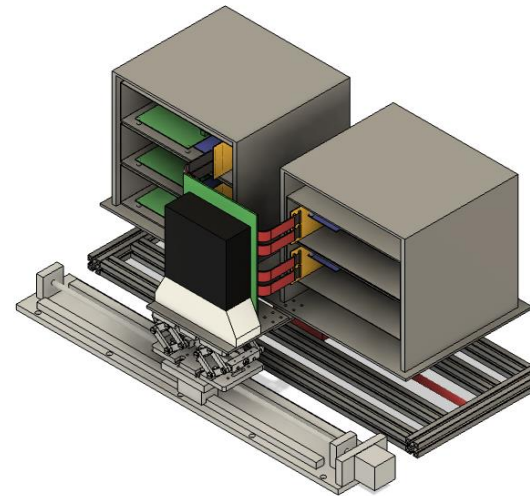
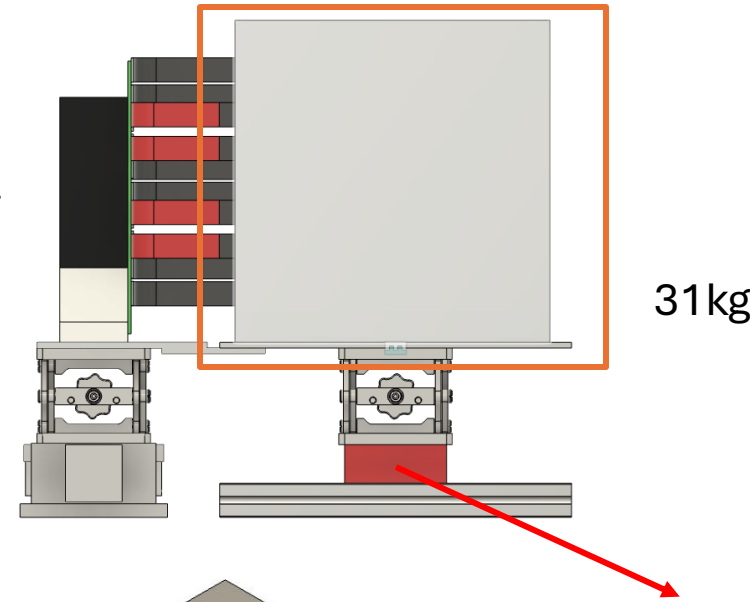
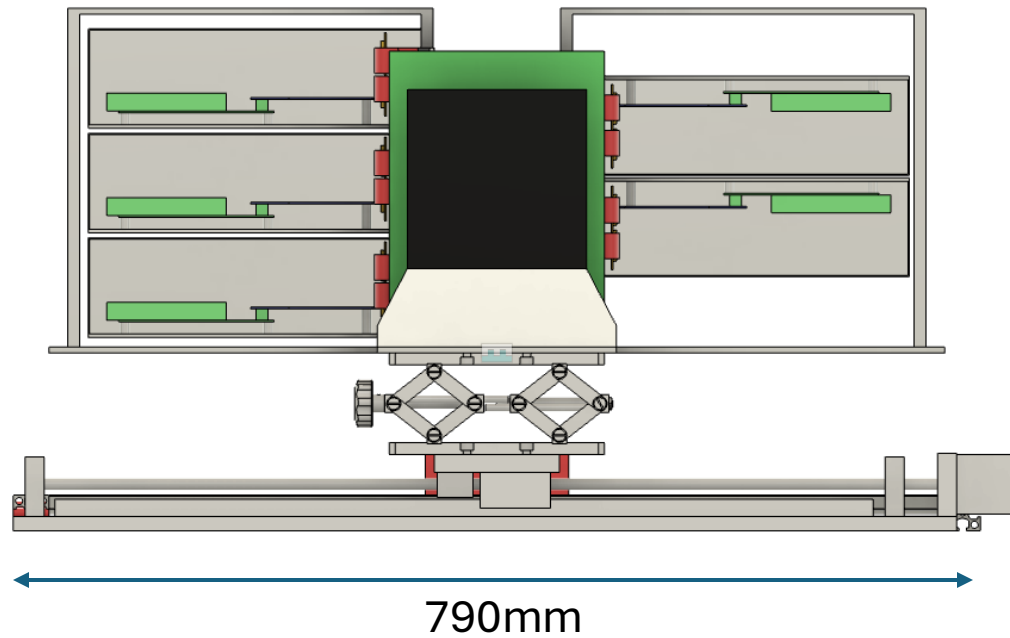
Use another adapter board to change the position.



- The connect between adapter and SiPMs can use
1. flat cable → need another 20 cables
  2. Connect directly

# Whole PWO Setup

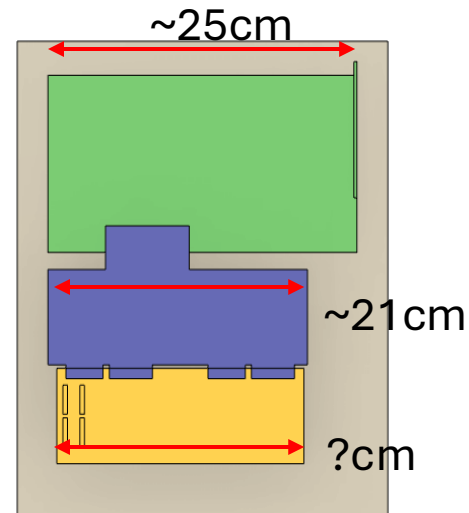
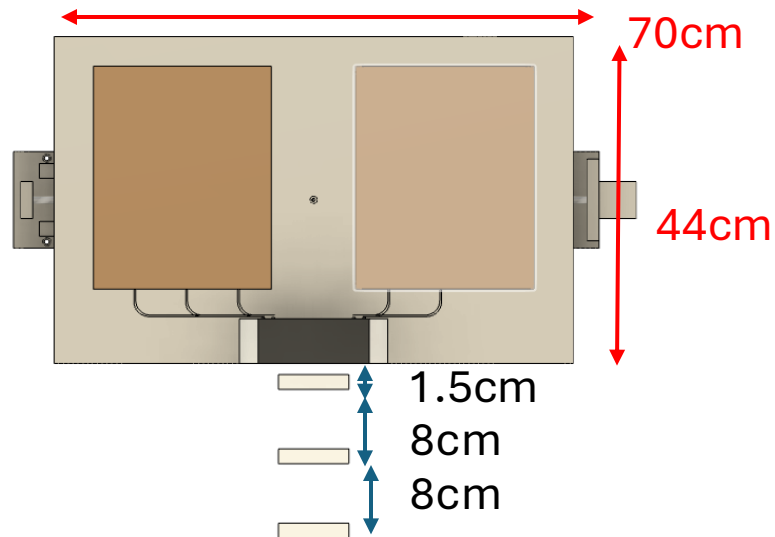
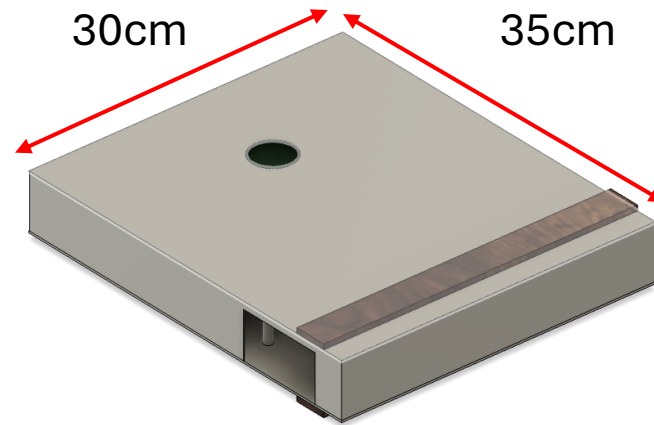
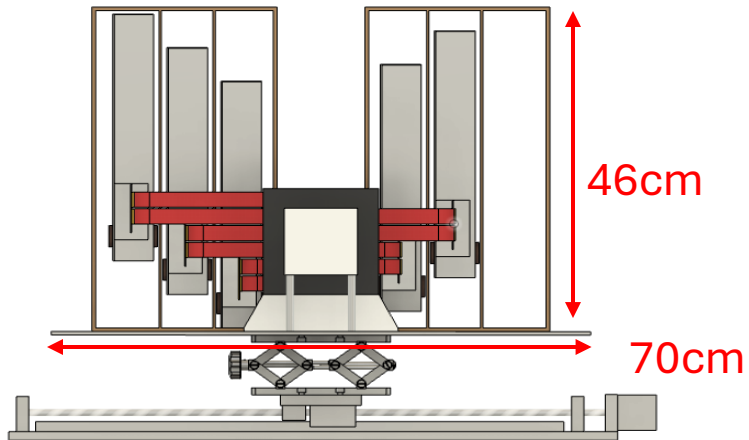
Need to separate to hold the board and crystals.



# Summary

- The adapter board need to be perpendicular to the H2GCROC.
- The readout board cannot directly connect to the SiPMs board.

# Backup 8/28 Design



FPGA: EK-U1-KCU105-G

