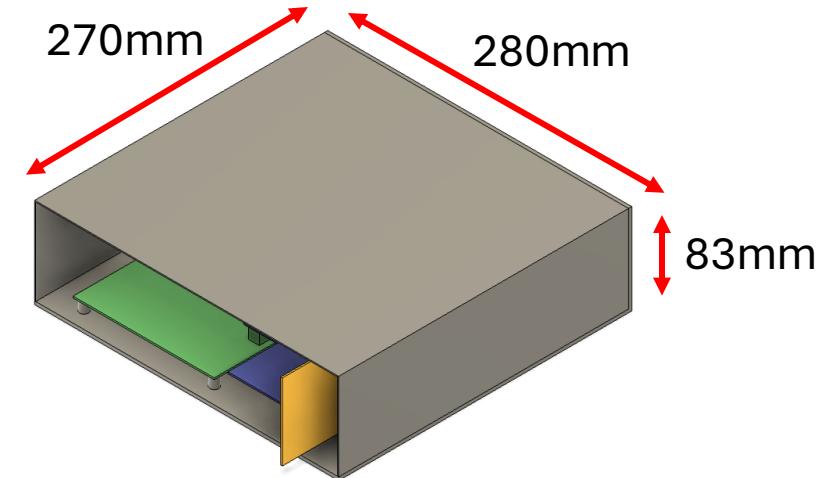
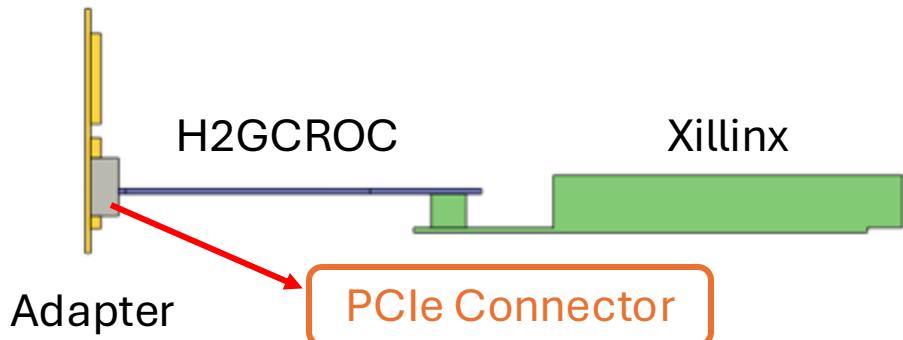


Status Report

朱珈聖 Chu, Chia-Sheng

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.

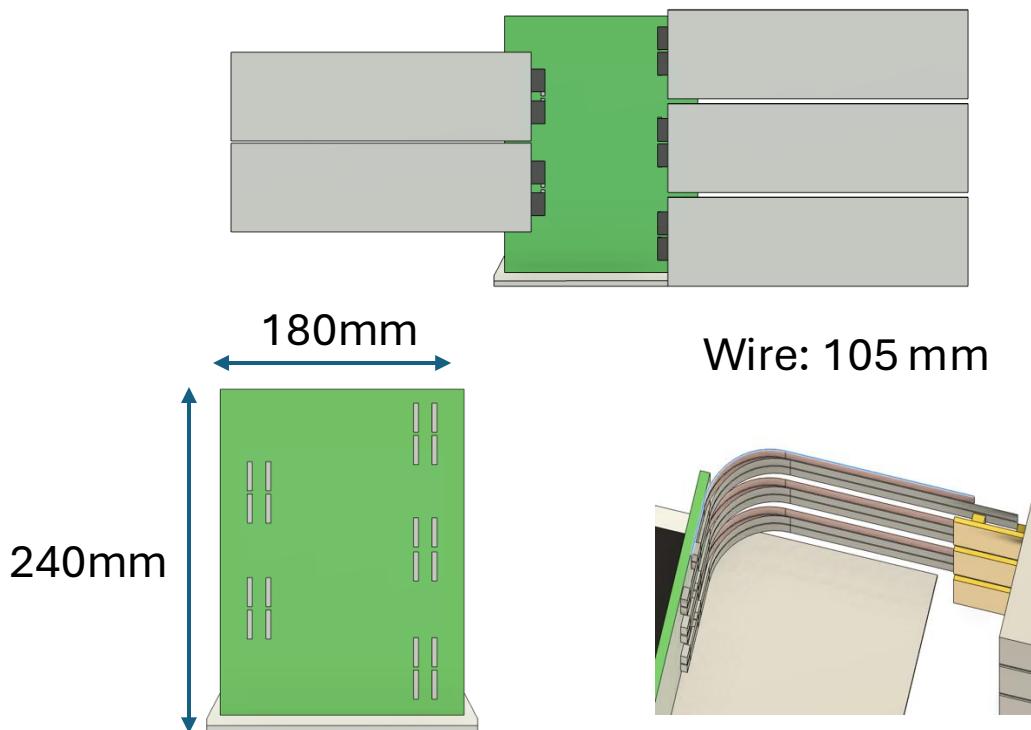


PWO Setup Board

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

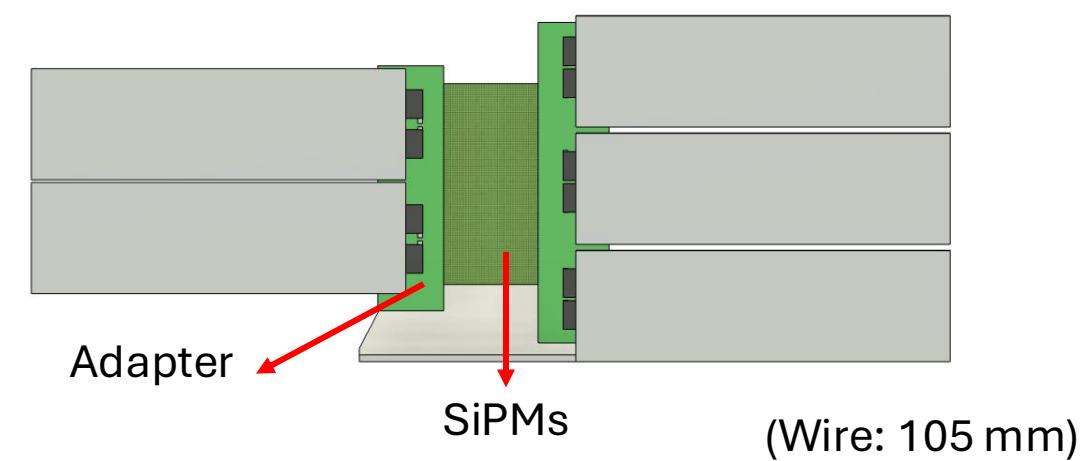
PLAN A

Use the big PCB to connect the readout board.



PLAN B

Use another adapter board to change the position.

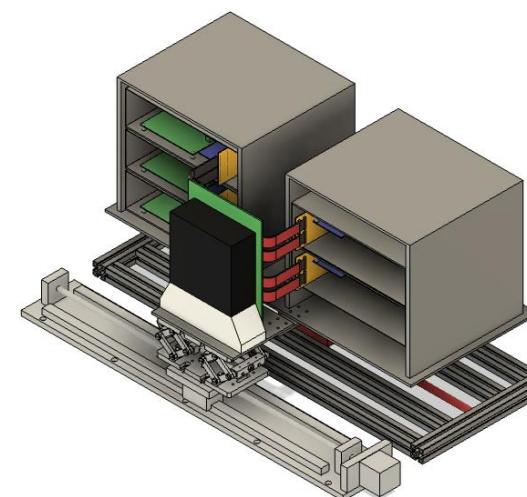
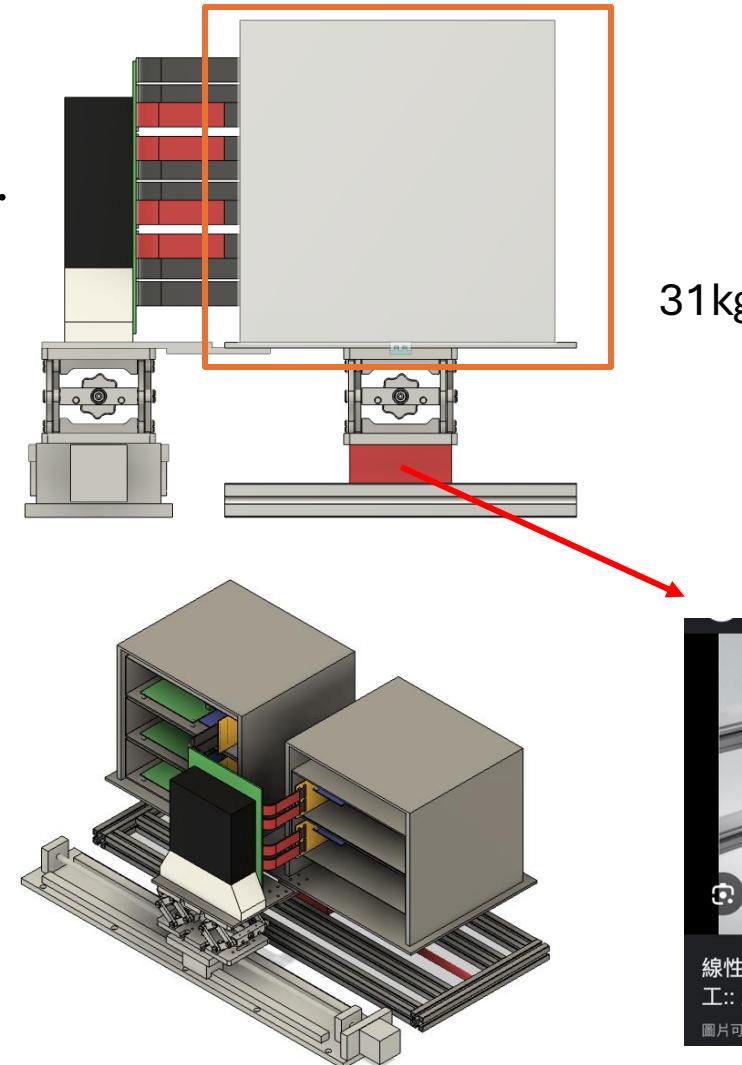
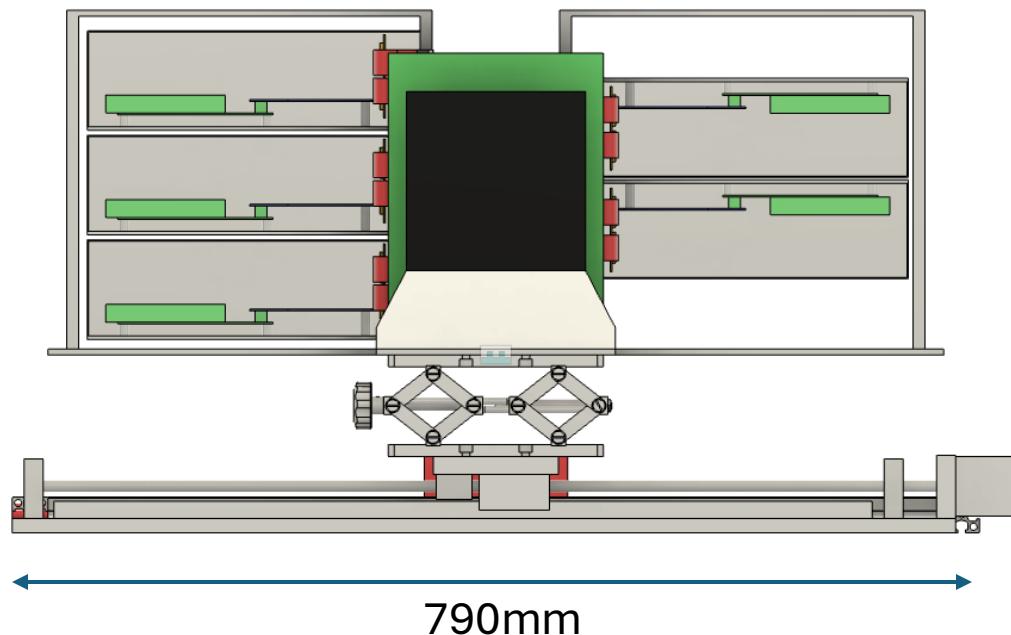


The connect between adapter and SiPMs can use

1. flat cable → need another 20 cables
2. Connect directly

Whole PWO Setup

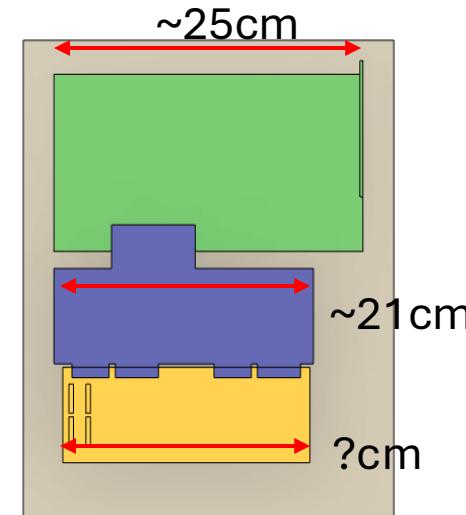
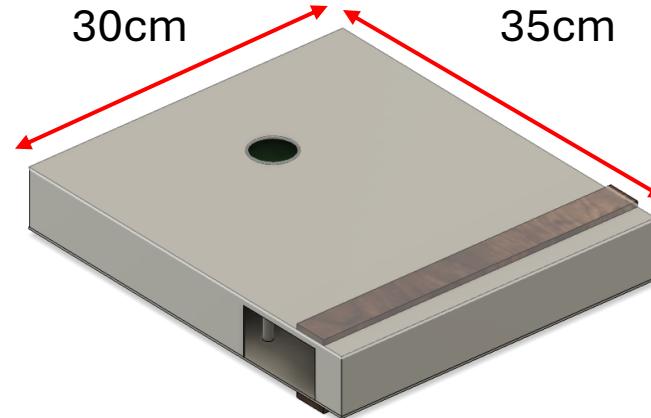
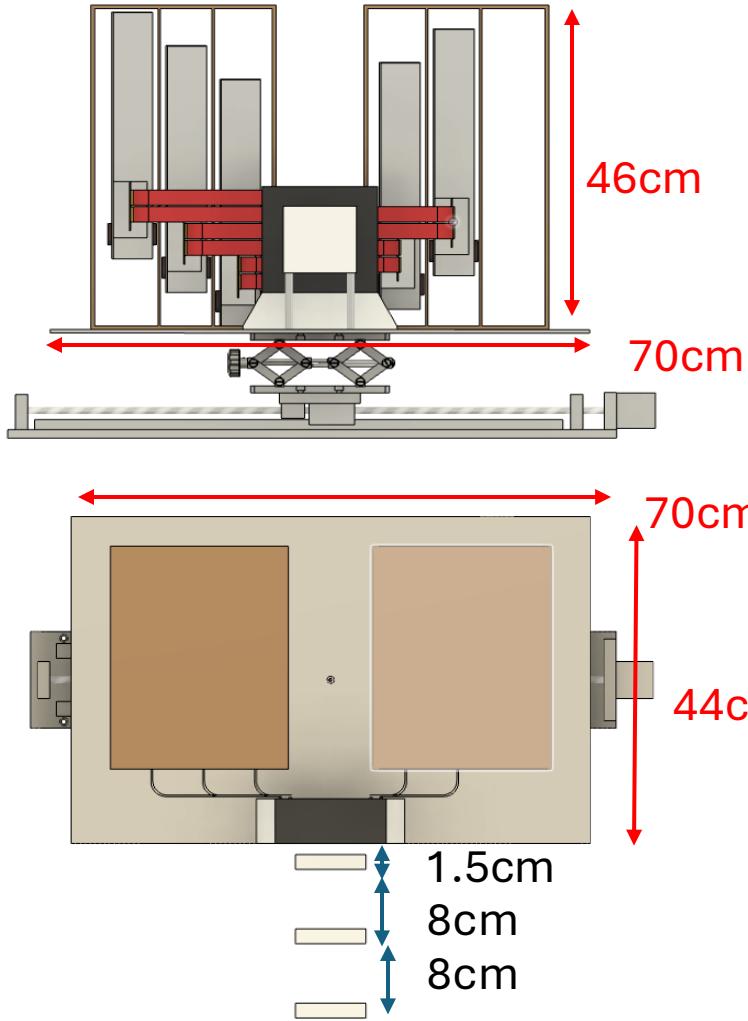
Need to separate to hold the board and crystals.



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

