Production Status

RIKEN/RBRC

Itaru Nakagawa

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SUS tubes @ Asuka co.

- They do have left over parts
  - 40 Bent tubes
  - 100 Sleeves
  - Not assembled
- Checking left over glue in progress -> Yes there is sufficient left over.
- Placed an order in Jan.28th.
- **Expected delivery in the end of this month (Feb.28th).**

1.1m Bus Extender

Production	2021/11	2022/12	1	2	3	4	5	6
I (20)								
II (40)								
III (70-80)								

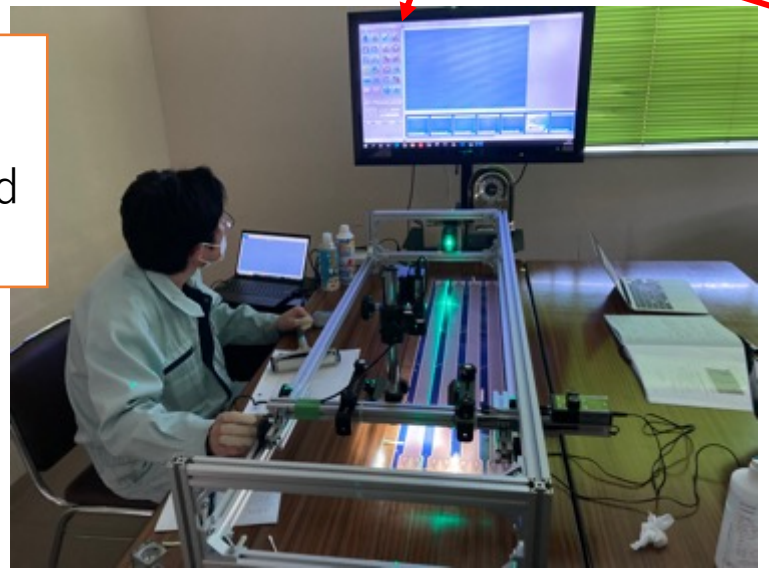
Delivered/shipping to BNL/Taiwan/NWU

contract

contract

Waiting for Quote

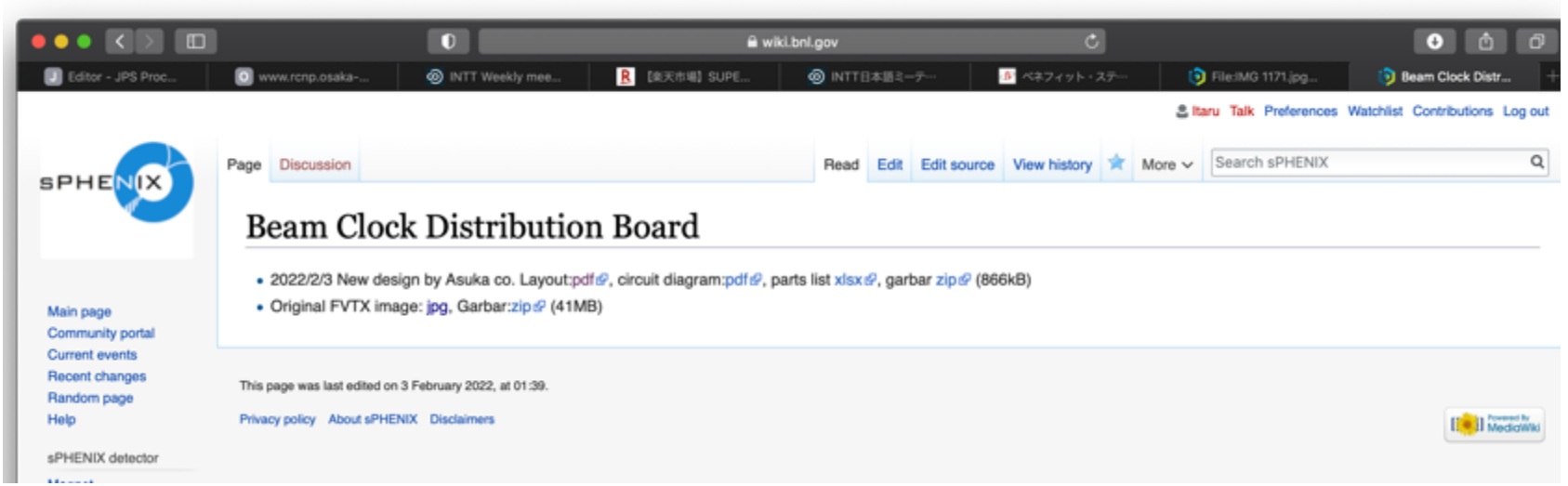
Batch-2 signal layer pattern quality check 2022/1/26 with upgraded fixture.



1.1m Bus Extender Cable

- 20 Bus Extender Cables were delivered to RIKEN on Jan.31ST
  - 3 cables were sent to NWU
  - 1 cable is sent to Tokyo Industrial Research Institute (TIRI) together with micro-Coax conversion cable.
- Shipping preparation for BNL: 15, Taiwan: 1.
- Target pickup date is Feb.10th**. Expected delivery to BNL/Taiwan in Feb.17th or so.**
- BNL shipping 15 bus extender + 3 conversion cables.

BCDB

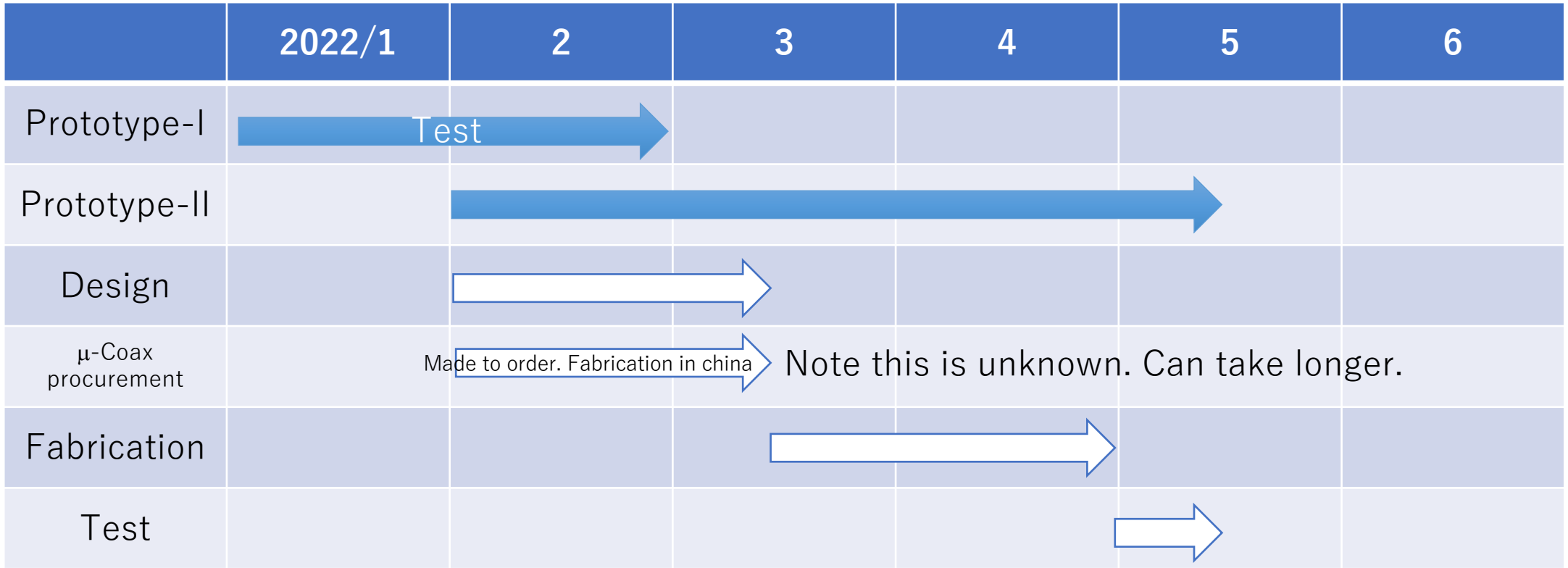


- Design was finalized and was delivered to JAERI.
- Contract (can be public bit) for the prototype fabrication is in preparation.

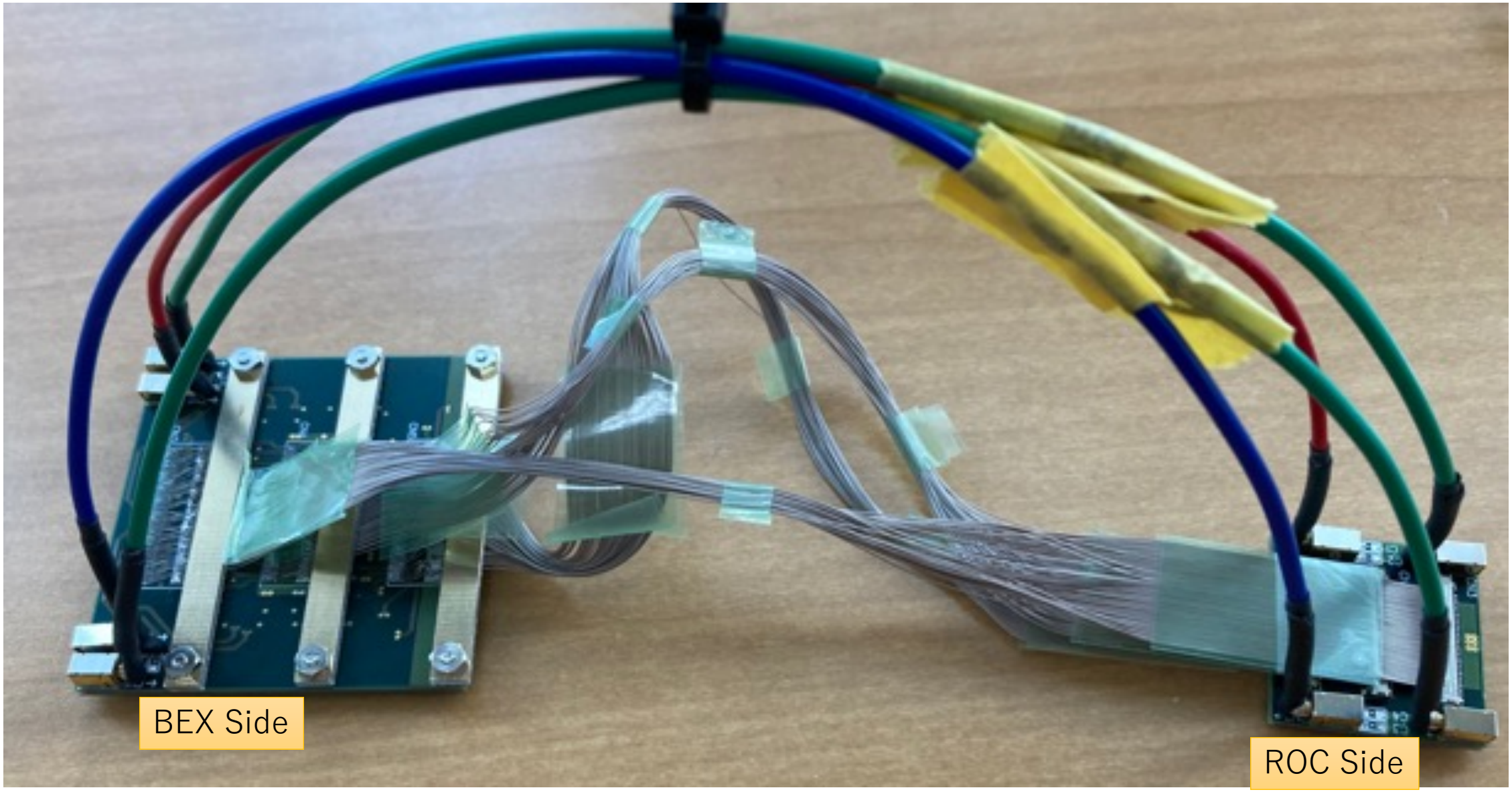
	2022/1	2	3	4	5	6
Design	→					
Optical Driver	→	Shipped from BNL				
Prototype		● →	→	Test		
Production				→		

μ-Coax Conversion Cable

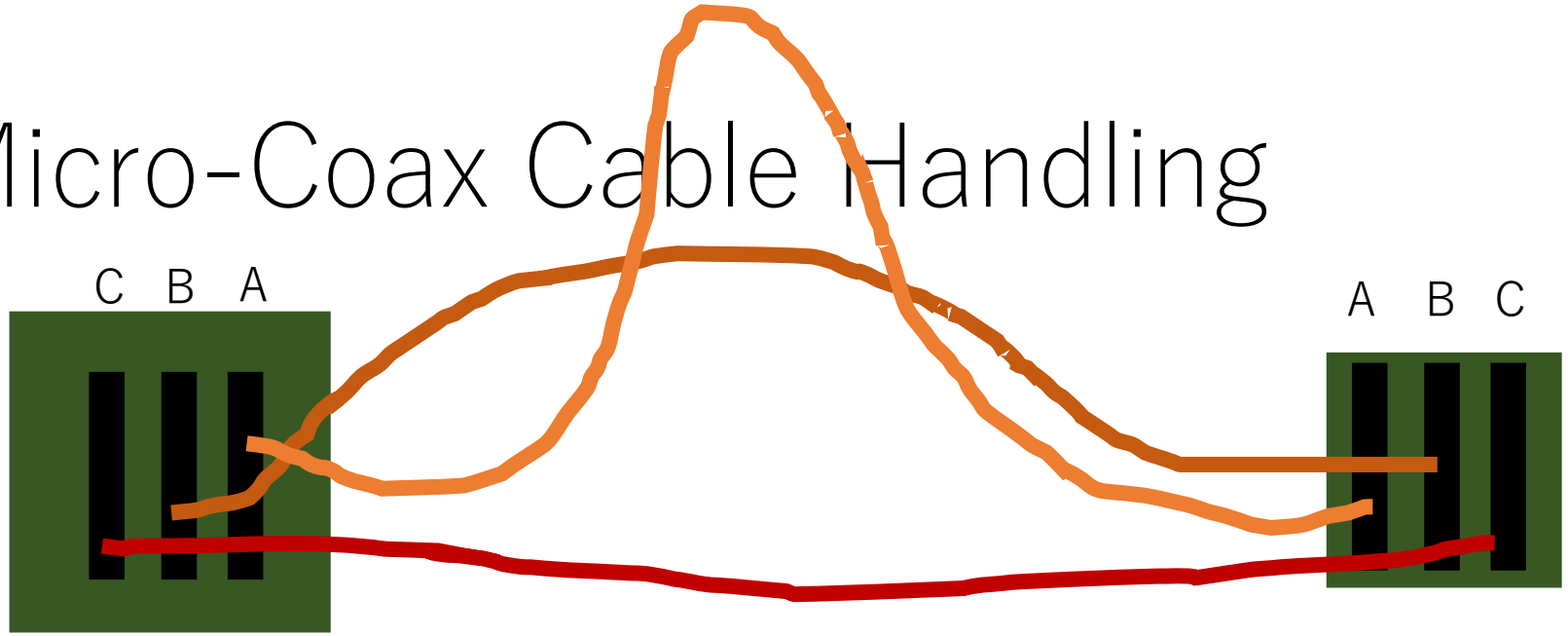
- Shipped to TIRI with 1.1m bus extender
- Measurements in this month.
- In the meantime, discussion is to be made with Hayashi-REPIC engineer for prototype-II design.

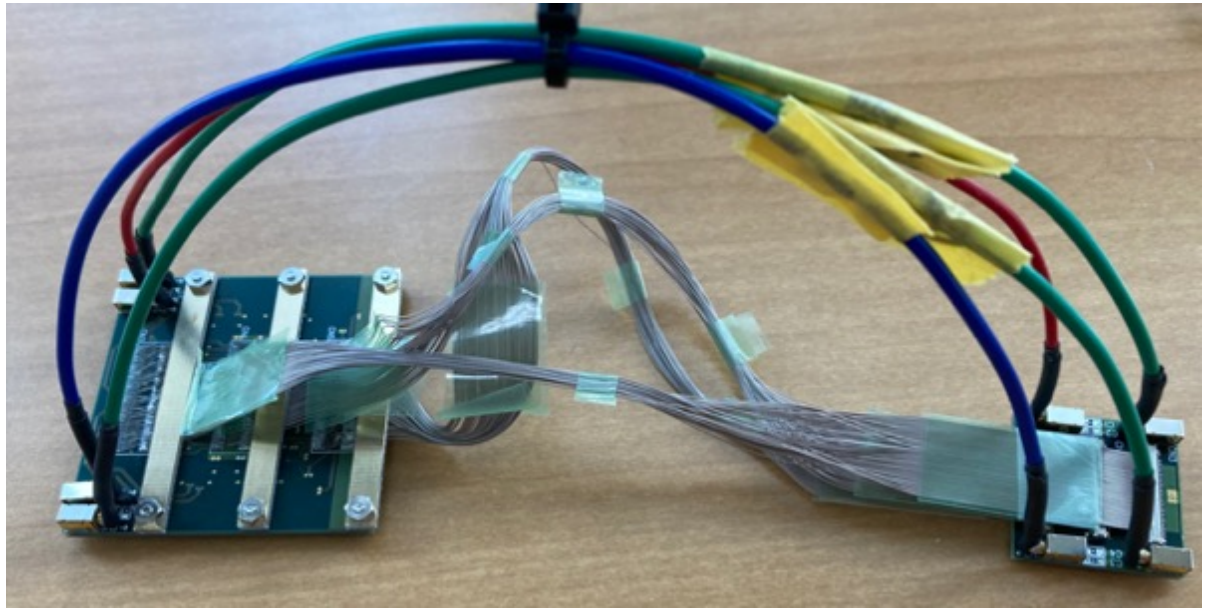


μ-Coax Conversion Cable Prototype-I



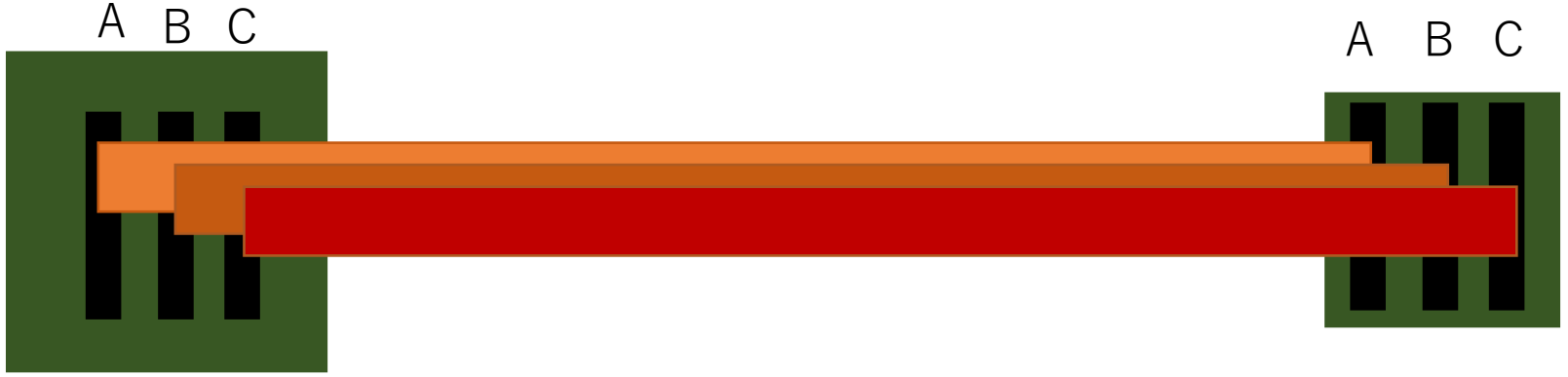
Micro-Coax Cable Handling





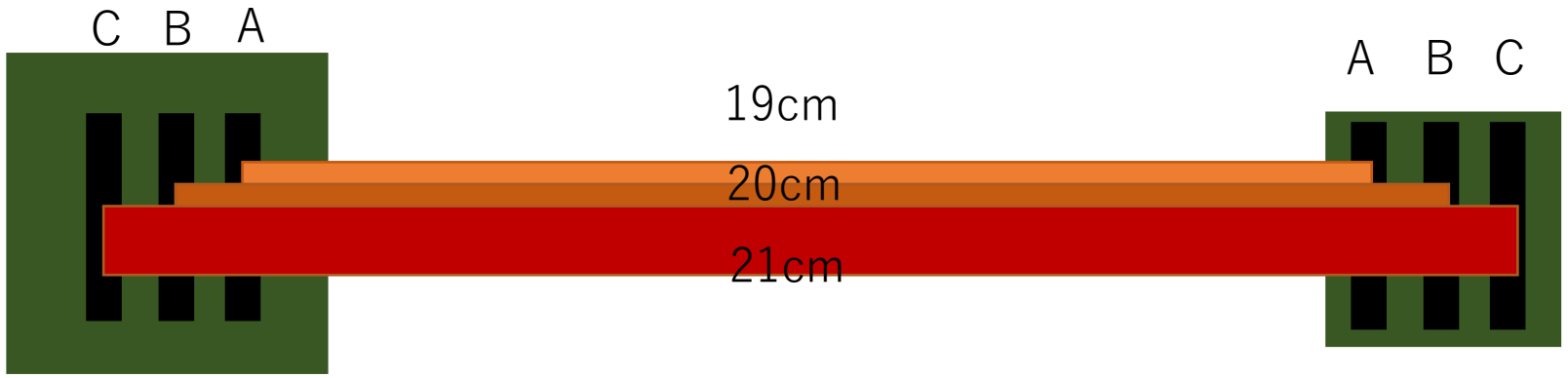
Micro-Coax Cable Handling

Idea-I



😀 Same μCoax length.
😢 Need to change design of the board.

Idea-II



😀 No major change in the board layout
😢 Spare μCoax cables to be prepared in 3 different lengths

バスエクステンダー側コネクタ基板の改善
Modification to the board (BEX side)

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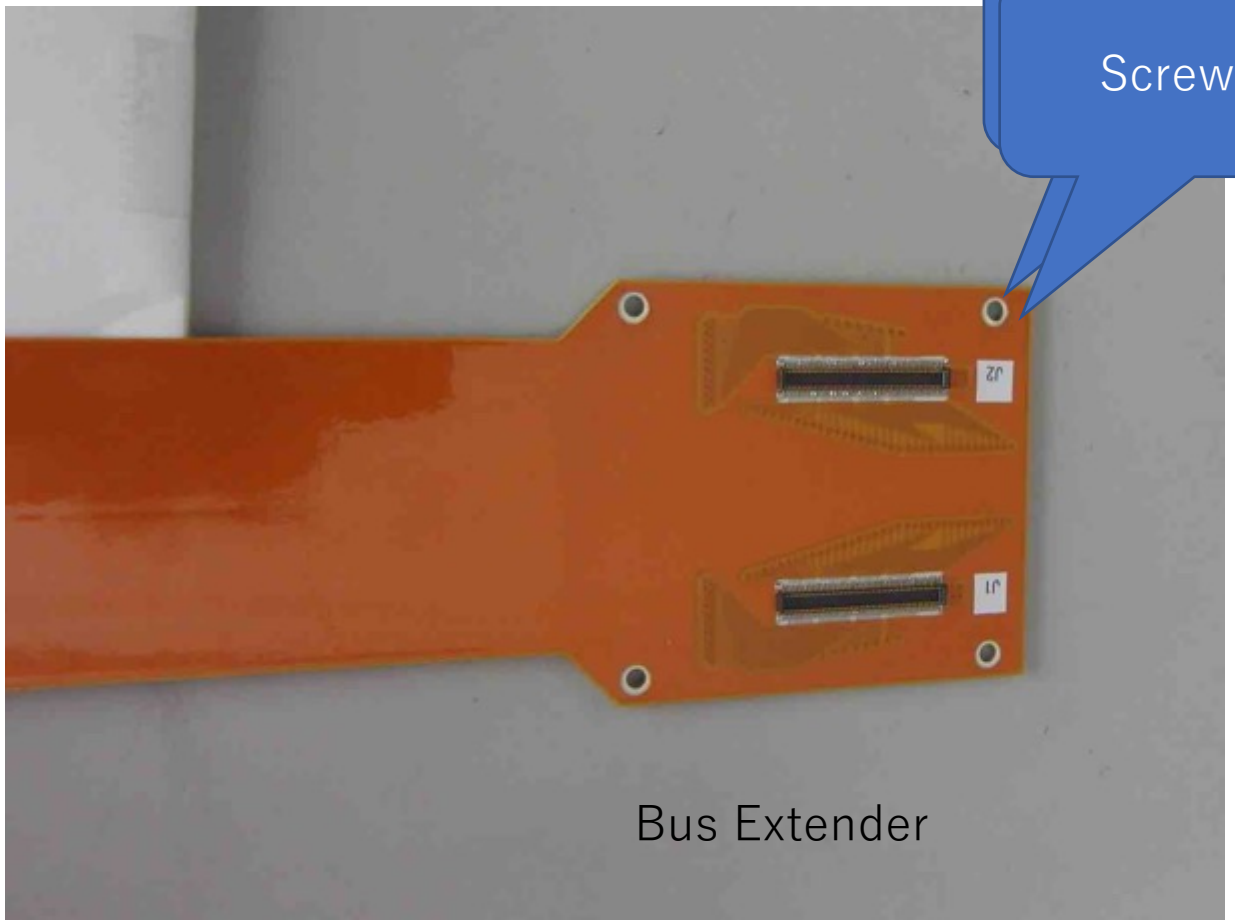
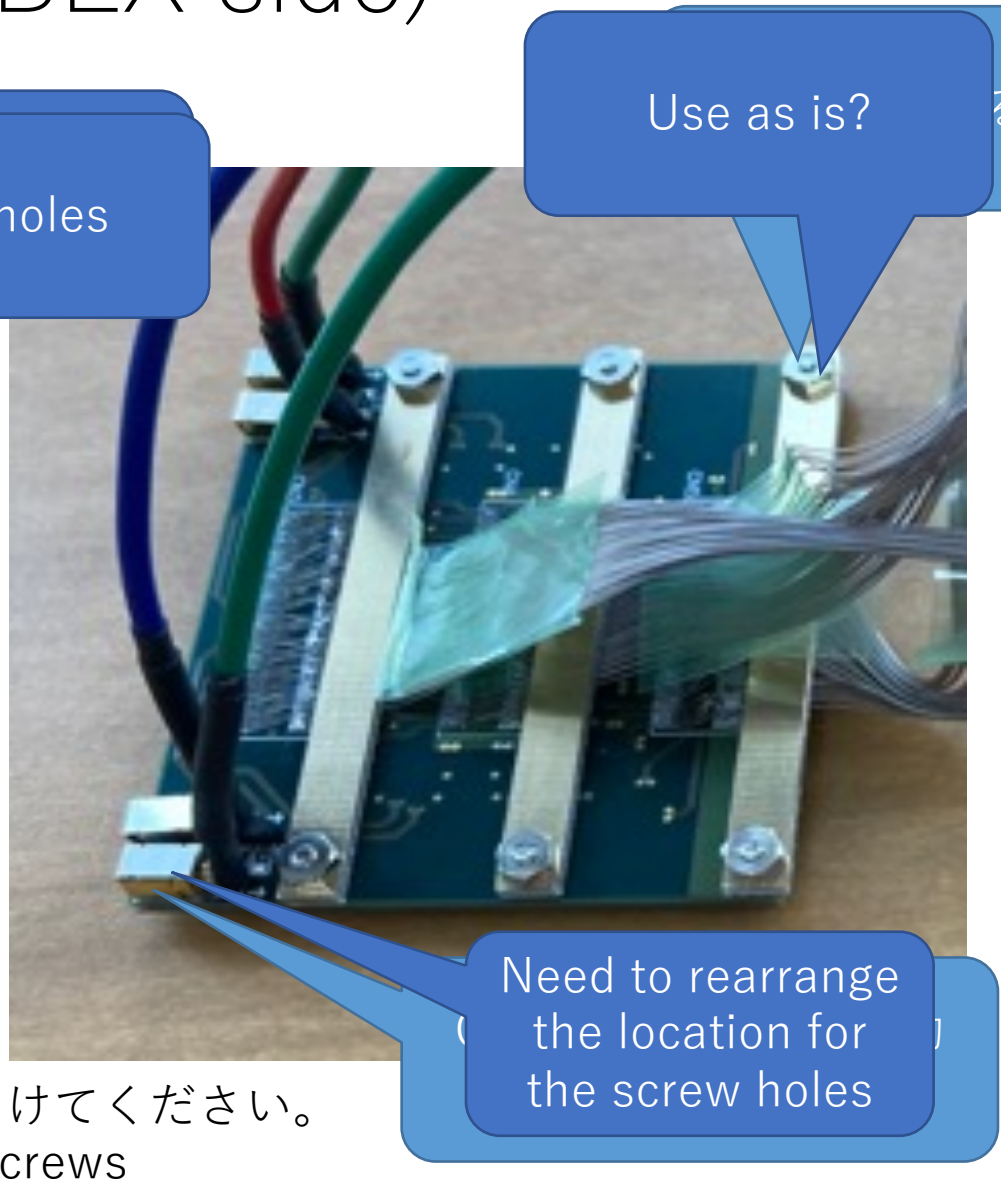
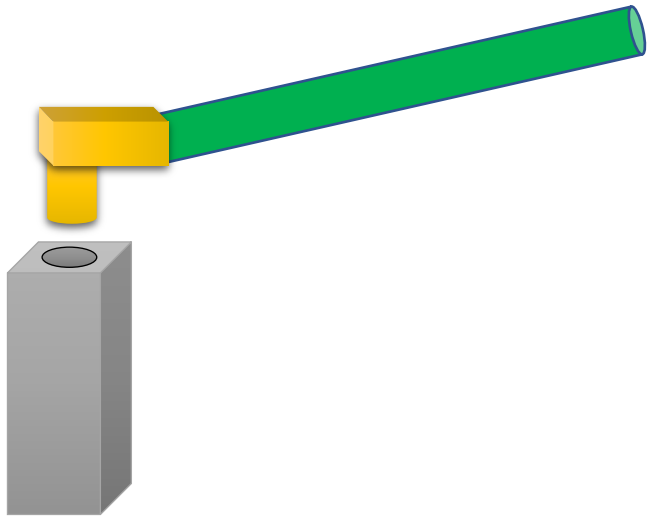
Modification to the board (BEX side)



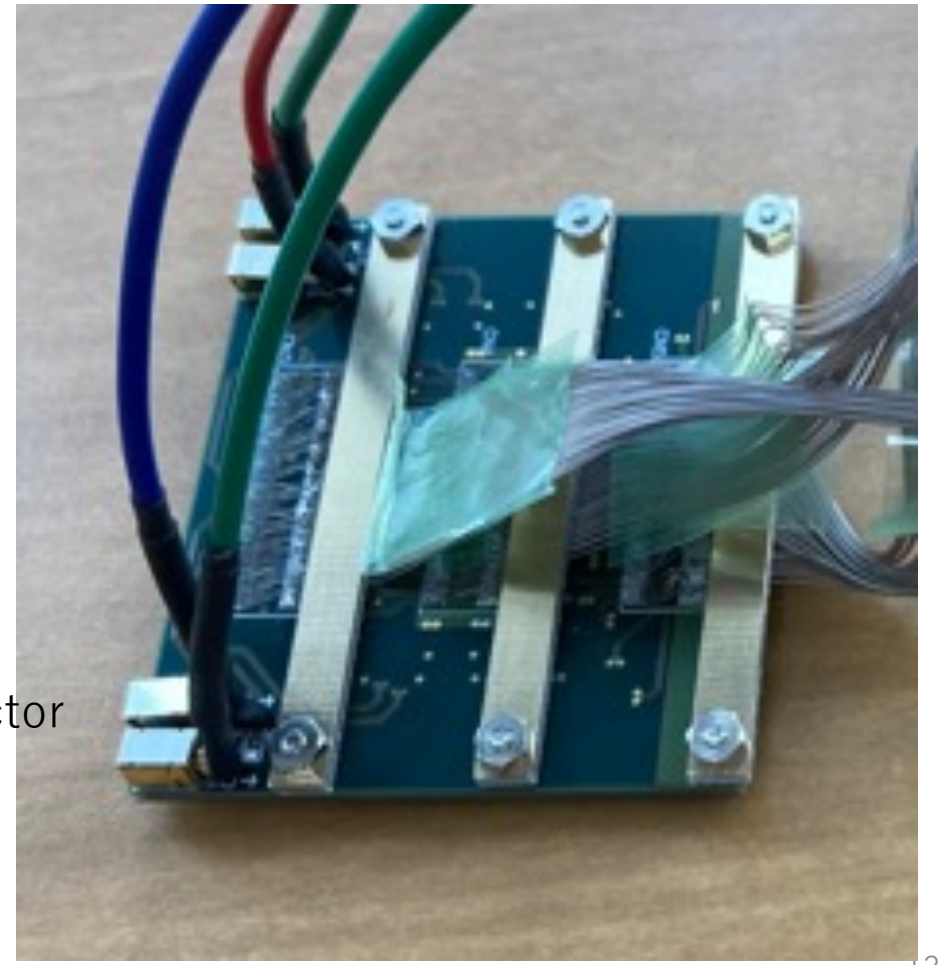


固定用ネジ穴を 4 隅に開けてください。
Implement 4 holes for screws

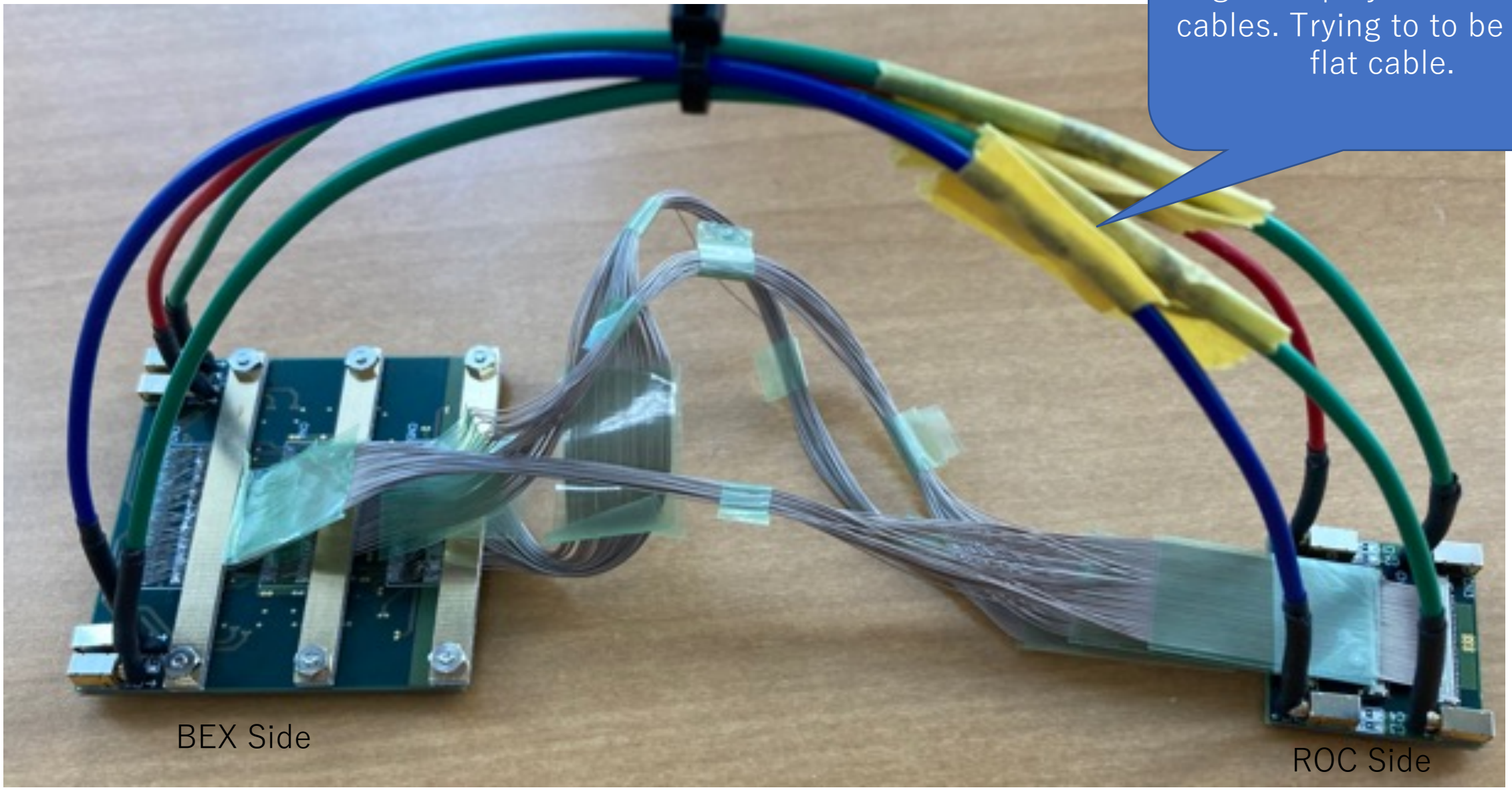
バスエクステンダー側コネクタ基板の改善
Modification to the board (BEX side)

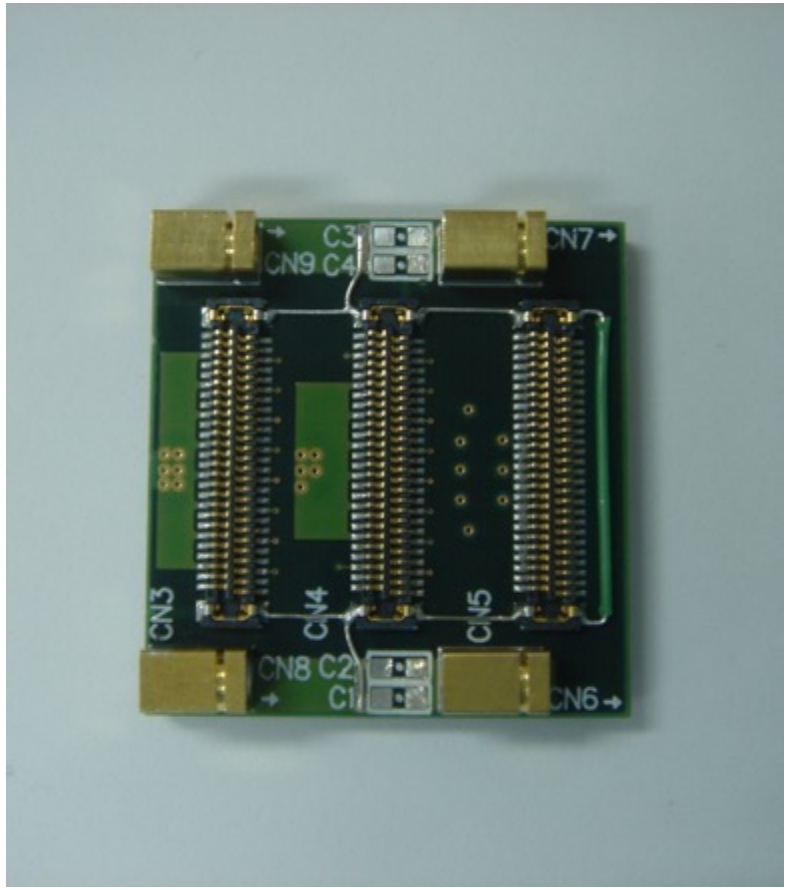


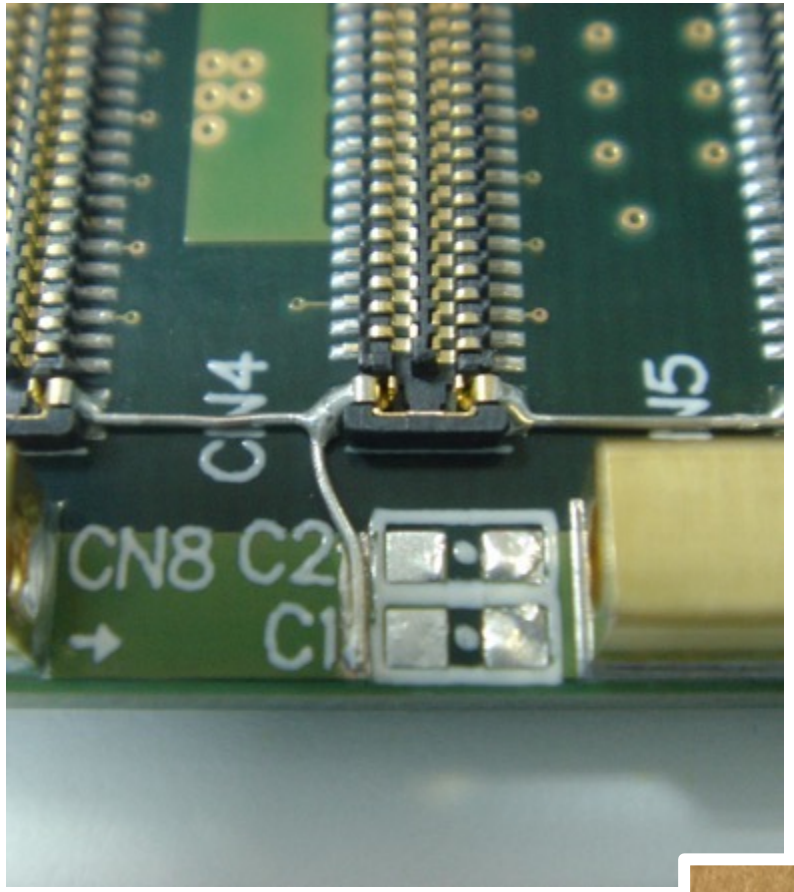
GND Connector

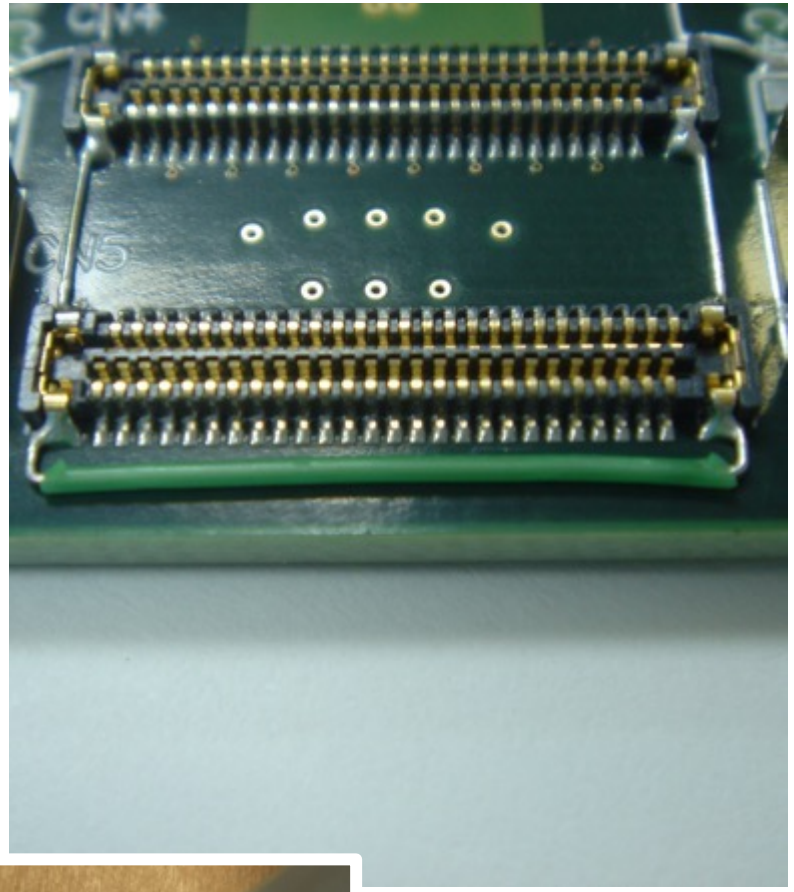


This way, the vertical extension will be suppressed minimum.


GND/Power Cables are too Rigid. Employ more flexible cables. Trying to to be more flat cable.
BEX Side
ROC Side



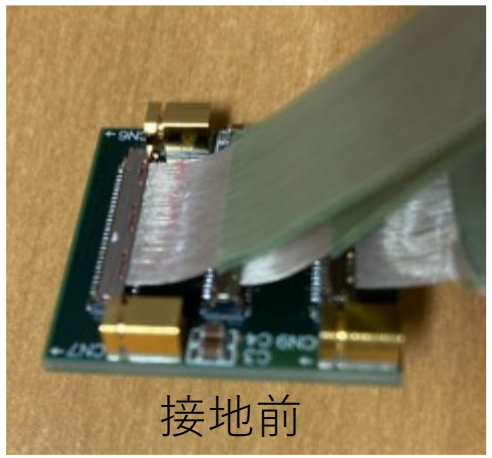




シールド線の接地
Grounding shield lines

To be layout within the pattern of the board

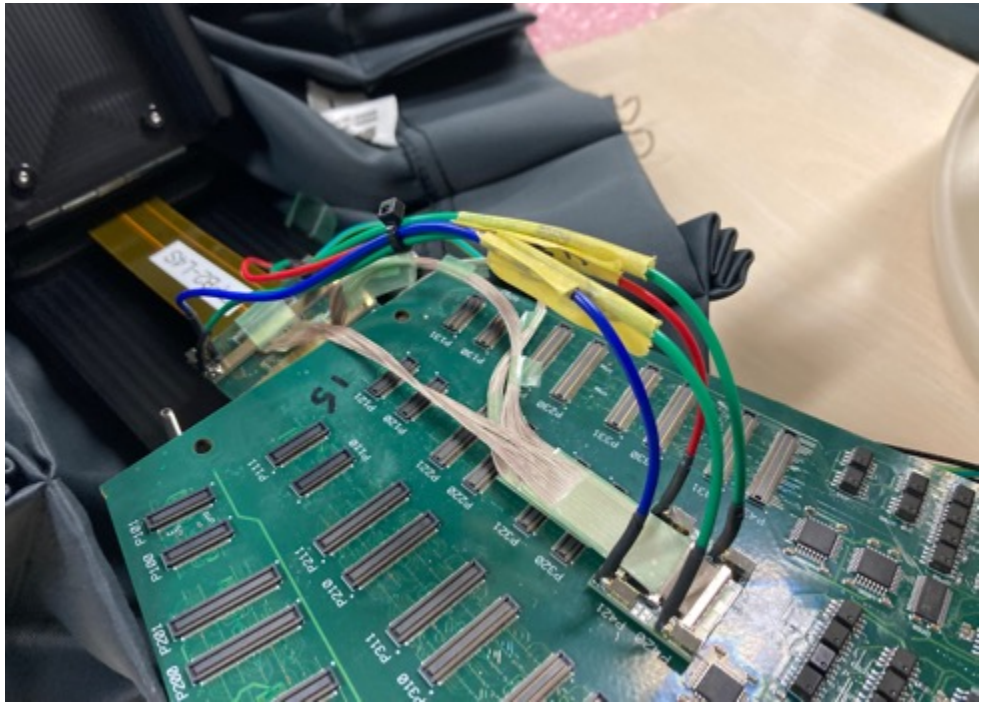
後付けしたGNDラインは基板パターンに埋め込んでください。



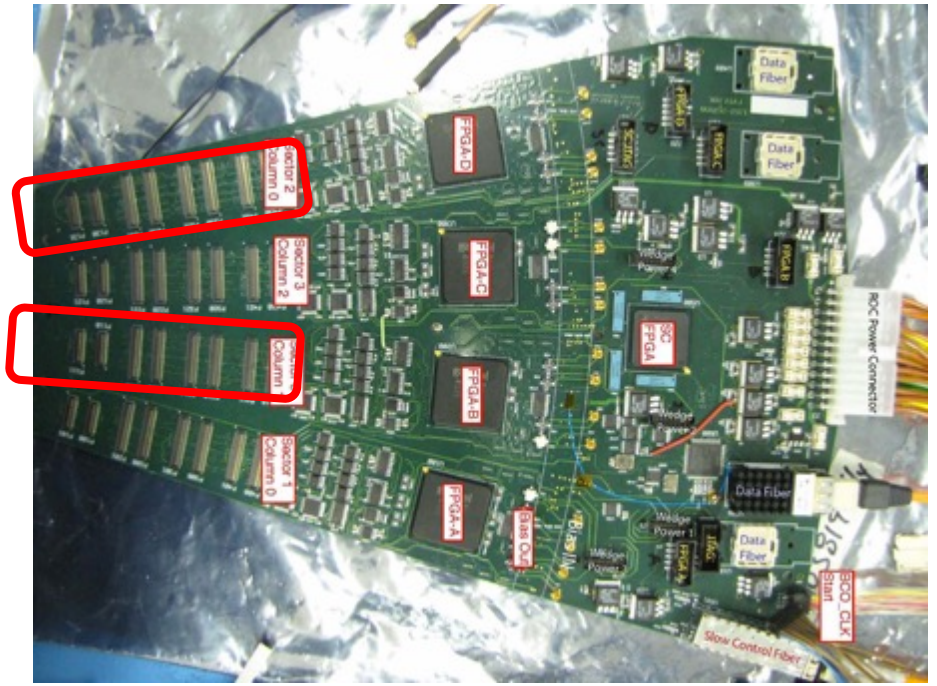
接地前

Modification to the board (ROC Side)

- The current Design is for Column A,C.
- Will make at least one cable for Column B, D in prototype-II



Testing with Column-C




ANYTHING
ELSE!