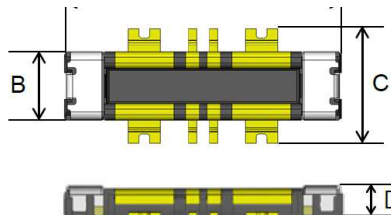
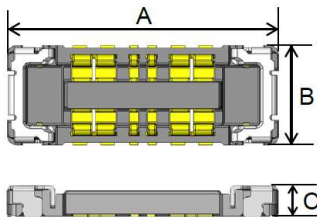


Connection Between Readout and Power Boards

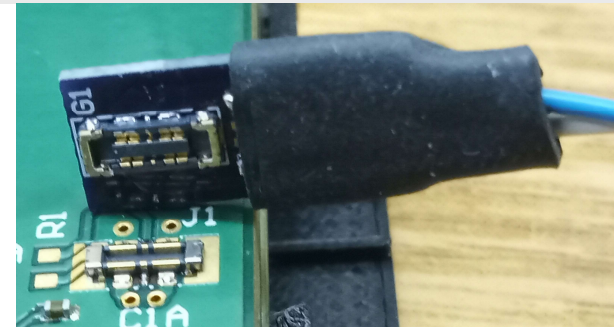
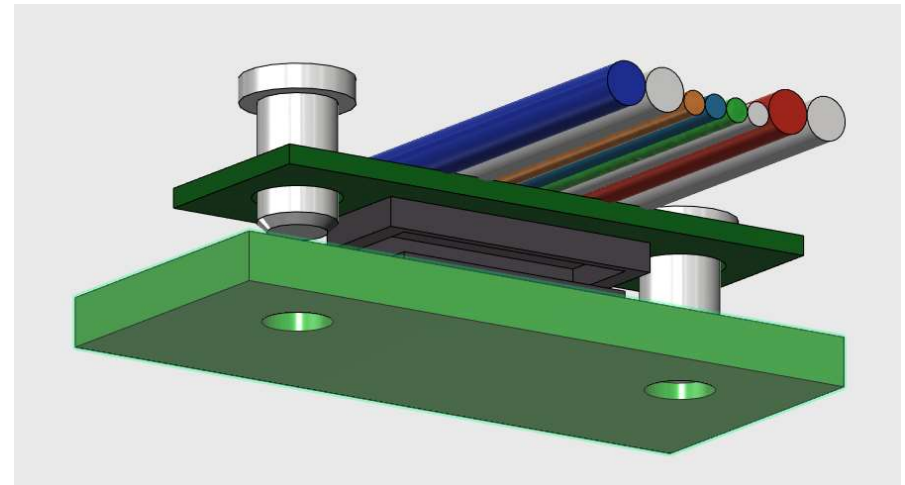
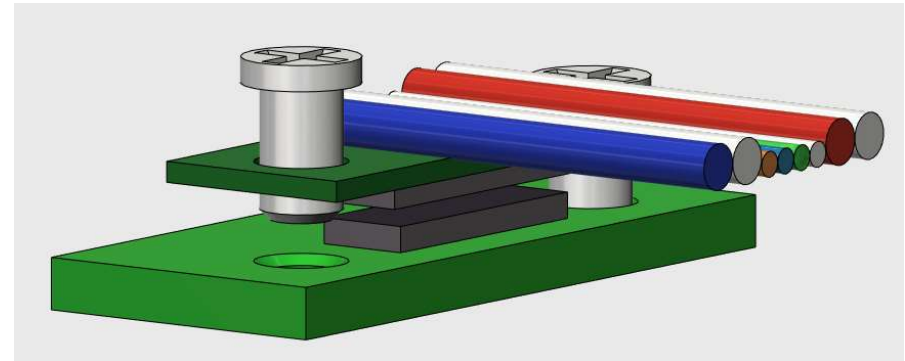
- Pigtail soldered at the PB end
- WP10-*004VA10 connectors at the RB end
 - PEEK M1.6x2.5 screws used to secure connector to the board [PEEK M1.6x2.5](#)
 - M1.6 threaded holes in the board
 - Socket connector on the RB, receptacle at the cable end
 - Stack height:
 - Connector 0.7mm
 - Board 0.4mm
 - Wire 0.75mm OD for AWG22
 - Strain relive 0.25mm ? Can be done similarly to the current connection prototype
 - Step/stl files for the picture available, M10:1



		Unit: mm			
Dimensions		A	B	C	D
Number of Contacts	2	4.80	1.29	2.15	0.59
Number of Contacts	4	5.20	1.29	2.15	0.59



		Unit: mm		
Dimensions		A	B	C
Number of Contacts	2	5.68	2.20	0.70
Number of Contacts	4	6.08	2.20	0.70



BV Connection to Readout Board

- BV connector pcb with 8 round contacts is pushed against the same contact pattern on RB
- Contact and sealing of the pads is provided by PariPoser anisotropic conductive film or similar
 - [PariPoser Anisotropic Conductive Film](#)
 - Same M1.6 PEEK screws are used, as for the LV connector
 - Threaded holes in the board are needed
 - Stack height:
 - Anisotropic film 0.2mm
 - Connector pcb 1mm
 - Wires/screw heads 0.5mm
 - Potting/strain relive ???
 - Step/stl files for the picture available, M10:1

