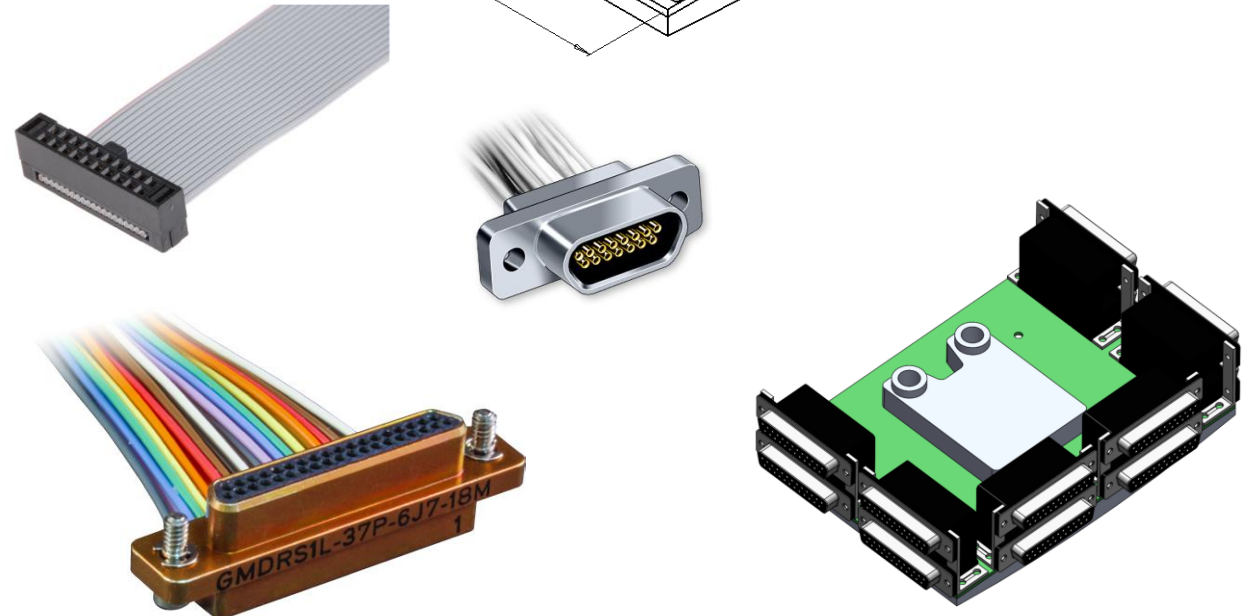
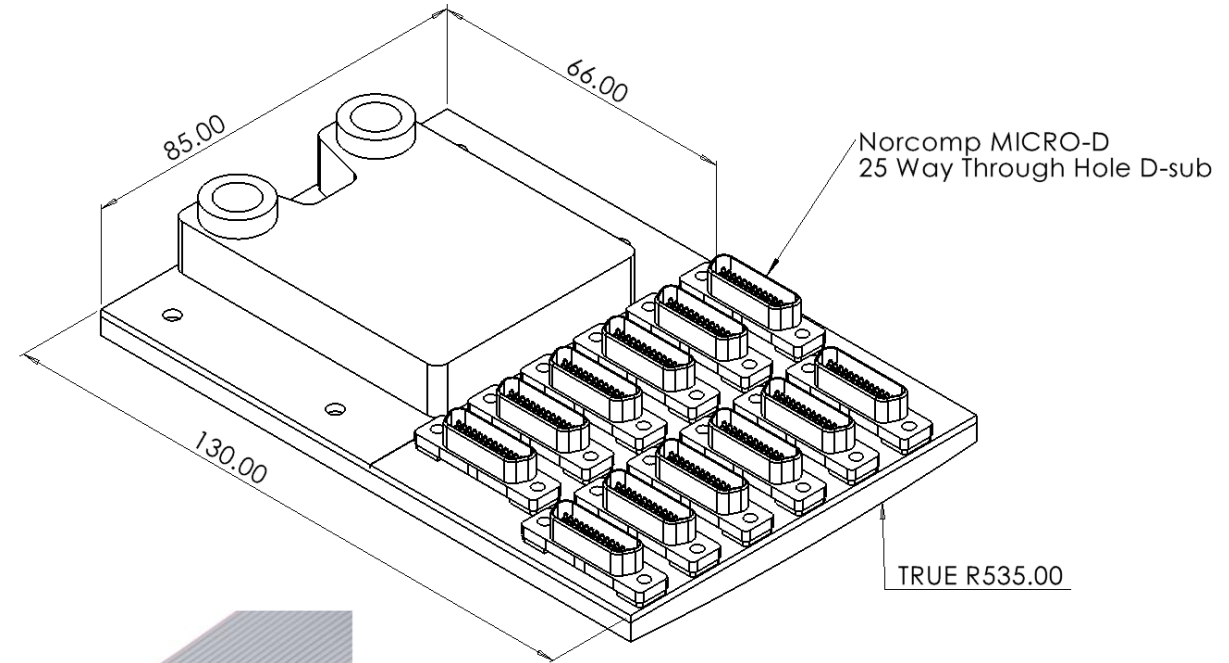


Control Boards & FIB

22/10/2025

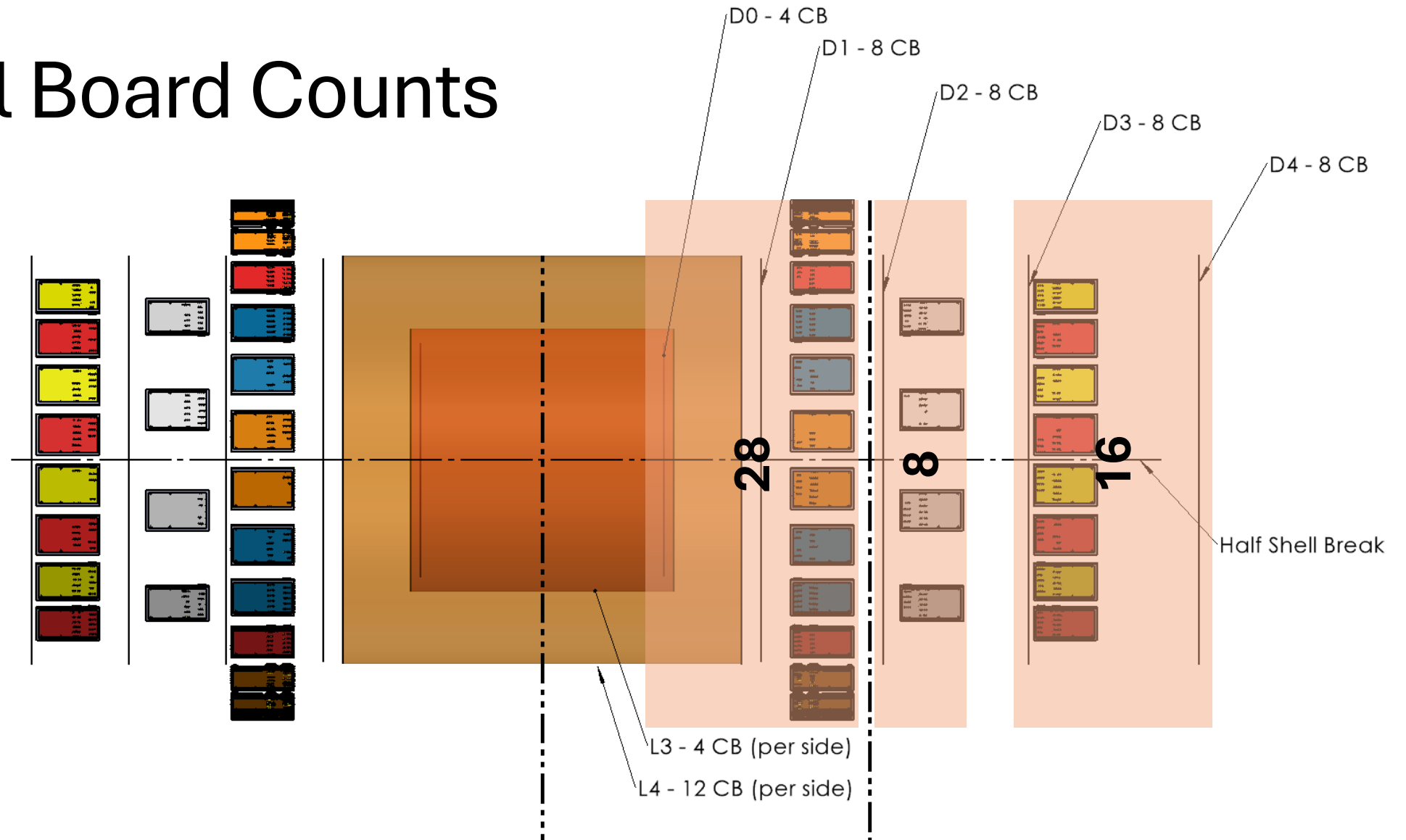
Control Boards

- Requirements:
 - Each control board connects to a maximum of 12 FIB
 - Each FIB ribbon will have approx. 20 ways
- 25-way connectors D-sub and Micro-D (stacked and vertical mount) have been considered
- Micro-D assemblies available down to 30 awg other end would be a Samtec ribbon cable/connector
- Exact connector isn't important for now; we just need to make sure there is enough space for a viable solution
- **Note:** this is a purely mechanical mock-up, feasibility of trace routing in PCB has not been determined



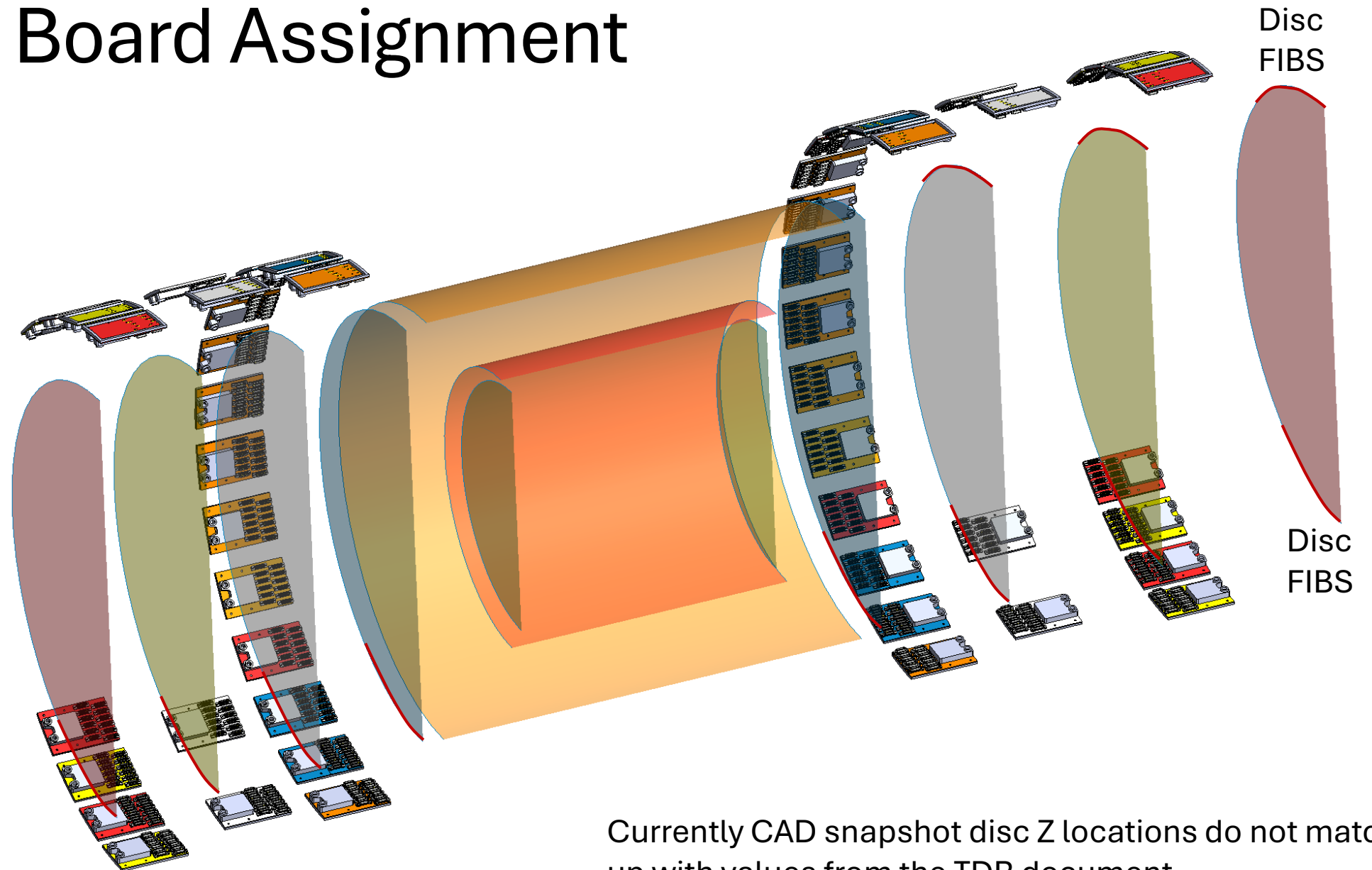
Previous Design - 12 x 25 D-Sub

Control Board Counts



- Number of Control Boards the same on electron/hadron side, only Z spacing may differ

Control Board Assignment



Currently CAD snapshot disc Z locations do not match up with values from the TDR document