

6-pin HV Connectors

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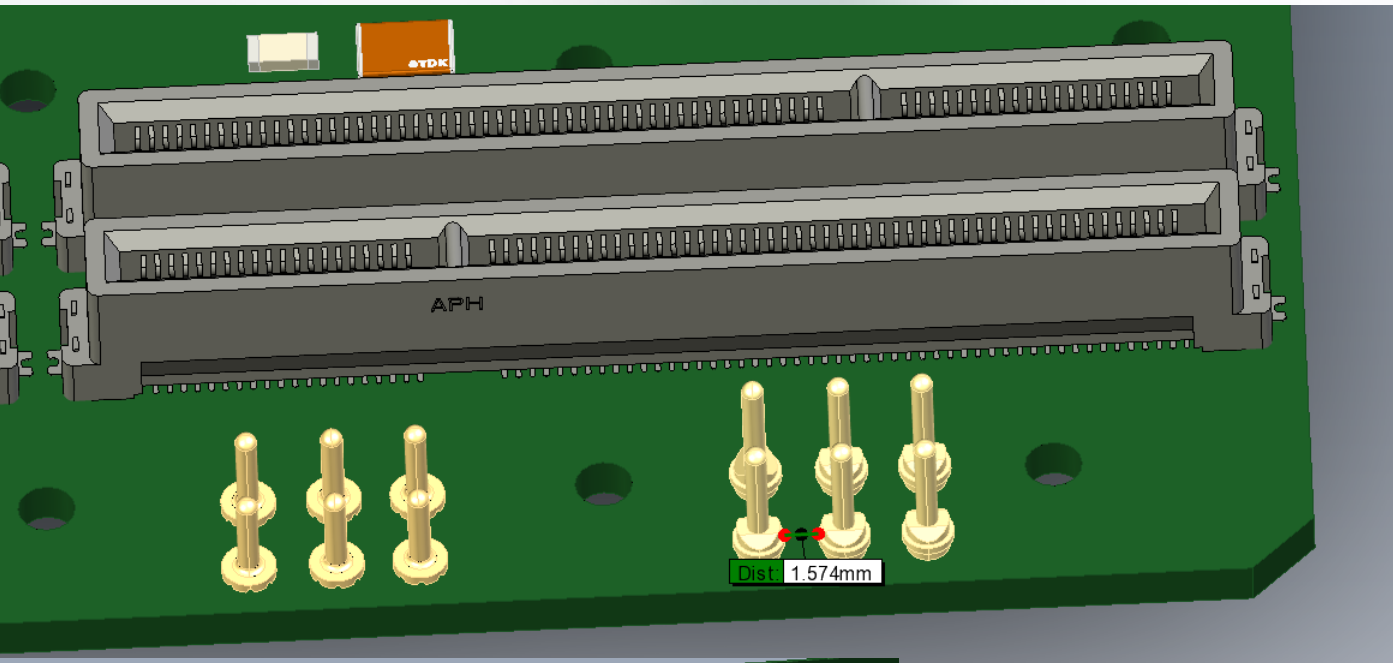
Jefferson Lab



U.S. DEPARTMENT
of ENERGY



6-pin Pogo Pin Arrangements



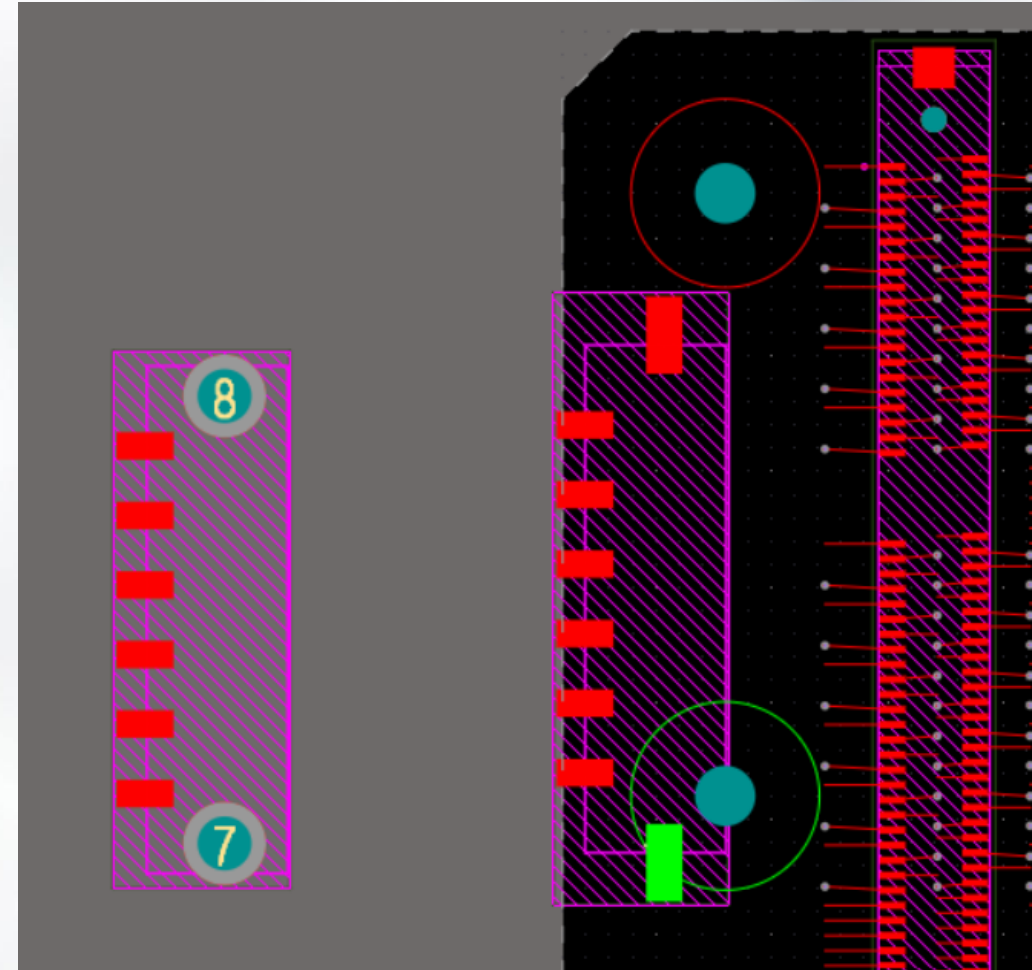
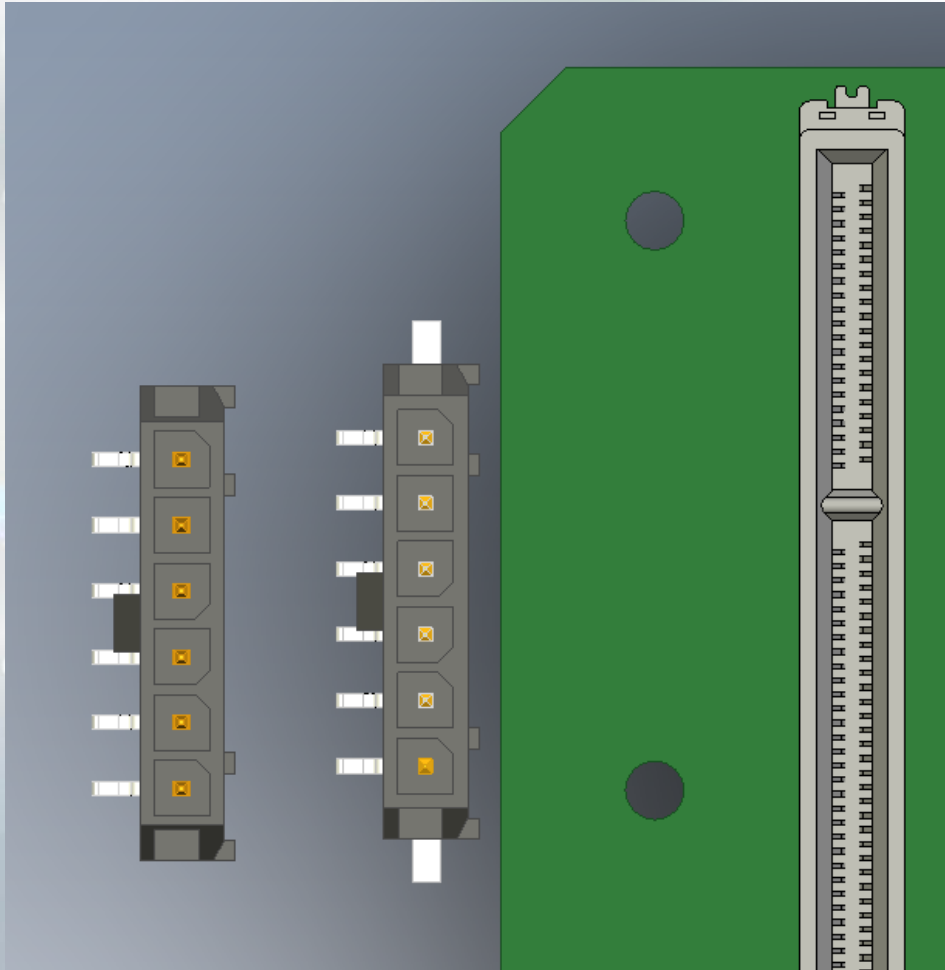
SMT (left),
press fit(right)

Underside of press-fit
pogos

Pogos with 1.5mm clearance
- Would have to shift upper screw hole



6x1 pin Molex Connectors



Left connector: 6-pin with TH anchors

Right connector: 6-pin with SMT anchors

Right picture: Green circles around screw holes are head clearance; TH anchors don't save much space over SMT

3x2 and 3x1 Molex

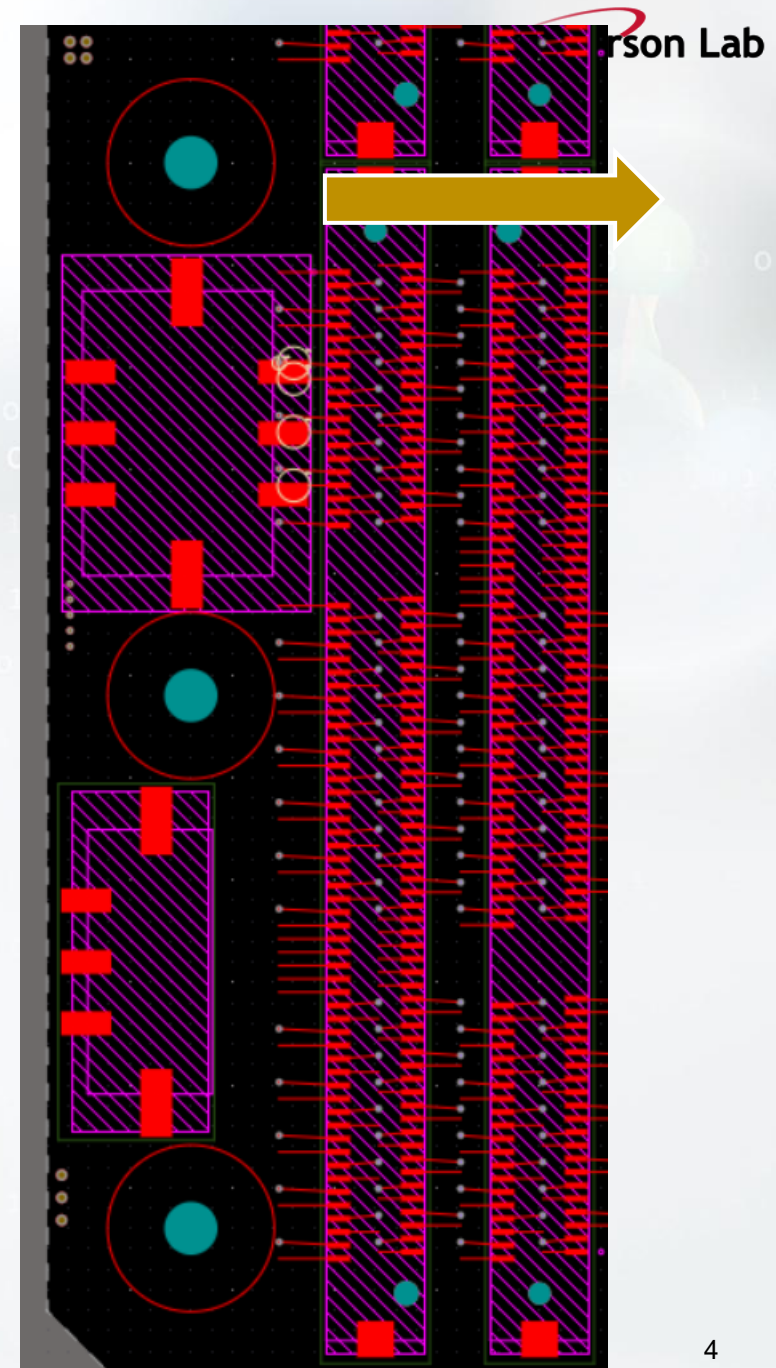
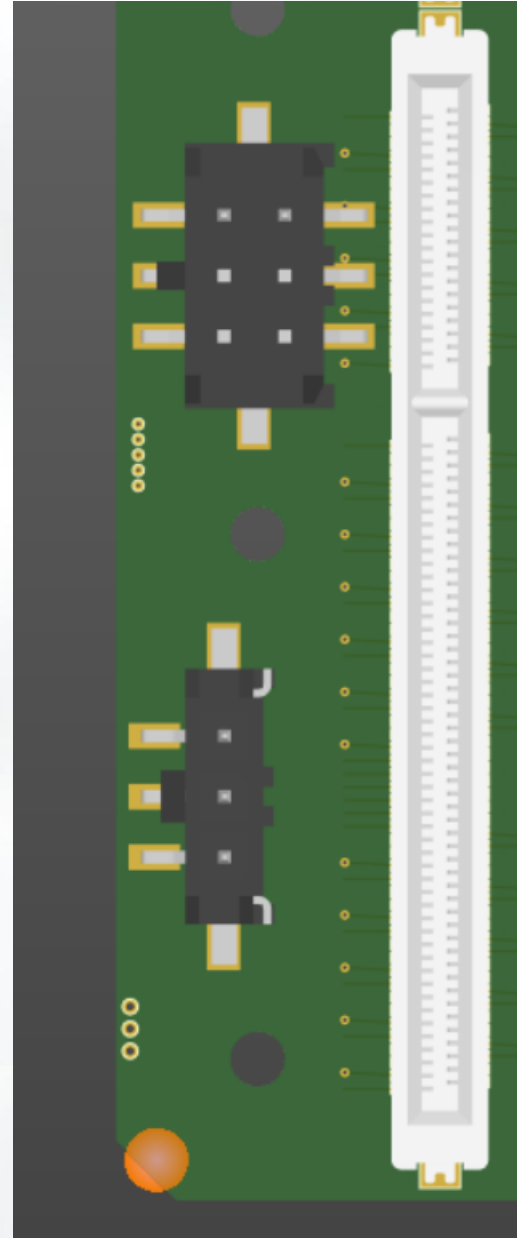
All Molex connectors hi-pot tested at 2.2kV for 1 minute

Top connector: 3x2 Molex

- Amphenol connectors would have to shift right by ~2mm

Bottom connector: 3x1

- Screw holes would have to move some for clearance from mounting pads



Reynolds Bracket

