Mechanical model built using current endplugs (1.9mm pins)

Faraday cage and ground nuts were not included in model

Conclusions (from PCB standpoint)
Scheme is workable
Insertion force is quite high
Misalignment of +/-500um for ground pins is ~ok

Insertion force tested using precision methods!

Initial force: 10kg/board 200g-pin
pins partly inserted: 5kg/board 100g-pin

This could be improved significantly by tapering the pins more gradually.

Remaining concerns:
Attachment of Faraday cage bottom plate
Alignment of ground pins
Forces on endplugs (axial, normal)