

HV Connector and Endcaps, Part III

Here is our next version of the HV – Endcap connection. This still incorporates Mauro's idea of having extra sleeves around the HV pins in the endcaps. In addition, it is now consistent with Bill's drawing of the endcaps, in particular the location of the two threaded holes and the cable tray.

Here is a list of suggested modifications:

1. Add a sleeve around the 4 HV pins – but not the ground connector – on the endcap
2. To accommodate the HV connector and the cable tray we need to modify the diameter of the recessed holes around each HV pin in the endcap from 8.0 mm to 7.5 mm.
3. The wall thickness of the sleeve around the HV pin is 0.5 mm.
4. All the holes remain in their original positions.

The following pages show a bunch of AutoCAD drawings with the modified endcap and HV connector.

The autocad files can be found at

http://www-physics.mps.ohio-state.edu/~klaus/LST/test/tube_endcap_mod.dwg

and

http://www-physics.mps.ohio-state.edu/~klaus/LST/test/hvconn_tube_strain.dwg







