The IEEE-1284 std connector ("mini-centronics") is an attractive choice.

The problem is that it isn’t infinitely small!

Only 34mm is available for the "top exit" idea on the endcape chambers

Worst case for endcap: 4x6 8.5 degree chamber

10mm is left for cable exit. This is okay, but:

- No strain relief for cable is provided
- No latching mechanism for connector is provided
  (we can easily design a small sheet metal retainer)

Barrel Chambers: Right-angle exit between mezzanine boards?