Sentrality Pin and Socket

My design has unique space constraints that limit the height that the socket assembly can protrude above (or below) the printed circuit board (or busbar). Do I need to fund tooling for a custom socket assembly?

No, customer funding is not required. The socket assembly housing is machined, so Molex can position the flange anywhere along the length of the housing body to meet your requirements. Contact your local Molex sales representative for details.

My design has a unique board-to-board, busbar-to-board or busbar-to-busbar stack height requirement. Do I need to fund tooling for a custom-length pin?

No, customer funding is not required. The pin is machined, so Molex can manufacture a pin of whatever length your application requires. Contact your local Molex sales representative for details.

I am interested in purchasing a busbar assembly with Sentrality connectors already attached to it rather than individual Sentrality pins and sockets. Is Molex able to provide integrated busbar solutions?

Yes. Molex has a business segment that designs and fabricates busbars. This business segment also designs and manufactures fully integrated busbar solutions. Contact your local Molex sales representative for details.

What is the minimum board-to-board stack height that can be achieved using a Sentrality pin and a Sentrality surface-mount or knurled press-fit socket assembly?

The minimum achievable board-to-board stack height is determined by the Sentrality pin you select for your design.

- The minimum stack height when mating a Sentrality knurled press-fit pin and a surface-mount or knurled press-fit socket is 1.50mm.

- The minimum stack height when mating a Sentrality surface-mount pin and a surface-mount or knurled press-fit socket is 1.75mm.

- The minimum stack height when mating a Sentrality screw-mount pin and a surface-mount or knurled press-fit socket is 4.50mm.