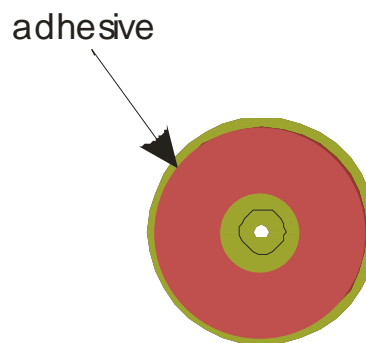


## Bonded Port Connector Installation Instructions

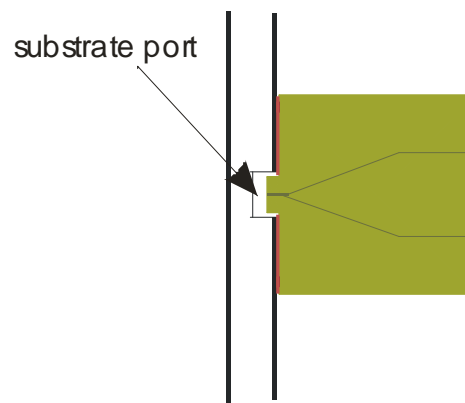
The Bonded Port Connector provides a reliable fluid interface for Lab-on-a-Chip applications. The C0400-Ultem connector will interface port size of approximately 1 mm.

### View video instructions for applying epoxy to bonded port connectors.

1. Thoroughly clean the substrate with alcohol.
2. Apply adhesive\* to the bottom of the bonded port connector. Spread to an even layer ~.5 mm thick using a toothpick or other small applicator around the outer edges of the connector, keeping the middle ~third of the connector clear of the adhesive.



3. Place the bonded port connector on the chip, being careful to align the connector so the shoulder sits inside the port and the bonded area is flush with the substrate.



4. Apply pressure just until the adhesive is evenly spread across the bonded port connector and no voids are seen on the chip. If the chip is transparent this is easiest done looking through the chip at the bottom of the bonded port connector.
5. Place the chip with the bonded-port connector facing up. Place a small weight (such as a coin) on top of the bonded-port connector and allow the adhesive set to undisturbed for the recommended cure time (for the LS-EPOXY the set time is 2 hours, full cure time is 24 hours).

\* Recommended adhesive: two-part epoxy such as 3M DP-420 (sold by LabSmith as p/n: LS-EPOXY).