## **PRC IAB Meeting**

## High Reliability Demonstration of 3 µm Photo-Vias in PID material for 2.5D Glass Interposer Applications

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Objective:

- Challenge for high-density packaging is to maintain high reliability. To improve the package reliability, the high resolution dielectric material should have low CTE and strong adhesion.
- □ Technical Approach:
  - By minimizing the size of inorganic fillers, PID material with high resolution, low CTE, and good adhesion to substrate are produced.
- Latest Results:
  - 3 µm photo-microvias, with excellent adhesion were demonstrated in a PID material.
  - Very stable daisy chain containing 400 microvias with 3 µm diameter passed 2,000 cycles of TCT reliability test.







