



microPEM® TackSert® Pin: Custom-Engineered Solution Delivers 50% Reduction in Parts per Units

Design-engineered solution reduced parts per unit – driving significant cost savings in addition to providing tamper-evident features and improved cosmetic look.

OVERVIEW

Customer:
**Global Technology
Company**

Application:
**HDD Carrier/SSD
Rack Assembly**

Solution:
TackSert® Pin



CHALLENGE

**Increased Power Output Demand
for Electric Power Pack System**

- Fasten plastic handle of HDD carrier to 2 metal components of SSD rack
- Wanted solution for easy, fast installation
- Drawbacks using screws in assembly process
- 8 parts required – 4 screws, 4 inserts
- Joint strength limitations
- Screws not tamper-resistant
- Screw fastening weakened by creep



SOLUTION

microPEM® TackSert Pin

- Cost-effective alternative to micro screws
- Strong attachment of thin sheets to plastics in compact assemblies
- Eliminates need to tap or use threaded inserts during install
- Low-profile head minimizes protrusion on top panel
- Unique design for reliable, effective performance
- Tamper-evident features



RESULTS

**50% Parts Reduction with Significant
Cost Savings**

- New TackSert® Pins reduced parts per unit from 8 to 4
- Provided easy, fast installation
- Improved cosmetic look of the assembly
- 2+ million rack units using TackSert® solution produced annually
- TackSert® production will continue for next-generation carriers

