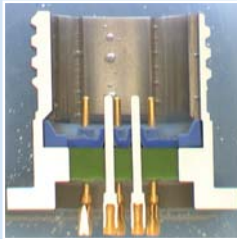




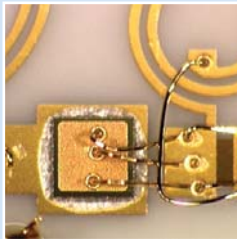
## COMPONENT ANALYSIS

One of the most significant aspects of DPACI's business is its exceptional component analysis laboratory that supports the efforts of fabrication, assembly and testing of components and devices. This state-of-the-art laboratory performs four major analytical functions to ensure that components and devices are fabricated to highest standards.



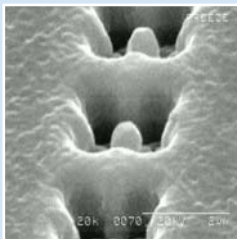
### Destructive Physical Analysis (DPA)

This rigorous process of sample testing establishes a baseline specification and ensures that a high reliability component or device is fabricated to the required standards. Key steps in this process include: External Visual, Electricals, RGA, Fine & Gross Leak, Decapsulation, Internal Visual, X-Ray, Cross-Sectioning, SEM, EDXA, C-SAM and Bond Pull testing as a standard for military and space requirements of MIL-STD-883, MIL-STD-1580, SSQ25000, GSFC-S-311-70.



### Failure Analysis (FA)

DPACI's extensive failure analysis capabilities provide critical support to our own in-house manufacturing efforts and offer an unparalleled resource to our customers for analysis of their component and equipment problems. By thoroughly analyzing failure modes, solutions to difficult production problems can be identified early, before they show up as widespread device or component failures. Coupled with DPACI's infrastructure of comprehensive parts testing in electrical, environmental, mechanical and analysis laboratory under one-roof, our Failure Analysis Laboratory is a Turn-Key Solution to your answer for parts problems.



### Materials Analysis

DPACI is fully equipped to perform in-depth materials analysis. Our capabilities for materials analysis include, but are not limited to: metals, continuous fiber reinforced composites, ceramics, and polymers. Materials analysis uses the same rigorous methods that are used in all of our analysis procedures. Pure tin and RoHS compliance analyses are commonly performed.

