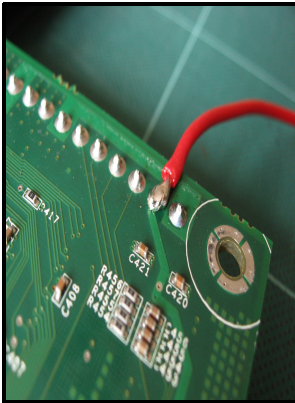


Solder joint technology - materials, properties, and reliability

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Solder Joint Technology

If the material properties of coatings and pottings are not understood during the design process, they can create complex loading conditions that negatively affect solder joint reliability. Even a relatively small proportion of solids in the liquid can dramatically lower its fluidity.

Solder Joint Reliability

Three sections in each module were maintained at 85 degrees C, 95 degrees C, and 105 degrees C during the 15-minute high temperature dwell time. This is referred to as the paste:ball volume ratio.

Understanding the Reliability of Solder Joints Used in Advanced Structural and Electronics Applications: Part 2

Finely distributed intermetallics in a ductile matrix yield a hard alloy while coarse structure gives a softer alloy.

Physical And Mechanical Properties Of Intermetallic Compounds Commonly Found In Solder Joints

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Ning-Cheng Lee Ning-Cheng Lee is the Vice President of Technology of Indium Corporation.

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