NINETEENTH ANNUAL Burn-in & Test Strategies Workshop

March 4 - 7, 2018

Hilton Phoenix / Mesa Hotel Mesa, Arizona

Archive

COPYRIGHT NOTICE

The presentation(s)/poster(s) in this publication comprise the Proceedings of the 2018 BiTS Workshop. The content reflects the opinion of the authors and their respective companies. They are reproduced here as they were presented at the 2018 BiTS Workshop. This version of the presentation or poster may differ from the version that was distributed in hardcopy & softcopy form at the 2018 BiTS Workshop. The inclusion of the presentations/posters in this publication does not constitute an endorsement by BiTS Workshop or the workshop's sponsors.

There is NO copyright protection claimed on the presentation/poster content by BiTS Workshop. However, each presentation/poster is the work of the authors and their respective companies: as such, it is strongly encouraged that any use reflect proper acknowledgement to the appropriate source. Any questions regarding the use of any materials presented should be directed to the author(s) or their companies.

The BiTS logo and 'Burn-in & Test Strategies Workshop' are trademarks of BiTS Workshop. All rights reserved.

www.bitsworkshop.org

Session 5 Presentation 6

Semiconductor Device Manufacturer

Life Cycles of Sockets; Specification vs Reality and Setting Standards

Texas Instruments James Tong



BiTS Workshop March 4 - 7, 2018



Burn-in & Test Strategies Workshop

Bits 2018

www.bitsworkshop.org

March 4-7, 2018

BiTS 2018

Semiconductor Device Manufacturer



Burn-in & Test Strategies Workshop

www.bitsworkshop.org

March 4-7, 2018

BiTS 2018

Semiconductor Device Manufacturer



Semiconductor Device Manufacturer

Santa's List

The "Not-Me-Too" Supplier

Product distinction

- Cres stability

Bits 2018

- Pin structure design, Plunger material and hardness, Spring material and characteristic
- Temperature, current, plating of plunger and barrel if applicable

Support distinction

- Application support from supplier
 - Hot switching, Residual electrical charge handling, Current load sharing and distribution
- Standardization
 - Current carrying capability using METS
 - Insertions life expectancy base on test application
 - Compress pin height
 - Common test guide line of specifying solution for high speed broadband and/or RF test needs





Contactor Live Cycles Panel Session – Texas Instruments

Burn-in & Test Strategies Workshop