July/August 2013 Newsletter

What to Do on Your Summer Vacation:

If you are looking for something to do on your summer vacation, you’ve come to the right place! You won’t find the latest zombie movie, animated wonder, or sizzling summer novel, but you will find some of our most popular articles, white papers, presentations, and webinars in this issue for your summer reading and viewing pleasure. So sit back, relax, and enjoy. Don’t forget the popcorn!

CUSTOMER FAVORITES

Failure Analysis: The Right Way – Counterfeit Diode Investigation

If you missed this White Paper, read this example of how DfR Solutions helped a customer identify the root cause of diode failures occurring in their broker distribution channels.

Reliability Modeling of Electronics for Co-Designed Systems Applications

If you missed the DfR Solutions presentation at Design Con 2013 given by Greg Caswell, view it here. You’ll learn about high reliability applications, common issues, lifetime expectations, failure mechanisms, a virtual qualification approach, and the automated design analysis solution. For questions, please contact Greg Caswell.

COMING SOON TO A LOCATION NEAR YOU!

July 22-24: DfR Solutions visiting Bay Area
August 12-15: DfR Solutions visiting Boston Area
August 13-14: RoHS Reliability Summit Conference, Andover, MA
August 19-23: DfR Solutions visiting Michigan
September 13: SMTA – West PA Chapter Meeting. Cheryl Tulkoff presents full day tutorial, Design for Manufacturability.
We’d be happy to visit you when we are in your area. Click here to set up a meeting.

BLOCKBUSTER HITS!

If you missed any of these popular webinars, not to worry! Click on the title below to view the recording. Or visit our website for the complete list of previous webinar topics. Please note that the recordings may take a few seconds to launch.

Introduction to Physics of Failure Reliability Methods
Temperature Cycling in Electronics
Design for Reliability at the Board Level
Failure Analysis in Electronics
How Many Ways Can You Mess Up a Circuit Board?

Why PoF is Now Important

DfR Solutions offers a four hour course entitled “Design for Reliability and Sourcing of Printed Circuit Boards.” This course presents insight into the issues with circuit boards, components, materials, and manufacturing that can impact a reliable circuit board configuration. Here’s a short element of the course for you to download. If you would like this course presented at your company, contact Cheryl Tulkoff.

STAFF PICKS

A Change in Paradigm: Maximum Tin Whisker Lengths Just Got Longer
This is Not a Test
Heatsink Optimization
Obsolescence Management and the Impact on Reliability

SUMMER SPOTLIGHT

Let it Flow

Proper circuit board fabrication is a challenging and difficult endeavor, particularly since the complex composites with anisotropic properties that change with time and temperature can be difficult to predict and control. This month’s article in Global SMT addresses this very issue. Enjoy reading it. If you have any questions please contact me, Craig Hillman.

How Hot is Too Hot?

Power supply engineers have access to more powerful thermal simulation tools than ever before. Finite element analysis and computational fluid dynamics can provide highly accurate predictions for even very complex thermal management solutions. However, these new capabilities fail to answer the most critical question: How hot is too hot? Enjoy this article previously published in January, 2012 in Power Electronics Magazine.

©2013 DfR Solutions LLC

Click here to unsubscribe

9000 Virginia Manor Rd, Suite 290, Beltsville, MD 20705

©2016 DfR Solutions All rights reserved.