

## FOR IMMEDIATE RELEASE

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### **US Navy Selects DfR Solutions for Pb-Free Solder Reliability Research**

*Vibration and Mechanical Shock Issues will be Addressed in the Study*

**College Park, MD – March 30, 2009** – DfR Solutions today announced it has been chosen by the United States Navy to perform a study on the reliability of Pb-free solder when exposed to vibration and mechanical shock. The Navy chose DfR Solutions because of the firm's proven reputation as an industry leader in Pb-free solder research.

The pressure to move to Pb-free has intensified within the supply chain. However, Pb-free electronics have a history of poor performance when exposed to vibration or mechanical shock. This poor performance has led to concerns within the military community about the reliability of Pb-solder.

“We are proud to be recognized as a Pb-free center of excellence by the Department of Defense,” said Dr. Nathan Blattau, Chief Scientist of DfR Solutions. “We see a real opportunity to quantify the reliability of Pb-free solder under complex mechanical loads and take some of the uncertainty out of Pb-free in military applications. Companies that partner with us on this activity will have access to data and analysis critical for a successful Pb-free transition.”

DfR Solutions is actively looking for industry and academic partners to participate in this wide-ranging study. Information about the Pb-free research study and possible involvement may be obtained by contacting Dr. Bob Esser ([besser@dfrsolutions.com](mailto:besser@dfrsolutions.com)) or Dr. Nathan Blattau ([nblattau@dfrsolutions.com](mailto:nblattau@dfrsolutions.com)).

#### **About DfR:**

DfR Solutions has world-renowned expertise in applying the science of Reliability Physics to electrical and electronics technologies, and is a leading provider of quality, reliability, and durability (QRD) research and consulting for the electronics industry. The company's integrated use of Physics of Failure (PoF) and Best Practices provides crucial insights and solutions early in product design and development

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## 2-2-2 DfR Solutions Selected by the U.S. Navy

and throughout the product life cycle. DfR Solutions specializes in providing knowledge- and science-based solutions to maximize and accelerate the product integrity assurance activities of their clients in every marketplace for electronic technologies (consumer, industrial, automotive, medical, military, telecom, oil drilling, and throughout the electronic component and material supply chain). For more information visit [www.dfrsolutions.com](http://www.dfrsolutions.com).

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