

**From:** SAE International / Tech Briefs <response@abpi.net>  
**Sent:** Friday, June 21, 2013 11:30 AM  
**To:** Stephanie Stroud  
**Subject:** Your June 21 E-Source: 9 New Products for Aerospace

SAE International / TECH BRIEFS

Aerospace

# Engineering E-Source

## New Products for Design Engineers & Managers

### [Solder Products That Improve Reliability and Yields](#)

Mission-critical military, defense, and aerospace electronics require dependable performance and exceptional long-term reliability. Nordson EFD offers a wide range of RMA solder pastes with higher activity to ensure good wetting – even with oxidized printed circuit boards and component leads. Call 800-556-3484 for application assistance and to request a free copy of our "Reliable Solder Solutions" brochure.

[More Information](#)

### [FRED Optimum Optical Engineering Software](#)

FRED Optimum Optical Engineering Software is capable of simulating the propagation of light through any optomechanical system by raytracing. Whether the design is imported from CAD, a lens design program, or constructed from within the software itself, FRED provides engineers with the essential tool for virtual prototyping of optical systems.

[More Information](#)

### [VIVISUN's LOGIC Module Lets You Think "Inside" The Box](#)

The LOGIC Module from VIVISUN delivers targeted solutions to common logic and interface issues. The LOGIC Module provides system designers a ruggedized, rail-mountable unit with integrated mix-and-match component functionality that includes latching flip-flops, edge-detecting pulse timers, and Boolean relay logic.

[More Information](#)

### [Bellows Valve Seals Eliminate O-Rings](#)

BellowsTech valve seals, manufactured using bellows technology, can eliminate O-rings to increase compatibility and reduce potential leak paths. Bellows technology creates a uniform outside wall for consistent movement under hydraulic pressure. Various sizes and stroke lengths are offered. Download a complete list of bellows sizes available below.

[More Information](#)

### [Master the Complexity of Your AFDX and CAN Systems](#)

CANoe.AFDX is ideal for testing and analysis of entire AFDX and multi-bus networks as well as individual devices. Regardless of whether raw frames or payload contents are needed – Vector's tool offers powerful analysis functions on all levels.

[More Information](#)

### [Low Resistance Measurements Made Safely \(No Spark\) and Accurately](#)

Determining metal to metal **bond** class compliance in a **hazardous** volatile fuel air environment, explosive safety testing "**squib or EED**" continuity, or general component resistance (switches, fuses, transformer winding resistance) testing. AMPTEC RESEARCH offers the widest variety **ATEX EEX** Intrinsically Safe Qualified, **portable** field (IP-54 rated) use, bench use and commercial Micro-Ohmmeters and Milli-Ohmmeters.

[More Information](#)

### [Gasket Resin Resists High Temperatures](#)

Chemical and moisture resistant FIP gasket cures with light in seconds! Dymax GA-145 is for applications where soft, tack-free, low-outgassing, flexible gaskets with compression set are required. It resists high temperatures while maintaining superior adhesion and flexibility. Dispense in complex configurations.

[More Information](#)

### [PCB Piezotronics Dual Bridge Load Cells](#)

Series 1400 Dual Bridge Load Cells have a dual output with moment compensation for aircraft structural, lifetime, and fatigue testing. The load cells offer sensor redundancy and the ability to provide control feedback from one sensor while the other is used for data acquisition.

[More Information](#)

### [Thermally Conductive Vibration Isolator](#)

Do you have a requirement for a vibration isolator but also need to shed waste heat? Conventional rubber isolators act as an insulator. Welded metal bellows vibration isolator designs can be tuned for a broad range of multi-axis vibration conditions and the all metal construction is thermally conductive.

[More Information](#)

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