Product showcase

Interconnect system

The GORE Ultra High Density Interconnect System from **W.L. Gore** is a cable-to-board and cable-to-cable coaxial interconnect that provides high-density performance for high-speed signals. The system interconnects test heads and probe cards used in automated test equipment (ATE), front-of-system connections, and backplanes in high-data-rate applications, as well as bench-top testing. It is compatible with ATE that provides performance up to 15 GHz, and supports data rates up to 10 Gbits/s. The interconnect system consists of PC board-mounted interposers/headers and low-loss coaxial assemblies that can be ganged together in multi-position housings for high packaging densities.

For more information, circle 100

Smart accelerometer

The Platinum Digital Smart Accelerometer from **Summit Instruments** supplies configurable analog and digital output of acceleration measurements in a 2-in^3 rugged case. Digital output provides compensated and filtered data that can be streamed via RS-485 or IRIG-106 encoded PCM (pulse code modulation) at up to 3 Mbit/s. High (±40) and low (±5) *g* models come in uniaxial, biaxial, or triaxial configurations. Windows-based software allows the user to configure the range, filter, sample rate, and output signal. The system accommodates most applications with sample rates up to 42,000 S/s/channel and frequencies up to 10 kHz.

For more information, circle 101

High-speed camera

The *Motion*Xtra HG-TH from **Redlake** offers a multi-head, high-speed digital-imaging solution. The small, tethered camera heads fit into hard-to-reach locations such as under seats and in foot wells, or onto mounting surfaces. The system can feature one to four camera heads, and 2 to 8 GB of memory for up to 19.2 s of record time. Each camera head features 752 x 564 maximum resolution at 1000 frames/s, and 1000Base-T Ethernet for fast downloads. The controller and cameras withstand forces up to 100 *g*, making them suitable for component safety testing.

For more information, circle 102

Mediating connector

The Spherolinder from **g^2 Engineering** is a patented mediating connector that replaces the sphere in a repeatable kinematic mount and retains the geometrical relations that make the

mount function correctly while eliminating the point contacts between the connectors and their mating surfaces. The mounting scheme works under loads up to 100 times larger than conventional mounts can carry. Applications include precision attachment of airborne components to an airframe and for improved maintenance turn-around and minimized ground time of the aircraft. The Spherolinder is fabricated in a variety of materials, including stainless steel, tungsten carbide, high-temperature ceramics, and engineering plastics.

For more information, circle 103

Fuel probe

AMETEK Aerospace & Defense offers a line of active liquid-level probes that feature improved performance over alternative fuel-gauging technologies. Benefits include reduced minimum gauging height to improve system accuracy, an insulated end cap for closer skin spacing, all-electronic calibration with no mechanical potentiometers, a self-shielding design, and readable laser-engraved nameplate data. The fuel probes also offer a robust signal that eliminates the effects of stray capacitance and improves the system's immunity to electromagnetic interface, lightning, and high-intensity radiated field interference.

For more information, circle 104

Quad color camera

Securaplane Technologies has added the CAM-14 to its CAM series of color cameras. The CAM-14 contains four high-resolution color imagers for in-flight entertainment, ground maneuvering, safety, and other applications. The camera incorporates improved imaging technology to offer color reproduction over all lighting conditions. Cameras feature a mass of 1.85 lb and antenna-like installation. An aerodynamic design offers low-drag noise-free flying, and all cameras can interface directly to popular entertainment systems and video-capable cockpit displays.

For more information, circle 105

Protective barrier bags

Moisture barrier bags from **Protective Packaging** protect sensitive equipment, machinery, and products—ranging from helicopters and jet engines to ball bearings—from moisture, damaging vapors, or humidity. Users may choose from several moisture-barrier materials including Mylar, Tyvek, Kraft, vinyl, foil, and composites. Benefits of the materials include high puncture and tear resistance, anti-static qualities, and vapor corrosion inhibitors.

For more information, circle 106