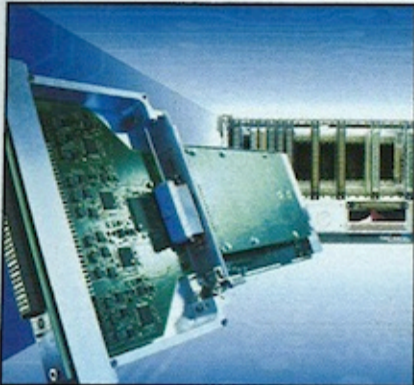


# JTAG Technologies: New Test Solutions

Eindhoven, The Netherlands — JTAG Technologies has introduced MAC-Panel Scout Mass Interconnect System — a new JTAG/boundary-scan hardware interface product compatible with the MAC-Panel Scout mass interconnect system. The JT 2147/DAK is a signal conditioning module that allows seamless connections from JTAG Technologies' PXI DataBlaster to the Scout's connection system.



New hardware and software for boundary scan.

Based on the highly successful QuadPod architecture from JTAG Technologies, the JT 2147/DAK has been specifically designed in the MAC Panel "Direct Access Kit" (DAK) form factor. In using the JT 2147/DAK, test system builders will be able to greatly simplify their

wiring tasks and, at the same time, retain the excellent signal integrity assured by the QuadPod's active interface.

The JT2147/DAK has four independent JTAG Test Access Ports (TAPs) along with 16 user assigned Digital I/O channels. Each TAP can be programmed to operate through a range of voltage levels to suit various logic families.

Another new entry is AutoBuzz, the most exciting addition yet to their no-netlist-required range of JTAG/boundary-scan test and debug tools. AutoBuzz is an amazing tool that uses a special "seek and discover" feature to scan completely a com-

pliant design and then perform comparative tests using JTAG/boundary-scan.

With only JTAG scan-chain information plus BSDL models of the JTAG/IEEE std 1149.1 compliant parts (available from manufacturers' web-sites), users of AutoBuzz will be able to connect to their designs using a number of compatible JTAG interface options. AutoBuzz can then be set to gather a complete "connectivity map" of any board's boundary-scan to boundary-scan pin connections — where these can be direct or via "transparent" devices such as series resistors.

AutoBuzz supports just two

simple operating modes: Learn and Compare. With AutoBuzz in Learn mode a "known good" sample PCB is initially scanned to establish a reference connectivity map. Suspected faulty boards can then be scanned by AutoBuzz in Compare mode, and a comparison is automatically made of their connectivity maps. Differences between the two maps are highlighted to indicate possible faults such as interconnect short-circuits, open-circuits or "stuck-at" faults.

Contact: JTAG Technologies, 111 N. West Street, Easton, MD 21601 ☎ 877-367-5824 fax: 410-770-4774 Web: www.jtag.com

## Wideband VCO from Crystek

Fort Myers, FL — Crystek's CVCO-55CW-1200-2100 VCO (Voltage Controlled Oscillator) operates from 1200MHz to 2100MHz with a control voltage range of 0.5V to 25V. This VCO has a typical phase noise of -95dBc/Hz at 10kHz offset and reportedly has excellent linearity. Output power is typically +6dBm.



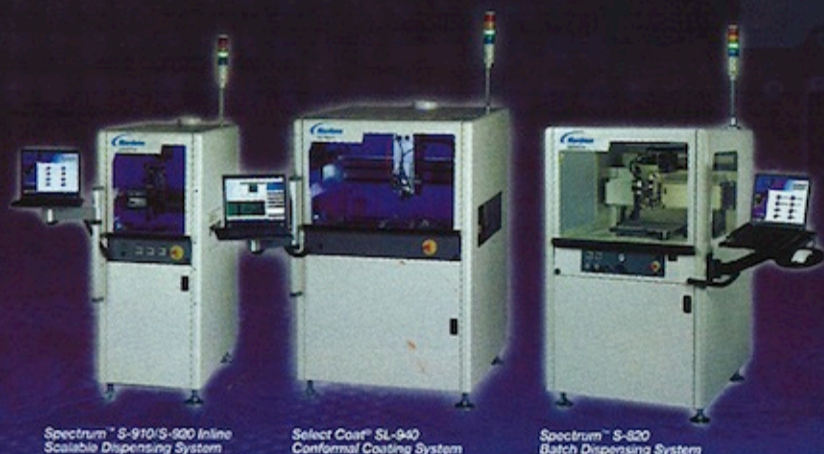
Wideband VCO.

Engineered and manufactured in the USA, the new VCO is packaged in the industry-standard 0.5 x 0.5-in. (12.7 x 12.7mm) SMD package. Input voltage is 12V, with a max. current consumption of 35mA. Pulling and Pushing are minimized to 25.0MHz and 10.0MHz/V, respectively. Second harmonic suppression is -8dBc typical.

The CVCO55CW-1200-2100 is suitable for use in applications such as digital radio equipment, fixed wireless access, satellite communications systems, and base stations.

Contact: Crystek Corporation, 12730 Commonwealth Drive, Ft. Myers, FL 33913 ☎ 800-237-3061 or 239-561-3311 fax: 239-561-1025 E-mail: sales@crystek.com Web: www.crystek.com

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