Compact Ready To Use Test Solution

- Complete functional circuit test system
- Ready to test with no customisation
- Compact space-saving footprint
- Highly configurable and versatile
- Unique ‘Prototype Exchangeable Unit’ option
- Integrated oscilloscope & RF measurement options
- Flexible choice of test software language
- Includes J-Safe rapid UUT protection

Overview

The J-Testr GTI test system is a complete functional circuit test system in a compact, ready to use desktop format. Measuring 465mm x 500mm in standard form and with all Unit Under Test (UUT) surfaces ESD safe it can fit into any production process. The J-Testr GTI includes; RF and integrated oscilloscope options, LED analyser, high speed programming and JTAG, making the system configurable for all levels of volume from prototype to full production. J-Testr GTI incorporates J-Safe our advanced defence against board level faults offering a system-wide protection scheme.

GTI - Test Straight Out Of The Box

With the Generic Test Interposer (GTI) the system is ready to use with no customisation required. All stimulation and measurement signals are readily available whether automatically plugging with a mass inter-connect system (e.g. Pylon) or direct plugging with standard pitch ribbon cable. Both Ethernet and native JTAG communication interfaces are supported and the simple register based software interface allows users to choose their own test software environment and operating system.

Exchangeable Unit For Easy & Rapid Changeover

The connector pin-outs on the Exchangeable Units are identical for low cost direct plugging or mass inter-connect options, allowing simple transition between interface types. All Exchangeable Units use standard pin and pitch interfaces supporting all stimulation and measurement signal types, keeping connection types the same and allowing the use of standard cables. Flexible ‘Pass-Thru’ wiring enables easy routing of low or high speed signals between the UUT and additional equipment, internal or external to the J-Testr GTI system.
Exchangeable Unit - Prototype Test Made Simple

A Prototype Exchangeable Unit provides a unique solution for testing a new UUT, right from an early stage in the product development cycle. Test development and design verification can be done before committing to ‘Bed of Nails’ tooling. Test code and circuitry can be easily carried forward into production test development, saving significant time and resource.

Using our J-Mount, the UUT can be held securely with quick and easy insertion, lock and release, without damage to components or solder joints.

The Prototype Exchangeable Unit contains a Connection Card similar to microprocessor evaluation boards, to enable fast design of interconnect solutions. Additional flexibility is provided by two expansion module positions, with mechanical mounting points, enabling small function daughter boards to be added.

Bed of Nails For Volume Production

The J-Testr® GTI system includes a ‘Bed of Nails’ Exchangeable Unit which supports a ‘pin-able area’ of up to 285mm x 240mm with maximum plug force of 2000N (1000+ probe pins). This unit is particularly suitable for mass production environments.

Connection from the Exchangeable Unit to the pins, and on to the UUT, can be achieved using our ‘EZ-Wired’ concept with a custom Connection Card, or with more traditional wire wrap, or even direct soldered wires. These options provide complete flexibility for all UUT types and complexity.

The Exchangeable Unit can be supplied with full customisation or no customisation.

Even if UUT volumes are low then production test can be easily implemented using the Prototype Exchangeable Unit and J-Mount.

Expandable And Versatile

Multiple expansion options are possible via internal ports, ‘Pass-Thru’ wiring and a system expansion area. Options for integrated oscilloscopes, RF power/frequency meters and RF signal generators can be added. These features give the J-Testr® GTI test system advanced signal measurement capabilities for testing the latest Internet of Things (IOT) devices.

In addition, third party equipment such as LED analysers, JTAG boundary scan systems and high speed programmers are easily integrated internally to match UUT testing requirements.

As the J-Testr® GTI test system utilises the J-Testr® Midi fixture, it includes all the mechanical customisation features that are offered by this product. This includes a simple customisable front panel, VESA PC mounting, cable access slot/holes and rear mounts. For more details on the J-Testr® Midi fixture please see the product information or find full details at www.eigerdesign.com/products.

For further information contact your distributor or email: sales@eigerdesign.com