

CUSTOM CASED-UP & PCB COMBINATION TEST FIXTURE

Brief Description:

Emerging Technologies, LLC. was called upon to develop a custom test fixture to accommodate both the base PCB assembly as well as the cased-up DUT. This was a fixture only design/build. The customer performed their own wiring and test application development.

The fixture was custom designed to accommodate a specific set of test system hardware and provide an easy-to-use DUT clamping arrangement for operator use. Minimizing cost and maximizing ease of use for the operator were the main objectives.

This system was developed from scratch around the customer provided set of test system hardware. Custom machining, fabrication, and assembly were employed. Modular components were used where possible to allow flexibility for future modifications.

Customer Benefit:

The customer is able to add the wiring and test application to the test fixture without the need to have specialized machining and fabrication equipment required to create the specialized fixture.

Special Features:

- Cased-up & PCB only Fixturing.
- Modular Design.
- Carry Handles for Convenient Transport.
- Operator Friendly Design.



Key Components Used:

- 80/20 Framing.
- Toggle Clamping Spring Probe Fixture.
- Slide-out Keyboard Tray.

Emerging Technologies, LLC.

Responsibilities:

- Functional Specification Generation
- ✓ Design / Engineering
- ✓ Fabrication
- Programming – Software
- Programming – Firmware
- Circuit & PCB Design
- On-Site Commissioning
- Post Commissioning Support
- Other

Technologies:

- Embedded Computers
- Microcontrollers
- Visual Software
- Control Software
- Data Acquisition
- Computer Based Control
- Communications
- System Integration
- Other

Customer Category:

- OEM
- ✓ Contract MFG
- Custom Equipment
- Utility
- R&D

SPECIALISTS IN TEST, MEASUREMENT, AND DATA ACQUISITION

Emerging Technologies, LLC.

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