

## Interface Test Adapters and Fixtures

Are you struggling with the best way to connect to your Device Under Test? Do you have unusual mechanical or electrical requirements? Symtx can help.

Symtx provides a wide range of Interface Test Adapters (ITAs) and Fixtures to meet your functional test requirements. We have solutions to meet most test applications, with frequencies to 50 GHz, voltages as high as 1000 volts, and currents to 100 amps per pin. Our fixtures mate with standard ITA interfaces, including Virginia Panel and MacPanel, and are suitable for both PWB and final assembly applications.

### Key Features:

- Connection to Virginia Panel, MacPanel or custom interfaces
- Vacuum, pneumatic and mechanical actuation
- Over-clamp and vacuum sealing covers
- EMI shielding for RF measurement
- Environmental support for reliability and stress testing
- High power, fine pitch and RF probing to 10 GHz
- Optical signal detection and measurement



### Functional Board Fixtures

Symtx supplies PWB fixtures in many configurations to meet your particular test needs. We provide fixtures that automatically mate to I/O connectors and probe internal signals on both sides of the board. Alternately, we have configurations that allow for manual probing and adjustment from both sides of the board. Our fixtures are designed to allow for probing of sensitive internal signals under normal operating conditions, with buffering of key outputs and simulation of key input signals as required.





## Subassembly Fixtures

Symtx provides fixtures for connection to subassemblies and Line Replaceable Units (LRUs) via standard cables or special DUT mounting. These fixtures are designed for quick connection of the DUT to maximize throughput and include connector savers for simplified support. Other features such as temperature control and heat sinking are supplied based on the DUT requirements.

## Special Application Fixtures

Symtx can supply special fixtures for unusual test needs. A few of the special fixtures we have supplied include:

- High-volume testing of pressure transducers across temperature
- Low cost RF antenna connection for GPS, Bluetooth and cell phones
- Bomb fuses
- Medical device testing at 1000 volts and 100 amps



Missile Test Fixture

## DUT Cables

In addition to test fixtures, Symtx provides custom cables for connection to your DUT. These are available to meet your special requirements, including:

- High temperature for environmental testing
- Armored for harsh environments
- Low loss, phase matched and phase stable
- Low noise
- Space-qualified and avionics-specific connectors



### Contact:

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