

Anatomy of a VPC Mass Interconnect

Cable Assemblies PCB Adapter or test card configurations with instrument-specific connector(s) that accept COTS (commercial off-the-shelf) cables.

Receiver Patchcords Contacts pre-terminated to wire in a single or double-ended format to connect the test instrumentation to the receiver.

Receiver Modules Mate with ITA modules and available in multiple configurations such as signal, power, RF/coaxial, pneumatic, vacuum, thermocouple, or fiber optic in varying densities.

Interchangeable Test Adapter (ITA) Mates to the receiver and manages ITA modules, PCB adapters, cable assemblies and patchcords for connection to the Unit Under Test (UUT).

ITA Modules Mate to receiver modules with the identical configuration. Serve as the final connection to the UUT.

ITA Enclosure Houses the ITA while protecting and providing strain relief for wiring. Offers a mounting surface for UUT accessories such as edge-card adapters and other connectors. May be custom-built and designed.

ITA Patchcords Contacts pre-terminated to wire in a single or double-ended format to connect the ITA to the UUT in a customized arrangement.

Receiver Interconnect device that manages receiver modules, patchcords, cable assemblies, and/or PCB adapters for connection to test instrumentation. Mates with the ITA frame.

