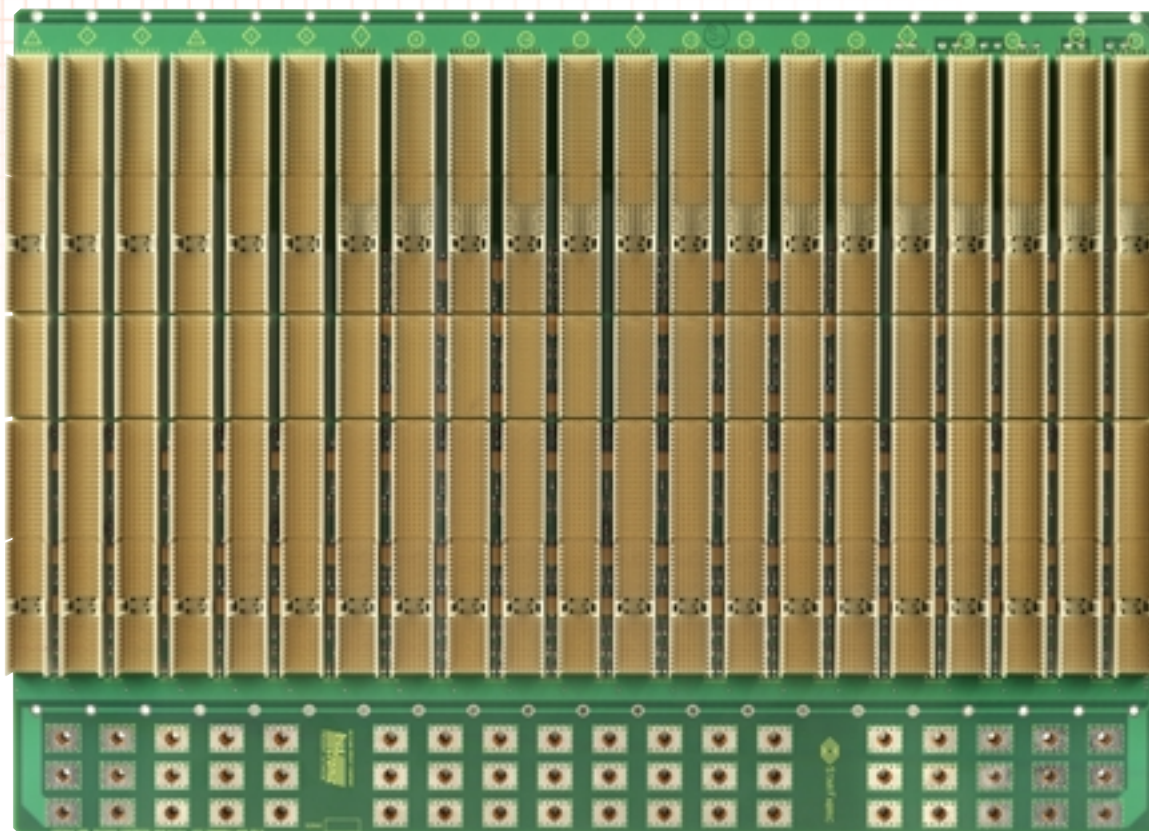


# 21-SLOT STARFABRIC HYBRID BACKPLANE



## Key Features:

- 2.5 Gbps full-duplex interconnect routed in standard FR-4
- Supports existing SBCs and line cards
- Supports new StarFabric cards, high-capacity Telecom trunk cards
- Enables H.110 scaling to 6000 DSOs in a single chassis
- High Availability with 2 system slots and multiple isolated I/O domains

Utilizing our expertise in complex, custom, and high-speed backplanes, Bustronic has developed the 21-slot hybrid backplane for the StarFabric Working Group. The backplane will be used for proof-of-concept and working demonstrations.

Based on StarGen's switched fabric technology, the StarFabric Working Group is a partnership of leading companies dedicated to developing the next-generation communications system. Founding members include Agere Systems (formerly Lucent MicroElectronics), Bustronic, Elma, FCI/Berg, Motorola Computer Group, Natural MicroSystems, Pigeon Point Systems, StarGen, and Sun Microsystems.

The technology addresses next-gen communications equipment requirements such as trunk speed evolution from OC3 to OC12/OC48 and beyond, allowing 10K to 100K ports per single chassis. StarFabric supports simultaneous transmission of packet, cell, and voice (TDM) traffic and provides High Availability features such as fault detection and isolation, hardware fail-over, and hot swappability. The StarFabric solution provides an elegant migration path from existing bus-based architectures like PCI, H.110, Utopia, etc. It is 100% backwards compatible to existing PCI and CompactPCI technology; so new drivers, software, etc. do not need to be created. PICMG is establishing a subcommittee to develop a StarFabric CompactPCI specification, allowing multiple vendors to supply the industry with compatible and interoperable subsystems.



