

STARFABRIC ADAPTER CARDS



FEATURES

- Designed for prototyping a system using StarFabric
- Compliant to PICMG 2.17 Rev. 1.0 specification
- Converts CompactPCI bus to StarFabric links
- Accepts standard CompactPCI line cards
- Converts both 32 bit/33 Mhz and 64-bit/66 Mhz traffic
- Utilizes StarGen's SG2010 chip

BOARD SPECIFICATIONS

- 10- layer board
- 2 oz. copper power and ground
- PCB UL recognized 94V-0
- PCB FR-4 or equivalent
- PCB .102" thick

MECHANICAL SPECIFICATIONS

- 6U height x 80mm
- 32 bit, 64 -bit

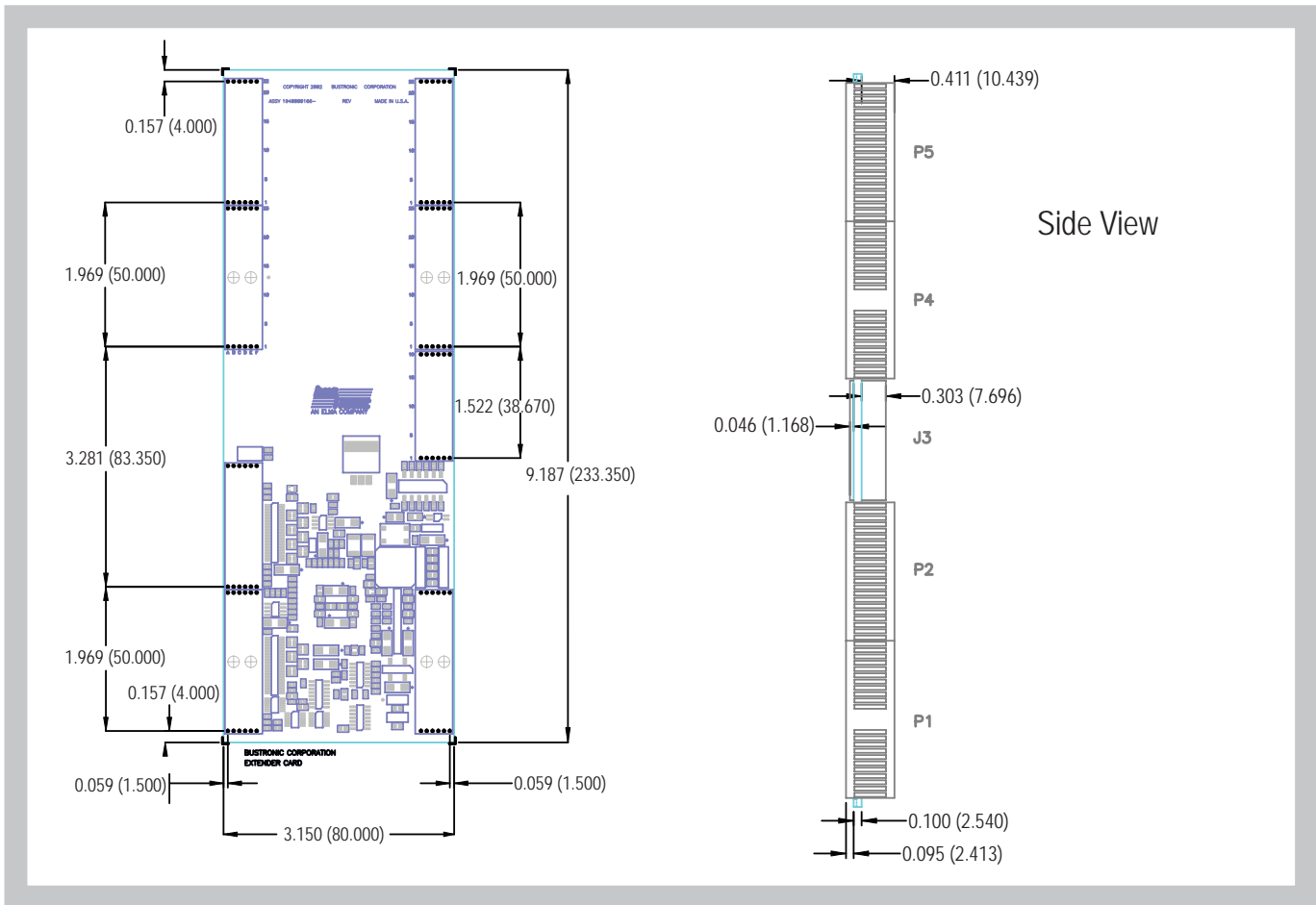
DESCRIPTION

The StarFabric 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.

StarFabric Adapter Cards convert the PCI bus to StarFabric links, acting as PCI-to-StarFabric bridges. Standard CompactPCI cards can be plugged into the StarFabric Adapter Card, which in turn, is plugged into a PICMG 2.17 compliant backplane. The adapter card takes the cPCIbus traffic, serializes it, and sends it across the backplane in two 2.5 Gbps StarFabric links. Both 32 bit/33 Mhz and 64-bit/66 Mhz traffic can be converted via StarGen's SG2010 chip which resides on the adapter card. These cards are a useful tool in prototyping a StarFabric system.

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LINE DRAWING



ORDER INFORMATION

| Height | Length | Part # |
|--------|--------|------------|
| 6U | 80 mm | 1940000166 |