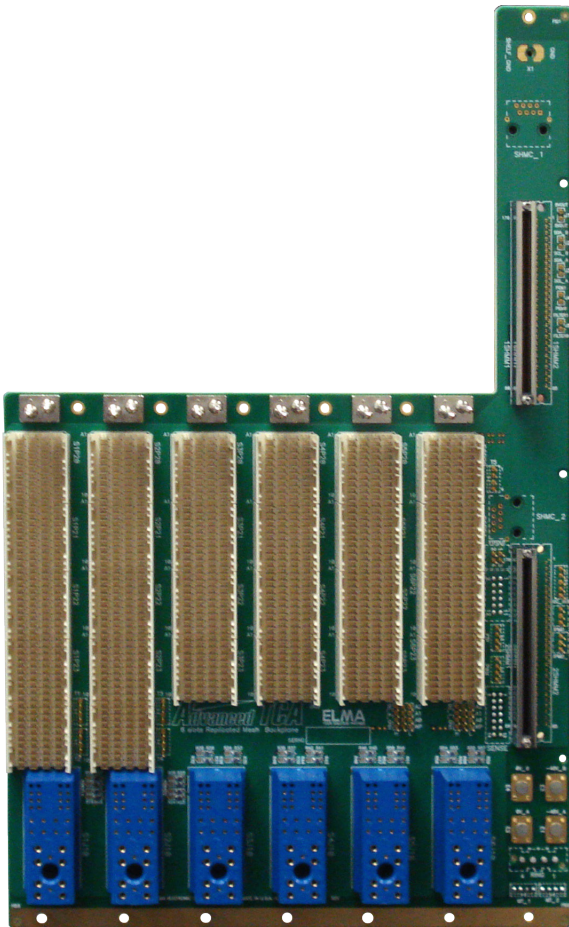


5U 6-Slot ATCA Backplane

AdvancedTCA Mesh Backplanes



Description

The Elma Bustronic Mesh AdvancedTCA (ATCA) backplanes are compliant to the PICMG 3.0 Rev 3.0 specification. The experts in high-speed differential pair routing, Elma Bustronic's ATCA backplanes have been simulated and characterized by our signal integrity lab to optimize performance. The 6-slot is a 3X Replicated Mesh.

Features

- Compliant to PICMG 3.0 Rev. 3.0 specification
- Gigabyte/Terabyte per second bandwidth per shelf
- Connections to IPM Sentry shelf manager
- Controlled impedance stripline design
- Mesh Topology
(dual star and 1X, 2X, 3X Mesh topologies are implementable)
- Pluggable shelf manager slots using MicroTCA.0 connectors

Board Specifications

- 26 layers
- 1/2 oz. copper power and ground
- .171" thick PCB, PCB UL recognized 94V-0, FR-4 or equivalent

Mechanical Specifications

- 8.366" wide x 13.594" height

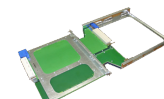
Related Products and Applications

Platforms to meet NEBS or (ETSI) requirements for carriers and telecom equipment broadband networks

- Application and media servers, IPTV video-on-demand delivery and billing platforms
- Wireless Communications such as 2G, 3G and 4G (LTE and WiMAX) radio access networks (RAN)
- Wireline Communications such as media gateways, service provider routers and switches, and signaling gateways
- Applications requiring a mix of I/O options, high compute density and enhanced graphics

Communications platforms and servers for deployment in mobile and harsh environments

- Field deployed critical communications
- Mobile command centers



- Rackmount, desktop, and custom chassis platforms
- Load boards convection or conduction cooled
- Rear Transition Modules for I/O
- Blade level networking boards (Ethernet, PCI Express)
- Ruggedization programs

ATCA

5U 6-Slot ATCA Backplane

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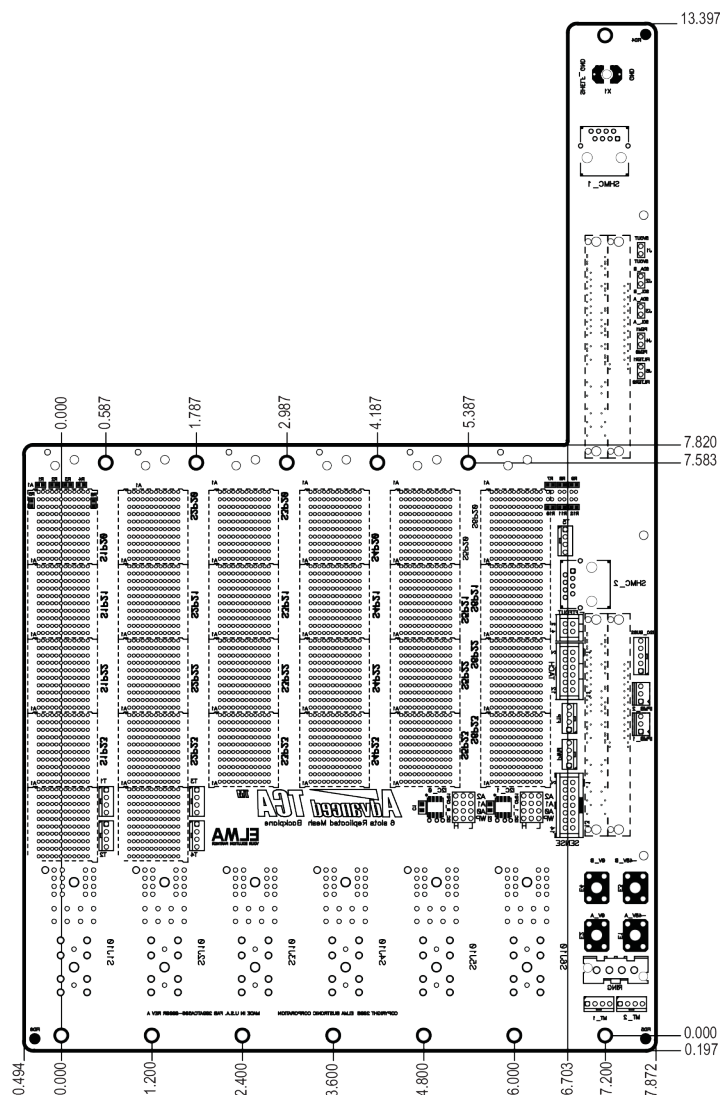


PICMG



Backplanes

Line Drawing



Order Information

Height	Total Slots	Description	Part Number
5U	6	6 slot Mesh Backplane	109ATCA506-300XR
5U	6	6 slot Mesh with Radial IPMB	109ATCA506-3010