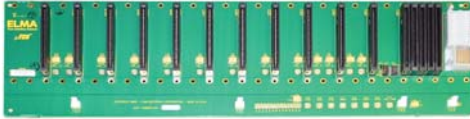


## MicroTCA BACKPLANES-STAR



### FEATURES

- Complies to MicroTCA.0 Specification Rev 1.0
- Slot to slot aggregate bandwidth of 5,000 Mbytes/sec
- Approximately 3U height
- 12 AMC, 1 MCH, 1 Power Module Slot (all full size)
- Modular and serviceable
- Standard shelf management - MicroTCA Carrier Hub (MCH)
- Accepts both single and double modules
- Pressfit connectors standard, compression-mount version optional
- Optimized via signal integrity studies, reports available upon request
- Other versions available in various configurations -- compact and mid size, cube and pico styles

### BOARD SPECIFICATIONS

- 16-layer board
- 2 oz. copper power and ground
- PCB UL listed 94V-0
- PCB FR-4 or equivalent
- PCB .154" thick

### MECHANICAL SPECIFICATIONS

- 3U height
- Full size modules
- Pressfit connectors standard, compression-mount version optional

### DESCRIPTION

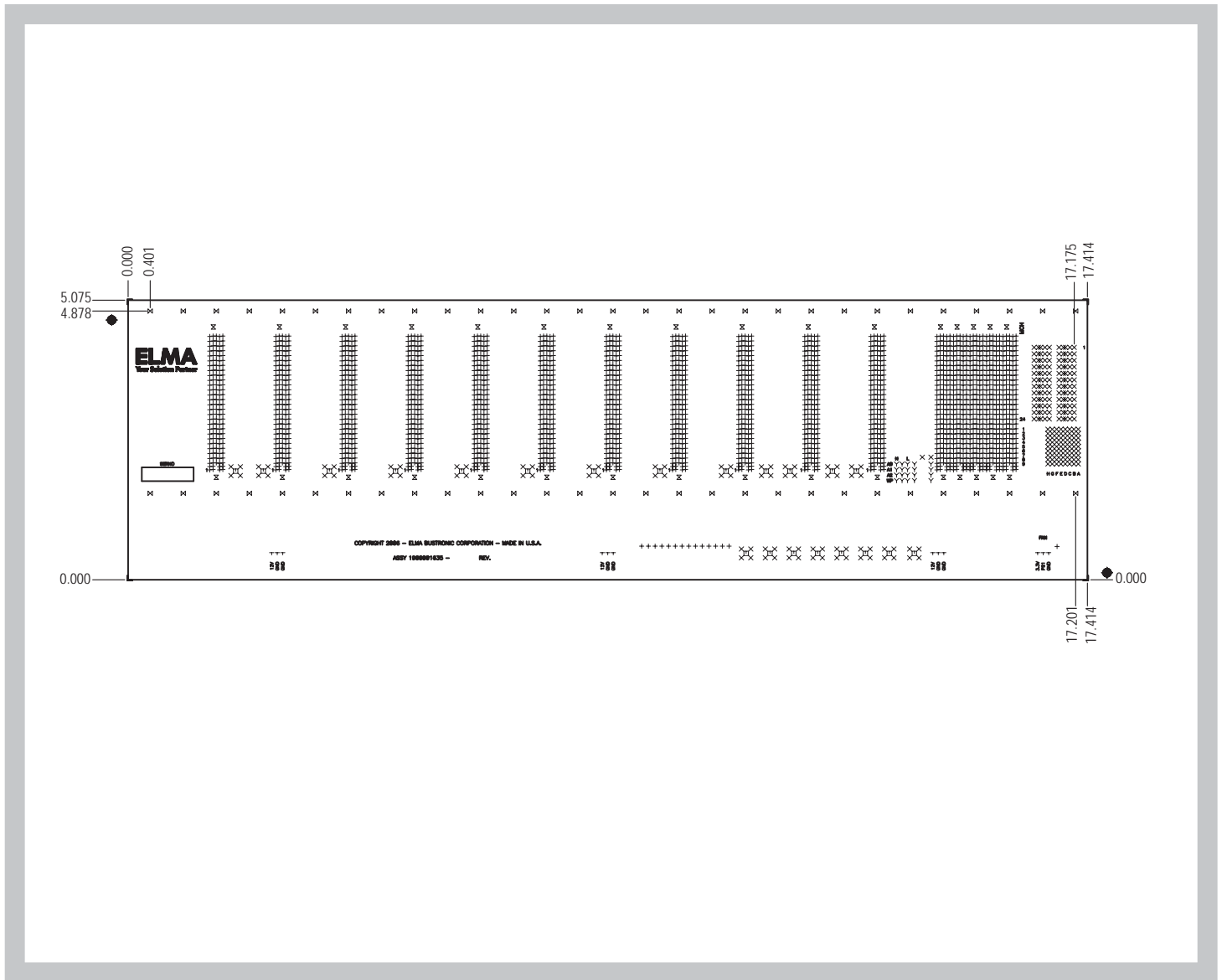
The Elma Bustronic Star MicroTCA backplane comes with 12 AMC, 1 power, and 1 MCH slots, all in the full size configuration. The Star backplane utilizes the pressfit style connector, with compression-mount version optional.

MicroTCA was developed as an "ATCA Lite", for applications where AdvancedTCA may be overkill. It reduces size and cost by eliminating the ATCA carrier, enabling AMC modules to be plugged directly into the backplane. MicroTCA provides scaleable bandwidth from 1-40 Gbit/sec, and scaleable availability ranging from three nines (99.9%) to five nines uptime (99.999%).

The MicroTCA Carrier Hub (MCH) provides interconnect, power conversion, clock distribution, and system management functionality needed to support up to 12 AMC modules. The high performance of MicroTCA coupled with its compact size, low cost and low power consumption make it a good fit for wireless base stations, digital loop carriers, optical ADMs, enterprise networking, storage servers, non-rugged Mil/Aero communications, and many other applications.

# MicroTCA BACKPLANES-STAR

## LINE DRAWING



## ORDER INFORMATION

Height	Slots	Description	Part Number
3U	14	12 AMC, 1 power, 1 MCH slots all in full size	109MTCAS14-0100R