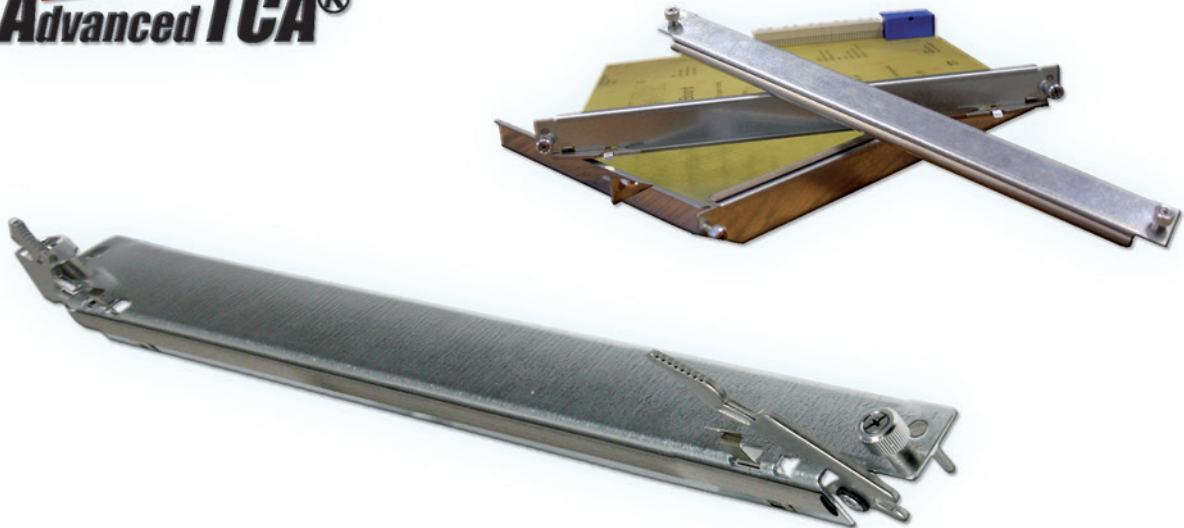


2: Front Panels for Plug-In Units



ATCA and the ATCA logo are trademarks of the PCI Industrial Computers Manufacturers Group

2.6 Plug-In Units "Classic" acc. to AdvancedTCA

2.6.1 Plug-In Units "Classic"

- 8 U x 6 HP with handles
- Conform to the PICMC 3.0 specification
- For boards with thicknesses of 1.6 mm to 2.4 mm

2.6.1 Front Panel 8 U x 6 HP with Handles acc. to ATCA

- **Scope of delivery:**
 - Galvanised steel front panel incl. captive screws M3
 - EMC gasket
 - Handle set



| Description | Part-No. |
|-------------------------------|----------|
| Steel front panel with handle | 12T100 |

2.6.2 Filler Panel

2.6.2.1 Filler Panel 8 U x 6 HP acc. to ATCA

- **Scope of delivery:**
 - Steel filler panel, incl. captive screws M3
 - EMC gasket



| Description | Part-No. |
|---|----------|
| Filler panel steel, incl. captive screws M3 | 12T102 |

2.6.2.2 Filler Panels with Baffle

- **Scope of delivery:**
 - Steel filler panel, incl. captive screws M3
 - EMC gasket
 - Incl. Baffles

| Description | Part-No. |
|---|----------|
| Filler front panel with baffles 8 U x 6 HP x 270 mm | 12T120 |
| Filler RTM panel with baffles 8 U x 6 HP x 72.5 mm | 12T121 |

2: Front Panels for Plug-In Units

2.6.3 Handle Set acc. to ATCA



2.6.3 Handle Set acc. to ATCA

- **Scope of delivery:**
 - 2 steel handles
 - 2 shoulder screws M2.5, Torx size T10
 - 4 + 4 washers
 - 2 latch spring clips

| Description | Part-No. |
|-------------|----------|
| 2 handles | 12T130 |

2.6.4 Captive Screw M3 and Latch Spring Clip



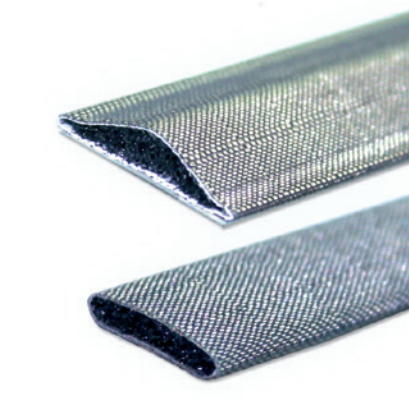
2.6.4.1 Captive Screw M3

| Description | Part-No. |
|------------------|----------|
| Screw M3 captive | 12T133 |

2.6.4.2 Latch Spring Clip

| Description | Part-No. |
|--------------|----------|
| Latch spring | 12T132 |

2.6.5 EMC-Gasket



2.6.5 EMC-Gasket

- Polyurethan foam core
- Conductive fabric (cu+Niplated)

| Description | Part-No. |
|---|-----------|
| EMC-gasket, L = 300 mm | 7820-95 |
| EMC-gasket triangular. 2.3 x 10 mm, L = 300 mm | 7821-300 |
| EMC-gasket triangular. 2.3 x 10 mm, L = 2000 mm | 7821-2000 |

2.6.6 Microswitch for Injector/Ejector Handle



2.6.6 Microswitch for Injector/Ejector Handle

Technical data and function see 3.5.3.1

| Description | Part-No. 10 pcs. |
|--|------------------|
| Microswitch with pre-assembled wire cable length (25 mm) | 81-088-1 |

2: Front Panels for Plug-In Units

AdvancedTCA

AdvancedTCA (ATCA) stands for Advanced Telecom Computer Architecture.

ATCA is the first open industry specification for carrier grade equipment incorporating high speed switched fabric technology. ATCA systems are capable of switching and processing 2.5 terabits per second in a single shelf.

What Size are the Boards?

After lengthy deliberations, sophisticated thermal simulations, and a lot of customer feedback, PICMG 3 boards are 8 U (322.25 mm) high and 280 mm deep. This size was carefully arrived at after considering cooling, front panel space, backplane size, and rear panel I/O requirements. Boards are spaced at a 1.2" (6 HP) pitch. The wider pitch accommodates taller components like next generation CPU's with integral heat sinks, off-the-shelf memory modules, and high power DC-DC converters. The wider pitch also improves cooling as more air volume can be circulated over a card.

Elma's ATCA Products and Services

Capabilities

- Simulation
- NEBS certification
- Customisation
- 3D solid modeling
- Manufacturing
- Integration

Systems

- 2 U, 3 U, 4 U, 5 U, 12 U & 13 U
- Redundant 48VDC input (AC input options available)
- Optimised via thermal simulation studies
- IPM sentry shelf management options

Backplanes

- 2, 4, 5, 14 & 16 slots
- Dual star, mesh or replicated mesh
- Compliant to PICMG 3.0
- Optimised via signal integrity studies

Accessories

- Front panels
- Handles
- Shelf managers

Please find further information on www.elma.com

AdvancedMC

AdvancedMC (AMC) brings hot swap and ATCA like features to a new generation of mezzanine modules.

While AMC was developed to be compatible with the ATCA architecture, AMC modules will be used in conjunction with other platform architectures. As its predecessors have shown, good mezzanine cards will be used wherever they can fit, which will encompass a very wide range of carrier form factors and applications.

AdvancedMC Products

To build up AMC Carriers and mezzanine modules mechanics in different versions are needed: Covers, Front Panels, Handles, EMC-Gaskets, Card-Guides, Filler Panels, Air Baffles and Micro Switches.

Elma is still working on those products.

Please find further information on www.elma.com

Customisation is the standard at Elma. With an extensive offering of modular products as a foundation, Elma is able to leverage existing solutions and proven design concepts to meet any custom application.

uTCA

MicroTCA defines a system architecture that uses AdvancedMC mezzanine cards plugged directly into a backplane architecture to produce smaller form factor systems.

Please find further information on www.elma.com