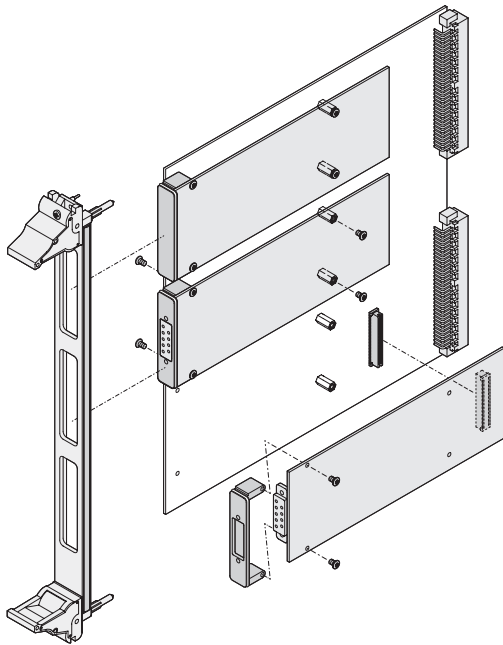


# FPGA MEZZANINE CARD (FMC) PRODUCTS IN COMPLIANCE WITH THE VITA 57.1 STANDARD

## LEADING THE MARKET WITH NEW PRODUCTS FOR THE LATEST SPECIFICATIONS



For the past decade, nVent has offered front panel kits and components to support customers using PCI Mezzanine Cards (PMCs.)

In 2010 the VITA 57.1 standard for FPGA Mezzanine Cards (FMCs) was ratified and has since been gaining market acceptance. Due to the smaller form factor as compared to PMCs, FMCs require different front panel cut-outs, bezels, and EMC shielding components.

To compliment its line of proven PMC products, nVent now offers SCHROFF FMC products in compliance with the VITA 57.1 standard.

### TECHNICAL DETAILS

- Available as kits or individual components
- Front panels and kits are available in two sizes, 3 U and 6 U
- Kits are pre-assembled and include the following:
  - "U"-shaped front panel with FMC cut-out(s)
  - Bezel(s)
  - IEL handle(s)
  - EMC gasket for front panel
  - EMC O-ring(s) for bezel(s)
- All kits and components are fully compliant with Vita 57.1 standard for FPGA Mezzanine Cards (FMCs)

### BENEFITS

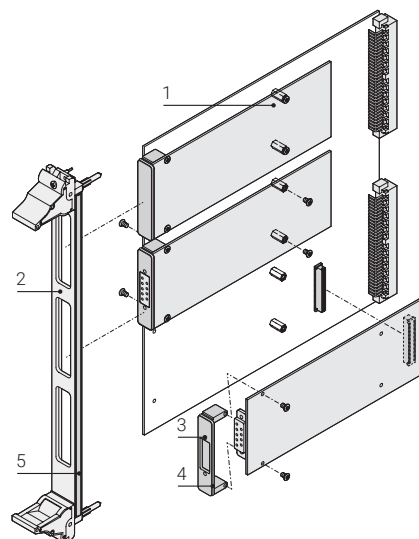
- Proven quality. These new FMC products complement SCHROFF's line of PCI Mezzanine Cards (PMCs) front panel kits and components
- Support all popular industry architectures including VME, VXS, OpenVPX, CompactPCI, and CompactPCI Serial
- As with all SCHROFF front panel products, modifications such as custom cut-outs and printing can be easily accommodated

# FPGA Mezzanine Card (FMC)

## PRODUCTS IN COMPLIANCE WITH THE VITA 57.1 STANDARD

### FMC ASSEMBLY COMPONENTS

- One or more FMCs are mounted to a carrier board (item, 1)
- Front panel, with cut-outs to accommodate the FMCs, is required (item, 2). The number of cut-outs is limited by the mezzanine card size of the carrier board
  - 3 U height = 1 cut-out
  - 6 U height = 3 cut-outs
- Cut-outs will be covered with FMC or PMC bezels (item, 3)
- For EMC protection, both the bezels (item, 4) and the front panels will require gaskets (item, 5)
  - Bezels use O-rings for EMC protection
  - SCHROFF FMC front panels are U-shaped with a textile gasket



### ORDER INFORMATION

	Description	Hight (U)	Hight (mm)	Pcs	Includes EMC gasket
20836-253	FMC Kit	3	97	1	Yes
20836-254	FMC Kit	6	232	1	Yes
20835-849	FMC bezel for mezzanine front panels	N/A	N/A	1 (SPQ 10 pcs)	No
60835-077	EMC O-ring for shielding FMC bezels	N/A	N/A	1 (SPQ 10 pcs)	N/A

For more information: [nVent.com/SCHROFF](http://nVent.com/SCHROFF)

#### Europe

**Straubenhardt, Germany**

Tel: +49.7082.794.0

**Betschdorf, France**

Tel: +33.3.88.90.64.90

**Warsaw, Poland**

Tel: +48.22.209.98.35

**Hemel Hempstead, Great Britain**

Tel: +44.1442.24.04.71

**Assago, Italy**

Tel: +39.02.5776151.224

#### North America

**Warwick, RI**

Tel: +1.800.525.4682

**San Diego, CA**

Tel: +1.800.525.4682

#### Middle East & India

**Dubai, United Arabian Emirates**

Tel: +971.4.37.81.700

**Bangalore, India**

Tel: +91.80.6715.2001

**Istanbul, Turkey**

Tel: +90.216.250.7374

#### Asia

**Shanghai, P.R. China**

Tel: +86.21.2412.6943

**Singapore**

Tel: +65.6768.5800

**Shin-Yokohama, Japan**

Tel: +81.45.476.0271



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[nVent.com](http://nVent.com)

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