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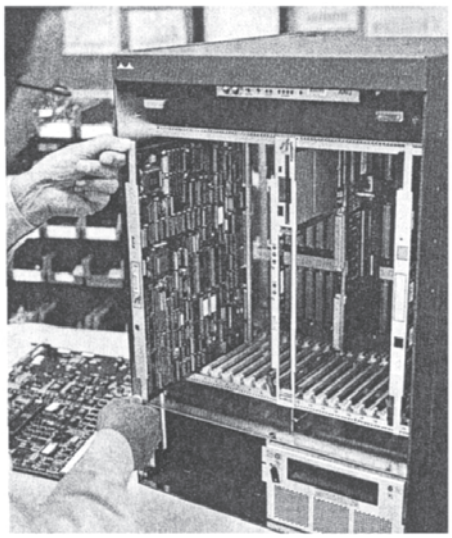
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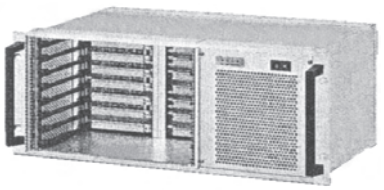
VME and VME64x Systems and Backplanes

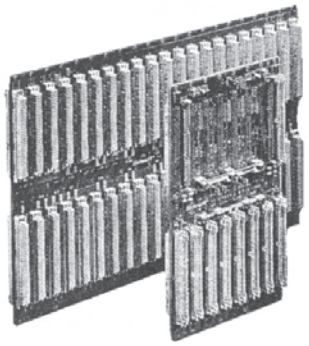
■ A pioneer during the creation of the VME specification in the early 80s, Schroff supported the early VME technology adopters with systems and backplane products. Today, Schroff continues to be part of VME's evolution by creating concept products for the VITA34 VME specification. Not content to sit on its laurels, Schroff has released a full range of new VME systems and backplanes, including VME64x COTS products to IEEE 1101.11.

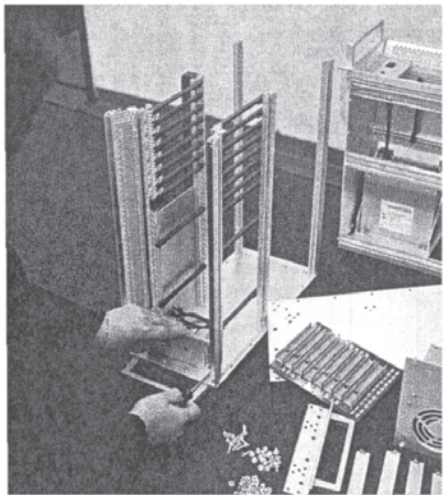


VME

- Standard range of catalog system products
- 3U × 5 slot J1/J2 monolithic backplane
- 4U × 8 slot J1/J2 monolithic backplane
- 7U × 12 slot J1/J2 monolithic backplane
- 8U × 21 slot J1/J2 monolithic backplane
- Rear transition card options
- Power factor corrected power supplies
- Speed controlled cooling fans
- EMC subrack options
- Backplane options:
- Mechanical or electronic automatic daisy chain
- Active/passive switchable termination

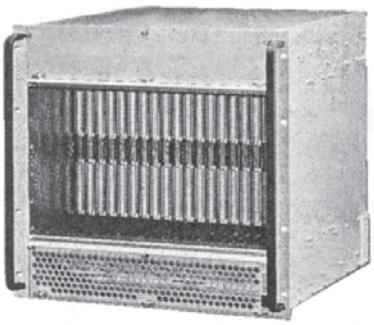


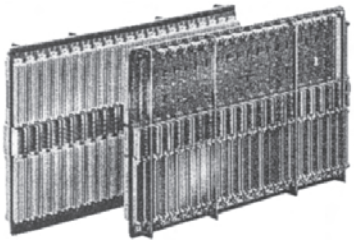




VME64x

- Standard range of IEEE1101.10/.11 catalog systems products
- 4U × 8 slot backplane
- 7U × 12 slot backplane
- 10U × 21 slot backplane
- Power factor corrected power supplies
- Speed controlled cooling fans
- EMC shielded subracks
- Rear I/O transition cards
- ESD clips installed in card guides
- Backplanes are compliant with VITA 1.1-1997 VME64x and VITA38 system management
- Electronic automatic daisy chain
- Very high MTBF (ceramic capacitors)





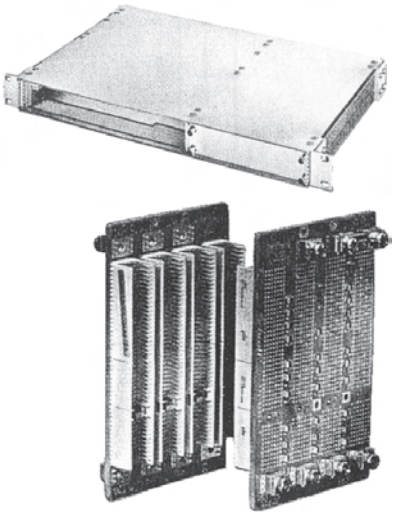
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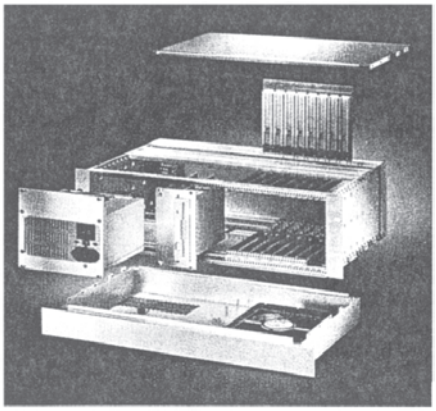
CompactPCI and AdvancedTCA Systems and Backplanes

■ Schroff is a key pioneer in the development of AdvancedTCA, and has developed systems, backplanes, and accessories to ensure successful market penetration of this developing technology. Building upon its success in the CompactPCI space, Schroff has launched a complete line of new CompactPCI systems and backplane products, including a PICMG2.16 Ethernet Packet Switching system.

CompactPCI

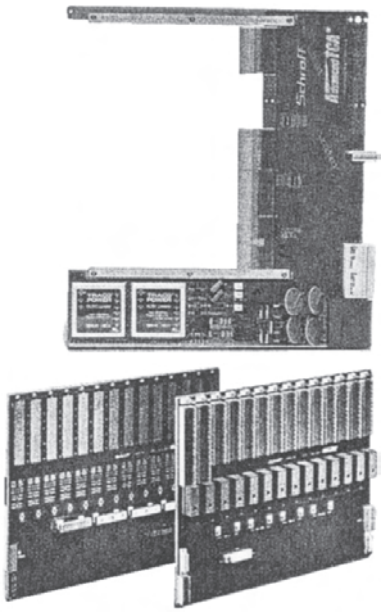
- Standard range of IEEE1101.10/.11 catalog systems products
- Full range from 1U × 2 slot 64 bit system through 7U × 8 slot 64 bit systems with backplanes to PICMG rev 3.0
- PICMG 2.16, 10U × 16 slot (14 node and 2 fabric slots) with packet switched backplane (Ethernet)
- Plug-in modular power supplies
- PICMG 2.6 bridge
- 3U and 6U 32 and 64 bit backplanes, very high MTBF
- PXI backplanes and bridge

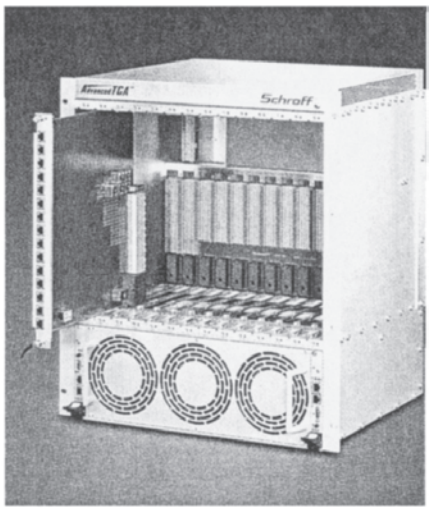




AdvancedTCA

- Fully integrated systems
- Full mesh, dual star compatible backplanes
- Front panels to PICMG 3.0 rev 1.0
- PICMG 2.16 adapter includes DC/DC converters
- Shelf management controller Intel ZT7101
- Front panel compatible with Simplified Telecom Packaging (STP)



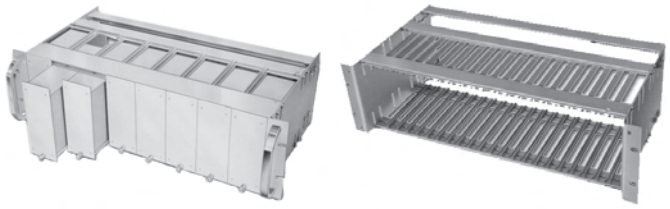


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VECTOR ELECTRONICS & TECHNOLOGY, INC.



EIA BASED VECTOR-PAK® SUBRACKS

FEATURES: Guide positions at 0.25″ increments. Adjustable slots. Construction: 0.080″ thick aluminum, clear chromate finish. Sidewall slots provide adjustability to 1″. For 4.5″×6.5″ cards. Rear struts for mounting connectors. Kit or assembled versions available. Designed in accordance with EIA std. RS-310.

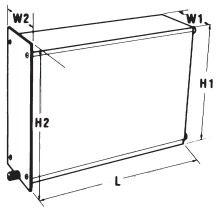
Cat. No.	Dimensions W×H×D (Inches)	Card Size H×W (Inches)	Guide Sets	Net
CCA13S-90	19.00×5.25×9.00	4.5×5.5-7.0	21	**$195.83**
CCK13S-90	19.00×5.25×9.00	4.5×5.5-7.0	21	**236.28**
CCM13S-90	19.99×5.25×9.00	4.5×5.5-7.0	16	**245.57**
CCK13S-H-90	10.25×5.25×9.00	4.5×5.5-7.0	11	**212.42**
CCK13S-HT-90	8.12×5.25×8.12	4.5×5.5-7.0	10	**142.25**

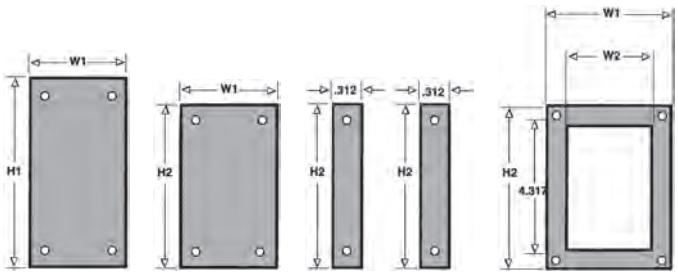
NOTE: CCK = kit; CCA = assembled; CCM = assembled for modules.
"S" version subracks include 12 pairs of card guides.

MODULE SUBRACK

Cat. No.	Dimensions W×H×D (Inches)	Card Size H×W (Inches)	EFP Modules (Not Included)	Net Price
CMA13-20-90†	19×5.25×9.00	4.5×7.0	8	**$230.60**

† Zinc riveted card guides.





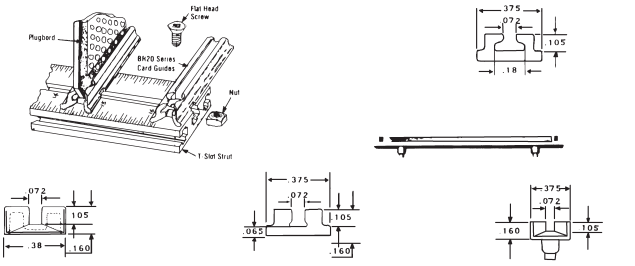
FRONT PANEL | SOLID REAR PANEL | E TYPE, REAR COVER WITH OPENINGS | F TYPE, REAR COVER WITH CUTOUTS

CARD MODULES EFP MODULES

EFP modules are designed for packaging circuit boards and for insertion into Vector CMA series module racks. Modules mount securely into cages with jack screw on front panel. All aluminum brushed anodized finish, easy assembly kits use aluminum frame-loc rails for top and bottom panels; grooves in these panels are used to locate and support one or more 0.062″ boards. Card stops are provided for securing boards of varying lengths. Three rear panel treatments: full cover, strip cut-out (E″ type), and full cut-out (F″ type). Instructions and mounting hardware included.

EFP MODULE ORDERING TABLE

Cat. No.	Body Size Figure 8 W1	H1	L	W2	H2	Recomm. Card Size Ht	Lth	Module Rack	Net Price
KIT WITH FULL REAR PANEL									
EFP164A66	1.6	4.62	6.69	1.65	5.23	4.5	6.5	CMA13-16	**$43.70**
EFP164A97	1.6	4.62	9.8	1.65	5.23	4.5	9.6	CMA14-16	**49.26**
EFP204A66	2.0	4.62	6.69	2.05	5.23	4.5	6.5	CMA13-20	**37.42**
EFP304A66	3.0	4.62	6.69	3.05	5.23	4.5	6.5	CCK13F	**51.10**
EFP304A97	3.0	4.62	9.8	3.05	5.23	4.5	9.6	CCK14F	**50.91**
EFP454A97	4.5	4.62	9.8	4.55	5.23	4.5	9.6	CCK14F	**70.46**
KIT WITH F TYPE REAR PANEL									
EFP164A66F	1.6	4.62	6.69	1.65	5.23	4.5	6.5	CMA13-16	**43.70**
EFP204A66F	2.0	4.62	6.69	2.05	5.23	4.5	6.5	CMA13-20	**37.42**
EFP204A97F	2.0	4.62	9.8	2.05	5.23	4.5	9.6	CMA14-20	**51.08**
EFP164A97F	1.6	4.62	9.8	1.65	5.23	4.5	9.6	CMA14-16	**49.26**
EFP304A97F	3.0	4.62	9.8	3.05	5.23	4.5	9.6	CCK14F	**50.91**



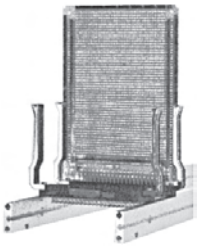
END VIEW ZINC DIE CAST CARD GUIDE | END VIEW PLASTIC CARD GUIDE | END VIEW SNAP-IN CARD GUIDE

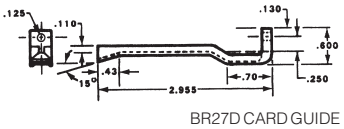
CARD GUIDES FOR SUBRACKS

High-quality card guides with tapered slots for easy insertion. Screw-mounted models are available in metal or plastic and provide variable positioning along entire length of strut. Snap-in nylon models provide easy installation and removal without tools and can be positioned at 0.25″ increments when used with Vector-Pak T-struts.

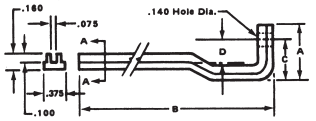
Holes for mounting guides to struts are based on center-to-center multiples of 0.75″, which matches slot positions on Vector SWP sidewalls. All materials are flame retardant. Mounting hardware included.

Cat. No.	Type	Length	Centres	Card Length	Applications	Net Price
CG2-65M	Metal, Screw	5.42″	4.50″	6.50″	13, 14, 17, 100	**$34.27**
CG2-65P	Plastic, Screw	5.42″	4.50″	6.50″	and Vector P	**26.56**
CG2-65S	Nylon, Snap-in	5.42″	4.50″	6.50″	series sidewalls	**15.13**
CG2-80P	Plastic, Screw	6.64″	6.00″	8.00″	Subrack series 14,	**27.02**
CG2-80S	Nylon, Snap-in	6.93″	6.00″	8.00″	15, 17, 18, 100	**22.24**
CG2-95P	Plastic, Screw	8.14″	7.50″	9.50″	and Vector P	**27.45**
CG2-95S	Nylon, Snap-in	8.43″	7.50″	9.50″	series	**19.29**





BR27D CARD GUIDE



BR27-1, -2, -3, -4

FREE STANDING CONNECTOR MOUNTED CARD GUIDES BR27

Secure connection rugged support for 0.062″ thick, free standing circuit boards. For applications in which space is at a premium. Several sizes and styles available. Aluminum alloy construction. Mounting hardware included.

FREE STANDING CONNECTOR MOUNTED CARD GUIDES

Cat. No.	Use With Connector	A	B	C	D	For Use With	Net Price
BR27D	R644 R644-1	.60	2.96	.47	.25	4.5″ wide Plugbords with centered contacts, such as Vector 3677, 3682 & 3662 series.	**$10.07**

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DIN BASED VECTOR-PAK® SUBRACK KITS AND CARD GUIDES

FEATURES: Based on DIN 41914. All side panels deeper than 160mm include mounting holes for positioning front extrusions at 60mm increments. Brushed aluminum finish. Subrack assemblies and kits can be configured to custom specifications. DIN connectors, dress panels, cage handles, and decorative enclosures available separately. 160-400mm card depths available.

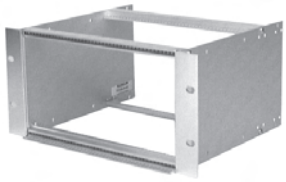
Cat. No.	Dimensions W×H×D (Inches)	Card Size H×W	Max Slots	Net
CCK160-3U	19×5.25×9.27	3U×160mm	21	**$204.13**
CCK160-6U	19×10.50×9.67	6U×160mm	21	**221.03**
CCK220-3U	19×5.25×11.65	6U×220mm	21	**207.71**
CCK220-6U	19×10.50×12	6U×220mm	21	**226.35**

NOTE: Order card guides separately. For assembled versions, substitute (A) for the (K) in the Cat. No.

CARD GUIDES FOR SUBRACK

Cat. No.	Length (mm)	Card Thickness	Snap-in Type	Application	Net Price
CG1-160-12	160	0.062	Glass filled noryl	CCK160	**$23.27**
CG1-220-12	220	0.062	Glass filled noryl	CCK220	**27.83**

NOTE: Guides for 0.090″ thick cards with anodized centre piece are available.



CCA26-36-00



CCA28-84-00

DIN BASED VECTOR-PAK® SUBRACKS

cPCI® 3U AND 6U, IEEE 1101.10

Subracks for 3U or 6U compact PCI applications are available off-the-shelf in assembled or fit form. Four standard depths are offered. The 10″ depth allows for backplane mounting. The 12″ wide depth accommodates 80mm near I/O card guides and the 15″ depth accepts greater than 160mm rear I/O and can accommodate 220mm cards if specified. CPCI subracks built to IEEE 1101.10 and 1101.11 standards come with one pair of guides for sampling. Additional guides as well as other accessories including perforated top and bottom covers can be ordered.

Cat. No.	Dimensions			Net
	Width (Inches)	Depth (Inches)	Height (Inches)	
CCA26-36-00	7.4	8.5	3U	**$164.68**
CCA28-84-00	10.9	10.0	6U	**236.28**

CG3-160 CARD GUIDES

Cat. No.	Description	Net Price Per Pkg. of 12
CG3-160-12	Card guide 160mm	**$31.62**
CG3-160E-12	Card guide 160mm with ESD clip	**45.32**
CG3-220-12	Card guide 220mm	**35.32**
CG-3-160E-12	Card guide 220mm with ESD clip	**45.32**

COMPACT PCI SUBRACKS

FEATURES: Vented top and bottom covers available. Solid rear panel available. Card guides, backplane, plug-in power supply optional. 19″ wide also available in 160mm and 220mm depth.

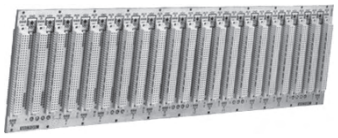
Cat. No.	Dimensions			Net
	Width (Inches)	Depth (Inches)	Height (Inches)	
CCA26-84-00	19.0	8.5	3U	**$167.04**
CCA27-84-00	19.0	12.0	3U	**188.55**
CCA31-84-00	19.0	12.0	3U	**190.91**
CCA32-84-00	19.0	15.0	6U	**264.64**



J1 AND J2 MONOLITHIC 6U VME BACKPLANES

Vector monolithic series backplanes are designed to meet VME bus specifications Rev C1 and Rev D. All termination is placed inboard of the two end connectors to allow the maximum number of slots (21) in a 19″ RETMA rack. The combining of J1 and J2 in an 8-layer single construction permits the copper layers for power and ground to be continuously distributed. Decoupling capacitors are provided at the ends, and maybe added at slot intervals at any lime as needed. The resulting improved power distribution as well as signal shielding in ground layers creates a high performance backplane with low signal cross talk. Controlled impedance in both J1 and J2 sections and low propagation delay also results. **FEATURES:** Designed to meet VME bus spec. (IEEE1175). 3U or 6U models from 5-slot to 21-slot. Off-board termination may be installed on 3U J1 or J2 versions.

Cat. No.	Description	Net Price
VMEBP05P11	5 slot VME J1/J2 6U backplane with power bugs and pins	**$775.67**
VMEBP07P11	7 slot VME J1/J2 6U backplane with power bugs and pins	**899.98**
VMEBP10P11	10 slot VME J1/J2 6U backplane with power bugs and pins	**942.74**
VMEBP12P11	12 slot VME J1/J2 6U backplane with power bugs and pins	**1429.63**
VMEBP21P11	21 slot VME J1/J2 6U backplane with power bugs and pins	**1906.97**
VMEBP05M00	5 slot VME J1/J2 6U backplane with Mate-N-Lok power	**636.86**
VMEBP07P00	7 slot VME J1/J2 6U backplane with Mate-N-Lok power	**888.93**
VMEBP10M00	10 slot VME J1/J2 6U backplane with Mate-N-Lok power	**942.74**
VMEBP12M00	12 slot VME J1/J2 6U backplane with Mate-N-Lok power	**1014.34**
VMEBP21P00	21 slot VME J1/J2 6U backplane with Mate-N-Lok power	**1520.32**
VMEBP05S00	5 slot VME J1/J2 6U backplane with power bugs and Mate-N-Lok	**775.67**
VMEBP21J1	21 slot VME J1 3U backplane	**785.22**
VMEBP12J2	12 slot VME J2 3U backplane	**738.44**



DIN UNIVERSAL UNCOMMITTED 3U AND 6U BACKPLANES

2-21 SLOTS, 08″ OR 1.2″ CONNECTOR SPACING

Universal backplanes provide a low cost means to construct a custom based backplane. All slot connectors do not have any pre-assigned connections; every connection is made by wire-wrap. The universal backplane's design offers convenient power (V_{CC}) and ground pins for each connector to ease the wiring effort. Two other voltages, V2 (Aux A) and V3 (Aux B) are available for additional power sources. **FEATURES:** 3U and 6U versions available, sizes 2-21 slots. Ground plane and 3 voltage planes available to user assignment. Connector spacing 4HP (0.08″) or 6HP (1.2″). Power planes of 3oz. copper for large power requirements. 96 pin connector buses are created through discrete wire-wrap connection. 10 power plane pins are available for each slot for power commitment.

CONSTRUCT YOUR OWN CUSTOM BASED BACKPLANE

Cat. No.	No. of Slots	Slot Spacing	Board Height	Power Construction	Power Pick-Up Pins
UM	21	A=0.8″ B=1.2″	3U 6U	0 = No connectors 1 = Mate-N-Lok 2 = Power bugs 3 = Mate-N-Lok and Power bugs	0 = No pins installed 1 = Power pins installed 2 = Power and ground pins installed

Cat. No.	Description	Net Price
UM21A3U-22	21-slot uncommitted universal backplane with power taps and extra PWR/GND pins installed (0.8″ connector spacing)	**$642.02**
UM13B3U-22	13-slot uncommitted universal backplane with power taps and extra PWR/GND pins installed (1.2″ connector spacing)	**463.83**

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