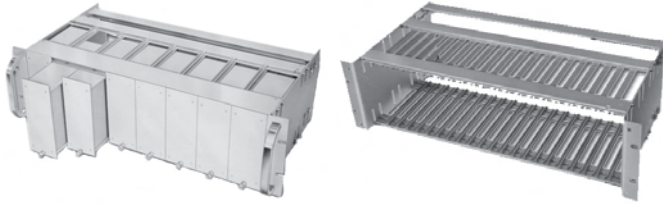


Vector Subracks

MANU
541
CODE

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" x 6.5" cards. Rear struts for mounting connectors. Kit or assembled versions available. Designed in accordance with EIA std. RS-310.

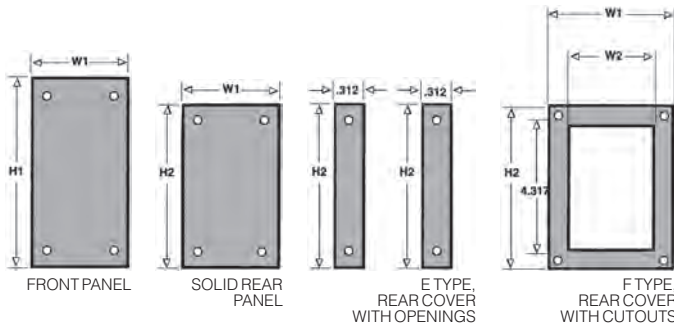
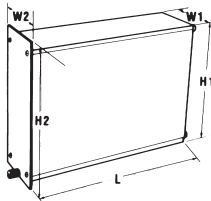
Cat. No.	Dimensions W x H x D (Inches)	Card Size H x W (Inches)	Guide Sets	Net
CCA13S-90	19.00 x 5.25 x 9.00	4.5 x 5.5-7.0	21	\$195.83
CCK13S-90	19.00 x 5.25 x 9.00	4.5 x 5.5-7.0	21	236.28
CCM13S-90	19.99 x 5.25 x 9.00	4.5 x 5.5-7.0	16	245.57
CCK13S-H-90	10.25 x 5.25 x 9.00	4.5 x 5.5-7.0	11	212.42
CCK13S-HT-90	8.12 x 5.25 x 8.12	4.5 x 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 x H x D (Inches)	Card Size H x W (Inches)	EFP Modules (Not Included)	Net Price
CMA13-20-90†	19 x 5.25 x 9.00	4.5 x 7.0	8	\$230.60

† Zinc riveted card guides.

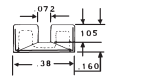
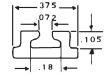
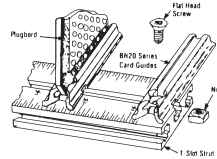


CARD MODULES EFP MODULES

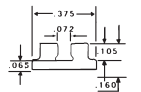
EFP modules are designed for packaging circuit boards and for insertion into Vector CMA series module racks. Modules mount securely into cages with jack screw on front panel. All aluminum brushed anodized finish, easy assembly kits use aluminum frame-loc rails for top and bottom panels; grooves in these 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

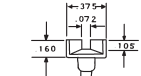
Cat. No.	Body Size Figure 8						Recomm. Card Size	Module Rack	Net Price
	W1	H1	L	W2	H2	Ht			
KIT WITH FULL REAR PANEL									
EFP164A66	1.6	4.62	6.69	1.65	5.23	4.5	6.5	CMA13-16	\$43.70
EFP164A97	1.6	4.62	9.8	1.65	5.23	4.5	9.6	CMA14-16	49.26
EFP204A66	2.0	4.62	6.69	2.05	5.23	4.5	6.5	CMA13-20	37.42
EFP304A66	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



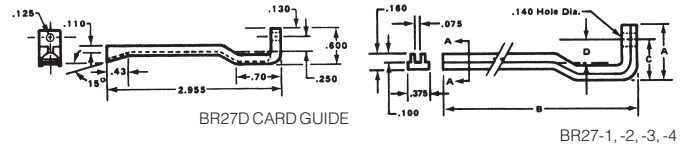
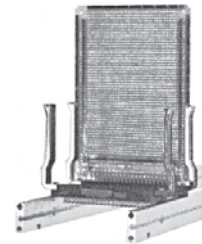
END VIEW
SNAP-IN CARD GUIDE

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 and Vector P series sidewalls	\$34.27
CG2-65P	Plastic, Screw	5.42"	4.50"	6.50"		26.56
CG2-65S	Nylon, Snap-in	5.42"	4.50"	6.50"		15.13
CG2-80P	Plastic, Screw	6.64"	6.00"	8.00"	Subrack series 14, 15, 17, 18, 100	27.02
CG2-80S	Nylon, Snap-in	6.93"	6.00"	8.00"		22.24
CG2-95P	Plastic, Screw	8.14"	7.50"	9.50"	and Vector P series	27.45
CG2-95S	Nylon, Snap-in	8.43"	7.50"	9.50"		19.29



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 Plugboards with centered contacts, such as Vector 3677, 3682 & 3662 series.	\$10.07



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 rear 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.

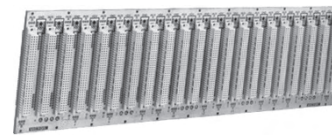
Cat. No.	Dimensions			Net
	Width (Inches)	Depth (Inches)	Height (Inches)	
CCA26-84-00	19.0	8.5	3U	\$167.04
CCA27-84-00	19.0	12.0	3U	188.55
CCA31-84-00	19.0	12.0	3U	190.91
CCA32-84-00	19.0	15.0	6U	264.64



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 may be added at slot intervals at any time 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, 0.8" 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 (Vcc) 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