

CCK13-16/90

**SUBRACK**

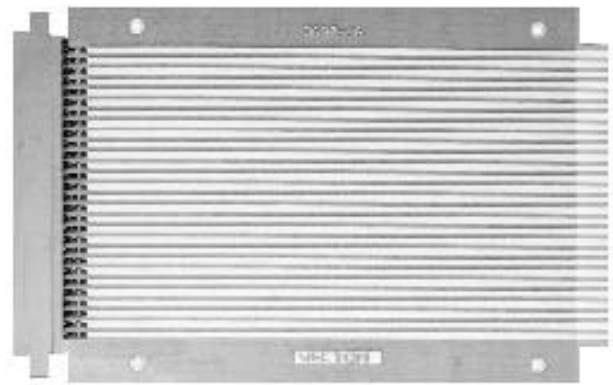
3U Subrack with 16-slot backplane  
(photo)

3U Subrack with 8 slot backplane  
(CCK13-HT8/90)

**EXTENDER BOARD**

**STD 3690-16**

- Length:** 6.5" (165.1mm)
- Height:** 4.5" (114.3mm)
- Contacts:** 56 @ .125" Ctrs Ni/Gold
- Current Rating:** 5 amps at 10° F. rise
- Voltage Rating:** 200 RMS or 300 VDC
- Material:** FR4 Epoxy Glass 2 oz. Cu.

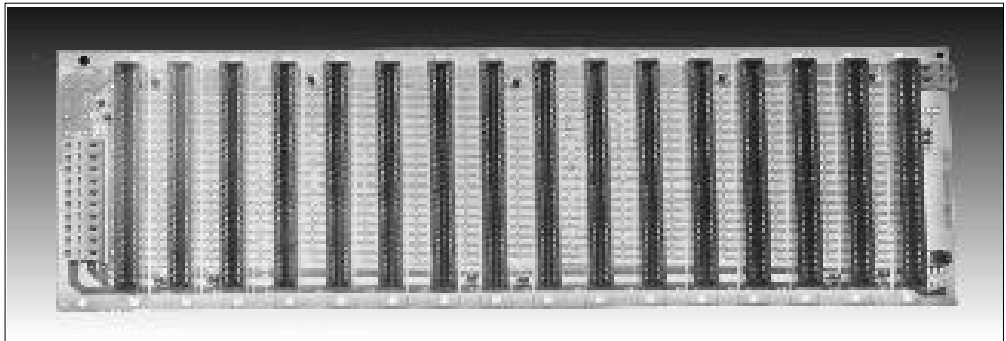


**8 and 16-slot**

**BACKPLANES**

Fully assembled and tested, Vector Backplanes for STD Bus applications. 8 or 16-slot versions available, connector spacing is on 0.75" centers. Ample positions for decoupling capacitors. Meets all STD Bus specifications, including interrupt priority lines. Featuring:

- Faraday shield lines reduce cross-talk
- Wiring pads on board to connect RESET switch for front panel controls
- High reliability connectors with gold/plated contacts and 10-position power connector
- Wago power blocks



**Specifications:**

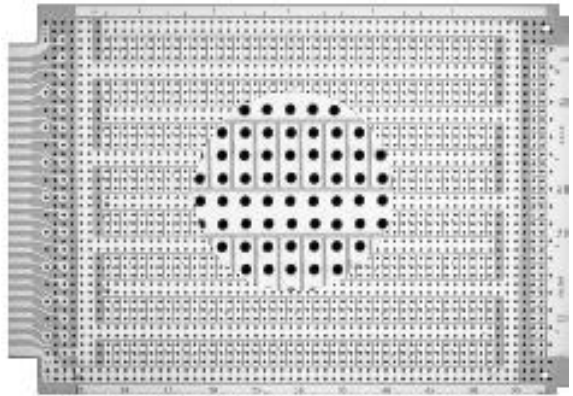
- Material:** FR4 Epoxy Glass. .093" thick, UL94-V-0 compliant
- Operating Temp.:** 0 to 60°C
- Storage:** -20 to 60°C
- Rel. Humidity:** 0-95%, non condensing

Part No.	Description	Dimensions			Connector Spacing	Accessories		
		Width	Length	Thickness		Plugbord Series	Extender	Card Racks/Enclosure
4610-8-1A	8-slot assembled	4.35"	7.00"	1/16"	.750"	4610 Series	3690-16	CCK 13 Series
4610-16-1A	16-slot assembled	4.35"	13.00"	1/16"	.750"	4610 Series	3690-16	CCK 13 Series

Other Buses

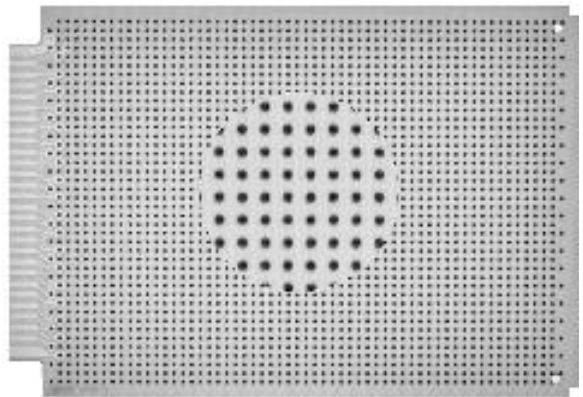
## 4610 STD

**Circuit Pattern:** 3-Hole Solder Pad  
**Contacts:** 28/56 @ .125" Ctrs, • I/O mounting area for ribbon cable header  
 Ni/Gold  
**Width/Thick:** 6.5"/.062" • Solder pads on wiring side: component side has contacts only  
**Height:** 4.5" • Layout paper and instructions included  
**16-Pin DIP Capacity:** 20 • Pad and bus surfaces solder-coated for user convenience  
**Material:** CEM-1  
**V/G Terminals:** T44, T46, T49, T68  
**Wire-Wrap Socket Pins:** R32  
**Extender:** 3690-16  
**Solder Connector:** R656-1  
**Wire-Wrap Connector:** R656  
**Rec. Card Cage:** Series 13  
**Hole Diameter:** .042"



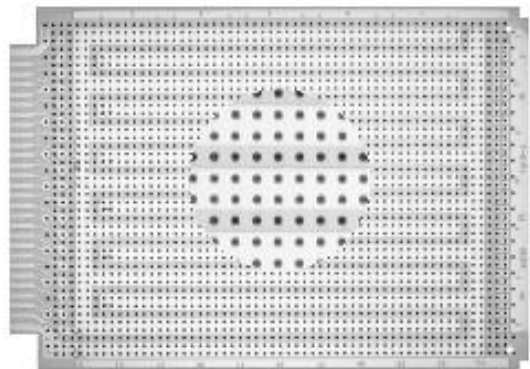
## 4610-1 STD

**Circuit Pattern:** Contacts Only  
**Contacts:** 28/56 @ .125" Ctrs, Ni/Gold  
**Width/Thick:** 6.5"/.062" • Unrestricted component placement over entire board surface  
**Height:** 4.5" • Layout paper and instructions included  
**16-Pin DIP Capacity:** 59  
**Material:** CEM-1  
**Wire-Wrap Terminals:** T44, T46, T49, T68  
**Wire-Wrap Socket Pins:** R32  
**Solder Connector:** R656-1  
**Extender:** 3690-16  
**Rec. Card Cage:** Series 13  
**Wire-Wrap Connector:** R656  
**Hole Diameter:** .042"



## 4610-2 STD

**Circuit Pattern:** Interleaved Buses  
**Contacts:** 28/56 @ .125" Ctrs, Ni/Gold  
**Width/Thick:** 9.6"/.062" • Power and ground buses on wiring side only, component side has contacts only  
**Height:** 4.5" • I/O mounting area for ribbon cable connector  
**16-Pin DIP Capacity:** 35 • Layout paper and instructions included  
**Material:** CEM-1  
**Wire-Wrap Terminals:** T44, T46, T49, T68  
**Wire-Wrap Socket Pins:** R32  
**Solder Connector:** R656-1  
**Extender:** 3690-16  
**Rec. Card Cage:** Series 13  
**Wire-Wrap Connector:** R656  
**Hole Diameter:** .042"



## 4610-3 STD

**Circuit Pattern:** Pad-Per-Hole  
**Contacts:** 28/56 @ .125" Ctrs Ni/Gold • Layout paper and instructions included  
**Width/Thick:** 6.5"/.062" • Row and column legends provided  
**Height:** 4.5" w • 0.042" plated -thru holes on on 0.1" grid  
**16-Pin DIP Capacity:** 52  
**Material:** FR4 Epoxy Glass  
**V/G Terminals:** T44, T46, T49, T68  
**Socket Pins:** R32  
**Solder Connector:** R656-1  
**Extender:** 3690-16  
**Rec. Card Cage:** Series 13  
**Wire-Wrap Connector:** R656  
**Hole Diameter:** .042"

