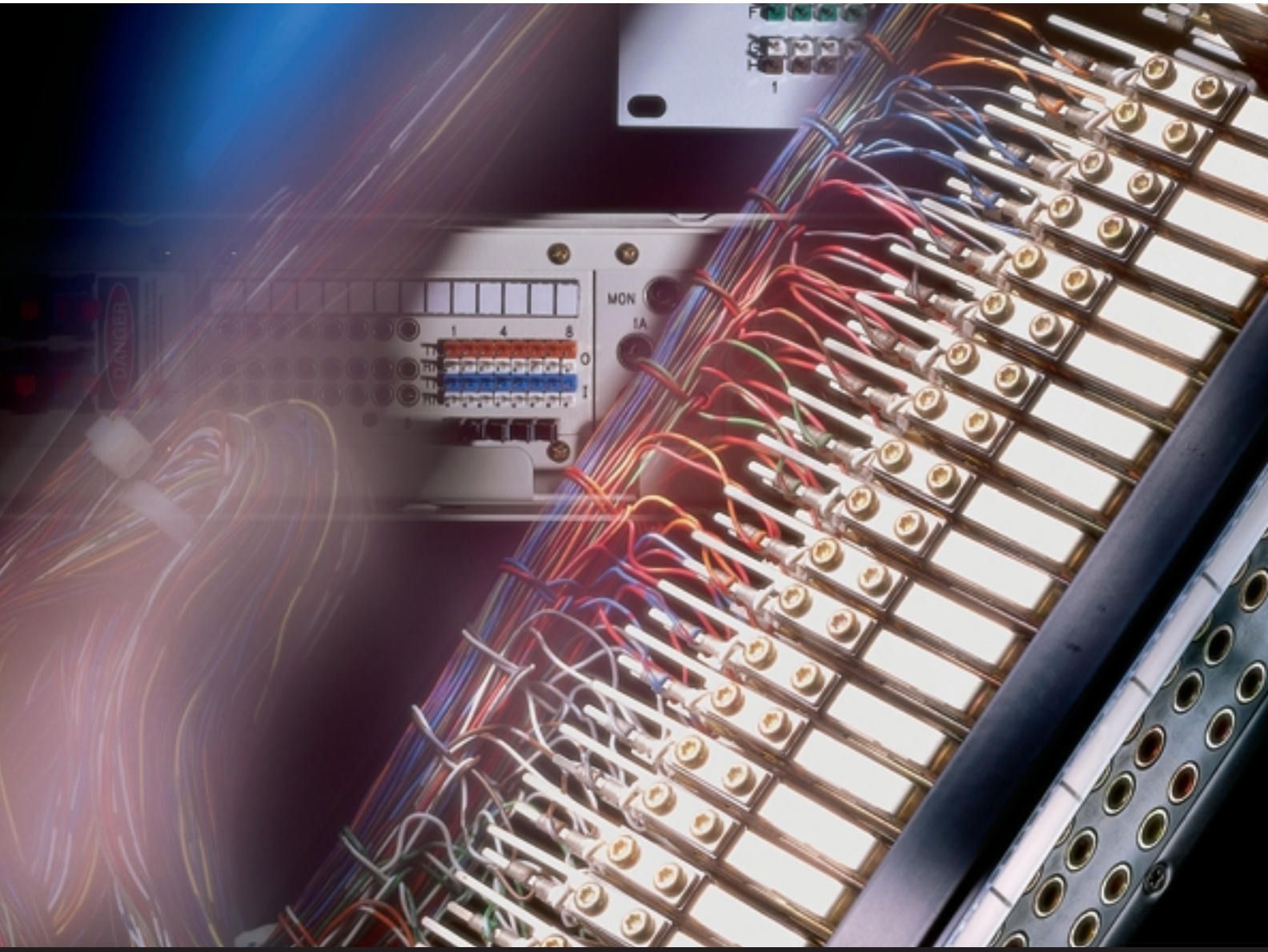


Termination/Wired Access Products

Termination/Wired Access Products

Table of Contents

Termination/Wired Access Products
Table of Contents

Termination/Wired Access Products
Table of Contents

Multifunction Panel

The compact, modular universal multifunction chassis provides a point for nonintrusive monitoring, testing and patching of circuits in PCS, wireless, utilities, CAP, CATV and customer premises applications. The common chassis accepts three individual plug-in modules or one CSU and one plug-in module. This concept eliminates the need to purchase separate panels for each application.

Features

Compact, modular multifunction chassis provides a point for nonintrusive monitoring, testing and patching of circuits.

Rack, wall or cabinet mounting

Multiservice, multimedia

Provides termination for: Voice, Data, Video, RF, Fiber, DS1/T1/FT, DS3/T3, Fuse and Alarm

Plug-in modules

- DSO punch down module
- 4 and 8 termination DS1 interconnect modules available in wire-wrap or RJ IN/OUT connections
- 8 termination monitor module
- 8 termination DSX-1 cross-connect modules available in wire-wrap or RJ IN/OUT connections
- 1 circuit DS3 MPOP interconnect module with a modular design for growth up to 3 DS3 circuits
- Fiber connector module
- CSU mounting shelf
- Fuse and alarm module

Multifunction swing-out universal chassis loaded with a fiber, DS1 and DS3 module

Multifunction swing-out chassis loaded with one CSU and an 8 termination front cross-connect DS1 module

Multifunction Panel

Wireless/Wire Line Applications

As end customers require more and more services, service providers (CAPs, CATV, utilities and RBOCs) are taking a more active role in providing and maintaining the switch services at the customer premises location. Figure 1 shows an integrated access concentrator at the customer premises location, with the multifunction panel providing a demarcation point, as well as nonintrusive monitoring, testing and patching, all within one integrated chassis.

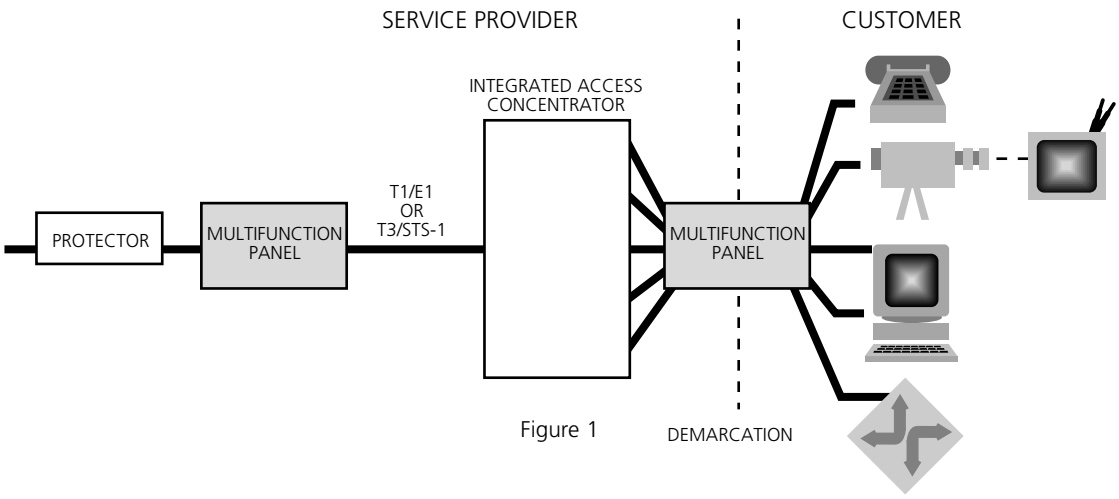


Figure 1

Wireless/Nonwire Line Applications

In today's competitive wireless market, the ability to test, monitor and patch the RF signal prior to sending the signal is essential in ensuring the downstream signal's quality. Figure 2 illustrates a typical base station with incoming signals connected to the multifunction panel before going to the up/down converter.

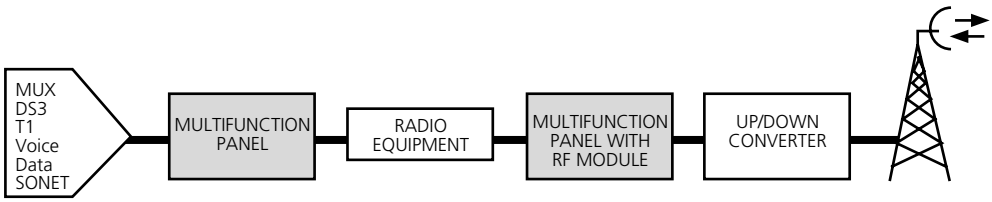


Figure 2

Multifunction Panel

Wireless Multifunction Panel with DS1 Loopback Applications

The multifunction panel can be provisioned for a loopback function for initial turn-up or troubleshooting a circuit. The loopback, when activated, loops the incoming DS1 signal back upon itself to the service provider. This function eleminates the need for having to dispatch a technician to the site and deploying a hardware loopback. Total mounting space is 3.5".

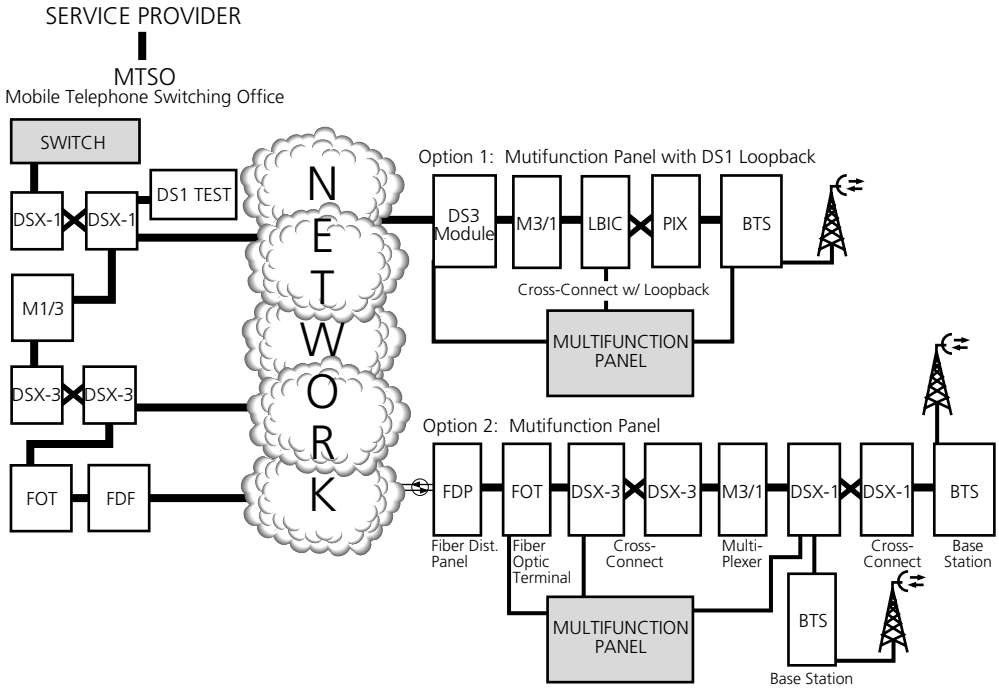


Figure 3 Cellular/PCS Site Options

Customer Premises Applications

Technicians at customer premises locations should have access to the incoming line for testing, patching and monitoring. This ability is critical for troubleshooting a source of failure. The multifunction panel provides both a demarcation point and a central location for technicians to test the incoming signal. Figure 4 depicts a customer premises location with the multifunction panel integrated into the network.

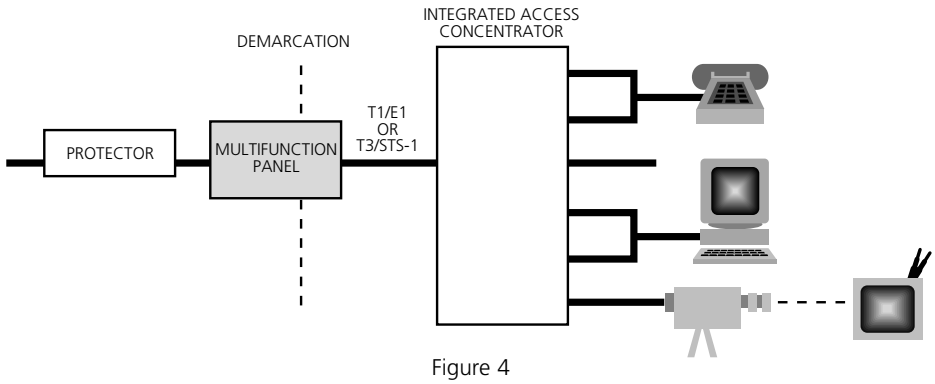


Figure 4

Multifunction Panel

DS0 Modules


Front


Rear

MFP-261003

DS1 Interconnect Modules

4 Termination


Front


Rear
(Wire-Wrap IN/OUT)

MFP-241000

8 Termination


Front


Rear

MFP-242001

DS1 Monitor Modules


Front


Rear

MFP-261001

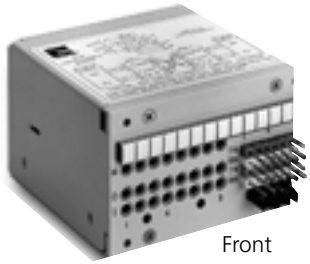
Multifunction Panel

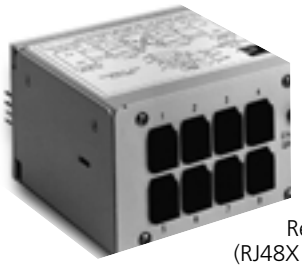
DS1 Front Cross-Connect Modules, 8 Termination


Front

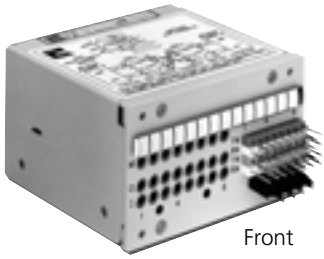

Rear
(Wire-Wrap IN/OUT)

MFP-231002


Front


Rear
(RJ48X IN/OUT)

MFP-232001


Front


Rear

MFP-232001

DS1 Remote Loopback Kit

Catalog Number – MFP-260005

Includes:

(1) Empty 4 position module (not shown); supports 4 loopback cards and 1 power supply card

(1) -48V power supply card

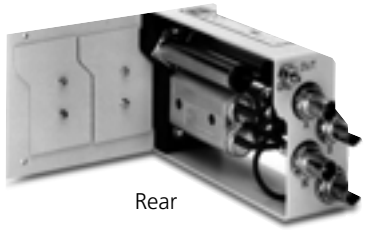
(1) DS1 loopback card


One power supply card required per DS1 loopback card.

Multifunction Panel

DS3 Modular Interconnect Module


Front

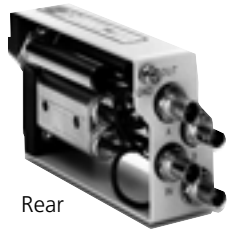

Rear

MFP-243002

Individual DS3 Circuit

(mounts in module MFP-243002)


Front


Rear

MFP-243001

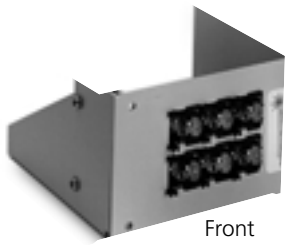
DS3 Mini Module, 6 Position LCJ Style

(mounts in MFP-243005)


LCJ-112000

Multifunction Panel

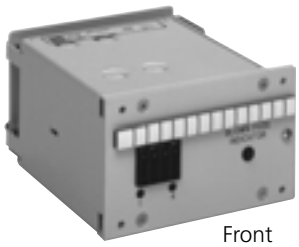
Splice/Storage Fiber Plug-In Module, 6 Termination

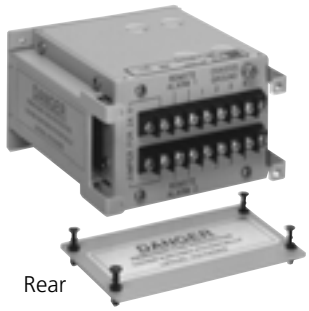

Front


Rear

MFP-250002

Fuse and Alarm Modules


Front


Rear

MFP-260000

Multifunction Panel
Chassis

The common chassis accepts three individual plug-in modules or one CSU and one plug-in module. This concept eliminates the need to purchase separate chassis panels for each application.

CSU Shelf

Swing-Out Chassis

Bulkhead Chassis

Ordering Information

Description	Catalog Number
Common Swing-Out Chassis 3.5" H x 17.3" W x 10.5" D (8.89 x 43.94 x 26.67 cm) • 3 position, swing-out chassis • Front and rear access • Cable management for twisted pair, fiber and coax • Mounts in 19" or 23" EIA/WECO racks or wall mount • Adjustable flush, 1", 2" or 5" mounting	MFP-100000
Bulkhead Front Panel • EIA/WECO rack • Flush mount only 19" (48.26 cm) - 3 positions 23" (58.42 cm) - 4 positions	 MFP-110000 MFP-120000
CSU Shelf • Provides hardware to mount one stand alone CSU • Cable management for routing incoming and outgoing cable assemblies	MFP-260001

Multifunction Panel
Plug-In Modules

Ordering Information

Description	Catalog Number
DS0 Modules	
25 pair with 50-pin male connector on rear, punch down front	MFP-261003
25 pair with 50-pin male connector on rear, wire-wrap on front	MFP-261005
60-pin terminal block, wire-wrap to wire-wrap	MFP-261008
DS1 Interconnect Modules	
For applications in which cross-connect functionality is not required	
4 termination – supports 2 T1 circuits	
wire-wrap IN/OUT	MFP-241000
RF48X IN/OUT	MFP-242000
8 termination – supports 4 T1 circuits	
1 50-pin connector IN/OUT, 4 RJ48X IN/OUT	MFP-242001
4 wire-wrap IN/OUT, 4 RJ48X IN/OUT	MFP-242002
14 termination – supports up to 7 T1 circuits	
wire-wrap IN/OUT	MFP-231000
DS1 Front Cross-Connect Module	
8 termination – supports 4 T1 circuits	
wire-wrap	MFP-231002
RJ48X IN/OUT	MFP-232001
RJ48C IN/OUT	MFP-232005
4 wire-wrap IN/OUT, 4 RJ48X IN/OUT	MFP-232002
DS3 One Position Modular Interconnect Module	
One position interconnect module with space for growth; total capacity of 3 DS3 circuits	
Standard size coax jack access ports for testing or patching	MFP-243002
Midsize coax jack access ports for testing or patching	MFP-243006
Individual DS3 Circuits	
Mounts only in the MFP-243002 module	MFP-243001
Mounts only in the MFP-243006 module	MFP-243005
DS3 6 Position Mini LCJ Style Module	
Supports 6 DS3 circuits	
Empty module (includes two jack access cards)	MFP-243010
Individual DS3 access cards	LCJ-112000
Rear interface unit (required with each access card)	LCJ-102000
LCP miniature 3' patch cord	PCH-DDXC-003
Conversion 6' patch cord (LCP to midsize plug)	PCH-DMXC-006

Multifunction Panel
Modules

Ordering Information

Description	Catalog Number
Fiber Module	
Splicing, storage and termination	
Loaded with adapters	
Singlemode SC adapters, no pigtails	MFP-250004
Singlemode FC adapters, no pigtails	MFP-250001
Singlemode ST® adapters, no pigtails	MFP-250002
Multimode ST® adapters, no pigtails	MFP-250003
Multimode SC adapters, no pigtails	MFP-250005
6 position splice chips for fiber module	
Heat shrink fusion	FSC-HS
Bare fusion	FSC-FT
Fiber cable clamp (for incoming fiber)	MFP-251005
Fiber pigtails - 2 m (6.56')	
Singlemode FC	FPT9-SPFC-S-2M
Singlemode ST®	FPT9-SPST-S-2M
Singlemode SC	FPT9-SPSC-S-2M
Multimode ST®	FPT9-MST-B-2M
Fuse and Alarm Module	
Each output port has maximum load capacity of 3 amps	
Provides -24/-48 volt fuse positions for up to 4 GMT type fuses	MFP-260000
Provides +24/+48 volt fuse positions for up to 4 GMT type fuses	MFP-260020
Accessories	
Blank plate	MFP-300000
Smoked plexiglas door	MFP-300001
Smoked plexiglas door with lock	MFP-300002
3 conductor single Bantam test/patch cord, 6' (1.83 m)	PJ722
Rack or wall mount cable management rings	
2" x 2" (5.08 x 5.08 cm)	QR-22
4" x 5" (10.16 x 12.7 cm)	QR-45
6" x 5" (15.24 x 12.7 cm)	QR-65
Wall or rack mount cable tie down bracket, 3.0" (7.62 cm)	BC-3

Related Products

- ADC Kentrox CSU/DSU
- ADC FasTerm® Fiber Connectors
- True 75Ω BNC connectors

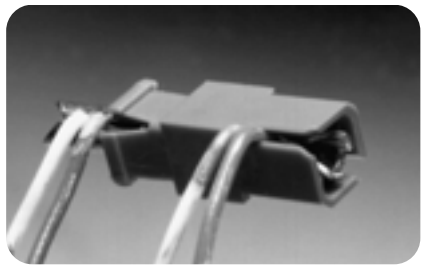
For more information on these products, contact ADC Customer Service.

QCP Wire Distribution Products

QCP Wire Distribution Systems

Features and Benefits

- High density - up to 10,000 terminations in an 8' bay
- Quick, time-saving terminations
- Easy circuit indentification
- Efficient wire management

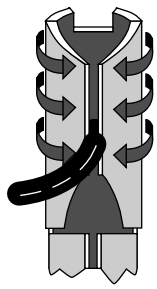


Individual QCP Cylinder

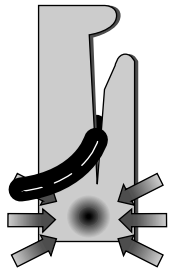
QCP Insulation Displacement Contact

Features and Benefits

- Evenly distributes the holding force of the cylinder
- Allows many insertion / withdrawal cycles
- Provides strain relief for wire
- Furnishes a gas tight connection
- Handles a variety of wire types
- Offers safe insulated terminations



Correct Strain Relief for Wire



Stress Point Caused by Incorrect Strain Relief

Connectorized or Non-Connectorized

Connectorized

Non-Connectorized

QCP Wire Distribution Products

QCP 200/400 Pair Standard Panel

19" (48.26 cm) EIA (1.75"/4.45 cm) Rack Spacing

Ordering Information

Description	Catalog Number
Connectorized Panels with Rear 50-pin Plug Connector	
400 Pair	
QCP punch down	Q69F4-0825M
Wire-wrap	W69F4-0825M
200 Pair	
QCP punch down	Q39U2-0825X
Wire-wrap	W39X2-0825M
Non-Connectorized Panels	
400 Pair	
QCP punch down to QCP punch down	Q69F4-0825X
Wire-wrap to wire-wrap	W69F4-1225X
QCP punch down to wire-wrap	QW69F4-1225X
200 Pair	
QCP punch down to QCP punch down	Q39U2-0825X
Wire-wrap to wire-wrap	W39X2-0825X
QCP punch down to wire-wrap	QW39U2-0825X

23" (58.42 cm) WECO (2"/5.08 cm) Rack Spacing

Ordering Information

Description	Catalog Number
Connectorized Panels with Rear 50-pin Plug Connector	
400 Pair	
QCP punch down	Q73F4-0825M
Wire-wrap	W73F4-0825M
200 Pair	
QCP punch down	Q43U2-0825M
Wire-wrap	W43X2-0825M
Non-Connectorized Panels	
400 Pair	
QCP punch down to QCP punch down	Q73F4-0825X
Wire-wrap to wire-wrap	W73F4-0825X
QCP punch down to wire-wrap	QW73F4-0825X
200 Pair	
QCP punch down to QCP punch down	Q43U2-0825X
Wire-wrap to wire-wrap	W43X2-0825X
QCP punch down to wire-wrap	QW43U2-0825X

Other panels are available. Minimum quantities may apply.
Dimensional drawings and specifications are found on pages 53-57.

QCP Wire Distribution Products

QCP 300/600 Pair Standard Panel

19" (48.26 cm) EIA (1.75"/4.45 cm) Rack Spacing

Ordering Information

Description	Catalog Number
Connectorized Panels with Rear 50-pin Plug Connectors	
600 Pair	
QCP punch down	Q89F4-1225M
Wire-wrap	W89F4-1225M
300 Pair	
QCP punch down	Q39U2-1225M
Wire-wrap	W39U2-1225M
Non-Connectorized Panels	
600 Pair	
QCP punch down to QCP punch down	Q89F4-1225X
Wire-wrap to wire-wrap	W89F4-1225X
QCP punch down to wire-wrap	QW89F4-1225X
300 Pair	
QCP punch down to QCP punch down	Q39U2-1225X
Wire-wrap to wire-wrap	W39X2-1225X
QCP punch down to wire-wrap	QW39U2-1225X

23" (58.42 cm) WECO (2"/5.08 cm) Rack Spacing

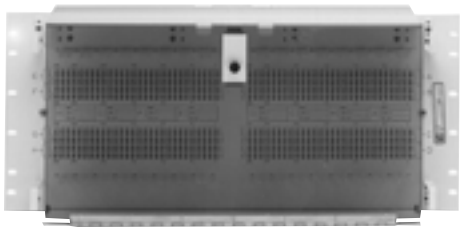
Ordering Information

Description	Catalog Number
Connectorized Panels with Rear 50-pin Plug Connectors	
600 Pair	
QCP punch down	Q93F4-1225M
Wire-wrap	W93F4-1225M
300 Pair	
QCP punch down	Q43U2-1225M
Wire-wrap	W43X2-1225M
Non-Connectorized Panels	
600 Pair	
QCP punch down to QCP punch down	Q93F4-1225X
Wire-wrap to wire-wrap	W93F4-1225X
300 Pair	
QCP punch down to QCP punch down	Q43U2-1225X
Wire-wrap to wire-wrap	W43X2-1225X

Other panels are available. Minimum quantities may apply.
Dimensional drawings and specifications are found on pages 53-57.

QCP Wire Distribution Products

QCP DCS Panel



Features and Benefits

- Convenient access point to monitor, test or reconfigure circuits, eliminating work on the DCS backplane and enabling troubleshooting without uncabling.
- Preplanned, durable access point for troubleshooting in a "direct connect" application: a 1 for 1 circuit connection, through the front and rear side of the same termination contact by terminating network element wires on the front and the DCS cable on the back of the panel.
- In an interconnect application, allows rerouting of circuits by terminating the DCS and network element cables on the rear of the panel and interconnecting them on the front.
- Available in 112 and 224 circuit sizes. The 112 circuit panel is configured with pin groups of 4x28 and provides the easiest work access. The 224 circuit panel is configured with pin groups of 8x28 and provides the highest termination density, saving space.
- Excellent cable management with a variety of filler panels, stand-off brackets, fanning panels, fanning rings and dust covers.
- Available with shield pins as optional bonding points. If used, the shield pins provide a means for DCS/network element sheath continuity.
- Easily tested without clipping shortened pigtails within the same cable sheath. The QCP contacts are available for applications needing frequent test access.
- Centralized termination, interconnection and access to digital transmission lines between the DCS and the network elements
- An alternative to hardwiring digital telecommunications equipment directly to the DCS
- A fallback option for interconnection of network elements if the DCS fails

QCP Wire Distribution Products

QCP DCS Panel

Ordering Information

Description	Dimensions	Catalog Number
Connectorized Panel Wire-wrap 112 circuit	4" x 23" (10.16 x 58.42 cm)	QCP-YDXXA1

Non-connectorized panels are available. Please contact ADC.
Dimensional drawings and specifications are found on pages 53-57.

QCP Wire Distribution Products

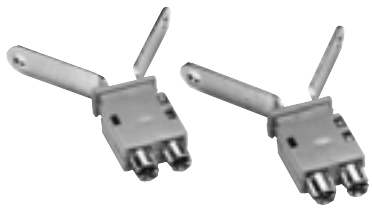
QCP DCS Panel

Ordering Information

Description	Catalog Number
Tools	
Impact tool	QB-2
Replacement tip for QB-2	QB-2T
Manual tool (no spring loaded mechanism)	Q115
Tool holder, bracket style	Q150
QCP Replacement Kit	
includes instruction and:	QRK-25
25 red QCP housings	
25 black QCP housings	
25 white QCP housings	
12 blue QCP housings	
12 orange QCP housings	
100 split cylinder contacts	
Contact Replacement Kits	
includes 200 split cylinders and 100 colored plastic housings in a selection of 10 colors	
QCP replacement kit	Q100
QCP/wire-wrap .580" (1.47 cm) tail	Q200
Sleeving Kit	
includes 100 pieces 2.5" (6.35 cm)	
PVC white	SLVG-1
Insulated Bridging Clips	
used to bridge contacts	
.3" (.76 cm) centers	QBC-3
.2" (.51 cm) centers	QBC-2
Test Access Plug	
used to access circuits for testing and monitoring; metal tabs external to plug's handle provide an easy way to attach test probes and/or alligator clips	
.3" (.76 cm) centers	QAP-3
.2" (.51 cm) centers	QAP-2

Accessories

Insulated Bridging Clips



Test Access Plugs

Modular Patch Panels

Features and Benefits

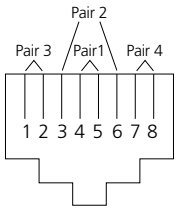
- Provides connectivity to virtually any type of equipment using unshielded twisted pair (UTP)
  - LAN workstations
  - Wiring hubs
  - Trunk lines
  - Printers
  - Fax machines
  - Concentrators
  - Servers
  - T1 lines
  - Voice circuits
- Tested for reliable, digital operation of up to 10 Mbps
- Can be used effectively for 10 Mbps Ethernet, 10BaseT, token ring at 4 Mbps, T1 or ISDN applications
- 50-pin connectors or wire-wrap terminals located on rear of panel for equipment termination
- Installed in wiring closet in rack or on a wall (with optional bracket kit); or can be placed in an enclosed cabinet rack in end user work area

Specifications are found on page 58.

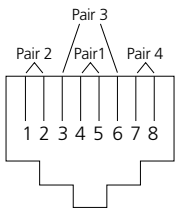
MPP-N28BA1 (front)

MPP-N28BA1 (rear)

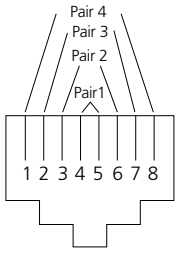
MPP-CXFBA1 (front)



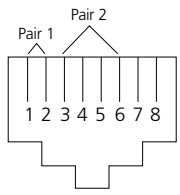
TIA 568 A



TIA 568 B



USOC



10 Base T
(4 Wire)

MPP panels can be ordered in several wiring schemes. The TIA-568A and TIA 568B wiring schemes are those recommended by the TIA Commercial Building and Wiring Standards Committee.

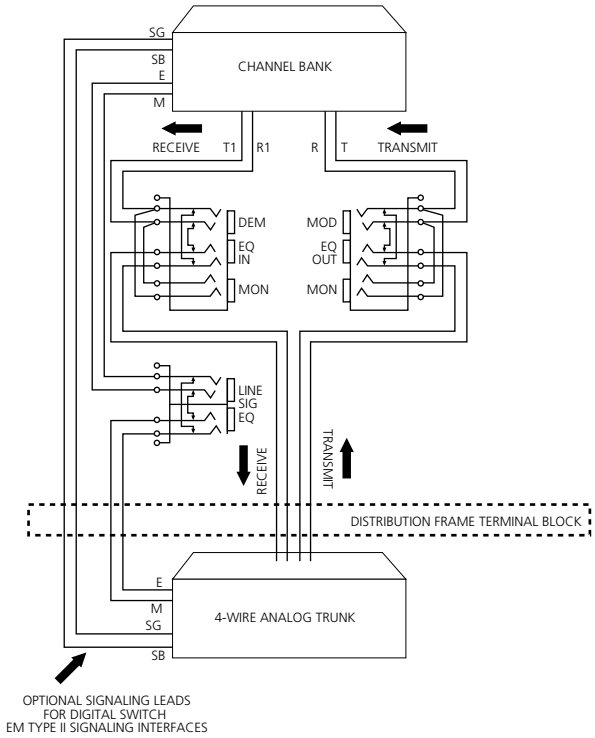
Modular Patch Panels

Ordering Information

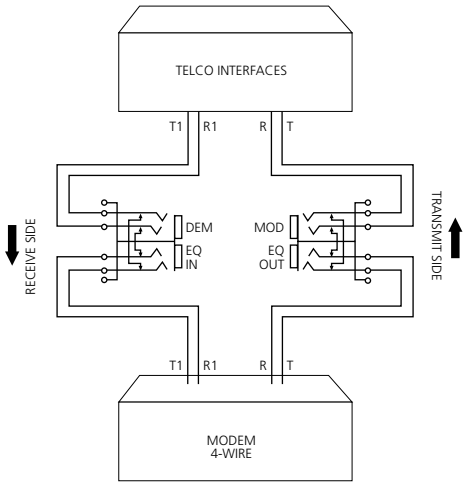
Description	Dimensions (Height x Width x Depth)	Catalog Number
Demarcation Panels		
Support up to 10 Mbps (Category 3)		
4-wire		
28 position, straight through wiring		
RJ48X jacks and monitor jacks on front; 64-pin receptacle connectors and wire-wrap on rear	3.5" x 19" or 23" x 5.95" (8.89 x 48.26 or 58.42 x 15.11 cm)	MPP-N28BA1
RJ48X jacks on front; wire-wrap on rear	1.75" x 19" or 23" x 2.94" (4.45 x 48.26 or 58.42 x 7.47 cm)	MPP-GDXBA1
RJ48C jacks on front; wire-wrap on rear	1.75" x 19" or 23" x 2.94" (4.45 x 48.26 or 58.42 x 7.47 cm)	MPP-GDXBA2
8-wire		
Straight through wiring		
32 position; RJ45 jacks on front; 50-pin receptacle on rear	3.5" x 19" x 3.55" (8.89 x 48.26 x 9.02 cm)	MPP-CXZXBT2A
24 position; RJ48 jacks on front; two 50-pin receptacles on rear; rack mountable	3.5" x 19" x 3.55" (8.89 x 48.26 x 9.02 cm)	MPP-CXFBA1
Wall Mount Panels		
Total front access		
4-wire		
Straight through wiring		
IN/OUT cabling: wire-wrap		
14 position; RJ48C	3.5" x 18.5" x 3.55" (8.89 x 46.99 x 9.02 cm)	MPP-CXZXF4
8 position; RJ48C	3.5" x 14" x 3.5" (8.89 x 35.56 x 8.89 cm)	MPP-CXZXF3
5 position; RJ48C	3.5" x 9.88" x 3.5" (8.89 x 25.10 x 8.89 cm	MPP-CXZXF2

Wired Assemblies
Applications

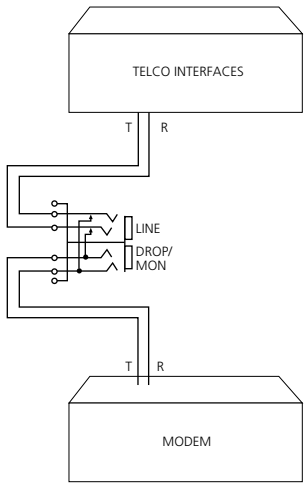
In the central office, wired assembly jackfields, inserted into VF circuits between different office equipment, provide jack access for testing and rerouting (patching) circuits.



4- and 6-Wire Jackfield in a Telco Application



4-Wire Jackfield (no monitor)
in a Customer Premises Application



Application Between
Modem and Cable Pair

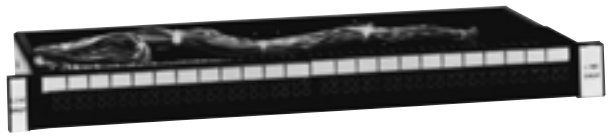
Wired Assemblies
Bantam Connectorized Jackfields

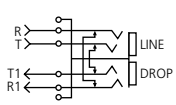
2-Wire Jackfield

Features and Benefits

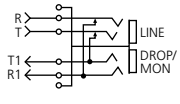
The JC2 Bantam jackfield provides forty-eight or ninety-six 2-wire circuits, including monitor jacks. Circuit connections are made through standard 50-pin connectors mounted on the rear of the chassis. Line connectors are receptacles, drops are plugs.

- Front panel hinged for internal access
- Horizontal designation strips furnished with a white card and clear window for circuit identification
- Vertical designation cards printed with row functions

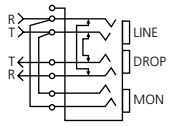




JC2/48



JC2/48LDM



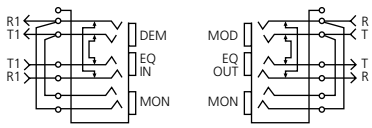
JC2/48M

4-Wire Jackfield

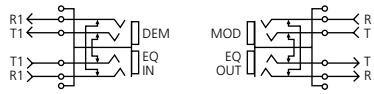
Features and Benefits

The JC4 Bantam jackfield provides seventeen or twenty-four 4-wire circuits,including monitor jacks. Circuit connections are made through standard 50-pin connectors on the rear of the chassis. Equipment IN and MOD are receptacles; Equipment OUT and DEMOD are plugs.

- Front panel hinged for internal access
- Horizontal designation strips furnished with a white card and clear window for circuit identification
- Vertical designation cards printed with row functions



JC4/48M



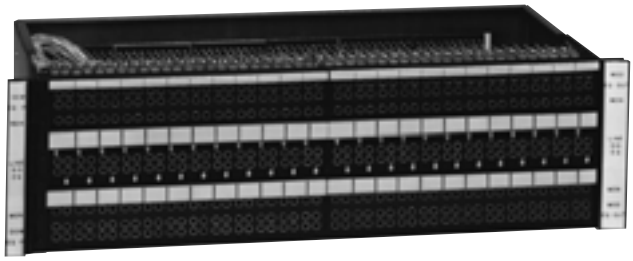
JC4/24

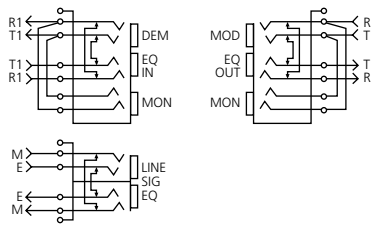
6-Wire Jackfield

Features and Benefits

The JC6 Bantam jackfield provides twelve, twenty four or forty-eight 6-wire circuits, consisting of DEM/MOD, EQ IN/ EQ OUT, MOD and Signal jacks. Circuit connections are made through standard 50-pin connectors on the rear of the chassis. Equipment IN and MOD are receptacles; Equipment OUT and DEMOD are plugs.

- Front panel hinged for internal access
- Horizontal designation strips furnished with a white card and clear window for circuit identification
- Vertical designation cards printed with row functions





JC6/48M

Wired Assemblies
Bantam Connectorized Jackfields

Ordering Information

Description	Dimensions (H x W x D)	# of Circuits	Catalog Number
2-Wire			
With primary Line/Drop or Signal E/M	1.75" x 19" x 8" (4.45 x 48.26 x 20.32 cm)	48	JC2/48
With primary Line/Drop or Signal E/M plus a third row of monitor jacks	1.75" x 19" x 8" (4.45 x 48.26 x 20.32 cm)	48	JC2/48M
With line and combination Drop/Monitor	1.75" x 19" x 8" (4.45 x 48.26 x 20.32 cm)	48	JC2/48LDM
4-Wire			
With Voice Frequency jacks, DEM/MOD, EQ IN/EQ OUT	1.75" x 19" x 8" (4.45 x 48.26 x 20.32 cm)	17	JC4/17
With Voice Frequency jacks, DEM/MOD, EQ IN/EQ OUT	1.75" x 19" x 8" (4.45 x 48.26 x 20.32 cm)	24	JC4/24
With Voice Frequency jacks, DEM/MOD, EQ IN/EQ OUT, monitor jacks	1.75" x 19" x 8" (4.45 x 48.26 x 20.32 cm)	24	JC4/24M
6-Wire			
With monitor and signal E/M jacks; signal jacks on right side of panel	1.75" x 19" x 8" (4.45 x 48.26 x 20.32 cm)	12	JC6/12M
With -48V LED E/M indicators	3.5" x 19" x 8" (8.90 x 48.26 x 20.32 cm)	24	JC6/24-48LED/EM
With monitor and signal E/M jacks	5.25" x 19" x 8" (13.35 x 48.26 x 20.32 cm)	48	JC6/48M
With monitor and signal E/M jacks; signal E/M leads separated and brought out to separate connectors	5.25" x 19" x 8" (13.35 x 48.26 x 20.32 cm)	48	JC6/48SC

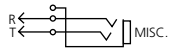
For wired assemblies accessories such as patch cords, mounting hardware and plugs, see pages 38-52.

Wired Assemblies
Miscellaneous Bantam Jackfields

Features and Benefits

The JC-MSC jackfield provides access to an office milliwatt supply, amplifiers, 2-wire/4-wire term sets and portable test equipment. All connections are made via 50-pin connectors.

- Front panel hinged for internal access
- Horizontal designation strips furnished with a white card and clear window for circuit identification
- Vertical designation cards preprinted



JC-MSC

Ordering Information

Description	Dimensions (H x W x D)	# of Circuits	Catalog Number
Miscellaneous Jackfield 2-wire; access to office milliwatt supply, amplifiers, 2-wire/4-wire term sets, portable test equipment	1.75" x 19" x 8" (4.45 x 48.26 x 20.32 cm)	96	JC-MSC

For wired assemblies accessories such as patch cords, mounting hardware and plugs, see pages 38-52.

QCP Jackfields

The QCP jackfield provides a means of accessing 2- and 4-wire circuits at a point that is nonconnectorized and in which stranded VF cable has been used. The QCP contacts on the rear of the jackfield utilize ADC's split cylinder, punch down insulation displacement contact. The split cylinder contacts accept 22, 24 and 26 AWG solid or stranded wire. These contacts provide the capability of quickly rewiring the jackfield for new circuits, or changing the circuits from 2-wire to 4-wire or from 4-wire back to 2-wire circuits. A special insertion tool is required for connecting the cable to the panel.

Ordering Information

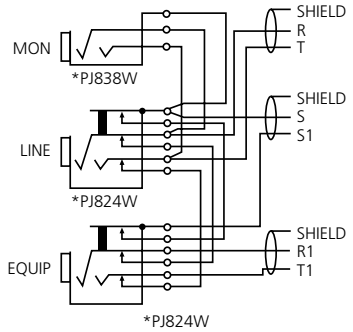
Description	Dimensions (H x W x D)	# of Circuits	Catalog Number
QCP Jackfield 2-Wire or 4-Wire Line Drop/Monitor	3.5" x 19" x 8" (8.90 x 48.26 x 20.32 cm)	24 or 48	JQ2/48M - JQ4/24M
Accessories Impact tool with tip Spare tip Manual tool Tool holder			 Q915 QB-2T Q115 Q150

For wired assemblies accessories such as patch cords, mounting hardware and plugs, see pages 38-52.

Wired Assemblies
Specialty Jackfields

Digital Jackfields

Digital Jackfields are specially shielded for security applications. They include designs for digital, audio and low-speed digital applications.



*ALL JACKS HAVE METAL SHIELDS

Ordering Information

Description	Dimensions (H x W x D)	# of Circuits	Catalog Number
Digital Jackfields 48 full duplex shielded circuits; metal covers top and bottom	3.5" x 19" x 16" (8.89 x 48.26 x 40.64 cm)	48	DJF48

For wired assemblies accessories such as patch cords, mounting hardware and plugs, see pages 38-52.

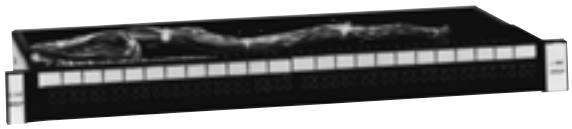
Wired Assemblies
Bantam Prewired Jackfields

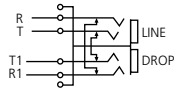
2-Wire Jackfield

Features and Benefits

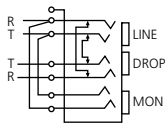
The JB2 Bantam jackfields provide forty-eight or ninety-six 2-wire circuits, including monitor jacks. Circuit connections are made by wiring the equipment to easy-access wire-wrap terminal blocks on the back of the jackfield.

- Front panel hinged for internal access
- Horizontal designation strips furnished with a white card and clear window for circuit identification
- Vertical designation cards printed with row functions





JB2/48



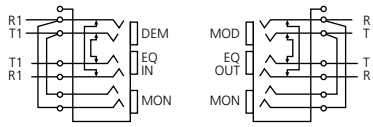
JB2/48M

4-Wire Jackfield

Features and Benefits

The JB4 Bantam jackfield provides twenty-four 4-wire circuits, including monitor jacks. Circuit connections are made by wiring the equipment to easy-access wire-wrap terminal blocks on the back of the jackfield.

- Front panel hinged for internal access
- Horizontal designation strips furnished with a white card and clear window fo circuit identification
- Vertical designation cards printed with row functions



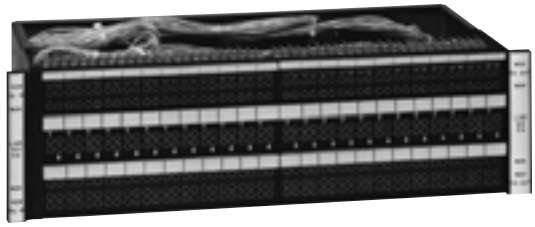
JB4/24M

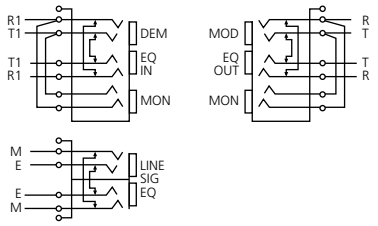
6-Wire Jackfield

Features and Benefits

The JB6 Bantam jackfield provides twelve or forty-eight 6-wire circuits, consisting of DEM/MOD, EQ IN/ EQ OUT, MON and Signal jacks. Circuit connections are made by wiring the equipment to easy-access wire-wrap terminal blocks on the back of the jackfield.

- Front panel hinged for internal access
- Horizontal designation strips furnished with a white card and clear window for circuit identification
- Vertical designation cards printed with row functions





JB6/48M

Wired Assemblies
Bantam Prewired Jackfields

Ordering Information

Description	Dimensions (H x W x D)	# of Circuits	Catalog Number
2-Wire			
With primary Line/Drop or signal E/M	1.75" x 19.0" x 8.0" (4.45 x 48.26 x 20.32 cm)	48	JB2/48
With primary Line/Drop or signal E/M plus a third row of monitor jacks	1.75" x 19.0" x 8.0" (4.45 x 48.26 x 20.32 cm)	48	JB2/48M
With primary Line/Drop or signal E/M	3.50" x 19.0" x 8.0" (8.90 x 48.26 x 20.32 cm)	96	JB2/96
4-Wire			
With Voice Frequency jacks, DEM/MOD, EQ IN/EQ OUT	1.75" x 19.0" x 8.0" (4.45 x 48.26 x 20.32 cm)	24	JB4/24
With Voice Frequency jacks, DEM/MOD, EQ IN/EQ OUT includes monitor jacks	1.75" x 19.0" x 8.0" (4.45 x 48.26 x 20.32 cm)	24	JB4/24M
6-Wire			
With monitor and signal E/M jacks; signal jacks on right side of panel	1.75" x 19.0" x 8.0" (4.45 x 48.26 x 20.32 cm)	12	JB6/12M
With monitor and signal E/M jacks	5.25" x 19.0" x 8.0" (13.35 x 48.26 x 20.32 cm)	48	JB6/48M

For wired assemblies accessories such as patch cords, mounting hardware and plugs, see pages 38-52.

Wired Assemblies
Voice Frequency Jackfields

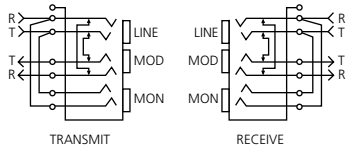
ADC VF jackfields support the network manager who needs to access, monitor, test and patch VF circuits. VF jackfields allow monitoring and testing of VF circuits, on either side of the line (telco or modem, transmit or receive), without circuit interruption. Circuit paths for both 2-wire and 4-wire lines can be changed with a single action. Built to exceed Bell System and MIL-J-641 Standards, ADC VF or Bantam jackfields have been tested to 50,000 operations. ADC VF jackfields save space, are easily installed and aid in VF line organization. Special plugs to split, open and terminate lines are available.

Modem Jackfield

Features and Benefits

ADC's modem jackfield provides complete access and patch facilities for twenty-four 4-wire or forty-eight 2-wire lines. LINE and MODEM jacks on the front allow patching of any line to any modem access for test equipment. Front panel MONITOR jack access provides a bridging connection across the line. All jacks are prewired to 50-pin connectors located at the rear of the panel. The jacks accept 3 conductor Bantam plugs (2 conductors plus braided shield).

- Horizontal designation strips furnished with a white card and clear window for circuit identification
- Row functions are permanently marked for ease of operation
- Plexiglass dust cover provided
- FCC registered (Part 68)



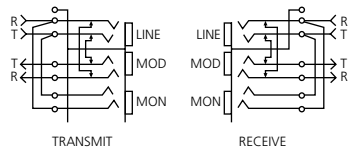
DMMOJ-1

In-Line Jackfield

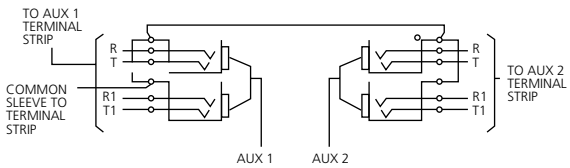
Features and Benefits

The in-line jackfield provides patching facilities for sixteen 4-wire lines or thirty-two 2-wire lines. Front panel LINE, MODEM and MONITOR jacks are aligned to correspond with ADC's PatchMate™ digital patching or ADC's PatchMate with switch product lines. When used with those products, the placement of the in-line jackfield directly above or beneath its respective digital port aids in the identification of affected lines to speed trouble shooting. LINE and MODEM jack access allows patching of any line to any modem or access for test equipment.
The MONITOR jack access provides a bridging connection across the line. All jacks are prewired to 50-pin connectors located at the rear of the panel.

- FCC registered (Part 68)



PMAJ-1



Schematic typical of 16 4-wire transmit and receive circuits or 2 circuits shown for 2-wire

Wired Assemblies
Voice Frequency Jackfields

Ordering Information

Description	Catalog Number
Modem jackfield	DMMOJ-1
In-Line jackfield	PMAJ-1

For wired assemblies accessories such as patch cords, mounting hardware and plugs, see pages 38-52.

Wired Assemblies
Telephone Line Isolation Panel

The Telephone Line Isolation Panel provides a safe and easy means of accessing phone lines for testing at power substations.

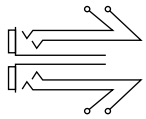
The PI-250 panel and associated plugs are specially designed to provide protection up to 20,000 volts between the line side and the equipment side as well as between the adjacent circuits within the panel. The panels are available in several versions. The three types of available plugs, Looping Plugs, Shorting Plugs and Reverse Polarity Plugs, have color-coded handles for easy identification.

The panel is usually located at or near the demarcation between the telephone company's in-plant or building wiring, usually at the point of entrance into the building. The panel allows line access for repair personnel while protecting them from high voltages on the lines during electrical storms and power failures.

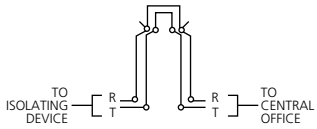
One side of the panel is the telephone company side where telephone cables enter the power substations. The other side is the power company equipment side. To open the phone circuits for testing in either direction, you simply remove the plugs from the panel, opening the phone company lines from the power company equipment. Lines can be accessed in both directions through telephone type jacks, recessed within the molded panel in such a way as to make accidental contact with the jacks extremely difficult.

The isolation panel is completely enclosed in a transparent safety shield, making it virtually impossible for test personnel to come in contact with the active circuits. The specially designed ADC plugs are rated at 20,000 volts, well over the necessary protection level.

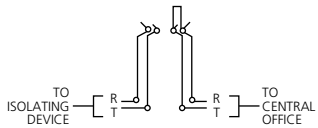
ADC's Telephone Line Isolation Panel also provides a less time-consuming, less costly and more efficient means of access. No more unwrapping circuits or breaking solder connections. All you do is remove a plug and your circuits are automatically disconnected for testing.



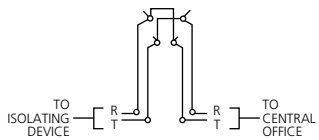
Telephone Isolation
Panel Jack Schematic



PJ40
Looping Plug



PJ41
Shorting Plug



PJ42
Reverse Polarity Plug

Wired Assemblies
Telephone Line Isolation Panel

Ordering Information

Description	Dimensions (H x W x D)	Catalog Number
Panels with Wire-Wrap Terminations		
5 lines	6.0" x 6.45" x 4.5" (15.24 x 16.38 x 11.43 cm)	PI-250-1
Panels with Screw Terminals		
4 lines	6.0" x 5.21" x 4.5" (15.24 x 13.23 x 11.43 cm)	PI-250-8
5 lines	6.0" x 6.45" x 4.5" (15.24 x 16.38 x 11.43 cm)	PI-250-7
10 lines	6.0" x 12.7" x 4.5" (15.24 x 32.26 x 11.43 cm)	PI-250-9
Plugs		
Looping plug (white)		PJ40
Shorting plug (black)		PJ41
Reverse polarity plug (red)		PJ42

Height shown is the height of the panels with plug. Without the plugs, the height of panels with wire-wrap terminations is 5.19" (13.18 cm); the height of the panels with screw terminals is 5.4" (13.72 cm).

Wired Assemblies
Timing Jackfields

Timing jackfields provide 20 circuits for termination of a timing source generator. These panels provide patching and monitoring capabilities for T1 clock output. The panels' outputs are individually cabled to any piece of equipment requiring a T1 clock.

Ordering Information

Description	Dimensions (H x W x D)	# of Circuits	Catalog Number
Timing Jackfields			
Bantam timing jackfield; 2-wire digital jackfield; includes monitor jacks	3.5" x 19.0" x 8.0" (8.89 x 48.26 x 20.32 cm)	20	AUX-3A0001
Longframe timing jackfield; 2-wire digital jackfield; includes monitor jacks	4.0" x 19.0" x 8.0" (10.16 x 48.26 x 20.32 cm)	20	AUX-3A0002

For wired assemblies accessories such as patch cords, mounting hardware and plugs, see pages 38-52.

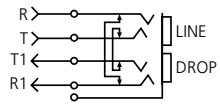
Wired Assemblies
Longframe Connectorized Jackfields

2-Wire Jackfield

Features and Benefits

The JLC2/24 Longframe (310) jackfield provides twenty-four 2-wire circuits. Circuit connections are made through standard 50-pin connectors mounted on the rear of the chassis. Line connectors are receptacles, drops are plugs.

- Rear panel hinged for internal access
- Horizontal designation strips furnished with a white card and clear window for circuit identification
- Vertical designation cards printed with row functions



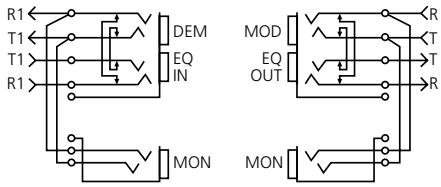
JLC2/24

4-Wire Jackfield

Features and Benefits

The JLC4/12M jackfield provides twelve 4-wire circuits, including monitor jacks. Circuit connections are made through standard 50-pin connectors on the rear of the chassis. Equipment IN and MOD are receptacles; Equipment OUT and DEMOD are plugs.

- Rear panel hinged for internal access
- Horizontal designation strips furnished with a white card and clear window for circuit identification
- Vertical designation cards printed with row functions



JLC4/12M

Ordering Information

Description	Dimensions (H x W x D)	# of Circuits	Catalog Number
2-Wire			
Line, drop circuits can be isolated for independent monitoring; jacks accept Longframe (310) three-conductor plugs	1.75" x 19.0" x 8.0" (4.45 x 48.26 x 20.32 cm)	24	JLC2/24
Drop circuits can be isolated for independent monitoring; monitor jacks accept **310** type plugs	2.63" x 19.0" x 8.0" (6.68 x 48.26 x 20.32 cm)	24	JLC2/24-310M
4-Wire			
Monitor jacks accept **309** type plugs	2.63" x 19.0" x 8.0" (6.68 x 48.26 x 20.32 cm)	12	JLC4/12M

For wired assemblies accessories such as patch cords, mounting hardware and plugs, see pages 38-52.

Wired Assemblies
Longframe Prewired Jackfields

2-Wire Jackfield

Features and Benefits

The J2 Longframe (310) jackfields provide twenty-four 2-wire circuits, including monitor jacks. Circuit connections are made by wiring the equipment to easy-access wire-wrap terminals blocks on the back of the jackfield.

- Rear panel hinged for internal access
- Horizontal designation strips furnished with a white card and clear window for circuit identification
- Vertical designation cards printed with row functions

Ordering Information

Description	Dimensions (H x W x D)	# of Circuits	Catalog Number
2-Wire With Line, Drop and Monitor; monitor jacks accept **310** type plugs	2.63" x 19.0" x 8.0" (6.68 x 48.26 x 20.32 cm)	24	JL2/24-310M

For wired assemblies accessories such as patch cords, mounting hardware and plugs, see pages 38-52.

Replacement Designation Strip Cards and Windows

Ordering Information

TYPE	FIG	Hinge Side Vertical Card DVHC-	Hinge Side Vertical Window DVHW-	Lock Side Vertical Card DVLC-	Lock Side Vertical Window DVLW-	Horizontal (Above Jacks) Card DHC-	Horizontal (Above Jacks) Window HDW-
01	1	-1200	-0010	-1740	-0010	-0020	-0010 (.44" wide)
02	2	-1440	-0010	-1400	-0010	-0020	-0010 (.44" wide)
03	3	-2020	-0010	-2390	-0010	-0040	-0040 (.225" wide)
04	4	-2030	-0030	-2400	-0020	-0020	-0010
05	5	-2140	-0010	-2680	-0010	-0020	-0010
06	6	-1130	-0010	-2380	-0010	-0040	-0040
08 thru 09	8 thru 9	-1370	-0040	-2190	-0030	-0040 -0020	-0040 -0010

For Type and Figure references, please see pages 59-66.

Terminal Blocks
Connectorized Terminal Blocks

Features and Benefits

- Prewired to three, four, five or six 50-pin connectors
- Horizontal or vertical wiring patterns
- Mount on standard distribution frames with 5" (12.7 cm) centers (AE frames) and 1.375" x 7.5" (3.49 x 19.05 cm) centers (WECO frames)
- Adjustable mounting brackets available for distribution frames with 8" (20.32 cm), 8.5" (21.59 cm), 9" (22.86 cm) and 9.5" (24.13 cm) centers
- 8" (20.32 cm) fanning strip

Ordering Information

Description	Catalog Number
6 x 25 Pin Pattern horizontal wiring pattern; (3) 50-pin connectors	
Plug connector	C-0103M-900
Receptacle connector	C-0103F-900
6 x 24 Pin Pattern vertical wiring pattern; (3) 50-pin connectors	
Plug connector	C-0103M-901
Receptacle connector	C-0103F-901
8 x 25 Pin Pattern horizontal wiring pattern; (4) 50-pin connectors	
Plug connector	C-0104M-900
Receptacle connector	C-0104F-900
8 x 24 Pin Pattern vertical wiring pattern; (4) 50-n connectors	
Plug connector	C-0104M-901
Receptacle connector	C-0104F-901
10 x 25 Pin Pattern horizontal wiring pattern; (5) 50-pin connectors	
Plug connector	C-0105M-900
Receptacle connector	C-0105F-900
10 x 24 Pin Pattern vertical wiring pattern; (5) 50-pin connectors	
Plug connector	C-0105M-901
Receptacle connector	C-0105F-901
12 x 25 Pin Pattern horizontal wiring pattern; (6) 50-pin connectors	
Plug connector	C-0106M-900
Receptacle connector	C-0106F-900
12 x 24 Pin Pattern vertical wiring pattern; (6) 50-pin connectors	
Plug connector	C-0106M-901
Receptacle connector	C-0106F-901

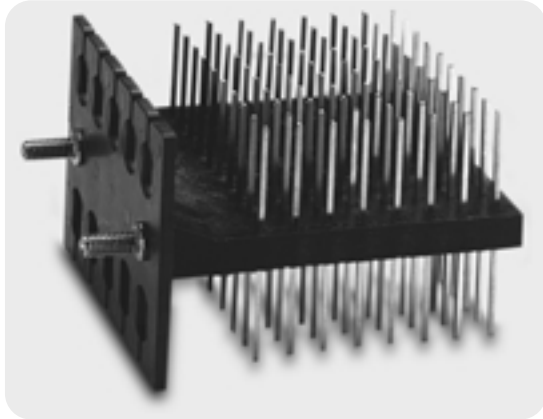
Dimensional drawings and specifications are found on pages 67-70.

Terminal Blocks

Wrapid Terminal Blocks

Features and Benefits

- Terminals: nickel silver
- Block and fanning strips: flame retardant thermoplastic (oxygen index ≥28, UL94-V0)
- Mounting studs: 8-32 steel plated (per MIL-F-14072 #M262, Type II)



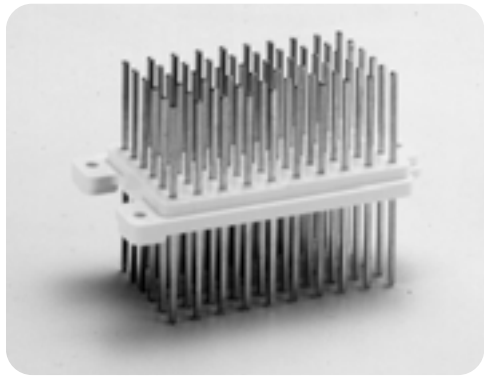
Ordering Information

Description	Height	Catalog Number
Wrapid Terminal Blocks wire-wrap/wire-wrap		
Pin Pattern		
4 x 10	1.75" (4.45 cm)	PJ604
6 x 10	2.25" (5.72 cm)	PJ606
8 x 10	2.75" (6.96 cm)	PJ608
10 x 10	3.25" (8.26 cm)	PJ610
12 x 10	3.75" (9.53 cm)	PJ612

Molded Terminal Blocks

Features and Benefits

- Terminals: nickel silver
- Block: unfilled blend of polycarbonate and ABS



Ordering Information

Description	Height	Catalog Number
Molded Terminal Blocks		
Pin Pattern		
6 x 10	1.625" (4.13 cm)	PJ656

Terminal Blocks
Terminal Block Accessories

Ordering Information

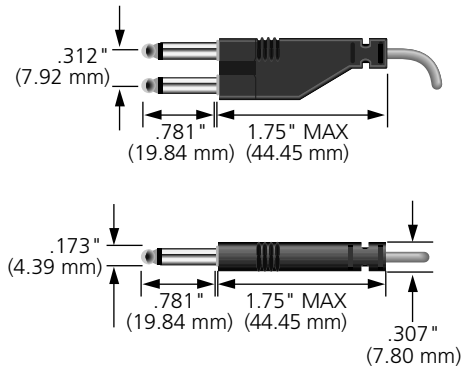
Description	Catalog Number
Adjustable Bracket mounts ADC connectorized terminal blocks on non-standard terminal block mounting dimensions; allow most blocks to use variable mounting centers of 8" (20.32 cm), 8.5" (21.59 cm), 9" (22.86 cm), and 9.5" (24.13 cm)	BK-310
Frame and Rack Mounting Accessories	
Swivel mounting bracket	BK-250-S
Single vertical rack mounting bar	
19" (48.26 cm)	BK-119
23" (58.42 cm)	BK-123
Double horizontal rack mounting bar	
19" (48.26 cm)	BK-219
23" (58.42 cm)	BK-223
Double vertical rack mounting bar	
19" (48.26 cm)	BK-319-S
23" (58.42 cm)	BK-323-S

Adjustable Mounting Brackets

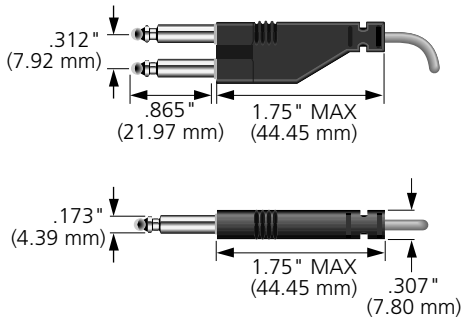
Frame and Rack Mounting Accessories

Two and Three Conductor Bantam Patch Cords

Bantam patch cords are plastic jacketed, shielded cords with molded-on plugs. The plugs are made with molded insulation between conductors. Bantam patch cords are available with single and dual two or three conductor plugs. A cord strain relief feature is included in the plug construction. Dual twisted pair patch cords are recommended for protection against crosstalk, especially during switch cutovers and when patch cords over 12' are used.



Two Conductor Patch Cords



Three Conductor Patch Cords

*For nickel-plated patch cords, add the suffix N. For plenum-rated, fire retardant patch cords, add the suffix PL.

*Nickel plated dual patch cords will exhibit loss of plating at 500 insertion/withdrawals.

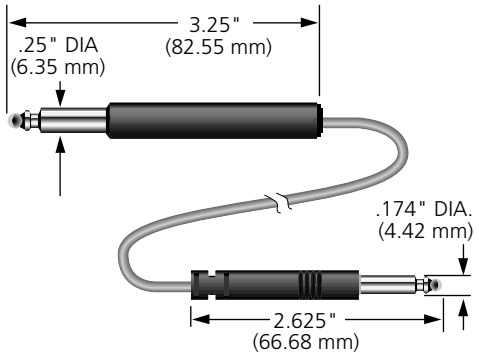
For additional patch cord lengths, contact ADC.

Ordering Information

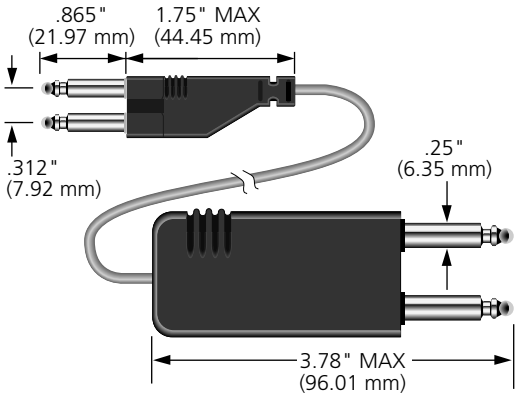
Length	Catalog Number
Two Conductor	
Single	
1' (.3 m)	PJ702
1.5' (.46 m)	PJ703
2' (.61 m)	PJ704
3' (.91 m)	PJ706
4' (1.22 m)	PJ708
5' (1.52 m)	PJ710
6' (1.83 m)	PJ1206
Dual	
1' (.3 m)	PJ752
2' (.61 m)	PJ754
2.5' (.76 m)	PJ755
3' (.92 m)	PJ756
4' (1.22 m)	PJ758
5' (1.53 m)	PJ760
6' (1.83 m)	PJ1306
Three Conductor	
Single	
1' (.3 m)	PJ712
1.5' (.46 m)	PJ713
2' (.61 m)	PJ714
2.5' (.76 m)	PJ715
3' (.92 m)	PJ716
4' (1.22 m)	PJ718
5' (1.53 m)	PJ720
6' (1.83 m)	PJ722
8' (2.44 m)	PJ1208
10' (3.05 m)	PJ1210
12' (3.66 m)	PJ1212
15' (4.58 m)	PJ1415
20' (6.1 m)	PJ1420
25' (7.63 m)	PJ1425
30' (9.15 m)	PJ1430
50' (15.25 m)	PJ1450
Dual*	
1' (.3 m)	PJ762
2' (.61 m)	PJ764
2.5' (.76 m)	PJ765
3' (.92 m)	PJ766
4' (1.22 m)	PJ768
5' (1.53 m)	PJ770
6' (1.83 m)	PJ772
8' (2.44 m)	PJ1308
10' (3.05 m)	PJ1310
12' (3.66 m)	PJ1312
14' (4.27 m)	PJ1514
20' (6.1 m)	PJ1520
25' (7.63 m)	PJ1525
30' (9.15 m)	PJ1530
35' (10.68 m)	PJ1535
45' (13.73 m)	PJ1545
Dual (twisted pair)	
3' (.91 m)	PJ1303TP
15' (4.57 m)	PJ1315TP
20' (6.1 m)	PJ1320TP
25' (7.63 m)	PJ1325TP

Conversion Patch Cords

Bantam conversion patch cords are manufactured to interface standard (Longframe [310]) jacks and DSX modules to Bantam jacks and DSX modules when patching and testing circuits.



Single Conversion Patch Cord



Dual Conversion Patch Cord

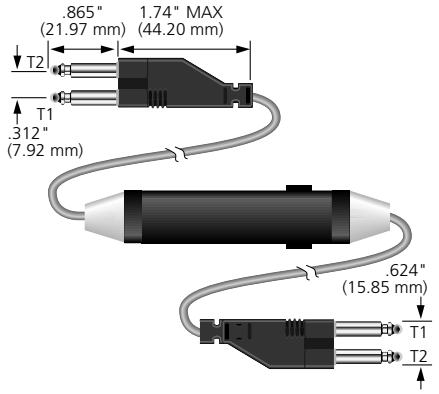
Ordering Information

Length	Catalog Number
Two Conductor Single	
2' (.61 m)	PJ942
4' (1.22 m)	PJ944
6' (1.83 m)	PJ946
8' (2.44 m)	PJ948
10' (3.05 m)	PJ950
12' (3.66 m)	PJ952
15' (4.58 m)	PAT-100027
16' (4.88 m)	PJ1916
20' (6.10 m)	PJ1920
25' (7.63 m)	PJ1925
30' (9.15 m)	PJ1930
50' (15.25 m)	PJ1950
Dual	
4' (1.22 m)	PJ692
6' (1.83 m)	PJ693
8' (2.44 m)	PJ694
10' (3.05 m)	PJ695
12' (3.66 m)	PJ696
16' (4.88 m)	PJ2016
18' (5.49 m)	PJ2018
20' (6.10 m)	PJ2020
30' (9.15 m)	PJ2030
40' (12.20 m)	PJ2060

Accessories
Bantam

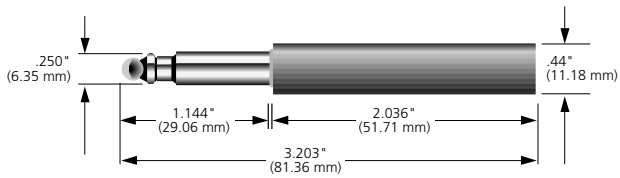
Attenuator Patch Cords

Bantam attenuator patch cords provide a means of introducing 23 dB attenuation into a circuit. Cords are available in either Longframe (310) dual plugs (.25" [6.33 mm] diameter) or Bantam dual plugs (.17" [4.318 mm] diameter). The attenuator networks are encapsulated for environmental protection. They are generally used for analog-type carrier facilities.

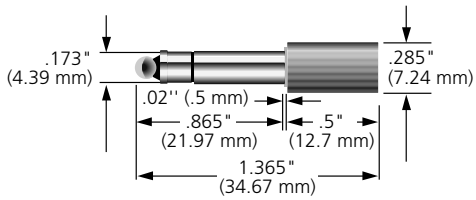


Terminating Plugs

The Bantam terminating plug is used to terminate a circuit with a specific load. It has a built-in .5 watt ± 1% resistor. The plug shell is marked with the resistance value. Other resistance values available on special order.



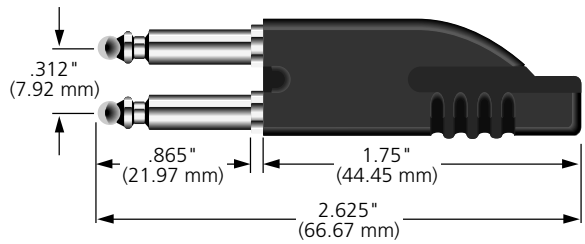
Terminating Plugs



Short Profile Terminating Plugs

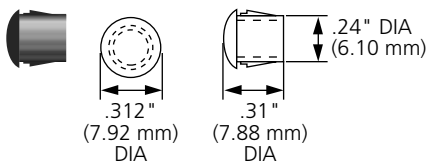
Looping Plugs

Bantam looping plugs are used to "loop" or patch adjacent jack circuits. The plug conductors are strapped internally. The three conductor plugs are wired tip to tip, ring to ring and sleeve to sleeve.



Hole Plugs

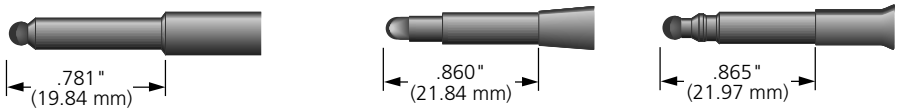
The hole plug is used to fill unused jack positions in inserts or to complete a panel when jacks are to be added at a later date.



Accessories
Bantam

Dummy Plugs

When dummy plugs are inserted into jack circuits, they actuate the circuit contacts but do not carry a signal.



Two Conductor

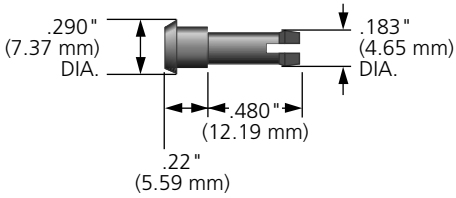
Three Conductor

Conversion Plugs

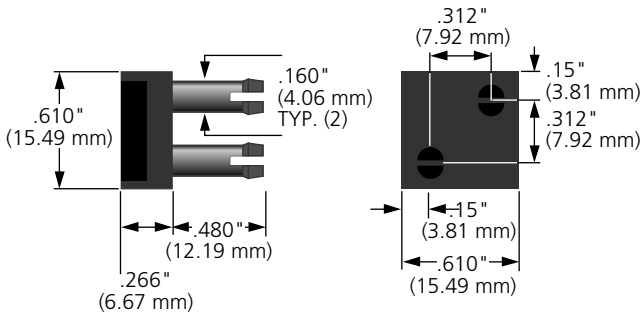
Conversion plugs provide a means to interface standard (Longframe [310]) jacks to Bantam jacks.The rear of the Longframe plug is modified to acccept either two conductor or three conductor Bantam plugs.

Circuit Guard Plugs

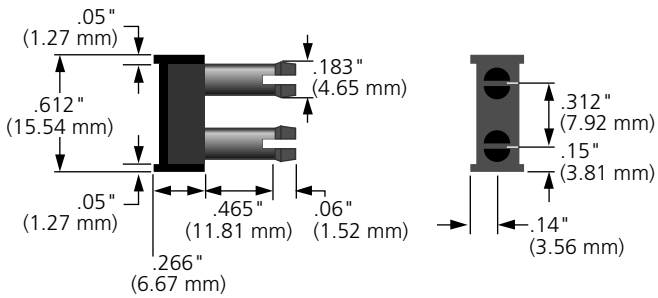
Circuit guard plugs snap-fit into Bantam jacks, but do not actuate the circuit. These plugs are used to identify and block entry to critical circuits appearing on Bantam (.175" [4.45 mm] diameter) jacks. The PJ925 single circuit guard can be used singly or in conjunction with the quad circuit guard to identify critical circuits for test technicians. The PJ925 circuit guard plugs can be marked with up to 4 letters for better circuit identification in critical applications, contact ADC for more information. The PJ926 quad circuit guard covers the send and receive sides of a 4-wire circuit, yet leaves the monitor jacks accessible for testing. The quad circuit guard is furnished with a clear window and white card for designation and categorizing. The dual circuit guard covers IN and OUT jacks within the dual Bantam jack. The dual circuit guard features individual circuit designation card and plastic window. **The dual circuit guard is offered in kits of 25 pieces.**



Single



Quad



Dual

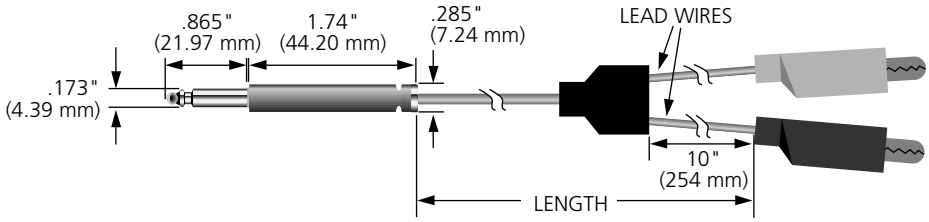
Accessories
Bantam

Ordering Information

Description	Catalog Number
Attenuation Patch Cords	
6' Bantam (1.83 m)	PJ977
12' Bantam (3.66 m)	PJ978
15' Bantam (4.58 m)	PJ979
15' Longframe (4.58 m)	PJ997
Terminating Plugs	
100 Ω (actual resistor value: 100 Ω, 1%)	PJ800
135 Ω (actual resistor value: 135 Ω, 1%)	PJ744
600 Ω (actual resistor value: 604 Ω, 1%)	PJ743
900 Ω (actual resistor value: 909 Ω, 1%)	PJ749
Short Profile Terminating Plugs	
100 Ω (actual resistor value: 100 Ω, 1%) Orange	PJ801
120 Ω (actual resistor value: 120 Ω, 1%) Orange	PJ802
120 Ω (actual resistor value: 120 Ω, 1%) Green	PJ804
120 Ω (actual resistor value: 120 Ω, 1%) Red	PJ806
Looping Plugs	
Two conductor	PJ745
Three conductor	PJ746
Hole Plugs	
Black	PJ729B
Red	PJ729R
Dummy Plugs	
For use with Bantam jacks	
Two conductor	PJ747
Three conductor	PJ748
Three conductor plugs for use with Bantam PCB jacks	
Black	PJ750B
Red	PJ750R
White	PJ750W
Conversion Plugs	
Two conductor	AP047
Three conductor	AP051
Circuit Guard Plugs	
Single Plugs (lettering/marking available upon request)	
Red	PJ925R
White	PJ925W
Black	PJ925B
Quad Plugs	
Red	PJ926R
White	PJ926W
Black	PJ926B
Dual Plugs (kit of 25)	
Black	PLG-100050
Red	PLG-100051
White	PLG-100052

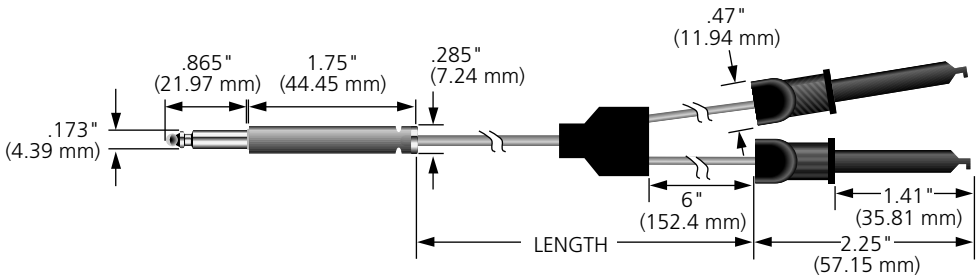
Alligator Patch Cords

Alligator patch cords utilize alligator clips on one end of a patch cords and a variety of plugs on the other end.



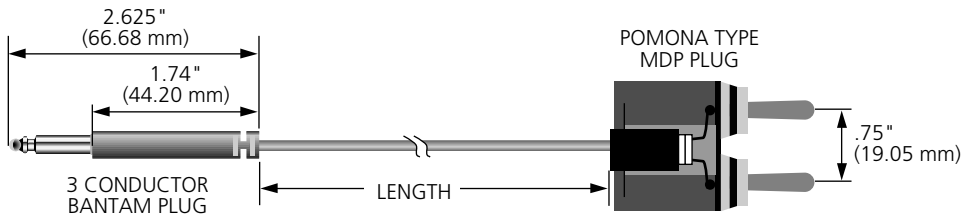
EZ Hook Patch Cords

These patch cords incorporate EZ Hook prongs on one end of a patch cord and either Bantam or Longframe plugs on the other end.



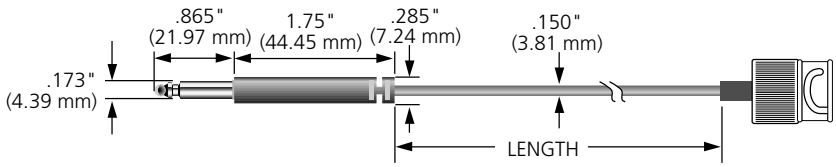
Pomona MDP Type Patch Cords

These patch cords incorporate a Pomona MDP type plug on one end of a patch cord and either Bantam or Longframe plugs on the other end.



BNC to Telephone Plug Patch Cords

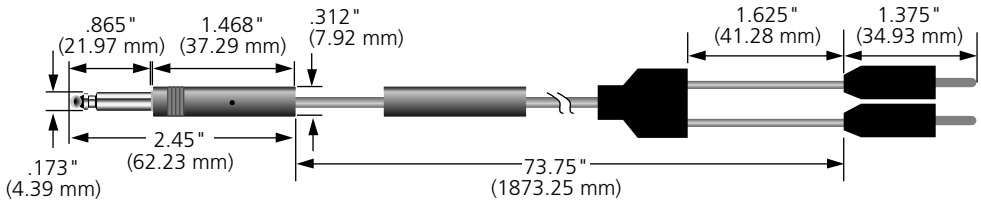
These patch cords incorporate a BNC connector on one end of a patch cord and a Bantam telephone plug on the other end.



Accessories
Specialty Patch Cords

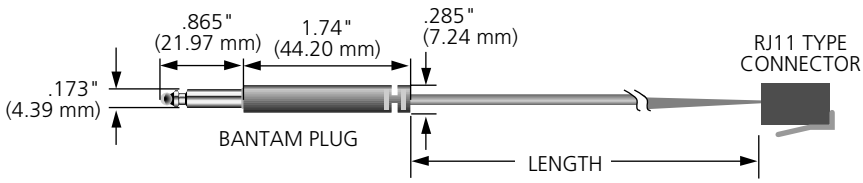
Banana Type Patch Cords

These patch cords incorporate a dual Banana type plug on one end of a patch cord and a single Bantam plug on the other end.



RJ Plug to Bantam Plug Patch Cord

These patch cords incorporate a two conductor RJ plug on one end of a patch cord and a single Bantam plug on the other end.

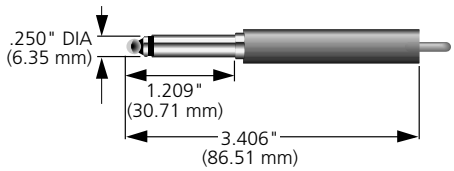


Ordering Information

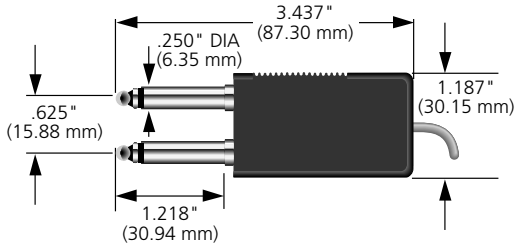
Description	Length	Catalog Number
Alligator Patch Cords		
2 alligator clips to single to 3 conductor Bantam plug	6'	CCCDSMB02
2 alligator clips to single to 3 conductor Bantam plug	8'	CCCDSMB03
2 alligator clips to single to 3 conductor Bantam plug	10'	CCCDSMB04
3 alligator clips to single to 3 conductor Bantam plug	6'	PAT-100032
3 alligator clips to dual to 3 conductor Bantam plug	6'	PAT-100031
2 alligator clips to single to 3 conductor Longframe plug	6'	PAT-106630
EZ Hook Patch Cords		
2 EZ Hook prongs to single 3 conductor Bantam plug	1'	PAT-100078
2 EZ Hook prongs to single 3 conductor Bantam plug	5'	PAT-100079
2 EZ Hook prongs to single 3 conductor Longframe plug	7'	LPC001
Pomona MDP Type Patch Cord		
1 Ponoma MDP type plug to single 3 conductor Bantam plug	6'	PAT-100028
1 Ponoma MDP type plug to single 3 conductor Bantam plug	8'	PAT-100029
1 Ponoma MDP type plug to single 3 conductor Bantam plug	10'	PAT-100030
BNC to Telephone Plug Patch Cord		
BNC connector to single Bantam 3 conductor plug	3'	PAT-005
BNC connector to single Bantam 3 conductor plug	5'	PAT-006
BNC connector to single Bantam 3 conductor plug	8'	PAT-007
Banana Type Cords		
Dual Banana type plug to single 3 conductor Bantam plug	6'	PAT-100654
RJ Plug to Bantam Plug Patch Cord		
2 conductor RJ plug to single Bantam 3 conductor plug	6'	BJR2M6
Dual Bantam 3 conductor plug to RJ48 plug	10'	PAT-100901
Two single Bantam 3 conductor plugs to one RJ45 plug	6'	PAT-100904

Two Conductor Longframe Patch Cords

Longframe (310) patch cord conductor jackets are abrasion resistant braided nylon. Tinsel conductors give maximum flexibility as well as dependability.



Single

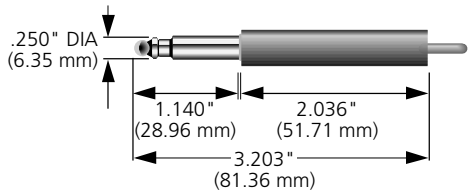


Dual

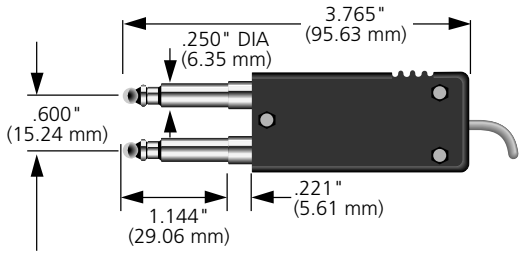
Ordering Information

Description	Length	Catalog Number
Two Conductor, Single Red cable with PJ047R plugs	2' (.61 m) 4' (1.22 m) 6' (1.83 m)	PJ472 PJ474 PJ476
Two Conductor, Dual Black cable with PJ1 plugs	1' (.305 m) 2' (.61 m) 3' (.92 m) 4' (1.22 m) 6' (1.83 m)	PJ11 PJ12 PJ13 PJ14 PJ16

Three Conductor Patch Cords



Single



Dual

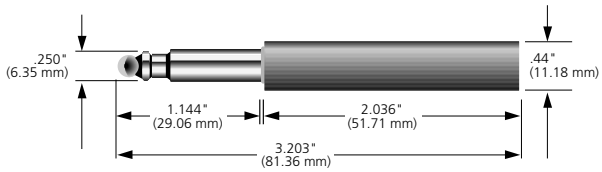
Ordering Information

Three Conductor, Single	1' (.305 m)	PJ71
Black cable with PJ2 plugs	2' (.61 m)	PJ72
Prevents momentary	3' (.92 m)	PJ73
tip/ring shorting	4' (1.22 m)	PJ74
	5' (1.52 m)	PJ75
	6' (1.83 m)	PJ76
	8' (2.44 m)	PJ77
	10' (3.05 m)	PJ78
Black cable with PJ051R	1' (.305 m)	PJ81
plugs Meets MIL-P-642B	2' (.61 m)	PJ82
	3' (.92 m)	PJ83
	4' (1.22 m)	PJ84
	6' (1.83 m)	PJ86
	8' (2.44 m)	PJ88
	10' (3.05 m)	PJ80
	12' (3.66 m)	PJ1612
Black cable with PJ310	1' (.305 m)	PJ311
plugs (WECO type)	2' (.61 m)	PJ312
	3' (.92 m)	PJ313
	4' (1.22 m)	PJ314
	6' (1.83 m)	PJ316
	10' (3.05 m)	PJ1810
	12' (3.66 m)	PJ1812
	15' (4.58 m)	PJ1815
Three Conductor, Dual	1' (.305 m)	PJ171
Black cable with PJ7 plugs	2' (.61 m)	PJ172
No internal interconnec-	3' (.92 m)	PJ173
tions	4' (1.22 m)	PJ174
	6' (1.83 m)	PJ176
	8' (2.44 m)	PJ178
	10' (3.05 m)	PJ170
	2' (.61 m)	PJ92
Black cable with PJ8 plugs	4' (1.22 m)	PJ94
Prevents momentary	6' (1.83 m)	PJ96
tip/ring shorting	8' (2.44 m)	PJ97
	10' (3.05 m)	PJ98
	15' (4.58 m)	PJ1715
	20' (6.10 m)	PJ1720
	25' (7.63 m)	PJ1725
	2' (.61 m)	PJ412
Black cable with dual	4' (1.22 m)	PJ414
PJ310 plugs WECO type	6' (1.83 m)	PJ416
	8' (2.44 m)	PJ417
	10' (3.05 m)	PJ419

Accessories
Longframe

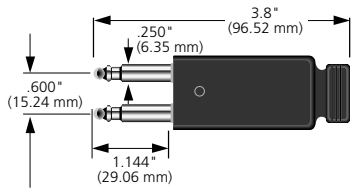
Terminating Plugs

Longframe (310) terminating plugs are three conductor single plugs for use with .25" (6.35 mm) jacks. The plugs have an internal resistor wired between tip and ring conductors.



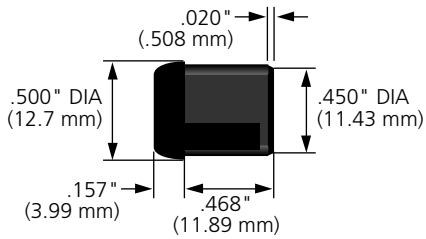
Looping Plugs

Internal connections tie together corresponding tip, ring and sleeve conductors to allow looping of jack circuits. Plastic shell is black. Mates with .25" (6.35 mm) diameter three conductor jacks.



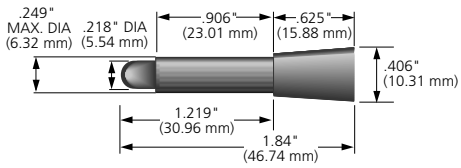
Hole Plugs

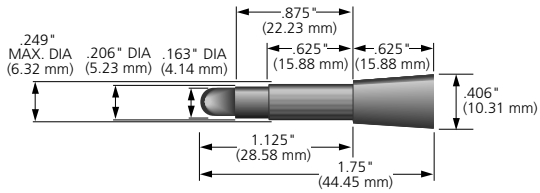
Hole plugs are used to fill unused jack positions in inserts or to complete a panel when jacks are to be added at a later date.



Dummy Plugs

Longframe (310) dummy plugs activate jack circuits without grounding or coupling incoming circuits. These standard Longframe (310) plugs are made of a rugged plastic material giving long life and dependable jack actuation. Color-coding (black or red) allows visual identification of circuit condition when dummy plugs are in use.





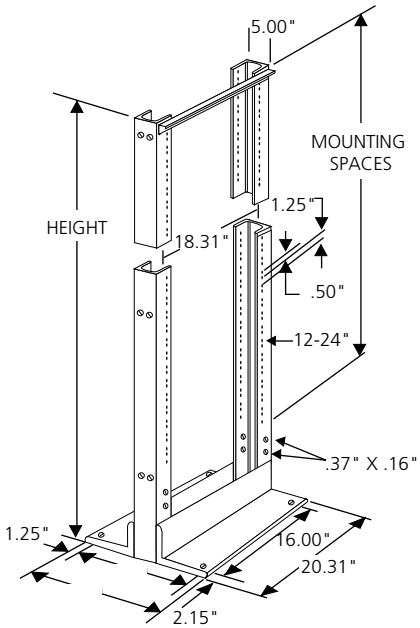
Accessories
Longframe

Ordering Information

Description	Catalog Number
Terminating Plugs	
135 Ω (actual resistor value: 135 Ω, 1%)	PJ541
600 Ω (actual resistor value: 604 Ω, 1%)	PJ542
WECO equivalent: WECO 386-A	
900 Ω (actual resistor value: 910 Ω, 1%)	PJ546
WECO equivalent: WECO 262-C	
Looping Plugs	
Three conductor	PJ4
Hole Plugs	
Black	PJ29
Dummy Plugs	
Two conductor	
Black	PJ265
Red	PJ266
Three conductor	
Red	PJ365
Black	PJ366

Rack Accessories
Equipment Mounting Racks

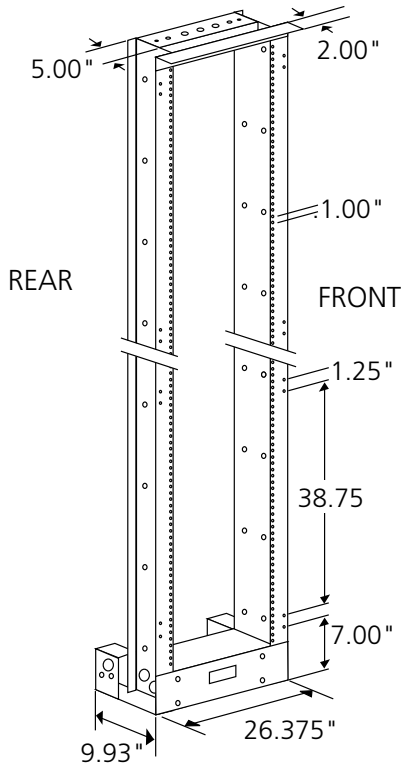
EIA (1.75"/4.45 cm) Spacing



Ordering Information

Description	Height	Rack Spaces	Catalog Number
Floor Supported Channel Rack			
19" x 1.75" (48.26 x 4.45 cm)	7' (2.13 m)	42	CR-7FS19
	9' (2.74 m)	56	CR-9FS19
	11.5' (3.51 m)	73	CR-115FS19
23" x 1.75" (58.42 x 4.45 cm)	7' (2.13 m)	42	CR-7FS23
	9' (2.74 m)	56	CR-9FS23
	11.5' (3.51 m)	73	CR-115FS23

WECO (2.0"/5.08 cm) Spacing



Ordering Information

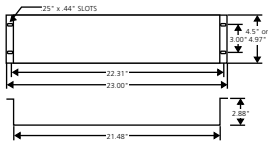
Description	Height	Rack Spaces	Catalog Number
Unequal Flange/Duct with Guard Box 23" x 2.00" (58.42 x 5.08 cm)	7'(2.13 m)	37	UEF-7SR1
	9'(2.74 m)	49	UEF-9SR1
	11.5' (3.51m)	64	UEF-115SR1

Rack Accessories

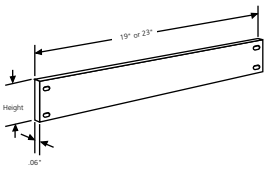
Fanning Panel

Express Troughs/
Crossover Panel

Vertical Filler Plates
with Rings



Pass Through Cover Panels



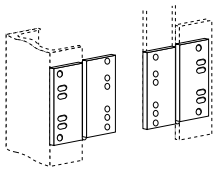
Filler Panel

Ordering Information

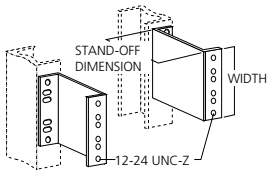
Description	Catalog Number
Fanning Panels	
Provide wire and cable management	
No cable rings	
1.75" x 19"(4.45 x 48.26 cm)	QF-196-001
Vertical cable rings	
1.75" x 19"(4.45 x 48.26 cm)	QCP-A4AXB3
3.5" x 19"(8.89 x 48.26 cm)	QF-39H
Horizontal cable rings	
2" x 23"(5.08 x 58.42 cm)	QF-23H
4" x 23"(10.16 x 58.42 cm)	QF-43L
Express Troughs/Crossover Panels	
Provide throughways to cable at the top and bottom ofequipment racks and in center of a bay; route jumpers from one side to the other; color-white	
3.5" x 19" (8.89 x 48.26 cm)	QC-39H
4" x 23" (10.16 x 58.42 cm) (cable rings on 8.05" [20.45 cm] spacing; used to mount 19" product into 23" rack)	QC-43L
4" x 23" (10.16 x 58.42 cm) (cable rings on 10.25" [26.04])	QC-43H
Vertical Filler Plates with Rings	
Create space between racks to allow for vertical cable management	
For EIA Racks	
4" (10.16 cm) wide, 4" (10.16 cm) rings	QFL-E
For IBM-type Racks (include front and back dividers)	
4" (10.16 cm) wide	QCP-AXA4A1
6" (15.24 cm) wide	QCP-AXA6A1
8" (20.32 cm) wide	QCP-AXA8A1
Pass Through Cover Panels	
Provide a pass through for cable from back to front of bay	
4" x 23" (10.16 x 58.42 cm)	QCP-AXA4A2
6" x 23" (15.24 x 58.42 cm)	QCP-AXA6A6
Vertical Ring Brackets	
Used to create vertical wireways; mounting screws are **not** included	
2" x 2" (5.08 x 5.08 cm); white	QR-22
4" x 5" (10.16 x 12.7 cm); white	QR-45
4" x 5" (10.16 x 12.7 cm); black	QR-45-B
Blank Filler Panels	
Fill unused rack spaces; color - white	
For EIA panel: 19" (48.26 cm)	
Height:	
1.75" (4.45 cm)	BP-1719
3.5" (8.89 cm)	BP-3519
5.25" (13.34 cm)	BP-5219
7" (17.78 cm)	BP-7019
For WECO panel: 23" (58.42 cm)	
2" (5.08 cm)	BP-2023
3" (7.62 cm)	BP-3023
4" (10.16 cm)	BP-4023
5" (12.7 cm)	BP-5023
8" (20.32 cm)	BP-8023
10" (25.4 cm)	BP-1023

Rack Accessories

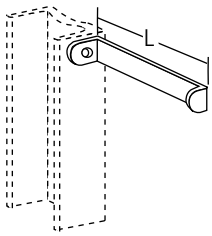
Vertical Ring Bracket



Rack Adapter



Stand-Off Bracket



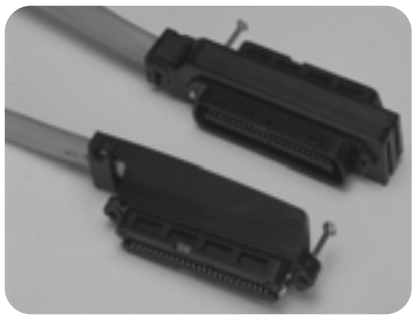
Cable Bracket

Ordering Information

Description	Catalog Number
Extender Bracket / Rack Adapters	
Enable 19" equipment to fit in a 23" rack (48.26 cm to 58.42 cm); color: gray; mounting screws **are** included	
Height:	
1.75" (4.45 cm); 1 mounting space	EB-17
3.5" (8.89 cm); 2 mounting spaces	EB-35
5.25" (13.34 cm); 3 mounting spaces	EB-52
7" (17.78 cm); 4 mounting spaces	EB-70
8.75" (22.24 cm); 5 mounting spaces	EB-87
1.25" to 1" (3.18 to 2.54 cm); 1 mounting space adapts all 1.75" (4.45 cm) equipment mounting to 23" (58.42 cm) WECO racks	EB-E/W1RS
Adapts 17.7" (45 cm) to 23" (58.42 cm)	
Height:	
2" (5.08 cm); 1 mounting space	EB-1720
3" (8.89 cm); 2 mounting spaces	EB-1730
4" (10.16 cm); 2 mounting spaces	EB-1740
Adapts 13.5" (34.29 cm) to 23" (58.42 cm)	
Height:	
6" (15.24 cm); 3 mounting spaces	EB-1360
Stand-off Bracket Kits	
Support equipment in racks; color: zinc chromate	
Stand-Off Dimension / Bracket Width	
3.5" (8.89 cm) / 1.75" (4.45 cm)	3501
3.5" (8.89 cm) / 3.5" (8.89 cm)	3502
3.5" (8.89 cm) / 5.25" (13.34 cm)	3503
3.5" (8.89 cm) / 7" (17.78 cm)	3504
5" (12.7 cm) / 1.75" (4.45 cm)	5001
5" (12.7 cm) / 3.5" (8.89 cm)	5002
5" (12.7 cm) / 5.25" (13.34 cm)	5003
5" (12.7 cm) / 7" (17.78 cm)	5004
Cable Brackets	
Support bracket mounts vertical rack members for cable management	
2" (5.08 cm)	BC-2
3" (8.89 cm)	BC-3
4" (10.16 cm)	BC-4
5" (12.7 cm)	BC-5
6" (15.24 cm)	BC-6
7" (17.78 cm)	BC-7
8" (20.32 cm)	BC-8
Cable Support Bar	AUX-0X0077

Rack Accessories
Connectorized Cables

ADC connectorized cables are used in conjuction with connectorized jackfields, connectorized terminal blocks or any device utilizing the standard 50-pin telephone connector. All factory assembled connectorized cables are 100% tested for continuity. Five optional configurations are available; receptacle to stub, plug to receptacle, plug to stub, plug to plug, receptacle to receptacle.



Ordering Information

Length	Catalog Number
Receptacle to Stub	
5' (1.53 m)	T-R25S-5
10' (3.05 m)	T-R25S-10
15'' (4.58 m)	T-R25S-15
20' (6.1 m)	T-R25S-20
25' (7.63 m)	T-R25S-25
Plug to Receptacle	
5' (1.53 m)	T-P25R-5
10' (3.05 m)	T-P25R-10
15'' (4.58 m)	T-P25R-15
20' (6.1 m)	T-P25R-20
25' (7.63 m)	T-P25R-25
Plug to Stub	
5' (1.53 m)	T-P25S-5
10' (3.05 m)	T-P25S-10
15'' (4.58 m)	T-P25S-15
20' (6.1 m)	T-P25S-20
25' (7.63 m)	T-P25S-25
Receptacle to Receptacle	
5' (1.53 m)	T-R25R-5
10' (3.05 m)	T-R25R-10
15'' (4.58 m)	T-R25R-15
20' (6.1 m)	T-R25R-20
25' (7.63 m)	T-R25R-25
Plug to Plug	
5' (1.53 m)	T-P25P-5
10' (3.05 m)	T-P25P-10
15'' (4.58 m)	T-P25P-15
20' (6.1 m)	T-P25P-20
25' (7.63 m)	T-P25P-25

Standard length cables available: stock - 1 week; non-standard length cables available: 2-4 weeks.

Ordering Information

Description	Catalog Number
Connectors	
For use with 22 gauge wire, cable diameters up to .55" (24.97 mm)	P-22 R-22
For use with 24 or 26 gauge wire, cable diameters range .35" (8.89 mm) to .425" (10.80 mm)	P-24/26 R-24/2

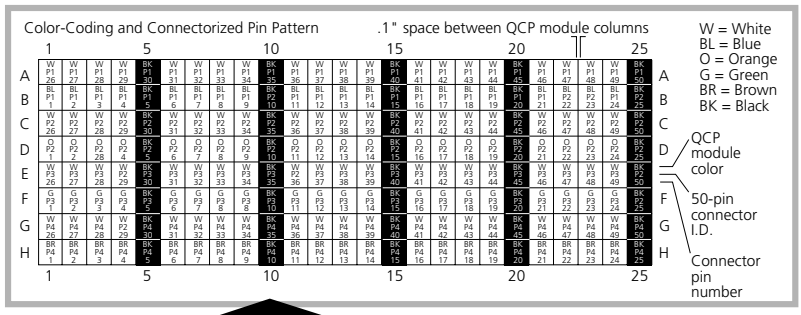
P=Plug R=Receptacle

Reference Section

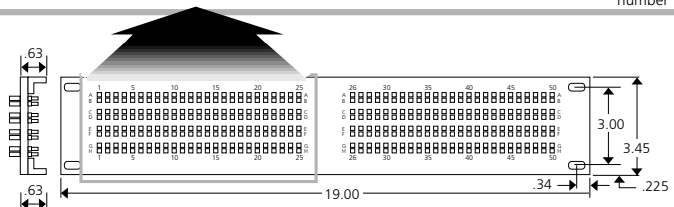
QCP Wire Distribution Products

QCP 200/400 Pair Standard Panel

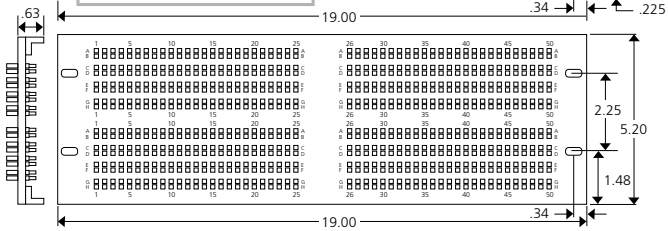
19" EIA (1.75") Rack Spacing



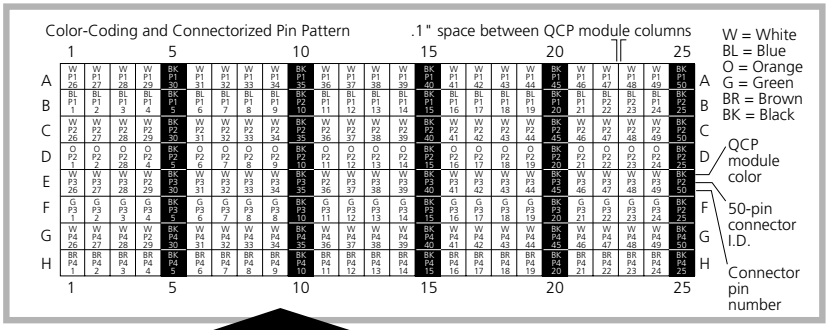
Q39U2-0825X
200 Pair, 19" Panel



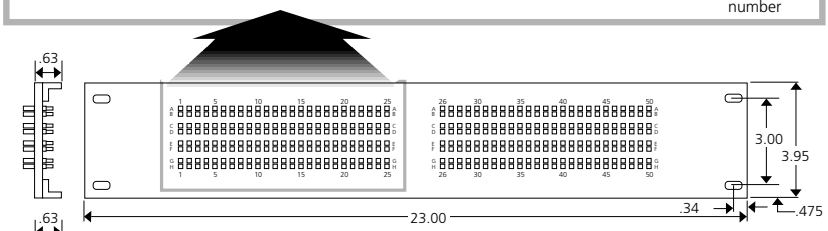
Q69F4-0825X
400 Pair, 19" Panel



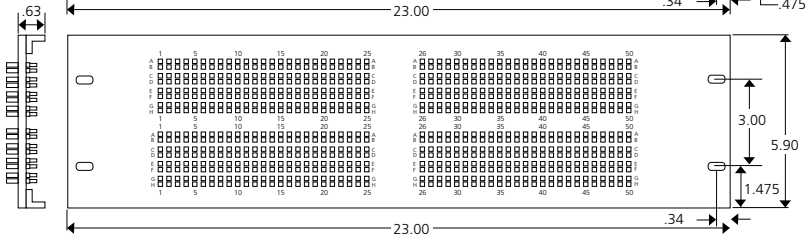
23" WECO (2.0") Rack Spacing



Q43U2-0825X
200 Pair, 23" Panel



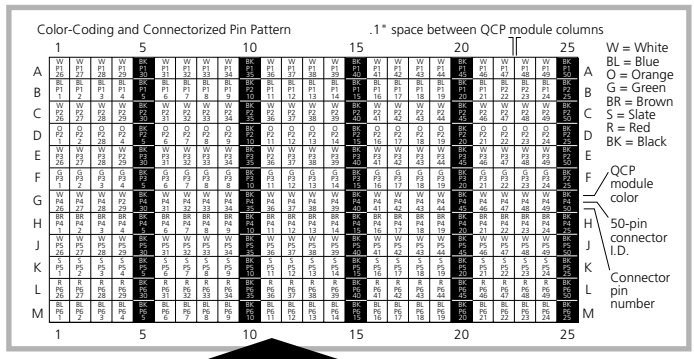
Q73F4-0825X
400 Pair, 23" Panel



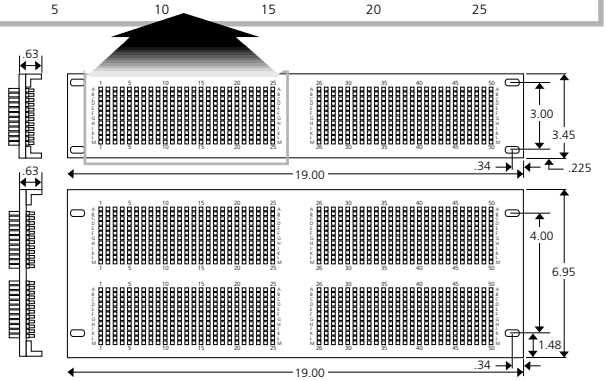
QCP Wire Distribution Products

QCP 300/600 Pair Standard Panel

19" EIA (1.75") Rack Spacing

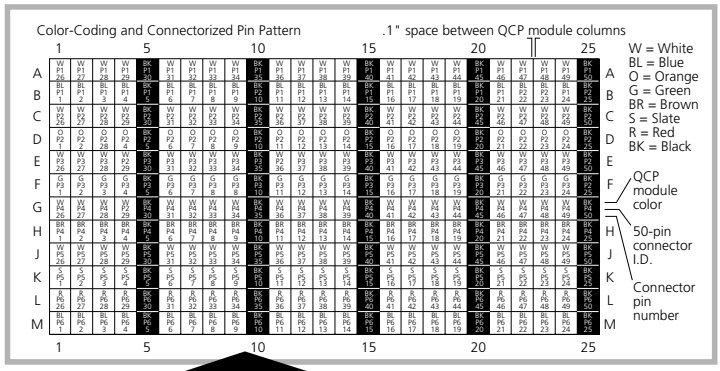


Q39U2-1225X
300 Pair, 19" Panel

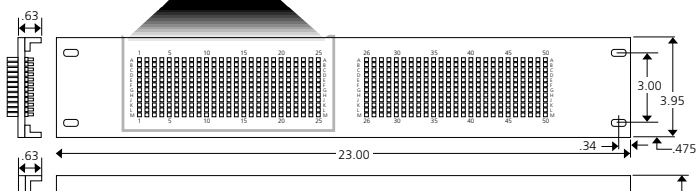


Q89F4-1225X
600 Pair, 19" Panel

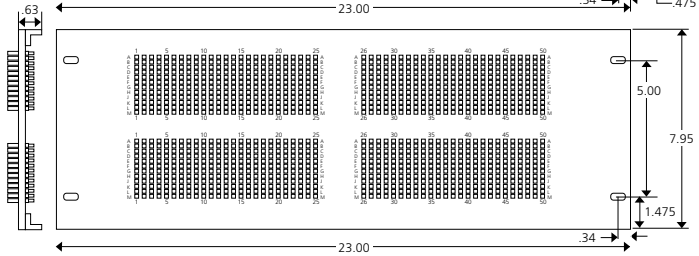
23" WECO (2.0") Rack Spacing



Q43U2-1225X
300 Pair, 23" Panel

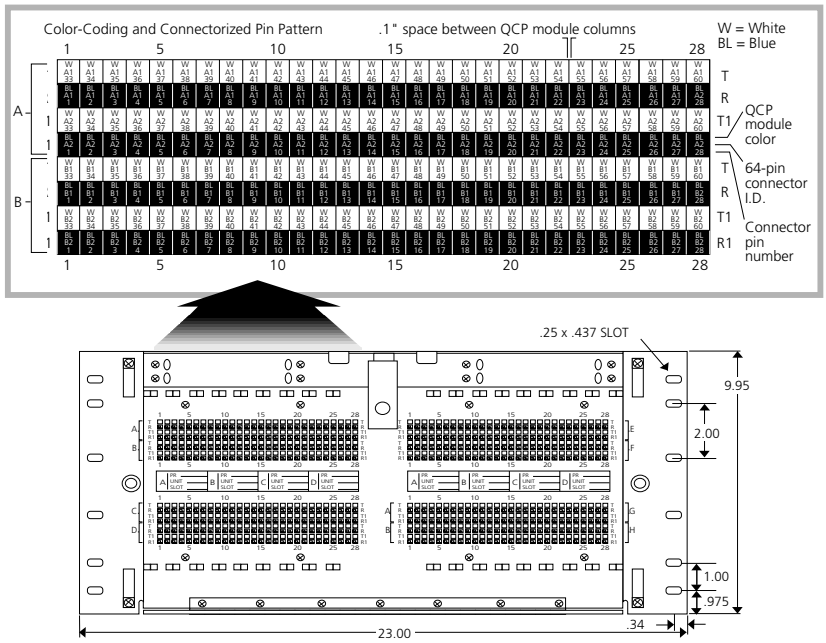


Q93F4-1225X
600 Pair, 23" Panel



QCP Wire Distribution Products

QCP/DCS Panels



QCP Wire Distribution Products
Specifications

Wire-Wrap

ELECTRICAL

Insulation Resistance:	Above 10,000 Megohms minimum at 500 Vdc
Dielectric Withstanding Voltage:	500 VAC
Current Capacity:	3 amps per circuit or current carrying capacity of wire used
Cross Talk:	Less than -80 dB @ 20 kHz, -60 dB @ 3.152 Mbps (digital QCP)
Termination Resistance:	20 milliohms
Maximum Change in Resistance:	Δ R (all environments), 5 milliohms

TEST ENVIRONMENT

Moisture Resistance:	Per MIL-STD-202, method 106
Durability:	Wire-wrap gas tight connection in corrosive gaseous environments up to 50 rewraps
Vibration:	Per MIL-STD-202, method 201
Thermal Shock:	Per MIL-STD-202, method 107
Mechanical Shock:	Per MIL-STD-202, method 213, test condition A
Gas Tight Test::	Per MIL-STD-1130B 5.6.2.

MATERIALS:

Insulator:	Flame retardant thermoplastic, oxygen index ≥ 28, UL94-VO
Terminals:	Nickel silver
Connectors:	Industry standard 50-, 64-, 36- and 24-pin connectors, male or female
Dust Covers:	Attached to each connector before shipment
Cable Locking or Tying Feature:	Provided for each connector
Panels:	Aluminum, powder painted white, 19" or 23" (48.26 or 58.42 cm)
Chassis and Cover:	Steel, powder painted

Split Cylinder

ELECTRICAL

Insulation Resistance:	Above 10,000 Megohms
Dielectric Withstanding Voltage:	500 VAC
Current Capacity:	3 amps per circuit or current carrying capacity of wire used
Cross Talk:	Less than -90 dB @ 20 kHz, -60 dB @ 3.152 Mbps (digital QCP)
Termination Resistance:	20 milliohms
Maximum Change in Resistance:	Δ R (all environments), 5 milliohms

TEST ENVIRONMENT

Stress Relaxation:	118˚ C, 33 days
Salt Spray (Corrosion Test):	Per MIL-SDTD-202E method 101D condition B
Moisture Resistance:	Per MIL-STD-202, method 106
Current Cycling Durability: (Insertion/Withdrawal Test):	Cross-connect side: 200 insertions/withdrawals #22, 24 and 26 AWG wire
Vibration:	Per MIL-STD-1344A, method 2005.1, test condition I
Thermal Shock:	Per MIL-STD-202, method 107
Mechanical Shock:	Per MIL-STD-202, method 213, test condition A
Gas Tight Test:	Per MIL-STD-1130B
Temperature Rise:	T Test UL 486A

WIRE

Wire Sizes:	#22, 24, 26 AWG solid and stranded
Type of Insulations:	PVC or FEP
	Note: to insure proper termination, the maximum outside diameter of wire and insulation must not exceed .060" (1.5 mm

Modular Patch Panel
Specifications

MATERIALS:

Split Cylinder & Split Cylinder:	
Wire-wrap Tail:	Tin plated high strength phosphor bronze
Insulator:	Flame retardant thermoplastic, oxygen index ≥ 28, UL94-VO
Panels:	Aluminum, powder painted white, 19" or 23" (48.26 or 58.42 cm)
Connectors:	50-, 64-, 36- and 24-pin connectors, male or female
Chassis and Cover:	Steel, powder painted
Panels:	Aluminum, powder painted white, 19" or 23" (48.26 or 58.42 cm)
Chassis and Cover:	Steel, powder painted
Dust Covers:	Attached to each connector before shipment
Cable Locking or Tying Feature:	Provided for each connector

ELECTRICAL

Crosstalk:

Speed	Frequency	Isolation
2 Mbps	1 MHz	<-65 dB
4 Mbps	2 MHz	<-60 dB
10 Mbps	5 MHz	<-50 dB
16 Mbps	8 MHz	<-45 dB

Insertion Loss:	≥0.05 dB at 10 MHz
Insulation Resistance:	100 Megohm minimum at 500 Vdc

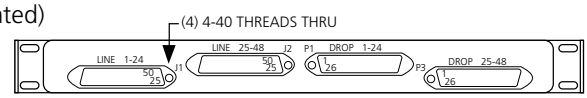
PHYSICAL

Circuit:	(24) 2, 4, 6 or 8-wire circuits (24 port panels)
Connectors (rear):	Self-locking 50-pin
Size:	1.75" x 19"
Wiring Scheme:	USOC, TIA 568, TIA 568 B, (ATT 258 A), 10BaseT
Jack Contact Plating:	≥50 mirco inches of gold. Meets or exceeds minimum requirements, FCC pt. 68.
Chassis and Cover:	Steel, powder painted
Panels:	Aluminum, powder painted white, 19" or 23" (48.26 or 58.42 cm)
Chassis and Cover:	Steel, powder painted
Dust Covers:	Attached to each connector before shipment
Cable Locking or Tying Feature:	Provided for each connector

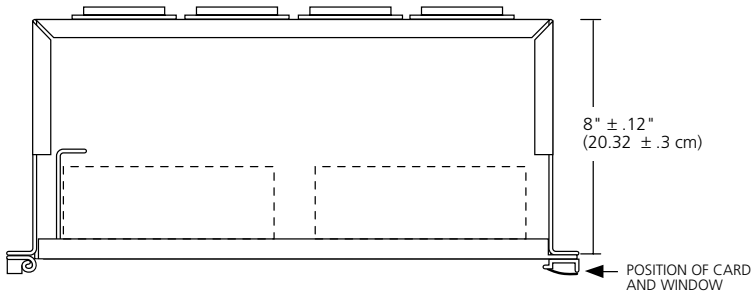
Wired Assemblies
Figure 1

Type 01 Jackfield (JC2/48)

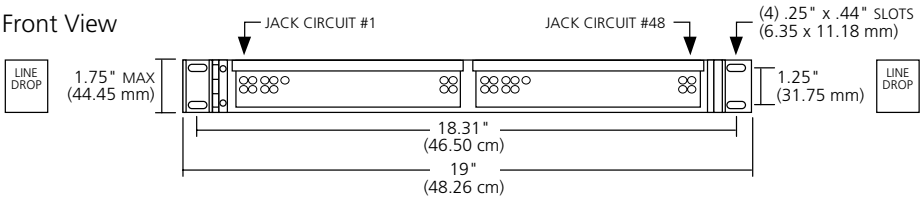
Rear View (Rotated)

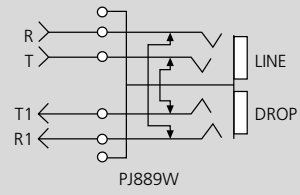


Top View



Front View





PJ889W

SCHEMATIC,
TYPICAL OF 48 CIRCUITS

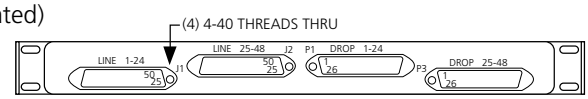
CONNECTION TABLE

TO PLUG CONNECTOR			PIN		TO REC. CONNECTOR			PIN	
CKT. 1	DROP	T1	26	P1	CKT. 1	LINE	T	26	J1
		R1	1				R	1	
REPEATED					REPEATED				
CKT. 24	DROP	T1	49		CKT. 24	LINE	T	49	
		R1	24				R	24	
CKT. 25	DROP	T1	26	P2	CKT. 25	LINE	T	26	J2
		R1	1				R	1	
REPEATED					REPEATED				
CKT. 48	DROP	T1	49		CKT. 48	LINE	T	49	
		R1	24				R	24	

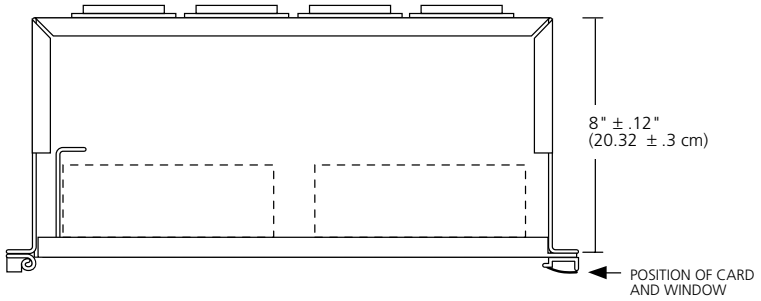
Wired Assemblies
Figure 2

Type 02 Jackfield (JC2/48LDM)

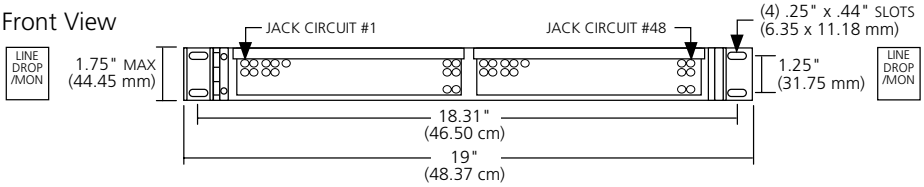
Rear View (Rotated)

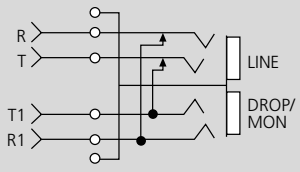


Top View



Front View





PJ889W

SCHEMATIC,
TYPICAL OF 48 CIRCUITS

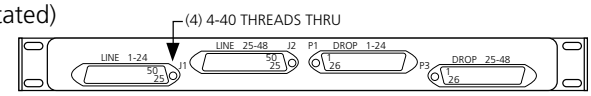
CONNECTION TABLE

TO PLUG CONNECTOR			PIN		TO REC. CONNECTOR			PIN	
CKT. 1	DROP	T1	26	P1	CKT. 1	LINE	T	26	J1
		R1	1				R	1	
REPEATED					REPEATED				
CKT. 24	DROP	T1	49		CKT. 24	LINE	T	49	
		R1	24				R	24	
CKT. 25	DROP	T1	26	P2	CKT. 25	LINE	T	26	J2
		R1	1				R	1	
REPEATED					REPEATED				
CKT. 48	DROP	T1	49		CKT. 48	LINE	T	49	
		R1	24				R	24	

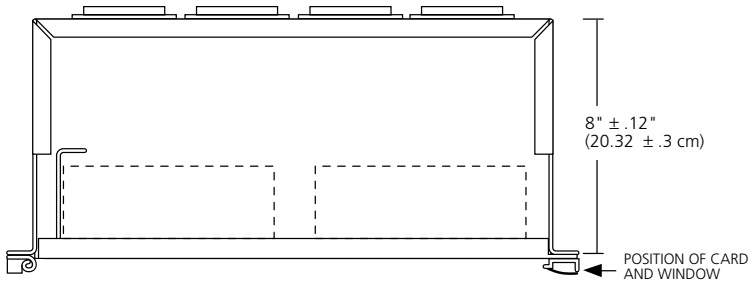
Wired Assemblies
Figure 3

Type 03 Jackfield (JC2/48M)

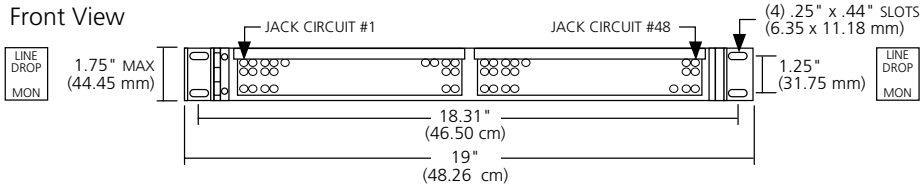
Rear View (Rotated)

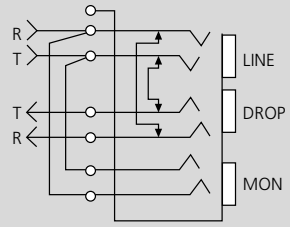


Top View



Front View





PJ831W

SCHEMATIC,
TYPICAL OF 48 CIRCUITS

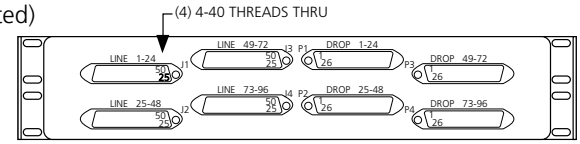
CONNECTION TABLE

TO PLUG CONNECTOR			PIN		TO REC. CONNECTOR			PIN	
CKT. 1	DROP	T	26	P1	CKT. 1	LINE	T	26	J1
		R	1				R	1	
REPEATED					REPEATED				
CKT. 24	DROP	T	49		CKT. 24	LINE	T	49	
		R	24				R	24	
CKT. 25	DROP	T	26	P2	CKT. 25	LINE	T	26	J2
		R	1				R	1	
REPEATED					REPEATED				
CKT. 48	DROP	T	49		CKT. 48	LINE	T	49	
		R	24				R	24	

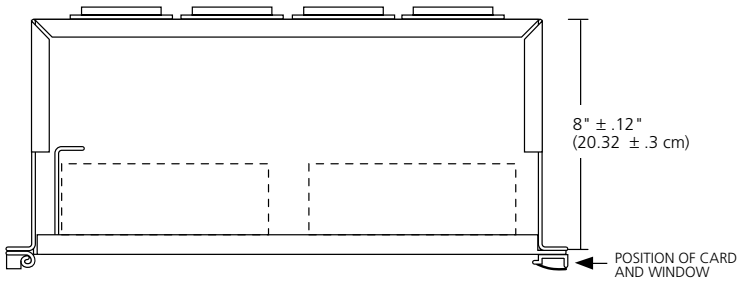
Wired Assemblies
Figure 4

Type 04 Jackfield (JC2/96)

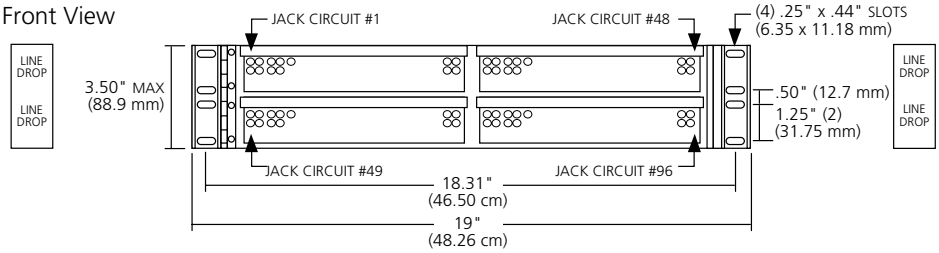
Rear View (Rotated)

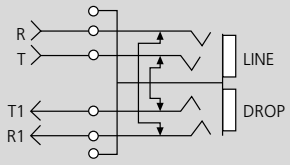


Top View



Front View





PJ889W

SCHEMATIC,
TYPICAL OF 96 CIRCUITS

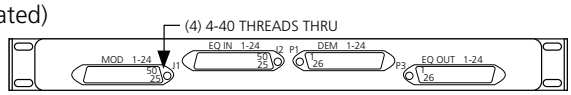
CONNECTION TABLE

TO PLUG CONNECTOR			PIN		TO REC. CONNECTOR			PIN	
CKT. 1	DROP	T1	26	P1	CKT. 1	LINE	T	26	J1
		R1	1				R	1	
REPEATED					REPEATED				
CKT. 24	DROP	T1	49		CKT. 24	LINE	T	49	
		R1	24				R	24	
CKT. 25	DROP	T1	26	P2	CKT. 25	LINE	T	26	J2
		R1	1				R	1	
REPEATED					REPEATED				
CKT. 48	DROP	T1	49		CKT. 48	LINE	T	49	
		R1	24				R	24	
CKT. 49	DROP	T1	26	P3	CKT. 49	LINE	T	26	J3
		R1	1				R	1	
REPEATED					REPEATED				
CKT. 72	DROP	T1	49		CKT. 72	LINE	T	49	
		R1	24				R	24	
CKT. 73	DROP	T1	26	P4	CKT. 73	LINE	T	26	J4
		R1	1				R	1	
REPEATED					REPEATED				
CKT. 96	DROP	T1	49		CKT. 96	LINE	T	49	
		R1	24				R	24	

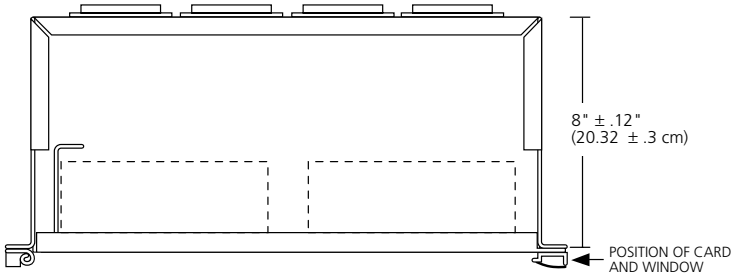
Wired Assemblies
Figure 5

Type 05 Jackfield (JC4/24)

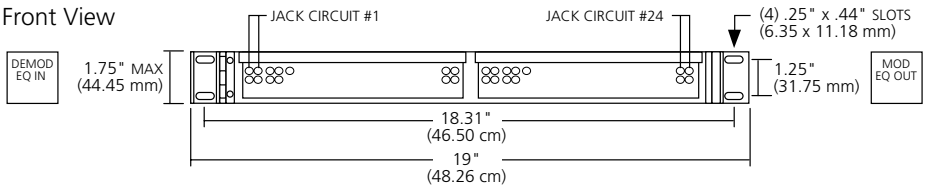
Rear View (Rotated)

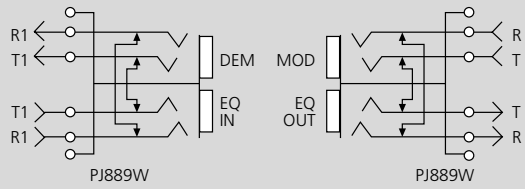


Top View



Front View





SCHEMATIC,
TYPICAL OF 24 CIRCUITS

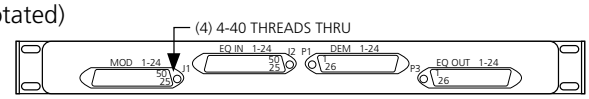
CONNECTION TABLE

TO PLUG CONNECTOR			PIN		TO REC. CONNECTOR			PIN	
CKT. 1	DEM	T1	26	P1	CKT. 1	MOD	T	26	J1
		R1	1				R	1	
REPEATED					REPEATED				
CKT. 24	DEM	T1	49		CKT. 24	MOD	T	49	
		R1	24				R	24	
CKT. 1	EQ OUT	T	26	P2	CKT. 1	EQ IN	T1	26	J2
		R	1				R1	1	
REPEATED					REPEATED				
CKT. 24	EQ OUT	T	49		CKT. 24	EQ IN	T1	49	
		R	24				R1	24	

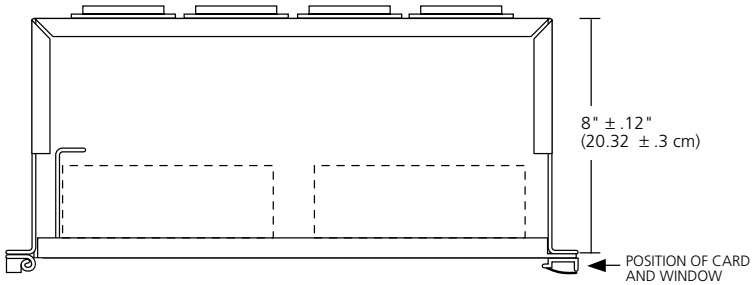
Wired Assemblies
Figure 6

Type 06 Jackfield (JC4/24M)

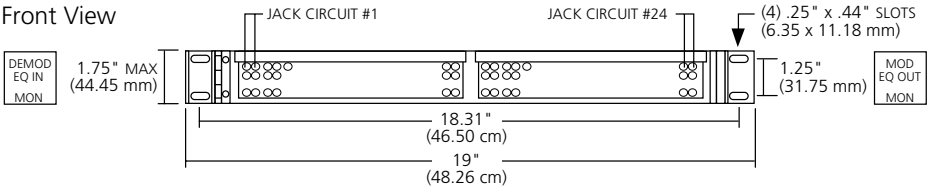
Rear View (Rotated)

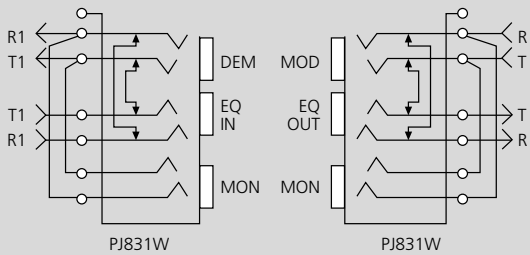


Top View



Front View





SCHEMATIC,
TYPICAL OF 24 CIRCUITS

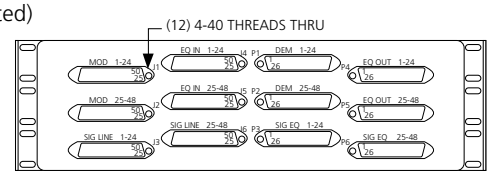
CONNECTION TABLE

TO PLUG CONNECTOR			PIN		TO REC. CONNECTOR			PIN	
CKT. 1	DEM	T1	26	P1	CKT. 1	MOD	T	26	J1
		R1	1				R	1	
REPEATED					REPEATED				
CKT. 24	DEM	T1	49		CKT. 24	MOD	T	49	
		R1	24				R	24	
CKT. 1	EQ OUT	T	26	P2	CKT. 1	EQ IN	T1	26	J2
		R	1				R1	1	
REPEATED					REPEATED				
CKT. 24	EQ OUT	T	49		CKT. 24	EQ IN	T1	49	
		R	24				R1	24	

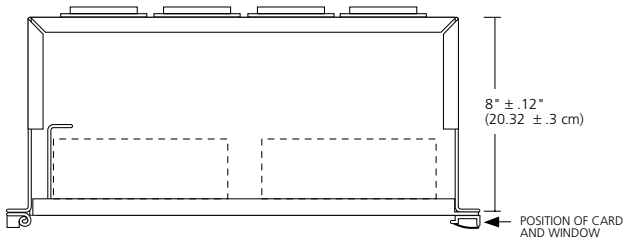
Wired Assemblies
Figure 8

Type 08 Jackfield (JC6/48M)

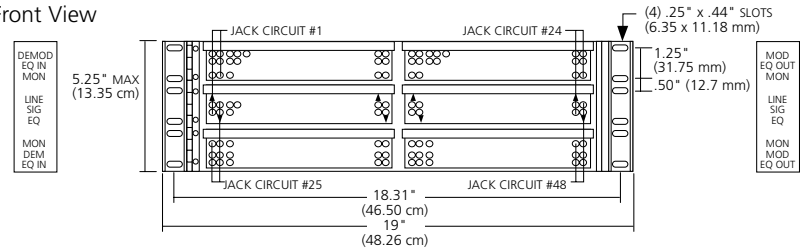
Rear View (Rotated)

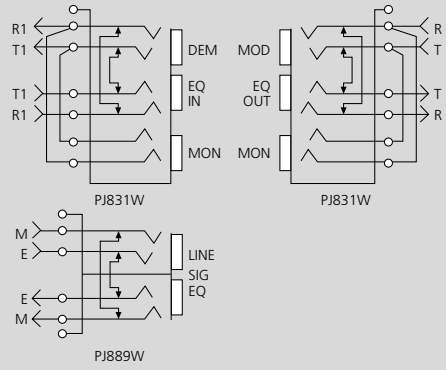


Top View



Front View





SCHEMATIC,
TYPICAL OF 48 CIRCUITS

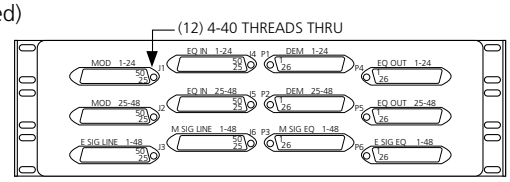
CONNECTION TABLE

TO PLUG CONNECTOR			PIN		TO REC. CONNECTOR			PIN	
CKT. 1	DEM	T1	26	P1	CKT. 1	MOD	T	26	J1
		R1	1				R	1	
REPEATED					REPEATED				
CKT. 24	DEM	T1	49		CKT. 24	MOD	T	49	
		R1	24				R	24	
CKT. 25	DEM	T1	26	P2	CKT. 25	MOD	T	26	J2
		R1	1				R	1	
REPEATED					REPEATED				
CKT. 48	DEM	T1	49		CKT. 48	MOD	T	49	
		R1	24				R	24	
CKT. 1	EQ OUT	T	26	P4	CKT. 1	EQ IN	T1	26	J4
		R	1				R1	1	
REPEATED					REPEATED				
CKT. 24	EQ OUT	T	49		CKT. 24	EQ IN	T1	49	
		R	24				R1	24	
CKT. 25	EQ OUT	T	26	P5	CKT. 25	EQ IN	T1	26	J5
		R	1				R1	1	
REPEATED					REPEATED				
CKT. 48	EQ OUT	T	49		CKT. 48	EQ IN	T1	49	
		R	24				R1	24	
CKT. 1	SIG EQ	E	26	P3	CKT. 1	SIG LINE	E	26	J3
		M	1				M	1	
REPEATED					REPEATED				
CKT. 24	SIG EQ	E	49		CKT. 24	SIG LINE	E	49	
		M	24				M	24	
CKT. 25	SIG EQ	E	26	P6	CKT. 25	SIG LINE	E	26	J6
		M	1				M	1	
REPEATED					REPEATED				
CKT. 48	SIG EQ	E	49		CKT. 48	SIG LINE	E	49	
		M	24				M	24	

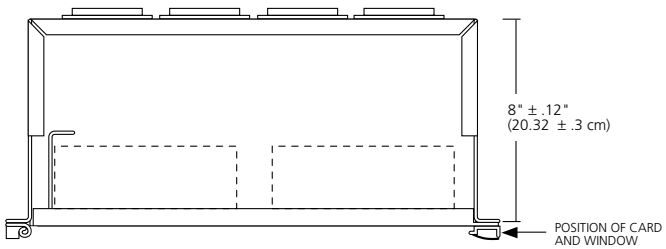
Wired Assemblies
Figure 9

Type 09 Jackfield (JC6/48SC)

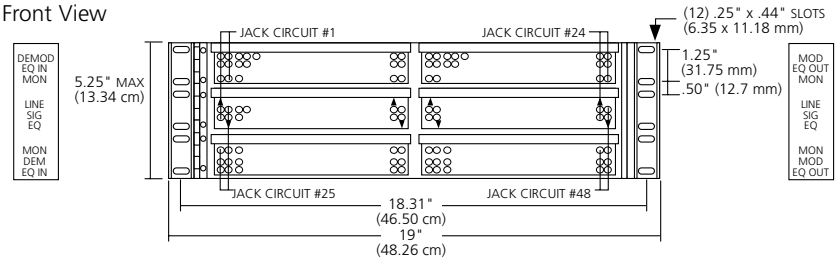
Rear View (Rotated)

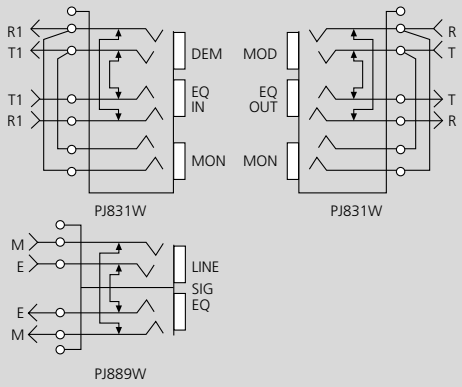


Top View



Front View





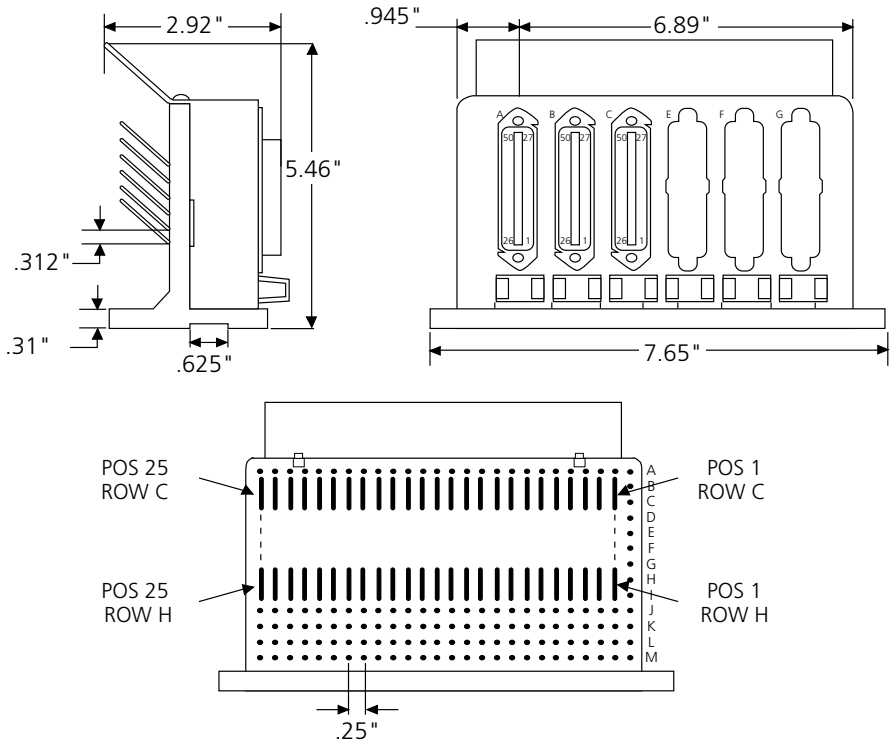
SCHEMATIC,
TYPICAL OF 48 CIRCUITS

CONNECTION TABLE

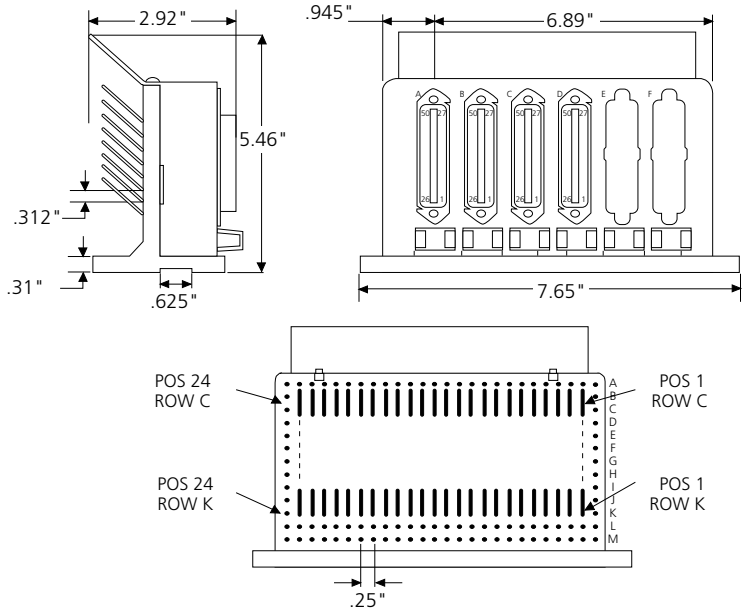
TO PLUG CONNECTOR			PIN		TO REC. CONNECTOR			PIN	
CKT. 1	DEM	T1	26	P1	CKT. 1	MOD	T	26	J1
		R1	1				R	1	
REPEATED					REPEATED				
CKT. 24	DEM	T1	49		CKT. 24	MOD	T	49	
		R1	24				R	24	
CKT. 25	DEM	T1	26	P2	CKT. 25	MOD	T	26	J2
		R1	1				R	1	
REPEATED					REPEATED				
CKT. 48	DEM	T1	49		CKT. 48	MOD	T	49	
		R1	24				R	24	
CKT. 1	EQ OUT	T	26	P4	CKT. 1	EQ IN	T1	26	J4
		R	1				R1	1	
REPEATED					REPEATED				
CKT. 24	EQ OUT	T	49		CKT. 24	EQ IN	T1	49	
		R	24				R1	24	
CKT. 25	EQ OUT	T	26	P5	CKT. 25	EQ IN	T1	26	J5
		R	1				R1	1	
REPEATED					REPEATED				
CKT. 48	EQ OUT	T	49		CKT. 48	EQ IN	T1	49	
		R	24				R1	24	
CKT. 1	SIG EQ	E	1	P6	CKT. 1	SIG LINE	E	1	J3
CKT. 2		E	2		CKT. 2		E	2	
REPEATED					REPEATED				
CKT. 47	SIG EQ	E	48		CKT. 47	SIG LINE	E	48	
CKT. 48		E	49		CKT. 48		E	49	
CKT. 1	SIG EQ	M	1	P3	CKT. 1	SIG LINE	M	1	J6
CKT. 2		M	2		CKT. 2		M	2	
REPEATED					REPEATED				
CKT. 47	SIG EQ	M	48		CKT. 47	SIG LINE	M	48	
CKT. 48		M	49		CKT. 48		M	49	

Connectorized Terminal Blocks

6 x 25 and 6 x 24, (3) 50-pin Connectors

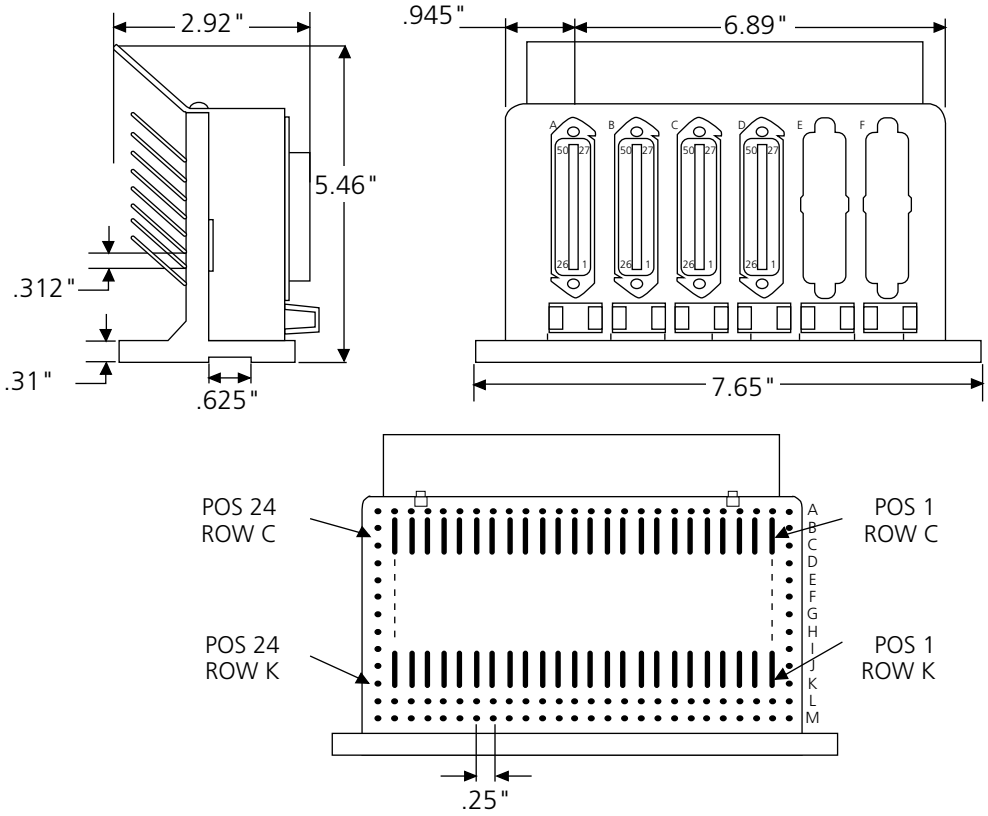


6 x 25 and 8 x 24, (4) 50-pin Connectors



Connectorized Terminal Blocks

8 x 25 and 8 x 24, (4) 50-pin Connectors

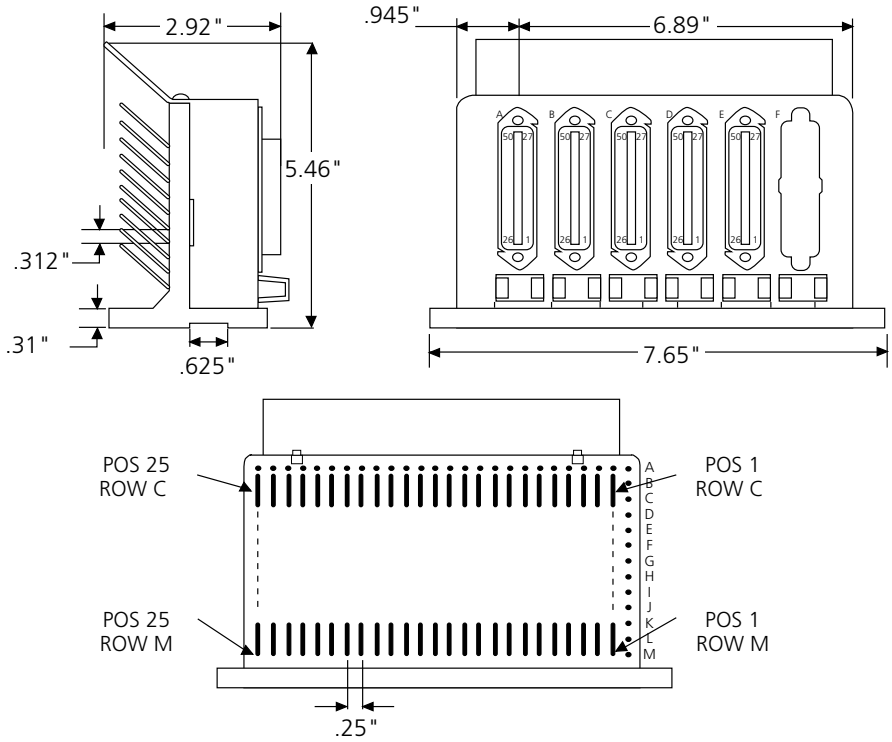


C-0104M-901

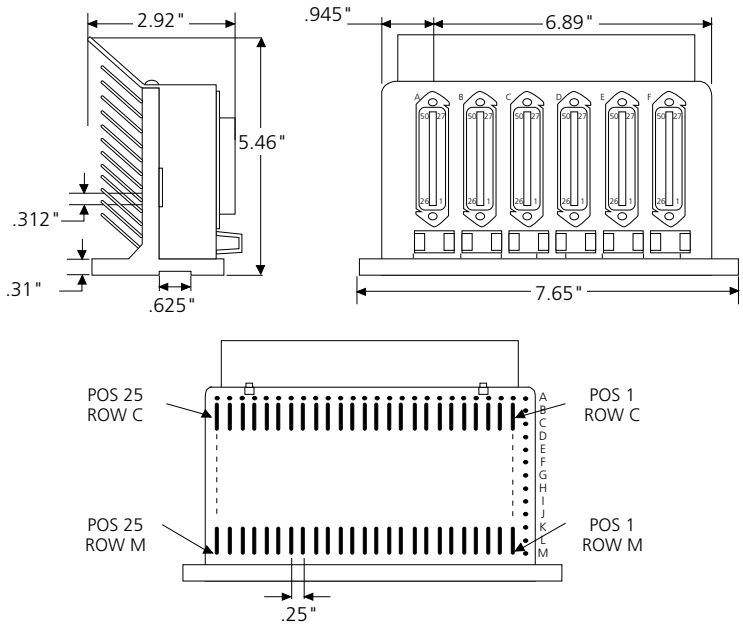
8" (20.32 cm) Fanning Strip
7.5" (19.05 cm) Mounting Centers (optional Adjustable Mounting Bracket #BK 310)

Connectorized Terminal Blocks

10 x 25 and 10 x 24, (5) 50-pin Connectors



12 x 25 and 12 x 24, (6) 50-pin Connectors



Connectorized Terminal Blocks
Specifications

ELECTRICAL

Insulation Resistance:	10,000 Megohms minimum at 500 Vdc
Dielectric Withstanding Voltage:	500 VAC, 60 Hz for one minute
Current Capacity:	5 amps per circuit or current carrying capacity of wire used
Cross Talk:	< -80 dB at 20 kHz
Termination Resistance:	2 milliohms

MECHANICAL

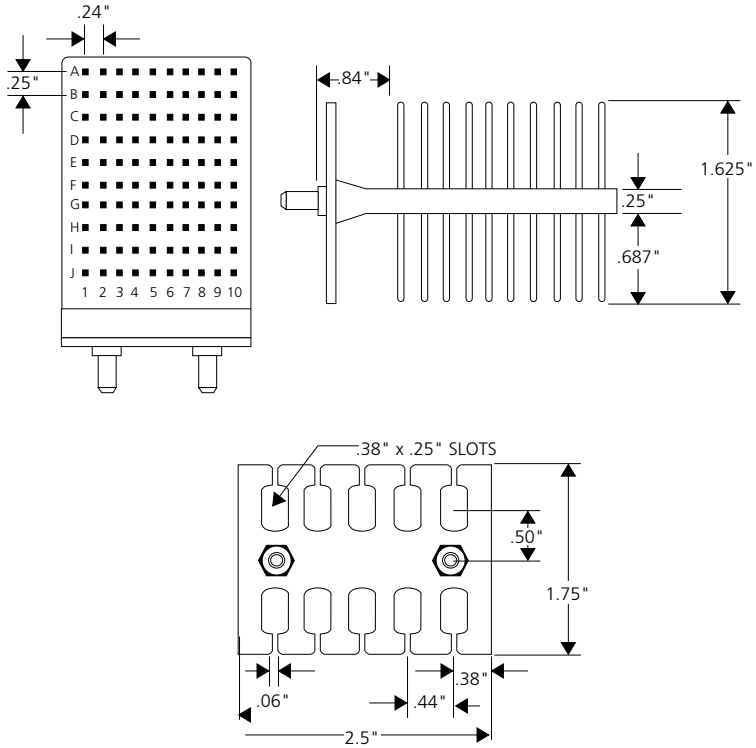
Thermal Shock:	Per MIL-STD-202, method 107
Moisture Resistance:	Per MIL-STD-202, method 106
Vibration:	Per MIL-STD-202, method 201
Mechanical Shock:	Per MIL-STD-202, method 213, test condition A
Strength:	Block capable of supporting 50 lbs. perpendicular to the plane of the connectors without damage
Wire-wrap Pins	
Strip force of wrapped wire:	6 lbs. minimum using 26 AWG wire
Connection Integrity:	Gas tight connections in corrosive gaseous environments up to 50 rewraps

MATERIALS:

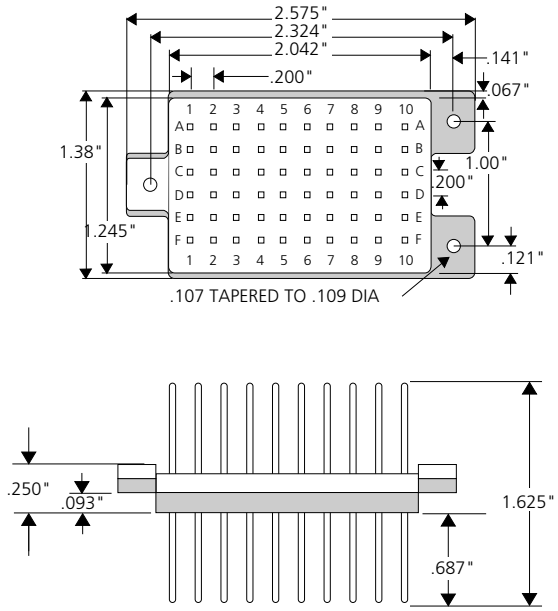
Terminal Blocks:	Flame retardant thermoplastic, oxygen index ≥ 28, UL94-VO
Terminals:	Nickel silver
Connectors:	Industry standard 50- and 64-pin connectors, male or female
Dust Covers:	Attached to each connector before shipment
Cable Locking or Tying Feature:	Provided for each connector

Terminal Blocks

4 x 10 - 12 x 10 Wire-Wrap to Wire-Wrap



6 x 10 Molded Terminal Block



Index

Index

Index

Web Site: www.adc.com

From North America, Call Toll Free: 1-800-366-3891 • Outside of North America: +1-952-938-8080 Fax: +1-952-946-3292

For a complete listing of ADC's global sales office locations, please refer to our web site.

ADC Telecommunications, Inc., P.O. Box 1101, Minneapolis, Minnesota USA 55440-1101

187 9/00 Revision