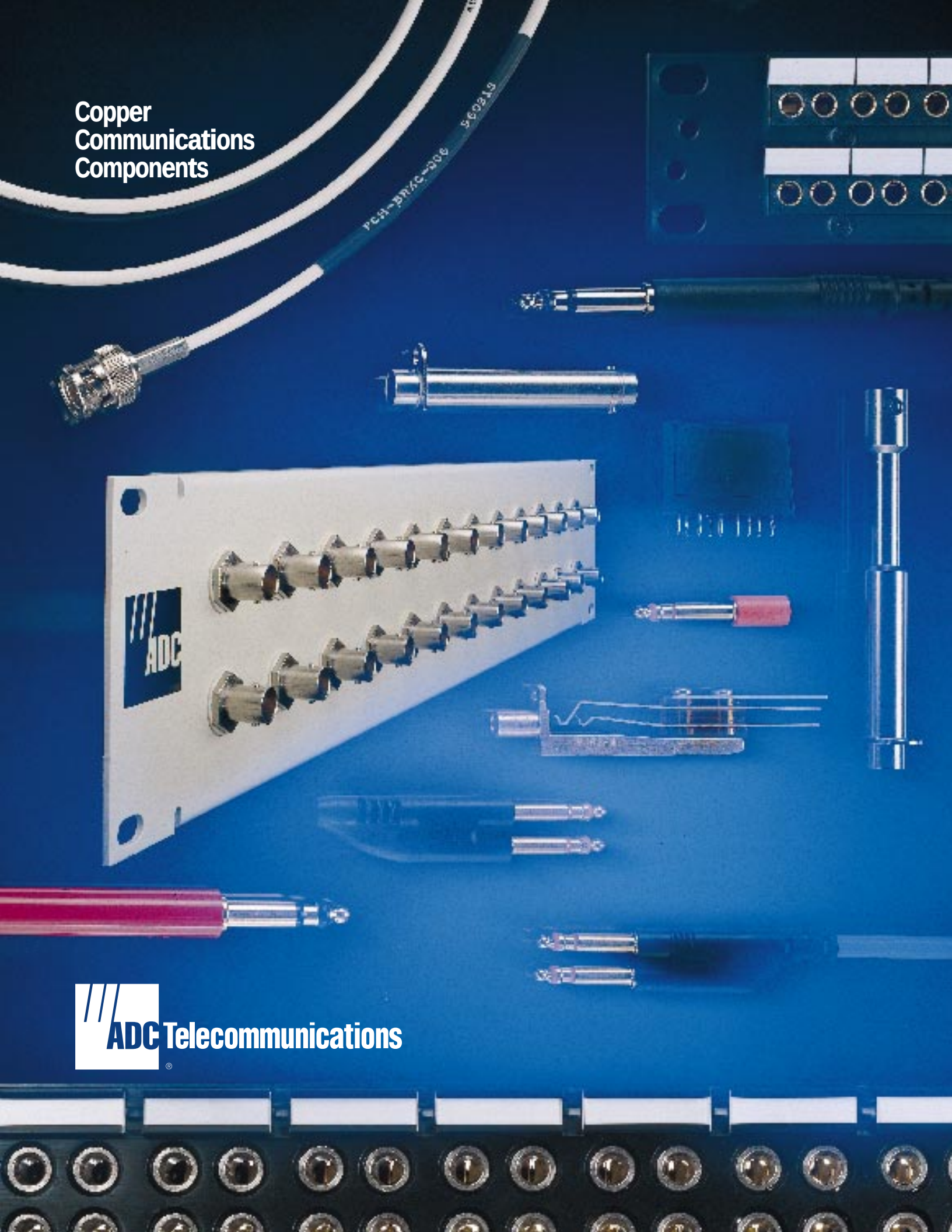
Copper Communications Components



ADC Telecommunications®

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 plug configurations. A cord strain relief feature is included in the plug construction. Dual twisted pair patch cords are recommended for protection against cross talk, especially during switch cutovers and when patch cords over 12' are used.

Two Conductor Single Patch Cord

Two Conductor Dual Patch Cord

Three Conductor Single Patch Cord

Three Conductor Dual Patch Cord

*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.

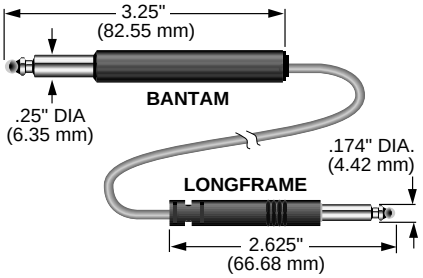
Ordering Information

Description	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' (.91 m)	PJ756
4' (1.22 m)	PJ758
5' (1.52 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' (.91 m)	PJ716
4' (1.22 m)	PJ718
5' (1.52 m)	PJ720
6' (1.83 m)	PJ722
8' (2.44 m)	PJ1208
10' (3.05 m)	PJ1210
12' (3.66 m)	PJ1212
15' (4.57 m)	PJ1415
20' (6.1 m)	PJ1420
25' (7.62 m)	PJ1425
30' (9.15 m)	PJ1430
50' (15.24 m)	PJ1450
Dual**	
1' (.3 m)	PJ762
2' (.61 m)	PJ764
2.5' (.76 m)	PJ765
3' (.91 m)	PJ766
4' (1.22 m)	PJ768
5' (1.52 m)	PJ770
6' (1.83 m)	PJ772
8' (2.44 m)	PJ1308
10' (3.05 m)	PJ1310
12' (2.66 m)	PJ1312
14' (4.27 m)	PJ1514
20' (6.1 m)	PJ1520
25' (7.62 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' (7.62 m)	PJ1325TP

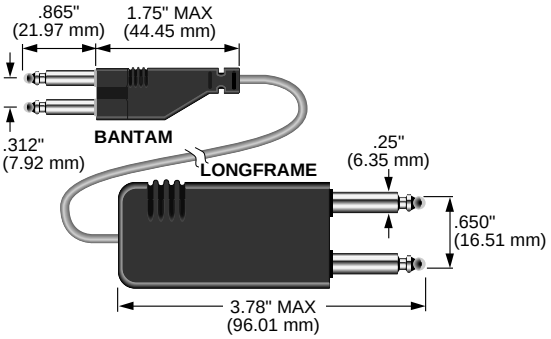
For additional patch cord lengths, contact ADC at 1-800-366-3891, Ext. 3475.

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.



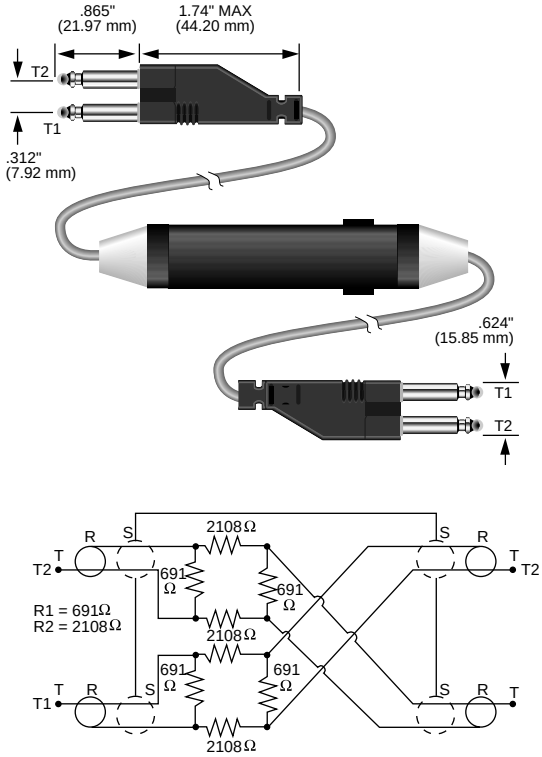
Conversion Patch Cord - Single



Conversion Patch Cord - Dual

Ordering Information	
Description	**Catalog Number**
Conversion Patch Cords	
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
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

Attenuator Patch Cords



Bantam attenuator patch cords provide a means of introducing 23 dB (430 Ω) attenuation into a circuit. Cords are available in either Longframe (310) dual plugs (.25" [6.35 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.

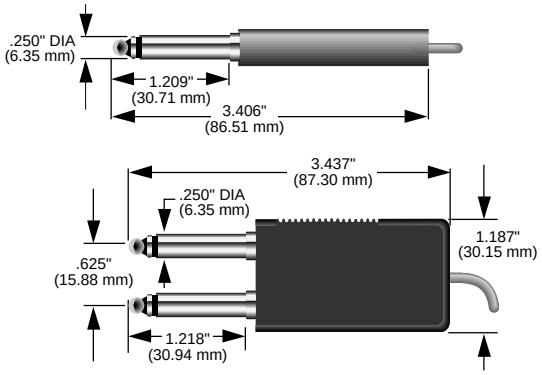
Ordering Information	
Description	**Catalog Number**
Attenuator Patch Cords	
6' (Bantam) (1.83 m)	PJ977
12' (Bantam) (3.66 m)	PJ978
15' (Bantam) (4.58 m)	PJ979
15' (Longframe) (4.58 m)	PJ997

Two and Three Conductor Longframe Patch Cords

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

Two Conductor Single Patch Cord

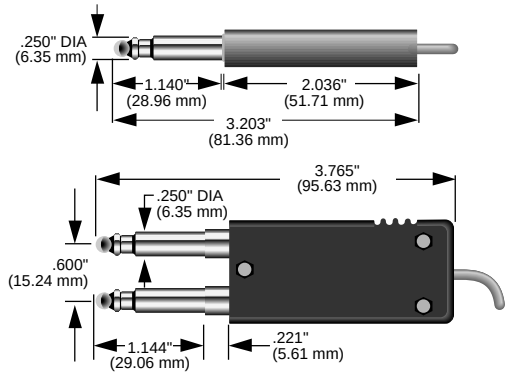
Two Conductor Dual Patch Cord



Two Conductor Patch Cords

Three Conductor Single Patch Cord

Three Conductor Dual Patch Cord



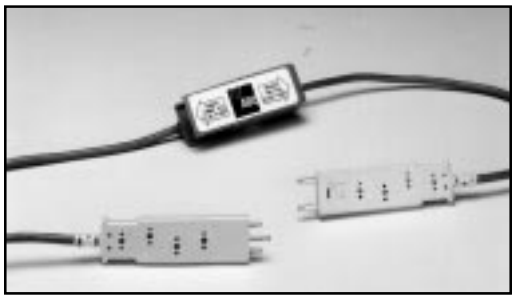
Three Conductor Patch Cords

Ordering Information

Description	Length	Catalog Number
Two Conductor, Single Red cable with PJ047R plugs	2' (.61 m)	PJ472
	4' (1.22 m)	PJ474
	6' (1.83 m)	PJ476
Two Conductor, Dual Black cable with PJ1 plugs	1' (.305 m)	PJ11
	2' (.61 m)	PJ12
	3' (.92 m)	PJ13
	4' (1.22 m)	PJ14
	6' (1.83 m)	PJ16
Three Conductor, Single Black cable with PJ2 plugs (prevents momentary tip/ring shorting)	1' (.305 m)	PJ71
	2' (.61 m)	PJ72
	3' (.92 m)	PJ73
	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 plugs (meets MIL-P-642B)	1' (.305 m)	PJ81
	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
Black cable with PJ310 plugs (WECO type)	1' (.305 m)	PJ311
	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 Black cable with PJ7 plugs (no internal interconnections)	1' (.305 m)	PJ171
	2' (.61 m)	PJ172
	3' (.92 m)	PJ173
	4' (1.22 m)	PJ174
	6' (1.83 m)	PJ176
	8' (2.44 m)	PJ178
	10' (3.05 m)	PJ170
Black cable with PJ8 plugs (prevents momentary tip/ring shorting)	2' (.61 m)	PJ92
	4' (1.22 m)	PJ94
	6' (1.83 m)	PJ96
	10' (3.05 m)	PJ98
	15' (4.58 m)	PJ1715
	20' (6.10 m)	PJ1720
	25' (7.62 m)	PJ1725
Black cable with dual PJ310 plugs (WECO type)	2' (.61 m)	PJ412
	6' (1.83 m)	PJ416
	8' (2.44 m)	PJ417
	10' (3.05 m)	PJ419
	12' (3.66 m)	PJ422
	25' (7.63 m)	PJ420

Central Office Maintenance and Specialty Twisted Pair Products

Protector "Frogger" Patch Cords



The protector patch cord interfaces with standard 5-pin protector blocks. The product accesses tip and ring outside plant on one end and tip and ring equipment and ground on the other. The intermediate portion of the cord is equipped with a jack which will accept a standard 5-pin protector module. The product is intended to provide a means of patching the equipment tip and ring of one circuit to the outside plant tip and ring of another circuit. This product meets MIL-STD-202 Electrical UL 94 Tests for Flammability and Bellcore Technical Reference TR-TSY-000072.

Ordering Information

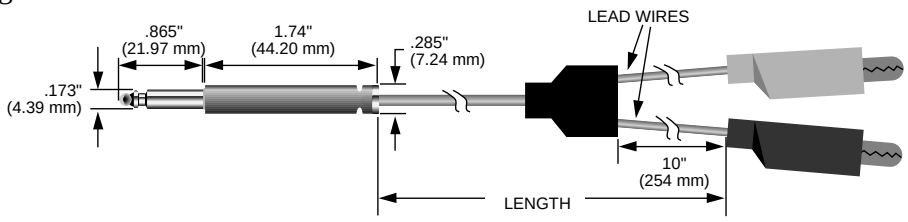
Description	Catalog Number
Protector "Frogger" Patch Cords	
3' (.915 m)	PJFROG-3
6' (1.83 m)	PJFROG-6
9' (2.75 m)	PJFROG-9
12' (3.67 m)	PJFROG-12
20' (6.11 m)	PJFROG-20

Central Office Maintenance and Specialty Twisted Pair Products

Patch Cords

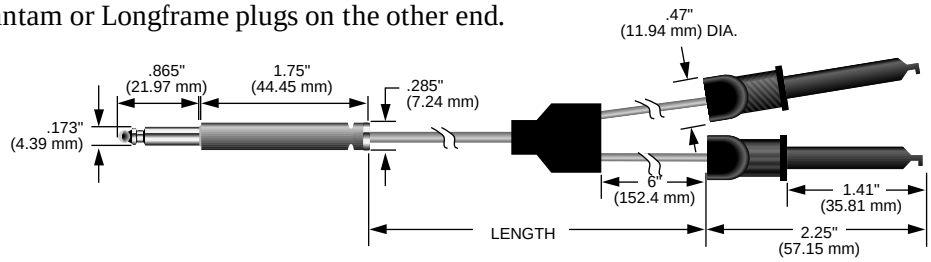
Alligator Patch Cords

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



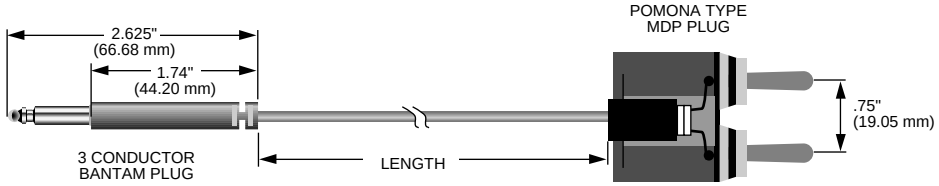
EZ Hook Patch Cords

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



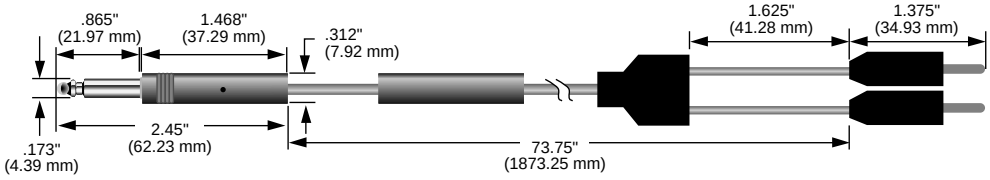
Pomona MDP Type Patch Cords

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.



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.

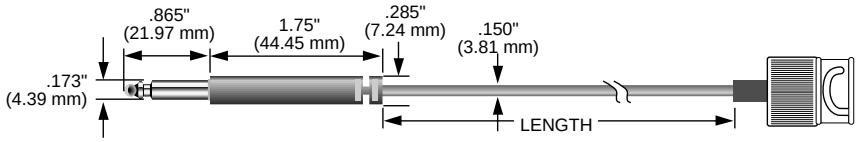


Ordering information begins on page 7.

Central Office Maintenance and Specialty Twisted Pair Products
Patch Cords

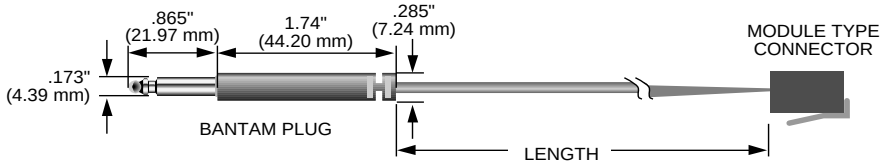
BNC to Telephone Plug Patch Cords

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



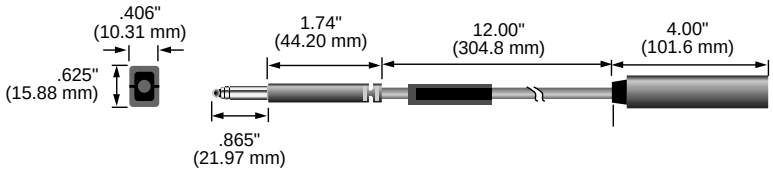
Modular Plug to Bantam Plug Patch Cords

This patch cord incorporates a modular plug on one end of a patch cord and a single or dual Bantam plug on the other end.



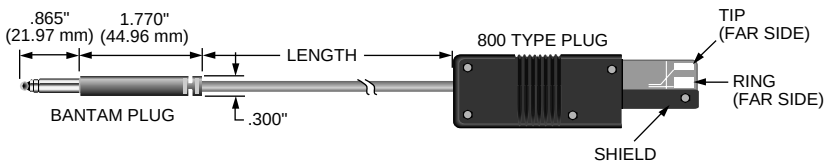
Telephone Jack to Telephone Jack or Plug Patch Cord

These patch cords incorporate a telephone jack on one end of a patch cord and either a telephone jack or plug on the other end.



Bantam Plug to AT&T 800 Style Plug Patch Cords

These patch cords incorporate a three conductor Bantam plug on one end of a patch cord and a three conductor AT&T 800 style plug on the other end.



Ordering information begins on next page.

Central Office Maintenance and Specialty Twisted Pair Products

Patch Cords

Ordering Information

Description	Catalog Number
Alligator Patch Cords	
(3) alligator clips to single 3 conductor Bantam plug - 6' (1.83 m)	CCCDSMB01
(2) alligator clips to single 3 conductor Bantam plug	
6' (1.83 m)	CCCDSMB02
8' (2.44 m)	CCCDSMB03
10' (3.05 m)	CCCDSMB04
(3) alligator clips to dual 3 conductor Bantam plug - 6' (1.83 m)	PAT-100031
(2) alligator clips to single 3 conductor Longframe plug - 6' (1.83 m)	PAT-106630
EZ Hook Patch Cords	
(2) EZ Hook prongs to single 3 conductor Bantam plug	
1' (.305 m)	PAT-100078
5' (1.53 m)	PAT-100079
(2) EZ Hook prongs to single 3 conductor Longframe plug - 7' (2.14 m)	LPC001
Pomona MDP Type Patch Cords	
(1) Pomona MDP type plug to single 3 conductor Bantam plug	
6' (1.83 m)	PAT-100028
10' (3.05 m)	PAT-100030
(1) Pomona MDP type plug to single 3 conductor Longframe plug	
6' (1.83 m)	PAT-100070
Banana Type Patch Cords	
Dual Banana type plug to single 3 conductor Bantam plug	
6' (1.83 m)	PAT-100654
BNC to Telephone Plug Patch Cord*	
BNC connector to single Bantam 3 conductor plug	
3' (.915 m)	PAT-005
5' (1.53 m)	PAT-006
8' (2.44 m)	PAT-007
Plug to Bantam Plug Patch Cord	
2 conductor RJ plug to single Bantam 3 conductor plug - 6' (1.83 m)	BJR2M6
3 conductor dual Bantam jack to RJ45 - 10' (3.05 m)	PAT-100900
3 conductor dual Bantam jack to RJ48 - 10' (3.05 m)	PAT-100901
Telephone Jack to Telephone Jack or Plug Patch Cord	
3 conductor single Longframe jack to 3 conductor single Bantam plug	
1' (.305 m)	PJ959
2 conductor dual Longframe jack to 3 conductor dual Bantam plug	
1' (.305 m)	PAT-100050
3 conductor single Bantam jack to 3 conductor single Bantam jack	
3' (.915 m)	PAT-100036
8' (2.44 m)	PAT-100037
Bantam Plug to AT&T 800 Style Plug Patch Cords	
3 conductor single Bantam plug to 3 conductor single AT&T 800 style plug	
1' (.305 m)	PAT-100091
3' (.915 m)	PAT-100092
6' (1.83 m)	PAT-100093
12' (3.66 m)	PAT-100094
3 conductor dual Bantam plug to 3 conductor dual AT&T 800 style plug	
1' (.305 m)	PAT-100095
3' (.915 m)	PAT-100096

*For Longframe version, call ADC, 1-800-366-3891, Ext. 3475.

Patch Cords (with RG59 Type Cable)

Used to patch between Coaxial jacks

Catalog Number

PCH-___ XB- ___

Plug Type

MM	Midsize plugs
SS	Standard size plugs
BB	BNC connector

Patch Cord Length

XXX	Length in feet (001 thru 050)

Ordering Example:
Catalog number PCH-MMXB-012: 12' (3.66 m) patch cord with MIDSIZE plugs on both ends.

Conversion Patch Cords (with RG59 Type Cable)

Used to patch between different jack/connector types

Catalog Number

PCH-___ XB- ___

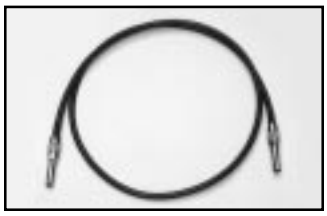
Plug Type

MS	Midsize plug to Standard size plug
BM	BNC connector to Midsize plug
BS	BNC connector to Standard size plug

Patch Cord Length

XXX	Length in feet (001 thru 050)

Ordering Example:
Catalog number PCH-MSXB-012: 12' (3.66 m) patch cord with MIDSIZE plug on one end and STANDARD size plug on the other end.



PCH-MMXB-003

PCH-SSXB-003

PCH-BBXB-003

Midsize Plug
Diameter=.298" (.76 cm)

Standard Size Plug
Diameter= .375" (.92 cm)

PCH-MSXB-003

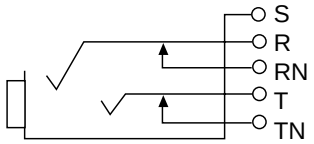
PCH-BMXB-003

PCH-BSXB-003

Bantam Printed Circuit Board Jacks

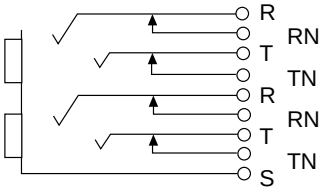
Single Jack
PC834

Printed Circuit Board (PCB) jacks are designed to mount on printed circuit boards wherever access points are required. Plug insertion into the normally through configured jack permits splitting and isolating of the signal for test and monitoring. Dust covers are available. Circuit patching is possible with conventional patch cords.

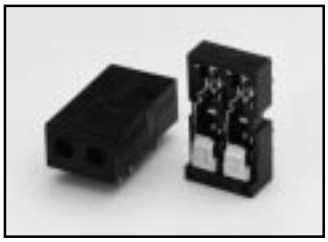


Dual jack
PC1088

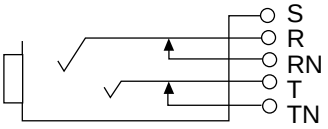
ADC's vertically designed double density Bantam PCB jack requires half the board space used by horizontal dual PCB jacks. The dual jack eliminates the need for any auxiliary board and associated hardware. The PC1088 is designed to be wave soldered with the cover attached. The locking tail holds the jack in place during assembly and wave soldering. The jack features integral board standoffs and drain holes to prevent trapping of flux solvents during washing. Circuit patching is possible with conventional patch cords.



Dual Jack
PC888



Printed Circuit Board (PCB) jacks are designed to mount on printed circuit boards wherever access points are required. Plug insertion into the normally through configured jack permits splitting and isolating of the signal for test and monitoring. Dust covers are available. Circuit patching is possible with conventional patch cords.



Ordering information follows on next page.

Specifications are found on pages 100-101.

Bantam Printed Circuit Board Jacks

Ordering Information

Ordering Information	
Description	**Catalog Number**
Single Bantam PCB Jack *(for colors see below)*	
Horizontal mounting design; tip/ring circuit	
Crimp leads	PC834J-*X**
Straight leads	PC834JS-*X**
Optional dust cover	PC834C-*X**
C**over attached**	
Crimp leads	PCB-100009
Straight leads	PC834JCS-*X**
Dual Bantam PCB Jack	
Vertical mounting design; features tip/ring circuits; available in black only; **dust cover included;** quantities in multiples of 25	PC1088
Horizontal mounting design; tip/ring circuits; available in red, blue, black and white; quantities in multiples of 25	
Crimp tails	PC888J-*X**
Straight tails	PC888JS-*X**
Optional dust cover	PC888C-*X**
Cover attached	
Crimp leads	
Black	PCB-100029
Straight leads	
Black	PC888JCS-Black
Gold springs and connectors; black (standard color)	
Crimp leads	PCB13

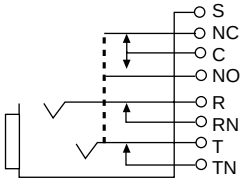
*When ordering, replace *X* with standard color choice: black, blue, red or white.

Contact ADC for a high temperature (>230°c) version of these jacks.

Bantam Printed Circuit Board Jacks

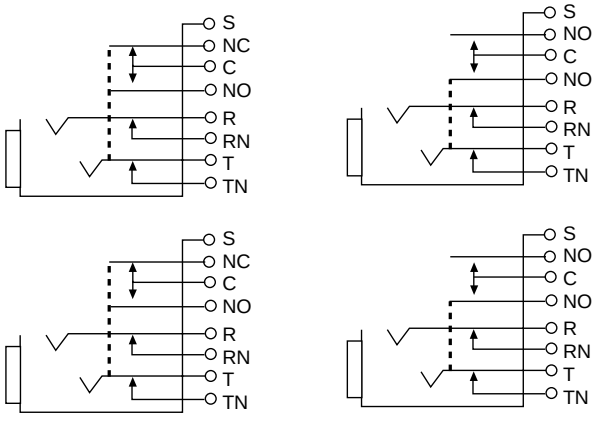
Single Jack with Auxiliary PC835

Printed Circuit Board (PCB) jacks are designed to mount on printed circuit boards wherever access points are required. Plug insertion into the normally through configured jack permits splitting and isolating of the signal for test and monitoring. PCB jacks with auxiliary transfer switches feature contacts which are used when an additional make-before-break, normally closed, contact set is required. Circuit patching is possible with conventional patch cords.



Dual Jack with Auxiliary PC885 PC886JC

Printed Circuit Board (PCB) jacks are designed to mount on printed circuit boards wherever access points are required. Plug insertion into the normally through configured jack permits splitting and isolating of the signal for test and monitoring. PCB jacks with auxiliary transfer switches feature contacts which are used when an additional make-before-break, normally closed, contact set is required. Circuit patching is possible with conventional patch cords.



PC885 *PC886*

Ordering information follows on next page.

Specifications are found on pages 100-101.

Bantam Printed Circuit Board Jacks

Ordering Information

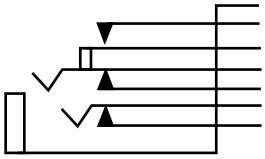
Ordering Information	
Description	**Catalog Number**
Single Bantam PCB Jack with Auxiliary Transfer Switches -horizontal mounting design -dust cover -available in red, blue, black or white -quantities in multiples of 50 -gold plated springs available on special order	PC835-***X****
Dual Bantam PCB Jack with Auxiliary Transfer Switches -horizontal mounting design -dust cover -black -quantities in multiples of 25 -gold plated springs available on special order	
1 normally open contact, 1 normally closed contact	PC885
2 normally open contacts	PC886JC

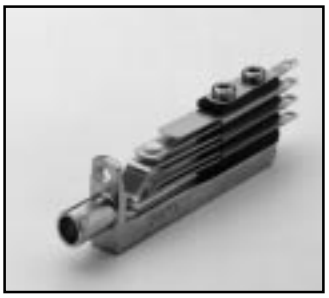
*When ordering, replace X with standard color choice: black, blue, red, or white.

Single Bantam Jacks
Three Conductor

Single jacks are available in a wide range of two and three conductor types, with isolated or normalling contacts, solder or wire-wrapped terminals. All loose jacks are supplied with jack mounting screws.

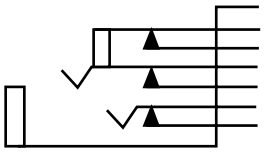
PJ805
PJ805W

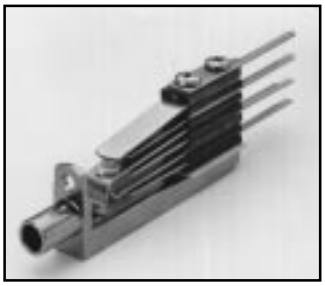




Three conductor rear mount Bantam jack with **1 normally open** and **2 normally closed** contacts. These jacks will extend beyond the periphery of a PJ731 panel (see page 62).

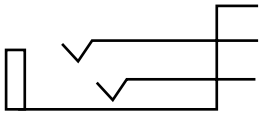
PJ824
PJ824W





Three conductor rear mount Bantam jack with **3 normally closed** contacts. These jacks will extend beyond the periphery of a PJ731 panel (see page 62).

PJ838
PJ838W



Three conductor rear mount Bantam jack with **no contacts.**

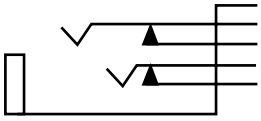
Ordering information follows on next page.

Specifications are found on page 84.

Single Bantam Jacks

Three Conductor

PJ839
PJ839W



Three conductor rear mount Bantam jack with **2 normally closed** contacts.

Ordering Information			
Description	**Terminal Type**	**Maximum Stack Height**	**Catalog Number**
Three Conductor Rear Mount Bantam Jacks			
with 1 normally open and 2 normally closed contacts	Solder Wire-wrap	.754" (19.15 mm) .814" (20.68 mm)	PJ805 PJ805W
with 3 normally closed contacts	Solder Wire-wrap	.756" (19.20 mm) .750" (19.05 mm)	PJ824 PJ824W
with no contacts	Solder Wire-wrap	.605" (15.37 mm .726" (18.44 mm)	PJ838 PJ838W
with 2 normally closed contacts	Solder Wire-wrap	.602" (15.29 mm .675" (17.15 mm)	PJ839 PJ839W

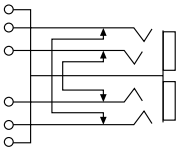
*Note: ADC offers two conductor Bantam jacks upon request.

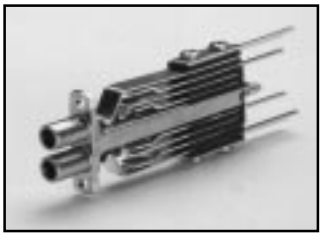
Specifications are found on page 84.

Back-to-Back Bantam Jacks

ADC's Back-to-Back Bantam jacks offer standard normal through circuit (line-drop) pre-strapped in production to save time in the installation of your custom jackfield. Back-to-back Bantam jacks are available with solder or wire-wrap terminals. A one-piece die-cast frame on the PJ889W offers added strength and consistency to aid in the assembly process. Specifications are on pages 85-86.

PJ889
PJ889W





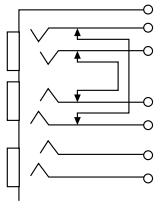
Three conductor Back-to-Back Bantam rear mount jack with **4 normally closed** contacts.

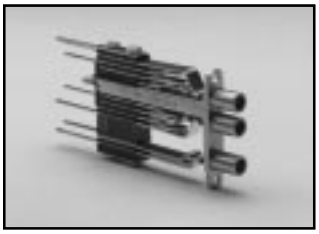
Ordering Information		
Terminal Type	**Maximum Stack Height**	**Catalog Number**
Solder Wire-wrap	1.062" (26.97 mm) 1.187" (30.15 mm)	PJ889 PJ889W

2+1 Bantam Jacks

2+1 Bantam jacks permit tripling of the patching density of a 1.70" (43.18 mm) wide panel. Up to (48) 2+1 Bantam jacks can be mounted on a 1.70" (43.18 mm) x 19" (482.60 mm) panel. The design features (3) three conductor jacks on a single frame. Two of the jacks have normal through straps on both tip and ring springs to simplify wiring. The jacks function as line, drop and monitor jacks and are ideally suited for 4-wire VF or data circuit applications. 2+1 Bantam jacks are available with solder or wire-wrap terminals. A one piece die-cast frame on the PJ831W offers added strength and consistency to aid in the assembly process. Specifications are on pages 85-86.

PJ831
PJ831W





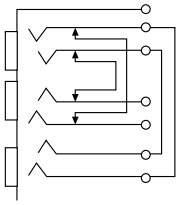
Three conductor 2+1 Bantam rear mount jack with **4 normally closed** contacts.

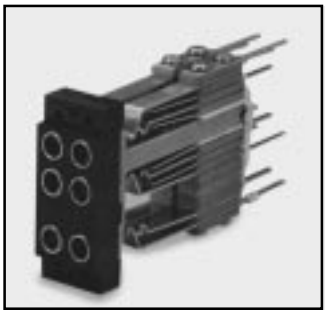
Ordering Information		
Terminal Type	**Maximum Stack Height**	**Catalog Number**
Solder Wire-wrap	1.531" (38.89 mm) 1.625" (41.27 mm)	PJ831 PJ831W

NOTE: Military approved model - PJ831WM (wire-wrap).

2+1 Bantam Jack Module

PJ783





The PJ783 module contains (2) PJ831W jacks with tip and ring circuits strapped. Mounting screws included.

Ordering Information	
Description	**Catalog Number**
Bantam 2+1 jack module	PJ783

Specifications are found on page 86.

Three Conductor Plugs

Repairable Bantam plugs are manufactured of brass with nylon insulation for extended life, then profiled for accuracy. Available in red or black, the plugs are supplied with 1 shell, 2 lugs, 1 shell mounting screw and 2 lug attachment screws.

Single
PJ777R
PJ777B

Three conductor single Bantam attachable plug; (2) lugs, shell mounting screw and (2) lug attachment screws are supplied.

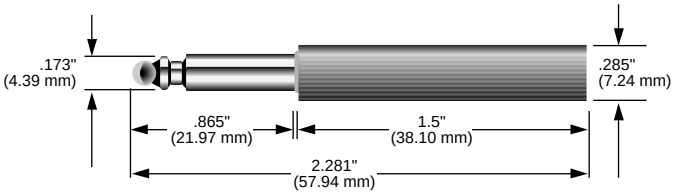
Dual
PJ778R
PJ778B

Three conductor dual Bantam attachable plug; (4) lugs, (2) shell mounting screws and (4) lug attachment screws are supplied.

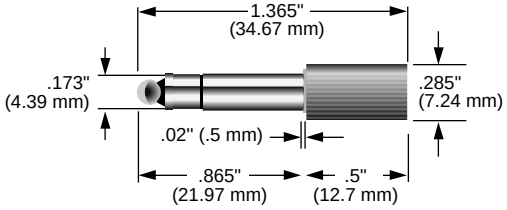
Ordering Information	
Description	**Catalog Number**
Three conductor plug	
Single	
Red	PJ777R
Black	PJ777B
Dual	
Red	PJ778R
Black	PJ778B

Specifications are found on page 87.

Terminating Plugs



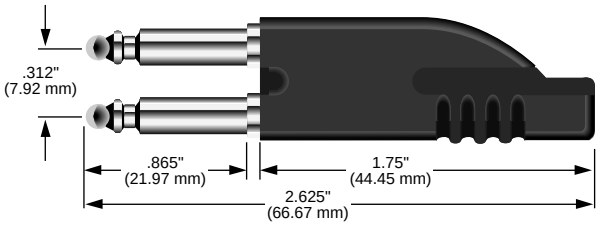
Terminating Plug



Short Profile Terminating Plug

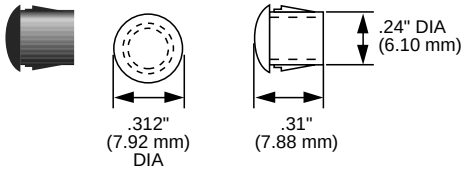
The Bantam terminating plug is used to terminate a circuit with a specific load. It has a built-in .5 watt ± 1% resistor. The plug shell is marked with the resistance value. Other resistance values available on special order.

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.

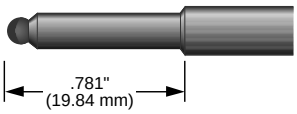
Hole Plugs



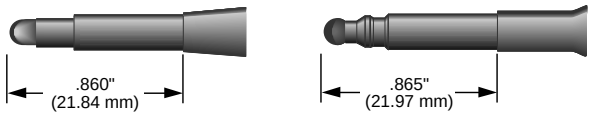
The hole plug is used to fill unused jack positions in inserts or to complete a panel when jacks are to be added at a later date.

Dummy Plugs

Two Conductor



Three Conductor

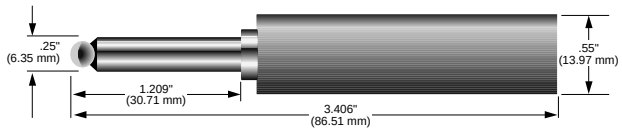


When dummy plugs are inserted into jack circuits, they actuate the circuit contacts but do not carry a signal.

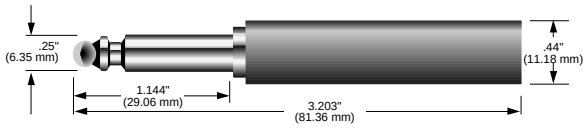
Ordering information begins on page 20.

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 accept either two conductor or three conductor Bantam plugs.



Two Conductor Conversion Plug



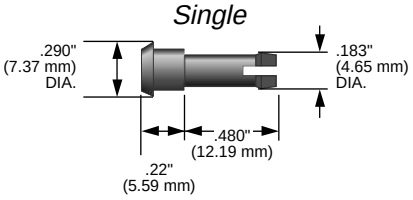
Three Conductor Conversion Plug

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 (1.75" [4.45 mm] diameter) jacks.

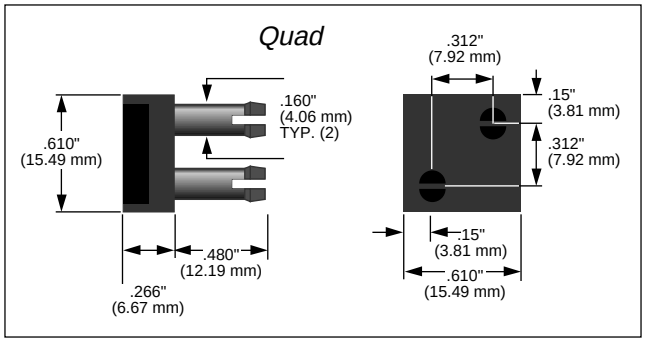
The PJ925 single circuit guard can be used singly or in conjunction with the quad circuit guard to identify critical circuits for test technicians. **The PJ925 circuit guard plugs can be marked with up to 4 letters for better identification in critical applications.**

Single



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.

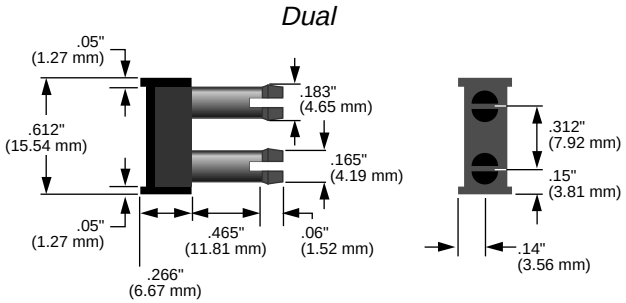
Quad



The dual circuit guard features individual circuit designation card and plastic window. **The dual circuit guard is offered in kits of 25 pieces.**

Contact ADC at 1-800-366-3891 for more information.

Dual



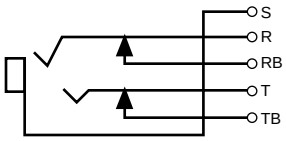
Ordering information follows on next page.

Bantam Plugs
Ordering Information

Ordering Information	
Description	**Catalog Number**
Terminating Plugs	
100 Ω (actual resistor value: 100 Ω, 1%)	PJ800
120 Ω (actual resistor value: 120 Ω, 1%) Green	PJ804
120 Ω (actual resistor value: 120 Ω, 1%) Red	PJ806
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
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
Conversion Plugs	
Rear of Longframe (310) plug is modified to accept two conductor Bantam plug	AP047
Rear of Longframe (310) plug is modified to accept three conductor Bantam plug	AP051
Nickel plated body version	AP051-N
Circuit Guard Plugs	
Single Plugs – sold individually	
Red	PJ925R
White	PJ925W
Black	PJ925B
Single Plugs – sold in kits of 500	
Red w/911 markings	PJ925R-911
Blue w/SS7 markings	PJ925BL-SS7
Yellow w/BITS markings	PJ925Y-BITS
Quad Plugs – sold individually	
Red	PJ926R
White	PJ926W
Black	PJ926B
Dual Plug Kits – sold in kits of 25	
Red	PLG-100051
Black	PLG-100050
White	PLG-100052

Specifications are on pages 87-89.

Longframe Printed Circuit Board Jacks



Printed Circuit Board (PCB) jacks are designed to mount on printed circuit boards wherever access points are required. Plug insertion into the normally through configured jack permits splitting and isolating of the signal for testing and monitoring. Dust covers are available. Circuit patching is possible with conventional patch cords.

Ordering Information	
Description	**Catalog Number**
Single Longframe PCB Jacks -horizontal mounting design -mounts on .625" (15.875 mm) centers to accommodate standard dual plugs in 4-wire applications -features normal through tip/ring circuits -available in **black** only	PC388J
with dust cover	PC388JC
Optional dust cover for PC388J Longframe PCB jack	PC388C
Optional mounting screw	S-440PC

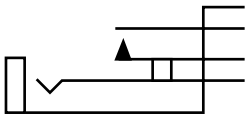
Specifications are found on pages 92-93.

Single Longframe Jacks

Two Conductor

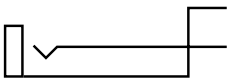
Designed to meet the rugged, exacting requirements of military applications, these ADC jacks are made in accordance with MIL-J-641E specifications.

PJ115
PJ115W



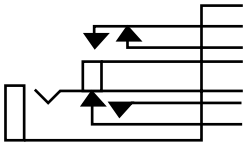
Two conductor (tip and sleeve) single Longframe jack with **1 normally open** isolated contact.

PJ123
PJ123W



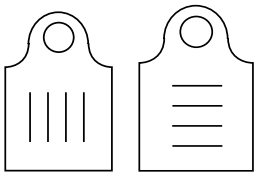
Two conductor single Longframe jack with **no contacts.**

PJ338
PJ338W



Two conductor single Longframe jack with **2 normally open** and **2 normally closed** contacts.

FRAME STYLES



A *C*

The A frame style is used when the jack stack is high and interferes with access to the mounting tab for attachment on the mounting surface.

Ordering Information

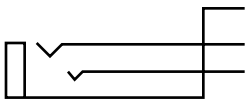
Terminal Type	Frame Style	Stack Height	WECO Equivalent	Catalog Number
Solder	C	.562" (14.28 mm)	WECO 215A	PJ115
Wire-wrap	C	.562" (14.28 mm)		PJ115W
Solder	A	.375" (9.53 mm)	WECO 223A	PJ123
Wire-wrap	A	.375" (9.53 mm)		PJ123W
Solder	C	.687" (17.45 mm)	WECO 438C	PJ338
Wire-wrap	C	.828" (21.03 mm)		PJ338W

For specifications on all Longframe jacks, see page 94.

Single Longframe Jacks

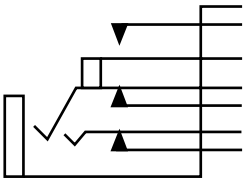
Three Conductor

PJ238
PJ238W



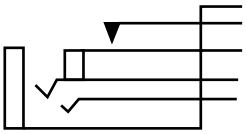
Three conductor (tip and sleeve) single Longframe jack with **no contacts.**

PJ240
PJ240W



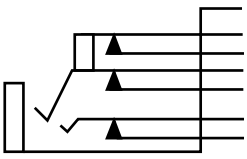
Three conductor single Longframe jack with **2 normally closed** and **1 normally open** contact.

PJ241
PJ241W



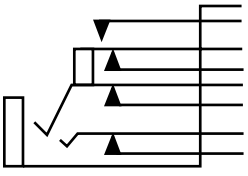
Three conductor single Longframe jack with **1 normally open** contact.

PJ242
PJ242W



Three conductor single Longframe jack with **3 normally closed** contacts.

PJ280



Three conductor with **3 normally closed** and **1 normally open** contact.

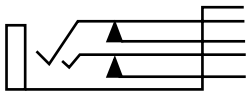
Ordering information follows on the next page.
Specifications are found on page 94.

Single Longframe Jacks

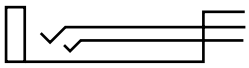
Three Conductor

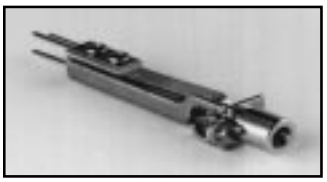
Single jacks are available in a wide range of two and three conductor types, with isolated or normalling contacts, solder or wire-wrapped terminals. All loose jacks are supplied with jack mounting screws.

PJ339
PJ339W



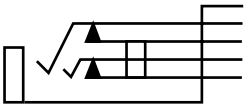
Three conductor single Longframe jack with **2 normally closed** contacts.





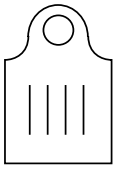
Three conductor single Longframe jack with **no contacts.** Use with plug PJ309 or similar plugs with .207" (5.26 mm) diameter sleeves.

PJ248
PJ248W

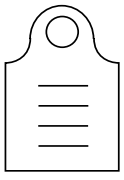


Three conductor single Longframe jack with **2 normally closed** contacts. Use with plug PJ309 or similar plugs with .207" (5.26 mm) diameter sleeves.

FRAME STYLES



A



C

The A frame style is used when the jack stack is high and interferes with access to the mounting tab for attachment on the mounting surface.

Ordering Information

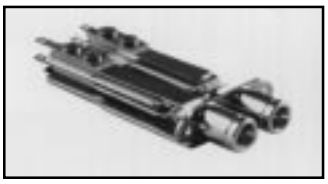
Terminal Type	Frame Style	Stack Height	WECO Equivalent	Catalog Number
Solder	A	.531" (13.49 mm)	WECO 238A	PJ238
Wire-wrap	A	.531" (13.49 mm)		PJ238W
Solder	C	.687" (17.45 mm)	WECO 240C	PJ240
Wire-wrap	C	.781" (19.84 mm)		PJ240W
Solder	A	.593" (15.06 mm)	WECO 241A	PJ241
Wire-wrap	C	.750" (19.05 mm)		PJ241W
Covered frame				
Solder	C	.687" (17.45 mm)	WECO 242C	PJ242
Wire-wrap	C	.687" (17.45 mm)		PJ242W
Solder	C	.687" (17.45 mm)	WECO 280C	PJ280
Solder	A	.531" (13.49 mm)	WECO 239A	PJ339
Wire-wrap	A	.578" (14.68 mm)		PJ339W
Solder-offset lug	A	.531" (13.49 mm)		
Solder	A	.531" (13.49 mm)	WECO 248A	PJ248
Wire-wrap	A	.531" (13.49 mm)		PJ248W

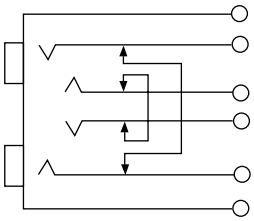
Specifications are found on page 94.

Twin Longframe Jacks

Three Conductor

PJ482
PJ482W





Three conductor twin Longframe jacks with common mounting frame sleeves on .625" (15.87 mm) centers; **4 normally closed** contacts. Use with plug PJ7.

Ordering Information

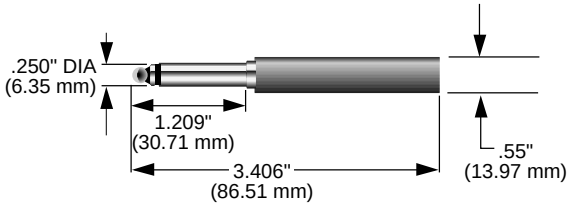
Terminal Type	Stack Height	WECO Equivalent	Catalog Number
Solder	.60" (15.24 mm)	WECO 482A	PJ482
Wire-wrap	.60" (15.24 mm)	WECO 482A	PJ482W

Specifications are found on page 95.

Two Conductor Plugs

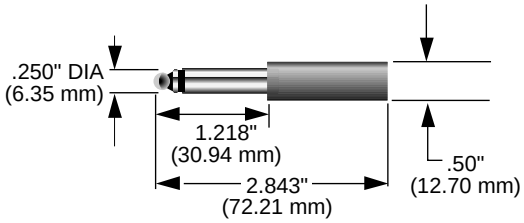
ADC Longframe telephone plugs are constructed with close tolerances using the finest materials. All metal parts are machined brass for dependable conductivity and minimal corrosion. Interconductor insulation is injection molded for complete isolation and dielectric protection. Wire connections are via miniature screw terminals.

Single PJ047R (WE-347) PJ047B



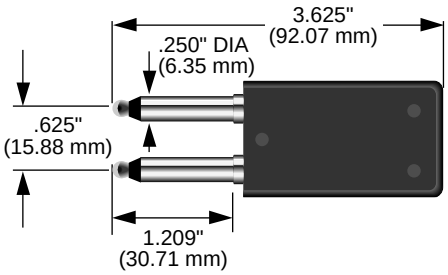
This two conductor (tip and sleeve) single plug is constructed in accordance with MIL-P-642D specifications. Choose from red or black shells. Mates with two conductor jacks and panel assemblies (.250" [6.35 mm] diameter).

Single PJ055R PJ055B



This two conductor single plug fits .250" (6.35 mm) jacks. The PJ055 meets MIL-P-642D specifications. This plug is **not recommended for patching in jack panel assemblies.** For this purpose, use the PJ047.

Dual PJ327 (WE-327)



This two conductor dual plug features independent two conductor plugs **without common sleeve connection.** The self-aligning plugs are on .625" (15.87 mm) nominal centers. Shell is black plastic with polarizing identification. Mates with two conductor jacks. Meets MIL-P-642D (.250" [6.35 mm] diameter).

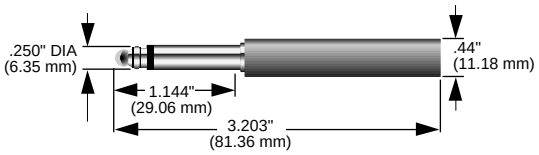
Ordering Information

Description	Catalog Number
Longframe single two conductor plug	
For patching in jack panel assemblies (WE-347)	
Red	PJ047R
Black	PJ047B
Longframe single two conductor plug	
Red	PJ055R
Black	PJ055B
Longframe dual two conductor plug	
Without common sleeve connection (WE-327)	PJ327

Specifications are found on page 96.

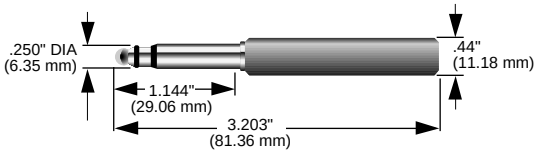
Three Conductor Plugs

Single
PJ051R (WE-310)
PJ051B



Three conductor single plug for .250" (6.35 mm) diameter jacks. Meets MIL-P-642D specifications, (nickel plated version).

Single
PJ310 (WE-310)

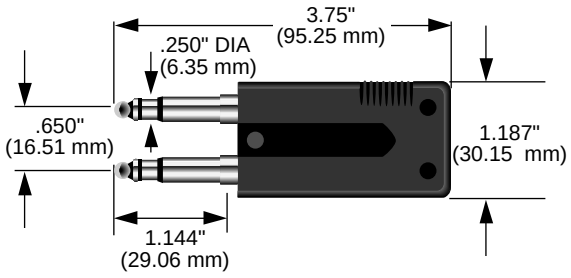


This three conductor single plug incorporates profiled construction and nylon insulation. Functional equivalent of PJ051R.

Ordering Information	
Description	**Catalog Number**
Longframe single three conductor plug	
For patching in jack panel assemblies (WE-310)	
Red	PJ051R
Black	PJ051B
With profiled construction and nylon insulation (WE-310)	PJ310

Specifications are found on page 97.

Dual
PJ7 (WE-425)



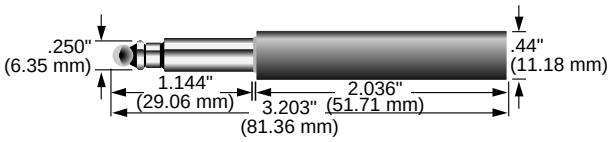
This three conductor dual plug has **no internal interconnections.** The black ABS shell is notched for polarity. Plugs are on .625" (15.87 mm) centers. Mates with three conductor jacks (.250" [6.35 mm] diameter).

Ordering Information	
Description	**Catalog Number**
Longframe dual two conductor plug with no internal interconnections (WE-425)	PJ7

Specifications are found on page 97.

Terminating Plug

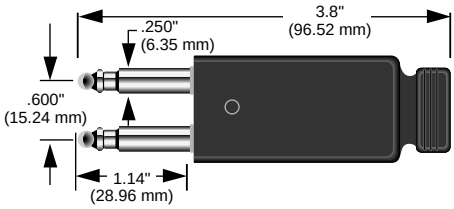
PJ541
PJ542



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 Plug

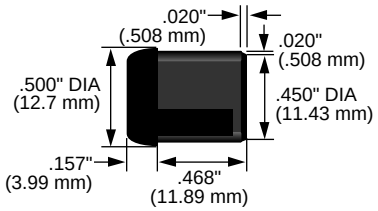
PJ4



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 Plug

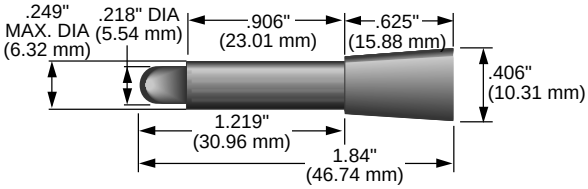
PJ29



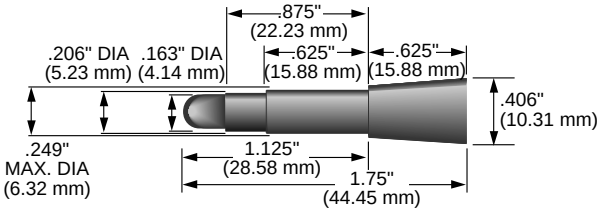
The hole plug is used to fill unused jack positions in inserts or to complete a panel when jacks are to be added at a later date.

Dummy Plugs

PJ265
PJ266
PJ365
PJ366



Longframe Two Conductor Dummy Plug



Longframe Three Conductor Dummy Plug

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.

Ordering information follows on next page.

Longframe Plugs Ordering Information

Ordering Information	
Description	**Catalog Number**
Terminating Plugs	
135 Ω (actual resistor value: 135 Ω, 1%)	PJ541
600 Ω (actual resistor value: 604 Ω, 1%); WECO equivalent: WECO 386-A	PJ542
Looping Plugs	
Three conductor	PJ4
Hole Plugs	
Black	PJ29
Red - Kit of 5000 each	PJ29R
Blue - Kit of 5000 each	PJ29BL
Yellow - Kit of 5000 each	PJ29Y
Dummy Plugs	
Two conductor	
Black	PJ265
Red	PJ266
Three conductor	
Red	PJ365
Black	PJ366

Specifications are found on page 98.

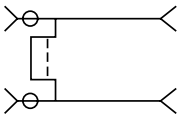
Description

ADC's coaxial jacks are designed for patching (transferring) or accessing (testing) high frequency signals ranging from dc to 3 GHz. Jacks are available in a variety of configurations to accommodate specific cable size, plating and circuit application requirements.

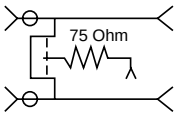
Jacks are available in either standard or midsize (miniature 75 ohm) single or multiposition configurations.

All coaxial jacks are designed to mount in standard panel configurations and are supplied with panel mounting screws. The jacks are fully compatible with all appropriately sized plugs and patch cords unless specifically noted.

Switching Coax Dual Jack
SJ2000X Series



Non-Terminated



Terminated

The SJ2000 series of dual switching coaxial jacks provides a normal through signal path without using looping plugs or patch cords. A plug inserted into either jack port provides a make-before-break type termination of the normal-through circuit. Terminated versions provide a resistive load to either the source or the load side. The jacks can be used at frequencies up to 600 MHz without signal degradation. BNC rear connectors meet the interface dimensions of MIL-C-39012.

Ordering Information

Description	Catalog Number**
.090" pin (2.29 mm)	
BNC rear connector; non-terminated	SJ2000X
BNC rear connector; terminated - 75 ohm	SJ2000X-75

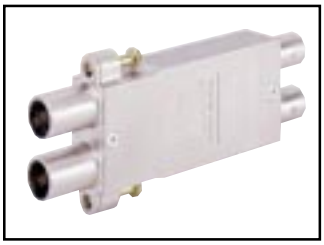
**When ordering replace X with either G (gold plating on all contact surfaces), or N (gold plating only on the center conductor).

Consult ADC Sales (technical assistance) for mating plug information.

Detailed specifications are found on page 103. Reference page 49 for specific cable dimensions and crimp tool information.

Super Video Jacks

Standard Size Dual Self-Normalling Switching Coax Jack (up to 2.4 GHz)

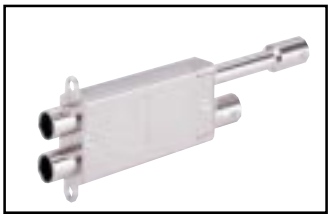


The SVJ-2 series of standard size dual switching coaxial jacks provides a normal through signal path without having to use looping plugs or patch cords. A plug inserted into either jack port breaks the normal path and allows a straight through flow of the signal. The terminated version provides a 75 ohm resistive load to either the source of the load side when in the accessed mode.

The SVJ-2 Super Jacks are designed for high data rate applications up to HDTV, L and lower S band satellite, serial digital video, and all other lower data rate signals. The jacks can be used at frequencies up to 2.4 GHz without signal degradation.

The jacks feature a sealed switch cavity which protects the switching mechanism from dust contamination. Special captive mounting screws will not fall out of the jacks. BNC rear connections feature a closed entry contact system that prevents connector failure when test probes are inserted, or when mating BNC center conductors are out of specification. The front coax ports meet WECO standards, and the rear BNC connectors meet MIL-C-39012.

Midsize Dual Self-normalling Switching Coax Jack (up to 3 GHz)



The MVJ-3 series of midsize dual switching coaxial jacks provides a normal through signal path without having to use looping plugs or patch cords. A plug inserted into either make-before-break jack port breaks the normal path and allows a straight through flow of the signal. The terminated version provides a 75 ohm resistive load to either the source of the load side when in the accessed mode.

The MVJ-3 Midsize Super Jacks are designed for high data rate applications up to HDTV, L and lower S band satellite, serial digital video, and all other lower data rate signals. The jacks can be used at frequencies up to 3.0 GHz without signal degredation. The MVJ-3 provides a "true" 75 ohm impedance in normalled or accessed mode.

The jacks feature a sealed switch cavity which protects the switching mechanism from dust contamination. BNC rear connections feature a closed entry contact system that prevents connector failure when test probes are inserted, or when mating BNC center conductors are out of specification. The front coax ports meet midsize standards, and the rear BNC connectors meet MIL-C-39012.

Ordering Information

Description	Catalog Number**
.090" pin (2.29 mm) Standard Size Super Video Jack	
BNC rear connector; non-terminated; for phenolic panels	SVJ-2-1
BNC rear connector; non-terminated; for molded panels	SVJ-2
BNC rear connector; terminated - 75 ohm; for phenolic panels	SVJ-2T-1
BNC rear connector; terminated - 75 ohm; for molded panels	SVJ-2
Midsize Super Video Jacks	
Super Video Jack, BNC rear connection, non-terminated	MVJ-3
Super Video Jack, BNC rear connection, 75-2 terminated	MVJ-3T

Consult ADC Sales Technical Assistance at 1-800-366-3891, Ext. 3475 for mating plug information.

Midsize Coax Video Jack
Single

CJ3011N

CJ4011N

The CJ3011 and CJ4011 short- and long-body midsize single video jacks feature closed-entry BNC contacts for maximum center conductor force over sustained periods. The connectors are overall nickel-plated with gold-plated center conductors, providing a superior quality with less metal fatigue over time. The jacks provide true 75 Ω impedance. Terminated versions provide a 75 ohm resistive load when in the normal through mode.

Ordering Information

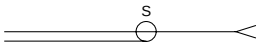
Description	Catalog Number
Midsize Single Video Jacks *(Gold plated center conductor/Nickel finish)*	
Short-body midsize coax video jack	CJ3011N
Short-body midsize terminated coax video jack	CJ3011N-75*
Long-body midsize coax video jack	CJ4011N
Long-body midsize terminated coax video jack	CJ4011N-75*

*Note: CJ3011N-75 and CJ4011N-75 have different mounting hole specifications than standard midsize jacks due to the termination feature. Refer to page 105 for mounting information.

Specifications are found on page 106.

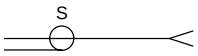
Single Jacks Standard Size

CJ1000X
CJ1017X



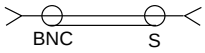
These single jacks feature cable entrances specifically matched to cable diameter. A crimping sleeve is furnished for solderless shield connection. The retaining nut and internal assembly must be removed to make connections.

CJ1010



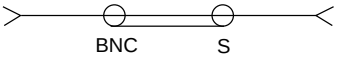
These single jacks' center conductor projects beyond the body with a .062" (1.57 mm) x .34" (8.64 mm) deep hole and a .05" (1.27 mm) hole in the frame for solder connections. No assembly is required to make connections. Similar to WECO 470B. For use with a variety of coaxial cables with a maximum center conductor diameter of .054" (1.37 mm).

CJ1011X



Single jacks with BNC connector on the rear; short body.

CJ2011X



Single jack with BNC connector on the rear; longer length allows it to be used in conjunction with jacks such as the CJ1000 and still allow easy access to the BNC connectors for attachment of cables.

Ordering Information

Description	Pin	Catalog Number*
Single Jacks, Standard Size		
RG59 cable type	.090" (2.29 mm)	CJ1000X
8281 (Belden) cable type	.090" (2.29 mm)	CJ1017X
Similar to WECO 470B	.090" (2.29 mm)	CJ1010X
BNC connector on rear; short body	.090" (2.29 mm)	CJ1011X
BNC connector on rear; long body	.090" (2.29 mm)	CJ2011X

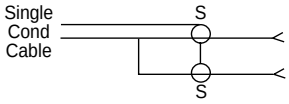
*When ordering, replace X with G (gold plating on all contact surfaces) or N (gold plating only on the center conductor).

Specifications are found on pages 102 and 111.

Multiposition Jacks

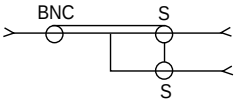
Standard Size

CJ1303X



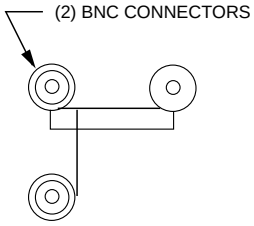
Dual paralleling jack with single cable entry for crimp connection. Factory wiring allows one side of jack to be used as monitoring point.

CJ1014X



Dual paralleling jack with internal connections to facilitate one side being used as a monitoring point. A BNC connector provides cable attachment to the rear. Can be rotated to mount vertically or horizontally.

CJ2065X



This jack is to be utilized as an in-and-out with a third jack to permit monitoring without circuit interruption. A looping plug is used to complete the circuit through the in-and-out jacks. BNC connectors on the rear.

Ordering Information

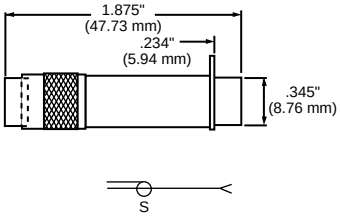
Representative Cable Type	Pin	Catalog Number*
RG59	.090" (2.29 mm)	CJ1303X
---	.090" (2.29 mm)	CJ1014X
---	.090" (2.29 mm)	CJ2065X

*When ordering, replace X with G (gold plating on all contact surfaces) or N (gold plating only on the center conductor).

Specifications are found on page 111.

Midsize Jacks

CJ1512X

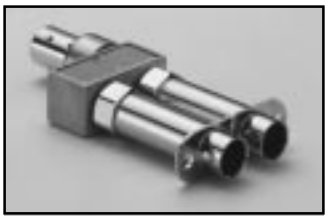


Single jack similar to WECO 560A miniature jack. A crimping sleeve is included with each crimp style jack.

Ordering Information		
Representative Cable Type	**Connection Type**	**Catalog Number***
RG187	Clamp	CJ1512X

*When ordering, replace X with G (gold plating on all contact surfaces) or N (gold plating only on the center conductor).

JCK-100002



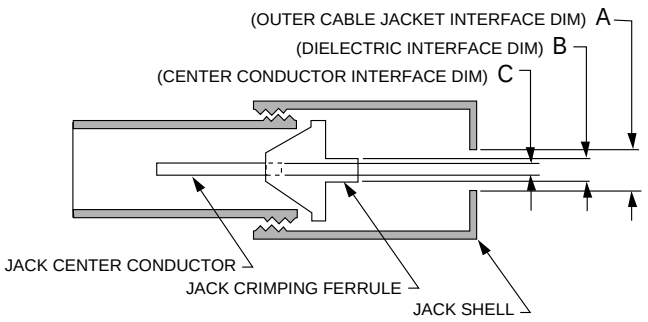
Single midsize jack to BNC panel mount jack.

Ordering Information	
Jack	**Catalog Number**
With monitor	JCK-100002

Specifications are found on pages 105 and 112.

Jack Cable Dimensions and Crimp Tools

Ordering Information



Ordering Information

Jack	OUTER JACKET A		DIELECTRIC B		CENTER CONDUCTOR C		Crimp Tool**
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	
Standard Size							
CJ1000X	.262	.252	.156	.152	.045	.031	WT-412
CJ1010X†	---	---	---	.196	.046	.040	Not Required
CJ1011X*			NA	--	.067	.057	
CJ1014X*			NA				
CJ1017X	.374	.358	.208	.204		.031	WT-415
CJ1303X	---	---	.154	.150	.046	.040	
SJ2000X Series*			.106	.102	.046	.040	WT-411
CJ2065X*							
CJ2011*							
Midsize							
CJ1512X	.118	.108	.072	.066	.038	.034	Not Required
CJ1512X Crimp	.192	.182	.068	.064	.038	.034	WT-400

*Standard BNC interface dimensions per MIL-C-39012
**Unless otherwise stated, crimp tools may be obtained from Thomas and Betts.
†Center conductor projects beyond body. No assembly required to make connections.

Switching Coax Panel Assemblies

Switching coax panel assemblies consist of standard panels factory loaded with dual switching coax jacks. Please consult the factory for your specific jack panel configurations.

Ordering Information

Number of Jacks	Types of Jacks	Types of Panel	Panel Construction	Rack Spaces
16	SJ2000N	DP216	Phenolic With Rack Ears	1
16	SJ2000N-75 75Ω Terminated	DP216	Phenolic With Rack Ears	1
24	SJ2000N	PPI1224RS	Full Aluminum Face With Phenolic Back	1
24	SJ2000N-75 75Ω Terminated	PP1I224RS	Full Aluminum Face With Phenolic Back	1
24	SVJ-2	PPI1224RS	Full Aluminum Face With Phenolic Back	1
24	SVJ-2T 75Ω Terminated	PPI1224RS	Full Aluminum Face With Phenolic Back	1
24	SJ2000N	PPI1224RS	Full Aluminum Face Molded ABS Back	2
24	SJ2000N-75 75Ω Terminated	PPI1224RS	Full Aluminum Face Molded ABS Back	2
24	SVJ-2	PPI1224RS	Full Aluminum Face Molded ABS Back	2
24	SVJ-2T 75Ω Terminated	PPI1224RS	Full Aluminum Face Molded ABS Back	2
26	SJ2000N	PJ30	Phenolic With Rack Ears	1
26	SJ2000N-75 75Ω Terminated	PJ30	Phenolic With Rack Ears	1
26	SJ2000N	PPI1226RS	Full Aluminum Face With Phenolic Back	1
26	SJ2000N-75 75Ω Terminated	PPI1226RS	Full Aluminum Face With Phenolic Back	1
26	SVJ-2	PPI1226RS	Full Aluminum Face With Phenolic Back	1
26	SVJ-2T 75Ω Terminated	PPI1226RS	Full Aluminum Face With Phenolic Back	1
26	SJ2000N	PPI1226RS	Full Aluminum Face Molded ABS Back	2
26	SJ2000N-75 75Ω Terminated	PPI1226RS	Full Aluminum Face Molded ABS Back	2
26	SVJ-2	PPI1226RS	Full Aluminum Face Molded ABS Back	2
26	SVJ-2T 75Ω Terminated	PPI1226RS	Full Aluminum Face Molded ABS Back	2

Panel Assemblies – Coaxial

	Available Panel Colors	Jack Spacing (Height x Width)	Designation Strip Size	Panel Dimensions (Height x Width)	Catalog Number
	Black	.625" x 1.05" (1.59 x 2.67 cm)	.225" x 17.00" (.647 x 43.18 cm)	1.75" x 19" (4.45 x 48.26 cm)	DP216
	Black	.625" x 1.05" (1.59 x 2.67 cm)	.225" x 17.00" (.647 x 43.18 cm)	1.75" x 19" (4.45 x 48.26 cm)	DP216-75N
	Gray, Black	.625" x .625" (1.59 x 1.59 cm)	.225" x 16.00" (.647 x 40.64 cm)	1.75" x 19" (4.45 x 48.26 cm)	PPI1224RS-N
	Gray, Black	.625" x .625" (1.59 x 1.59 cm)	.225" x 16.00" (.647 x 40.64 cm)	1.75" x 19" (4.45 x 48.26 cm)	PPI1224RS-75N
	Gray, Black	.625" x .625" (1.59 x 1.59 cm)	.225" x 16.00" (.647 x 40.64 cm)	1.75" x 19" (4.45 x 48.26 cm)	PPI1224RS-SVJ
	Gray, Black	.625" x .625" (1.59 x 1.59 cm)	.225" x 16.00" (.647 x 40.64 cm)	1.75" x 19" (4.45 x 48.26 cm)	PPI1224RS-SVJT
	Gray, Black	.625" x .625" (1.59 x 1.59 cm)	.60" x 16.50" (1.52 x 41.9 cm)	3.5" x 19" (8.89 x 48.26 cm)	PPI2224RS-N
	Gray, Black	.625" x .625" (1.59 x 1.59 cm)	.60" x 16.50" (1.52 x 41.9 cm)	3.5" x 19" (8.89 x 48.26 cm)	PPI2224RS-75N
	Gray, Black	.625" x .625" (1.59 x 1.59 cm)	.60" x 16.50" (1.52 x 41.9 cm)	3.5" x 19" (8.89 x 48.26 cm)	PPI2224RS-SVJ
	Gray, Black	.625" x .625" (1.59 x 1.59 cm)	.60" x 16.50" (1.52 x 41.9 cm)	3.5" x 19" (8.89 x 48.26 cm)	PPI2224RS-SVJT
	Black	.625" x .625" (1.59 x 1.59 cm)	.225" x 17.00" (.647 x 43.18 cm)	1.75" x 19" (4.45 x 48.26 cm)	PJ-30N
	Black	.625" x .625" (1.59 x 1.59 cm)	.225" x 17.00" (.647 x 43.18 cm)	1.75" x 19" (4.45 x 48.26 cm)	PJ-30-75N
	Gray, Black	.625" x .625" (1.59 x 1.59 cm)	.225" x 17.44" (.647 x 44.30 cm)	1.75" x 19" (4.45 x 48.26 cm)	PPI1226RS-N
	Gray, Black	.625" x .625" (1.59 x 1.59 cm)	.225" x 17.44" (.647 x 44.30 cm)	1.75" x 19" (4.45 x 48.26 cm)	PPI1226RS-75N
	Gray, Black	.625" x .625" (1.59 x 1.59 cm)	.225" x 17.44" (.647 x 44.30 cm)	1.75" x 19" (4.45 x 48.26 cm)	PPI1226RS-SVJ
	Gray, Black	.625" x .625" (1.59 x 1.59 cm)	.225" x 17.44" (.647 x 44.30 cm)	1.75" x 19" (4.45 x 48.26 cm)	PPI1226RS-SVJT
	Gray, Black	.625" x .625" (1.59 x 1.59 cm)	.60" x 16.50" (1.52 x 41.9 cm)	3.5" x 19" (8.89 x 48.26 cm)	PPI2226RS-N
	Gray, Black	.625" x .625" (1.59 x 1.59 cm)	.60" x 16.50" (1.52 x 41.9 cm)	3.5" x 19" (8.89 x 48.26 cm)	PPI2226RS-75N
	Gray, Black	.625" x .625" (1.59 x 1.59 cm)	.60" x 16.50" (1.52 x 41.9 cm)	3.5" x 19" (8.89 x 48.26 cm)	PPI2226RS-SVJ
	Gray, Black	.625" x .625" (1.59 x 1.59 cm)	.60" x 16.50" (1.52 x 41.9 cm)	3.5" x 19" (8.89 x 48.26 cm)	PPI2226RS-SVJT

Coax Video Panel

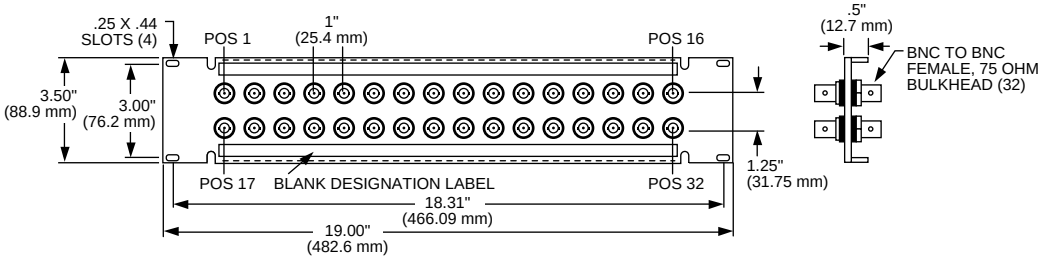
The ultra compact size of midsize jacks allows 32 jacks in one standard 19" panel. Each ADC ProPatch™ video panel features a rigid welded steel rack mount chassis with milled and drilled phenolic jack panel insert. A special adjustable rear cable support bar is provided with holes for tie wraps to keep coaxial cables in place. Unlike all phenolic panels, the welded panel construction prevents the rack mounting ears from breaking off during handling or while used in mobile applications.

Ordering Information

Description	Designation Strip Size	Type of Jack	Type of Panel	Catalog Number
Welded steel frame, Phenolic insert, 32 Jacks, 1 Rack space, gray, black or putty Jack Spacing: .500" x .520" (1.27 x 1.32 cm), Panel Dimension: 1.75" x 19" (4.45 x 48.26 cm)	.343" X 16.00" (.871 X 40.64 cm)	CJ3011 CJ4011	PPI1232RS	PPI1232RS-CJMID
		MVJ-3	PPI1232RS	PPI1232RS-MVJ
		MVJ-3T	PPI1232RS	PPI1232RS-MVJT
Welded steel frame, Phenolic insert, 32 Jacks, 2 Rack space, gray or black Jack Spacing: .500" x .520" (1.27 x 1.32 cm), Panel Dimension: 3.5" x 19" (8.89 x 48.26 cm)	.60" x 16.50" (1.52 x 41.91 cm)	CJ3011 CJ4011	PPI2232RS	PPI2232RS-CJMID
		CJ3011N-75 CJ4011N-75	PPI2232RST	PPI2232RS-CJMID-T
		MVJ-3	PPI2232RS	PPI2232RS-MVJ
		MVJ-3T	PPI2232RS	PPI2232RS-MVJT

BNC Bulkhead Panel

Panels feature bulkhead, jack-to-jack connectors for termination on the front and rear of the panel. The panels are constructed of sturdy gray enameled aluminum.



Ordering Information

Description	Horizontal Spacing	Vertical Spacing	Dimensions (Height, Width)	Catalog Number*
12-circuit panel	3.00" (7.62 cm)	1.25" (3.18 cm)	3.5" x 19" (8.89 x 48.26 cm)	BNC-BLK-12
16-circuit panel	2.14" (5.44 cm)	1.25" (3.18 cm)	3.5" x 19" (8.89 x 48.26 cm)	BNC-BLK-16
24-circuit panel	1.35" (3.43 cm)	1.25" (3.18 cm)	3.5" x 19" (8.89 x 48.26 cm)	BNC-BLK-24
32-circuit panel	1.00" (2.54 cm)	1.25" (3.18 cm)	3.5" x 19" (8.89 x 48.26 cm)	BNC-BLK-32

*For models with cable trays, add TR to end of catalog number.

Description

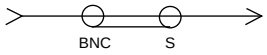
ADC standard and midsize plugs are available in a variety of configurations and are fully compatible with ADC's standard and midsize coaxial jacks (unless otherwise noted).

Standard size plugs are available with .090" (2.29 mm) or .070" (1.78 mm) center conductors. Standard size single plugs are made with standard wrench fittings for easy assembly and include a unique cable strain relief clamp.

Single plugs, terminating plugs with built-in resistor and capacitor and a selection of looping plugs with or without monitoring are available. Plugs will accommodate a variety of cable sizes and may be ordered in gold or nickel plating finishes.

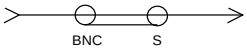
Plugs
Standard Size

Conversion Plug CP1051X



Single plug for accessing via a BNC type connector.

Conversion Plug CP1051MX



Single plug for monitoring via BNC type connector. Center pin extends beyond the front barrel of the connector.

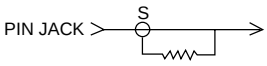
Ordering Information	
Pin	**Catalog Number***
.090" (2.29 mm) .090" (2.29 mm)	CP1051X CP1051MX

*When ordering, replace X with G (gold plating on all contact surfaces), or N (gold plating only on the center conductor).

Specifications are found on pages 107 and 113. Reference page 49 for specific cable dimensions.

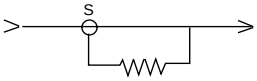
Standard Size

Single Terminating Plug
CP1047X



Single terminating plug containing a 75 ohm resistor between outer and center conductor. This plug also features a monitor pin bypassing the resistor to the center conductor.

Single Terminating Plug
CP1900



Terminating plug with 75 ohm resistor between the outer and center conductor.

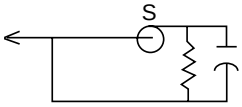
Ordering Information		
Description	**Pin**	**Catalog Number***
Single Terminating Plugs		
75 ohm resistor; monitor pin, bypassing resistor	.090" (2.29 mm)	CP1047X
75 ohm resistor	.090" (2.29 mm)	CP1900

*When ordering, replace X with G (gold plating on all contact surfaces) or G (gold plating only on the center conductor).

Specifications are found on pages 107 and 113.

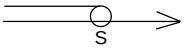
Single Plugs Standard Size

CP1040X



Single plug containing a 30 mm capacitor and a 75 ohm resistor between the outer and center conductor. Similar to WECO 340C plug.

CP1041X
CP1048X
CP1141X



Single plug with a cable jack strain relief and crimp solderless connections. Nickel plated plug jacket has two flats for wrench fitting to attach to the outer conductor. Similar to WECO 358A plug.

PGS-100016

Single plug compatible with 734 cable.

PGS-100017

Single plug compatible with 735A cable.

Ordering Information

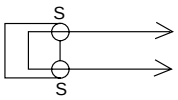
Representative Cable Type	Pin	Catalog Number*
----	.090" (2.29 mm)	CP1040X
RG59	.090" (2.29 mm)	CP1041X
8281 (Belden) and 728 (WECO)	.090" (2.29 mm)	CP1048X
RG59	.070" (1.78 mm)	CP1141X
734 cable compatible	.090" (2.29 mm)	PGS-100016
735A cable compatible	.090" (2.29 mm)	PGS-100017

*When ordering, replace X with G (gold plating on all contact surfaces) or N (gold plating only on the center conductor).

Specifications are found on pages 107, 113 and 114.

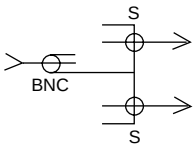
Dual Plugs Standard Size

CP1042X
CP1142N



Dual plug with conductors on .625" (15.87 mm) centers. Internal shield connections feature crimp type solderless connections. The handle is ABS black plastic. Similar to WECO 372A plug.

CP2001



Dual plug with conductors on .625" (15.87 mm) centers. Provides BNC connector on rear for monitoring. Metalized shell is conductive material.

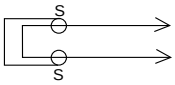
Ordering Information		
Description	**Pin**	**Catalog Number***
Dual Plugs		
ABS black handle	.090" (2.29 mm) .070" (1.78 mm)	CP1042X CP1142N
metalized shell	.090" (2.29 mm)	CP2001

*When ordering, replace X with G (gold plating on all contact surfaces) or N (gold plating only on the center conductor).

Specifications are found on pages 107 and 114.

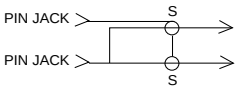
Dual Plugs Standard Size

CP1063X



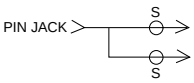
Dual plug. Special finger grip provides easy access when several looping plugs are used adjacent to each other. Indented portion of grip allows for colored contact tape to designate critical circuits.

CP1043X



Dual plug. Monitor points for center and outer conductors are on the rear of the handle.

CP1090X



Dual looping plug for monitoring via a single pin jack on the rear of the connector.

Ordering Information

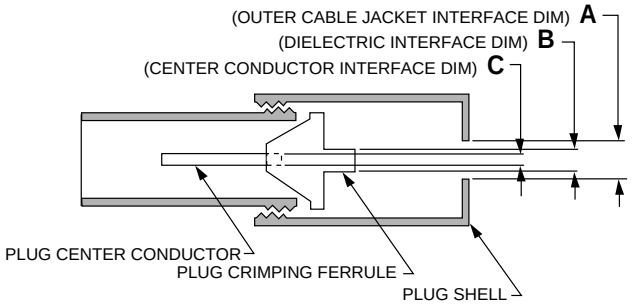
Description	Pin	Catalog Number*
Dual Plugs		
finger grip	.090" (2.29 mm)	CP1063X
rear monitor points	.090" (2.29 mm)	CP1043X
rear pin jack	.090" (2.29 mm)	CP1090X

*When ordering, replace X with G (gold plating on all contact surfaces) or N (gold plating only on the center conductor).

Specifications are found on pages 107, 114 and 115.

Plug Cable Dimensions and Crimp Tools

Ordering Information



Standard Size Plug

Ordering Information

Standard Size Plug	OUTER JACKET A		DIELECTRIC B		CENTER CONDUCTOR C		*Crimp Tool
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	
CP1040X¥			NA				
CP1041X*	.262	.252	.156	.152	.045	.035	WT-412
CP1042X§			NA				
CP1043X*			NA				
CP1047X*			NA				
CP1048X	.328	.318	.208	.204	.045	.035	WT-415
CP1051X**			NA				
CP1051MX**			NA				
CP1063X§			NA				
CP1064X§			NA				
CP1090X*			NA				
CP1140X¥			NA				
CP1141X**	.262	.252	.156	.152	.045	.035	WT-412
CP1142X§			NA				
CP1143X*			NA				
CP1147X*			NA				
CP1148X	.328	.318	.208	.204	.045	.035	WT-415
CP1900X¥			NA				
CP2001X**			NA				

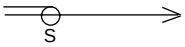
* Pin jacks on rear
§Looping Plug
¥Terminating Plug

*Crimp Tool may be purchased from Thomas & Betts

Single Plugs Midsize

CP1540X
CP1541X
CP1542X

Single plug, similar to WECO 440A plug. A crimping sleeve is included with each crimp style plug.



Ordering Information		
Representative Cable Type	**Connection Type**	**Catalog Number***
RG59	Clamp	CP1540X
21-597 (Essex)	Clamp	CP1541X
RG187	Clamp	CP1542X
RG59	Crimp	CP1540X Crimp
21-597 (Essex)	Crimp	CP1541X Crimp
RG187	Crimp	CP1542X Crimp

*When ordering, replace X with G (gold plating on all contact surfaces) or N (gold plating only on the center conductor).

Reference page 49 for specific cable dimensions.

PGS-100018

Single plug compatible with 735 diameter cable.

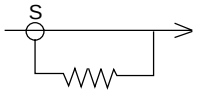
Ordering Information		
Description	**Pin**	**Catalog Number**
Single plug; 735 cable compatible	.048" (1.22 mm) nickel	PGS-100018

Specifications are found on pages 108 and 115.

Reference page 49 for specific cable dimensions.

Single Plugs Midsize

Single Terminating Plug
CP1501X

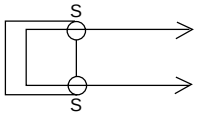


Ordering Information	
Description	**Catalog Number***
Single terminating plug with 75Ω resistor between outer and center conductor; .048" (1.22 mm) pin	CP1501X

*When ordering, replace X with G (gold plating on all contact surfaces) or N (gold plating only on the center conductor).

Reference page 49 for specific cable dimensions.

Dual Looping Plug
CP1500X



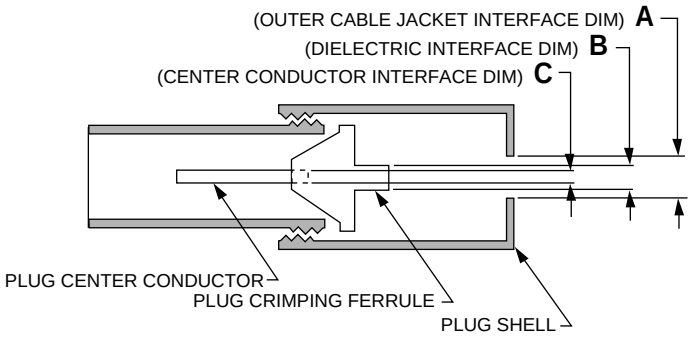
Ordering Information	
Description	**Catalog Number***
Dual looping plug; .048" (1.22 mm) pin	CP1500X

*When ordering, replace X with G (gold plating on all contact surfaces) or N (gold plating only on the center conductor).

Specifications are found on pages 108 and 115.

Plug Cable Dimensions and Crimp Tools

Ordering Information



Midsize Plug

Ordering Information

Midsize Plug	OUTER JACKET A		DIELECTRIC B		CENTER CONDUCTOR C		*Crimp Tool
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	
CP1500X§			NA				
CP1501X¥			NA				
CP1540X	.255	.249	.157	.151	.039	.034	Not Required
CP1540X Crimp	.317	.307	.157	.151	.039	.034	WT-411
CP1541X	.170	.160	.111	.105	.039	.034	Not Required
CP1541X Crimp	.255	.245	.109	.107	.039	.034	WT-402 and WT-1540
CP1542X	.118	.108	.072	.066	.039	.034	650625
CP1542X Crimp	.192	.182	.068	.064	.039	.034	WT-400

§Looping Plug
¥Terminating Plug

*Crimp Tool may be purchased from Thomas & Betts

Coaxial Circuit Guard Plugs

Handle Style

Handle or flat style extraction circuit guard plugs snap-fit into coax jacks, but do not actuate the circuit. These plugs block entry to critical circuits appearing on coax jacks. Coax circuit guard plugs are available in standard or midsize. **Packaged in kits of 25.**

Ordering Information	
Description	**Catalog Number**
Standard Size	
.375" diameter interface	
Black	CJP-S-Black
Red	CJP-S-Red
Blue	CJP-S-Blue
Green	CJP-S-Green
Yellow	CJP-S-Yellow
White	CJP-S-White
Midsize	
.298" diameter interface	
Black	CJP-M-Black
Red	CJP-M-Red
Blue	CJP-M-Blue
Green	CJP-M-Green
Yellow	CJP-M-Yellow
White	CJP-M-White

Flat Style

Ordering Information	
Description	**Catalog Number**
Standard Size	
.375" diameter interface	
Black	CJP-S-Flat-BK
Red	CJP-S-Flat-R
Blue	CJP-S-Flat-BL
Green	CJP-S-Flat-G
Yellow	CJP-S-Flat-Y
White	CJP-S-Flat-W
Midsize	
.298" diameter interface	
Black	CJP-M-Flat-BK
Red	CJP-M-Flat-R
Blue	CJP-M-Flat-BL
Green	CJP-M-Flat-G
Yellow	CJP-M-Flat-Y
White	CJP-M-Flat-W

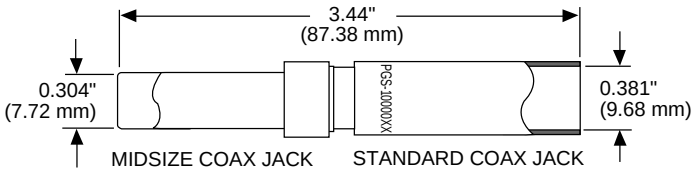
Specialty Conversion Connectors

These specialty coaxial patching and access products have been developed for Central Office Maintenance personnel and Outside Plant Engineering staffs.

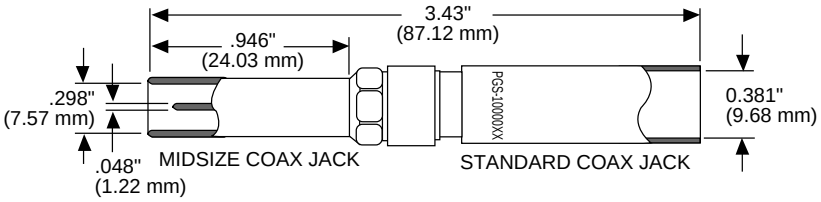
These connectors offer convenient interconnection between standard and midsize coaxial products.

CAXADPT-1

CAXADPT-2



CAXADPT-3



Ordering Information	
Description	**Catalog Number**
Single midsize coax jack to standard coax jack	CAXADPT-1
Single midsize coax plug to standard coax jack	CAXADPT-2
Single midsize coax jack to standard coax plug	CAXADPT-3

Straight TNC Connectors

TNC-735

- Improved performance; **true** 75 Ω characteristic impedance through connector, not just interface
- Easier, more reliable termination; gold-plated locking (not captive) center conductor ensures proper alignment during termination. Prevents damage during test or mating plug termination
- Improved bandwidth performance to 3 GHz
- Compatible with competive right angle and straight crimp tools die sets
- Center conductor pins and crimp sleeves are fully interchangeable with ADC's BNC straight plugs of that cable type
- 100% guided mating
- Sizes for multiple cable types
- Industry compatible interface
- Designed to exceed the rigorous demands of today's network environment

	Connector Catalog Number			
	TNC-3	**TNC-2**	**TNC-1**	**TNC-4**
Cable type	735A, NT735	RG59, 9209	734, 1505A, 9259, 9100	728, 9231, 8281, 88281
Cable dimensions:				
Outer jack diameter	0.127"	0.241"	0.236"	0.305"
Center conductor	26 AWG	23 AWG	20 AWG	20 AWG
Connector crimp dimensions:				
Sleeve	0.178"	0.255"	0.255"	0.324"
Center pin*	0.042"	0.042"	0.042"	0.042"
Coaxial tools:				
Crimp tool	WT-2	WT-2	WT-2	WT-2
Crimp die set	WD-2	WD-1/WD-2	WD-1/WD-2	WD-1
Assembled stripping tool	STC-13B	STC-12B	STC-12B	STC-11B
Replacement cassette	CCS-BLK	CCS-BLK	CCS-BLK	CCS-BLK
Automatic stripper	BNC-S1	BNC-S1	BNC-S1	BNC-S1
Cutter head for stripper	BNC-H5	BNC-H2	BNC-H2	BNC-H2
BNC removal tool	BT2000	BT2000	BT2000	BT2000

*In addition to the .042" square pin crimp, all connectors listed above are compatible with a 12 point method of crimping or .042 Hex crimp.

Specifications are found on page 120.

Connectors

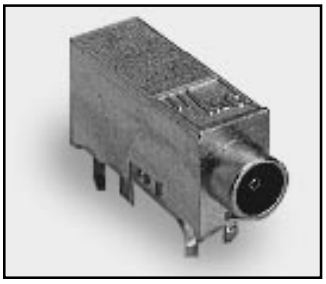
Little Coaxial Connectors

LCC Coaxial Connector (LCC-111012)

Ordering Information	
Description	**Catalog Number**
Single Connectors	
LCC (little coaxial connector) for 735A-type cable	LCC-111012
0222	LCC-111008
RG59	LCC-111016
734	LCC-111010
Kits of (25)	
735A-type LCC coaxial connectors	LCC-111013
0222 connectors	LCC-111009
RG59 connectors	LCC-111017
734 connectors	LCC-111011

Tools for connector termination are available on page 56.

Little Coaxial Jack Connectors



LCJ Coaxial Connector

ADC developed the LCJ product line to address the need for higher densities in coaxial termination products. The LCJ products capitalize, and improve, on proven coaxial connector technologies, similar to SMB. The LCJ connectors feature a quick snap-on, snap-off, true locking design, improving the mating characteristics of miniature coaxial connectors. ADC offers the jack in either a horizontal or vertical PC board mounted design, with 75 ohm or 75/120 ohm design. The jack is also available in a feed-through and panel mount design. The plugs are available individually or in kits of 25.

Ordering Information	
Description	**Catalog Number**
LCJ Connectors	
LCJ PC horizontal mount with Balun 75-120	LCJ-1H120
LCJ PC horizontal without Balun	LCJ-1H75
LCJ PC vertical mount	LCJ-1V
Jack LCJ feedthrough single	LCJ-1FT
Jack LCJ panel mount	LCJ-1PM

Specifications are found on page 110.

Individual Tools

Ordering Information	
Description	**Catalog Number**
Connection tool kit for LCC connectors *Includes:* • Crimp tool (WT-2) • 735A die set (LCA-000015) • Stripping tool with cassette (STC-13G) • Cable termination tray (LCA-000009) • Connector insertion/withdrawal tool (LCA-400001) • Carrying case	LCA-600001
Miscellaneous Tools	
Adjustable cable termination tray for 19" or 23" chassis	LCA-000009
Replacement fixture for cable termination tray	LCA-000007
Wrench kit for LCC connector *Optional; wrenches are provided in connector packages of 25*	LCA-000008
LCC connector insertion/withdrawal tool	LCA-400001
Crimp tool	WT-2
Crimp Die Sets For WT-2 tool and LCC connector	
735A cable	LCA-000015
0222 cable	LCA-000010
RG59 cable	LCA-000012
734 cable	LCA-000011
Stripping Tools with green cassette for LCC connector	
735A/0222 cable	STC-13G
RG59/734 cable	STC-12G
Replacement Cassettes green cassette for LCC connector	
735A/0222/RG59/734	CCS-GRN

Straight BNC Plug Connectors (up to 3 GHz)

- Improved performance; **true** 75 Ω characteristic impedence through connector, not just the interface
- Easier, more reliable termination; gold-plated locking (not captive) center conductor ensures proper alignment during termination. Prevents damage during test or mating plug termination
- 100% guided mating
- Improved bandwidth performance to 3 GHz
- Sizes for multiple cable types
- Compatible with competitive crimp tools and die sets
- Bulk packaging available
- Universally accepted and most reliable method of terminating coaxial cable
- Designed to exceed the rigorous demands of today's network environment
- Tarnish resistant nickel plated body and bayonet

Ordering Information

Connector Catalog Number	Cable Dimensions (Diameter) Outer Jacket	Center Conductor	Connector Crimp Diameter Sleeve	Center Pin	Cable Type
BNC-1	0.235/.245	20 AWG/.031"	.255	.042	734, 9259, 1505A, 9100
BNC-2	.220/.242	23 AWG/.023"	.255	.042	RG59, 9209, 8279
BNC-3	.127	26 AWG/.016"	.178	.042	735, NT735
BNC-4	.305	20 AWG/.031"	.324	.042	728, 8281, 9231, 88281
BNC-5	.270	20 AWG/.032"	.324	.042	F-HEC59, HEC-2
BNC-6	.199/.212	20 AWG/.032"	.255	.042	89108, 1506A
BNC-7	.155	24 AWG/.020"	.197	.042	7538, 0222, 8218 23023, 7538
BNC-8	.275	18 AWG/.040"	.278	.042	1694A, 1694
BNC-9	TBD	TBD	TBD	TBD	TBD
BNC-10	.234	18 AWG/.040"	.255	.042	1695A
BNC-11	.265	23 AWG/.023"	.324	.042	S-HEC59
BNC-12	.150	25 AWG/.018"	.197	.042	809, 7536
BNC-13	.146	24 AWG/.020"	.178	.042	1865, 1855A

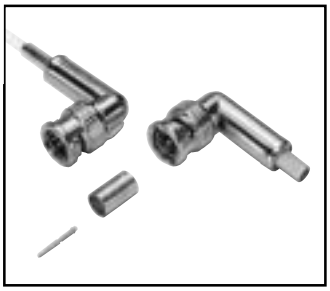
*In addition to the .042" square pin crimp, all connectors listed above are compatible with a 12 point method of crimping or .042 Hex crimp.

All ADC BNC connector plugs use the same crimp dimensions and crimp tools for the same cable type.
See BNC Crimping Tool/Die Sets on page 56 for more information.

Bulk packaging in quantities of 100 is available (package includes 100 connector bodies, 100 center pins and 100 crimp sleeves bagged separately). For bulk packaging add "*B*" to the end of the catalog number.
Example: BNC-13*B.*

BNC Right Angle Plug Connectors (up to 3 GHz)

- Improved performance; true 75 Ω characteristic impedance through connector, not just the interface
- Improved bandwidth performance to 3 GHz
- Alleviates stress associated with bending cable
- Provides increased density
- Improves overall cable management
- Compatible with non-right angle competitive crimp tools and die sets
- Sizes for multiple cable types
- Bulk packaging available
- Universally accepted and most reliable method of terminating coaxial cable
- Center conductor pins and crimp sleeves are fully interchangeable with ADC's BNC straight plugs of that cable type
- Designed to exceed the rigorous demands of today's network environment
- Tarnish resistant nickel plated body and bayonet



BNC-RA-3

	Connector Catalog Number				
	BNC-RA-1	**BNC-RA-2**	**BNC-RA-3**	**BNC-RA-4**	
Cable type	734, 9259, 1505A, 9100	RG59, 9209	735, NT735	728, 8281, 9231, 88281	0222, 8218, 7538
Cable dimensions:					
Outer jack diameter	.235"/.245	.220"/.242"	.127"	.305"	.155"
Center conductor	20 AWG	23 AWG	26 AWG	20 AWG	24 AWG
Connector crimp dimensions:					
Sleeve	.255"	.255"	.178"	.324"	.197"
Center pin*	.042"	.042"	.042"	.042"	.042"
Coaxial tools:					
Crimp tool	WT-2	WT-2	WT-2	WT-2	WT-2
Crimp die set	WD-1/WD-2	WD-1/WD-2	WD-2	WD-1/WD-2	WD-3
Assembled hand stripper tool**	STC-12B	STC-12B	STC-13B	STC-11B	STC-13B
Replacement cassette	CCS-BLK	CCS-BLK	CCS-BLK	CCS-BLK	CCS-BLK
Automatic stripper (battery powered)	BNC-S1	BNC-S1	BNC-S1	BNC-S1	BNC-S1
Cutter head for auto stripper	BNC-H2	BNC-H2	BNC-H5	BNC-H2	BNC-H5
BNC removal tool	BT2000	BT2000	BT2000	BT2000	BT2000

*In addition to the .042" square pin crimp, all connectors listed above are compatible with a 12 point method of crimping and .042 Hex crimp.
**Includes tool body, cassette and memory unit preadjusted.

All ADC BNC connector plugs use the same crimp dimensions and crimp tools for the same cable type. See BNC Crimping Tool/Die Sets on page 56 for more information.

Bulk packaging in quantities of 100 is available (package includes 100 connector bodies, 100 center pins and 100 crimp sleeves bagged separately). For bulk packaging add "*B*" to the end of the catalog number. Example: BNC-RA-2*B.*

BNC Adapters

BHFT-R-X

BHFT-1

BNC-STRT-ADPT

BNC-RA-ADPT

- Improved performance, true 75 Ω characteristic impedance
- Improved bandwidth performance to 3 GHz
- Bulkhead feed through available with or without panel isolation
- Meets the performance requirements of MIL-A-55339 for radio frequency coaxial adapters
- Gold plated, closed entry contact center conductor to prevent damage during test or mating plug termination
- Tarnish resistant nickel plated body and bayonet

Ordering Information

Catalog Number	Description
BHFT-1	Bulkhead feed through
BNC-STRT-ADPT	BNC straight adapter
BHFT-R-*X**	Recessed bulkhead feed through
BNC-RA-ADP	BNC right angle adapter

* Replace *X* in the catalog number with the desired color.
(G=green, R=red, BL=blue, B=black)

BNC Terminating Plugs

BNC-TP2 / BNC-TP2-HP

ADC BNC terminating plugs are offered in standard and high performance versions

- BNC-TP2 uses a 75 Ω, 1/2 watt resistor; provides greater than 26 dB return loss up to 1 GHz and greater than 20 dB up to 2 GHz
- BNC-TP2-HP uses a precision 75 ohm, 1/2 watt resistor which is tuned for enhanced peformance; provides greater than 35 dB return loss from DC to 1.5 GHz, greater than 30 dB up to 2 GHz and greater than 20 dB up to 3 GHz. Ideal for testing or large bandwidth applications.
- Universally accepted and most reliable method of terminating coaxial cable
- Designed to exceed the rigorous demands of today's network environment
- Gold-plated, closed entry contact center conductor to prevent damage during test or mating plug termination
- Tarnish resistant, nickel plated housing

Ordering Information

Catalog Number	Description
BNC-TP2	Standard BNC terminating plug; 75 Ω
BNC-TP2-HP	High performance BNC terminating plug; 75 Ω

Bulkhead Jack Connectors (up to 3 GHz)

BNC-PH-59

- Improved performance; **true** 75 Ω characteristic impedence through connector, not just interface
- Easier, more reliable termination; gold-plated locking (not captive) center conductor ensures proper alignment during termination, prevents damage during test or mating plug termination
- 100% guided mating
- Improved bandwidth performance to 3 GHz
- Sizes for multiple cable types
- Compatible with competitive crimp tools and die sets
- Universally accepted and most reliable method of terminating coaxial cable
- Designed to exceed the rigorous demands of today's network environment
- Tarnish resistant nickel plated body and bayonet

Ordering Information

Connector Catalog Number	Cable Dimensions (Diameter) Outer Jacket	Center Conductor	Connector Crimp Diameter Sleeve	Center Pin	Cable Type
BNC-PH-59	.220/.242	.023	.255	.042	RG59, 9209
BNC-RG187-PNL	.113	.012	.197	.042	735, NT735

All ADC BNC connector jacks use the same crimp dimensions and crimp tools for the same cable type.

BNC/TNC Crimping Tool and Die Sets

WT-2

BT2000

Ordering Information

Catalog Number Hand Crimping Tool	BNC Type	Catalog Number Die Set	Station Dimensions Center Conductor*	Crimp Sleeve
WT-2 *(ergonomic handle)*	BNC-1	WD-1, WD-2, WD-3, or WD-5	.042"	0.255
	BNC-2	WD-1, WD-2, WD-3, or WD-5	.042"	0.255
	BNC-3	WD-2	.042"	0.178
WT-3 *(long ergonomic handle)*	BNC-4	WD-1	.042"	0.324
	BNC-5	WD-1	.042"	0.324
	BNC-6	WD-1, WD-2, WD-3, or WD-5	.042"	0.255
	BNC-7	WD-3	.042"	0.197
	BNC-8	WD-4	.042"	0.278
	BNC-9	WD-1	.042"	0.324
	BNC-10	WD-1, WD-2, WD-3, or WD-5	.042"	0.255
	BNC-11	WD-1	.042"	0.324
	BNC-12	WD-3	.042"	0.197
	BNC-13	WD-2	.042"	0.178

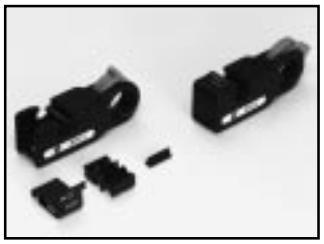
*All center conductors can be crimped by .042 hex, .042 square, or 12 point tool methods.

NOTE: WT-2 and WT-3 tools will accept any of the WD-1, WD-2, WD-3, WD-4 or WD-5 die sets.

Ordering Information

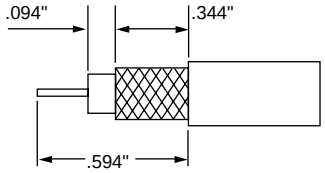
Description	Catalog Number
12 point tool (crimps center conductor only)	WT-C12
BNC Insertion/Removal Tool	BT2000
TNC Insertion/Removal Tool	TT1000

Cable Stripper

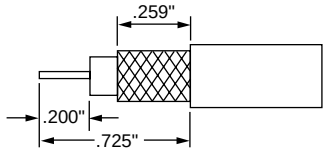


STC-13B

BNC-S1



BNC Plug Strip Length (All BNC Plug Connectors)



BNC Jack Strip Length (All BNC Jack Connectors)

Ordering Information

Hand Tool	BNC Type	Catalog Number
Complete Manual Stripper Tool (Cutting Blades) *Includes stripper cassette, memory and tool*	BNC-3 BNC-1, BNC-2, BNC-6, BNC-10 BNC-4, BNC-5, BNC-8, BNC-9, BNC-11	STC-13B STC-12B STC-11B
Automatic Cable Stripper *Includes Nicad battery pack, stripper body, AC/DC charger, ABS plastic carrying case, instruction manual*	All	BNC-S1
Cutter Head for Automatic Cable Stripper	BNC-4 BNC-1, BNC-2, BNC-6 BNC-8, BNC-9, BNC-10 BNC-11 BNC-6 BNC-3, BNC-7, BNC-12, BNC-13	BNC-H1 BNC-H2 BNC-H3 BNC-H5
Stripper Cassette *Holds the replacement cutting blades for the manual Stripper Tool. Manufactured to strip cable for all BNC Plugs.*	All	CCS-BLK
Memory for Manual Stripper Tool *Determines how deep each blade on the stripper cassette will cut into cable*	BNC-4, BNC-5, BNC-9, BNC-11 BNC-1, BNC-2, BNC-6 BNC-10 BNC-3, BNC-7, BNC-12, BNC-13	CCS-1 CCS-2 CCS-3
Tool *Used in conjunction with memory and stripper cassette*	All	STC-1

Tool Kit

BNC-TOOL-1

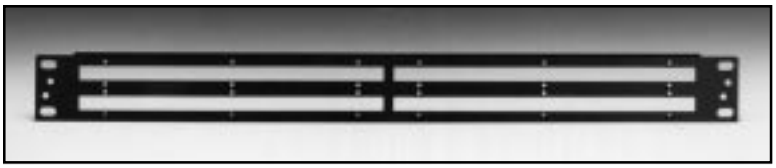
Ordering Information

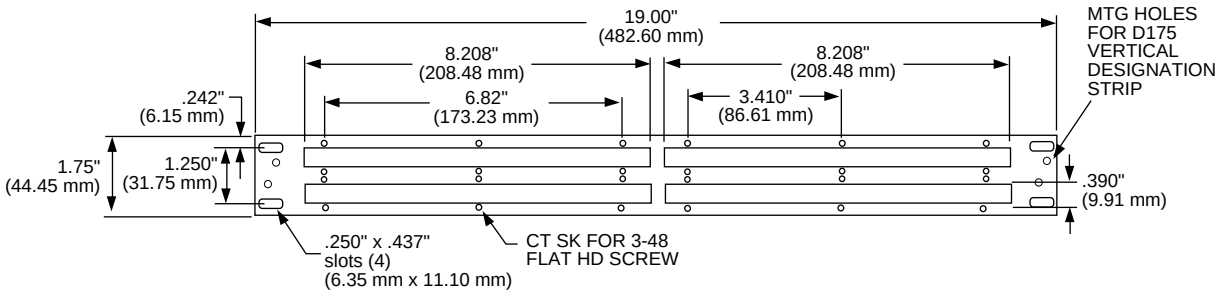
Description	Catalog Number
Connection tool kit for BNC connectors *Includes:* • Crimp tool (WT-2) • BNC crimp die set for 735, RG59 and 734 cables (WD-2) • Stripping tool with cassette for 735/0222 cables (STC-13B) • Stripping tool with cassette for RG59/734 cables (STC-12B) • Cable termination tray (LCA-000009) • Insertion/withdrawal tool for BNC connector (BT2000) • Carrying case	BNC-TOOL-1

Single Bantam Jack Frame

The PJ730 frame accommodates (4) PJ724 or PJ726 inserts or (4) PJ700 blanks.

PJ730

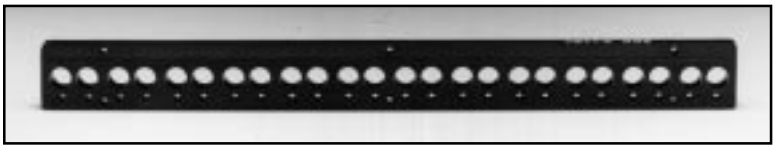


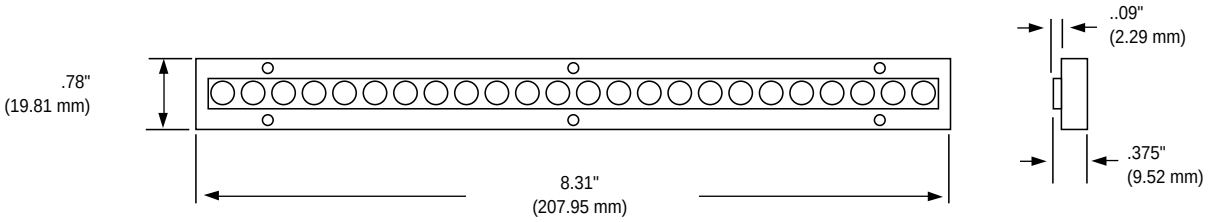


Single Bantam Jack Insert

The PJ724 insert can hold **24 single Bantam jacks or lamp sockets** (not included). Center to center spacing for all **12** pairs is .312" (7.92 mm) with .370" (9.40 mm) spacing between pairs. Designed to be mounted in a PJ730 frame. Self-tapping mounting screws included. If the insert is to be mounted without designation strips, order (6) **S-348IP** screws for mounting top and bottom of the insert. If designation strips are to be used above the insert, order (3) **S-3481P** screws for mounting the bottom of the insert (the screws for mounting the top of the insert and the designation strip are included with the designation strip).

PJ724



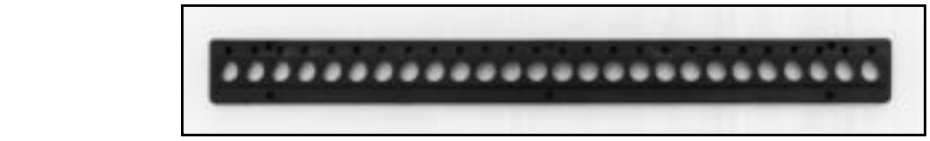


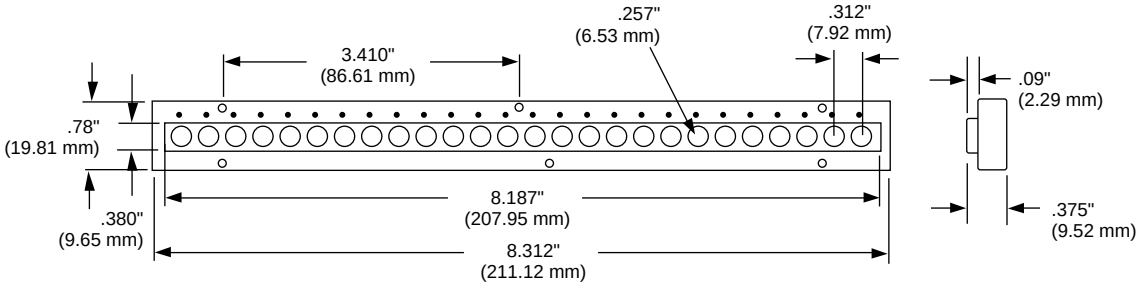
Ordering information begins on page 62.

Single Bantam Jack Insert

PJ726

The PJ726 insert can hold **26 single Bantam jacks or lamp sockets** (not included). Center to center spacing for all **26** positions is .312" (7.92 mm) with .370" (9.40 mm) spacing between pairs. Designed to be mounted in a PJ730 frame. Self-tapping mounting screws included. If the insert is to be mounted without designation strips, order (6) **S-348IP** screws for mounting top and bottom of the insert. If designation strips are to be used above the insert, order (3) **S-348IP** screws for mounting bottom of the insert (the screws for mounting the top of the insert and the designation strip are included with the designation strip).

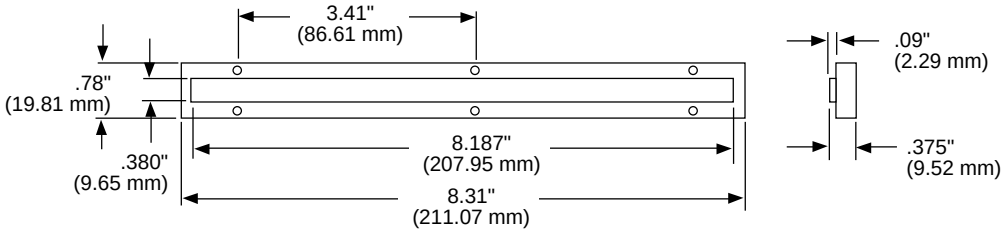




Single Bantam Jack Insert

PJ700

The PJ700 is a **blank insert** used when jack circuits are to be added at a later date. Designed to be mounted in a PJ730 frame. Self-tapping mounting screws included. If the insert is to be mounted without designation strips, order (6) **S-348IP** screws for mounting top and bottom of the insert. If designation strips are to be used above the insert, order (3) **S-348IP** screws for mounting bottom of the insert (the screws for mounting the top of the insert and the designation strip are included with the designation strip).

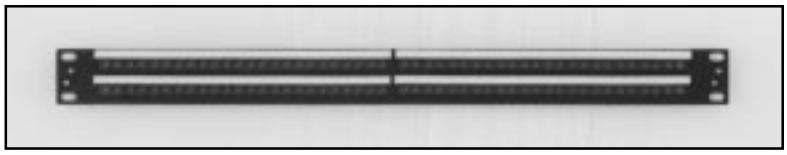


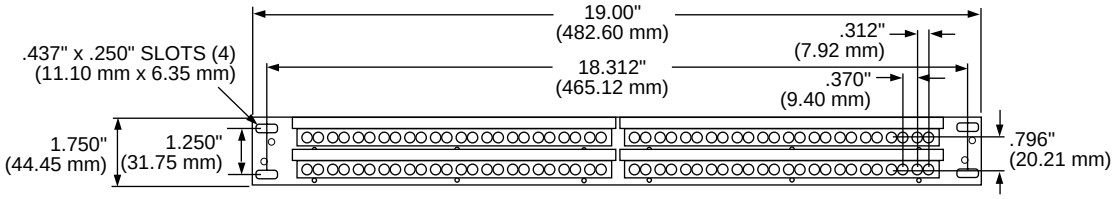
Ordering information follows on next page.

Single Bantam Jack Panel

The PJ731 Bantam panel comes equipped with (4) PJ724 inserts and (4) PJ727 designation strips. It accommodates **96 single Bantam jacks** (not included). Horizontal designation strips are installed and appropriate cards and windows are included.

PJ731





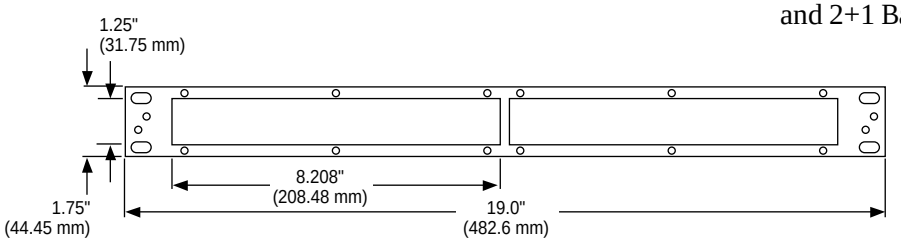
Ordering Information

Ordering Information	
Description	**Catalog Number**
Single Bantam Jack Frame	PJ730
Single Bantam Jack Insert	
holds **24** single Bantam jacks or lamp sockets	PJ724
holds **26** single Bantam jacks or lamp sockets	PJ726
blank insert	PJ700
Single Bantam Panel	
holds 96 single Bantam jacks	PJ731

Back-to-Back Bantam Jack Frame

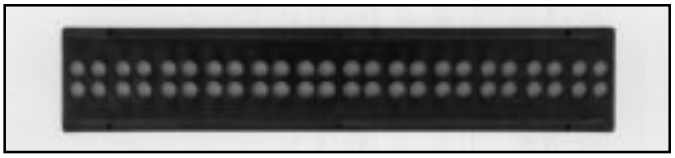
PJ735

The PJ735 Back-to-Back frame accommodates (2) PJ776 or (2) PJ771 inserts. Used with Back-to-Back and 2+1 Bantam jacks.

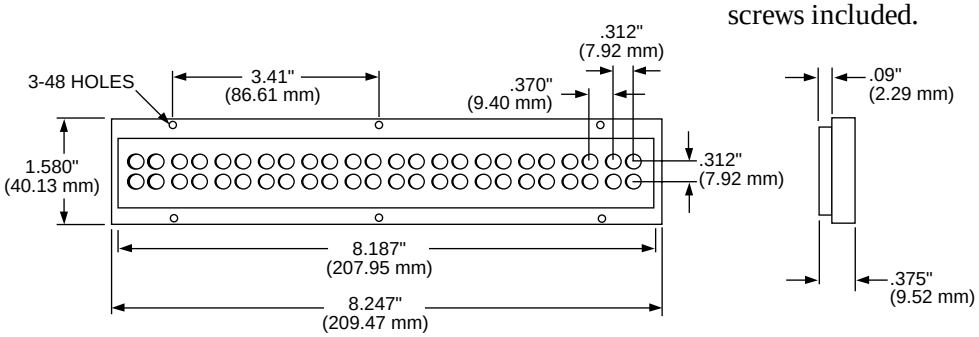


Back-to-Back Bantam Jack Insert

PJ776



The PJ776 insert can hold **24 Back-to-Back Bantam jacks** (not included). Mounts in a PJ735 frame. Self-tapping mounting screws included.

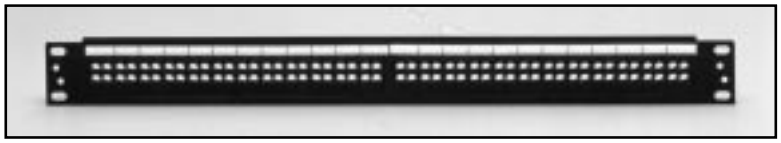


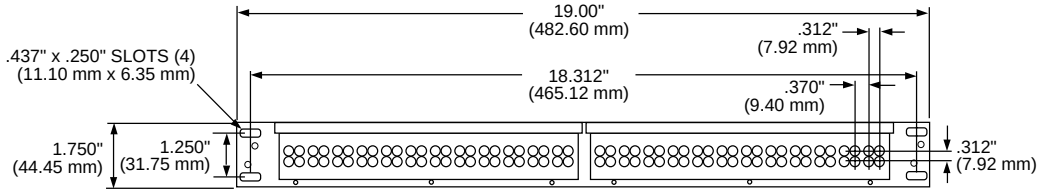
Ordering information follows on next page.

Back-to-Back Bantam Jack Panel

PJ689

The PJ689 panel comes equipped with (2) PJ776 inserts and (2) PJ727 designation strips. It accommodates **48 Back-to-Back Bantam jacks** (not included). Horizontal designation strips are installed and appropriate cards and windows are included.



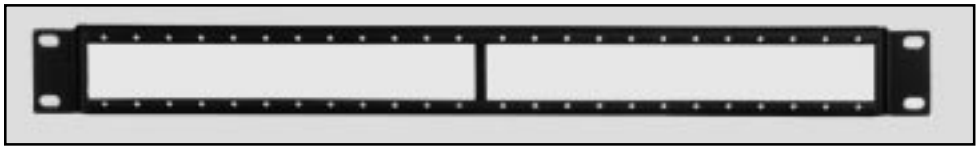


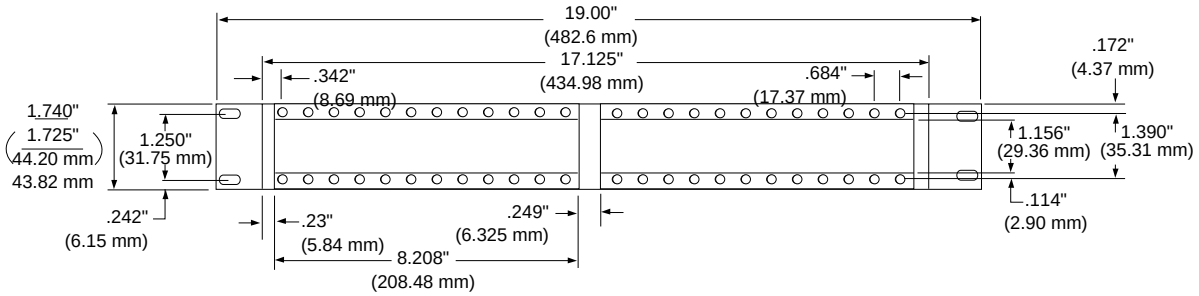
Ordering Information	
Description	**Catalog Number**
Back-to-Back Bantam jack frame	PJ735
Back-to-Back Bantam jack insert (24 jacks)	PJ776
Back-to-Back Bantam jack panel	PJ689

2+1 Bantam Jack Modular Frame

PJ782
PJ784

The PJ782 and PJ784 modular frames accommodate **24 PJ783 modules** (not included). Each frame includes designation strips, cards and windows.

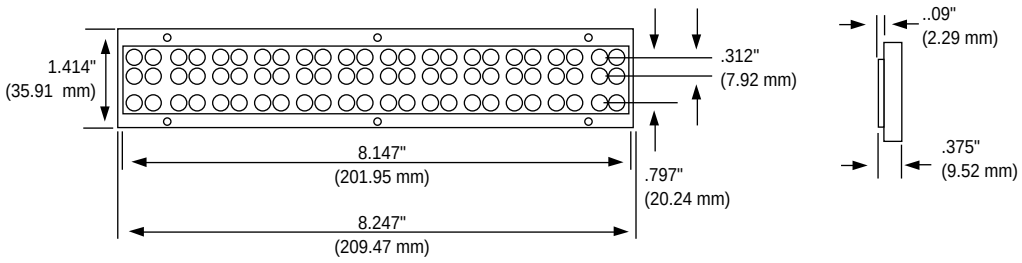




2+1 Bantam Jack Insert

PJ771

The PJ771 insert can hold **(24) 2 + 1** or **a combination of 24 Back-to-Back and 24 single jacks** (not included). Mounts in a PJ735 frame. Self-tapping mounting screws included.

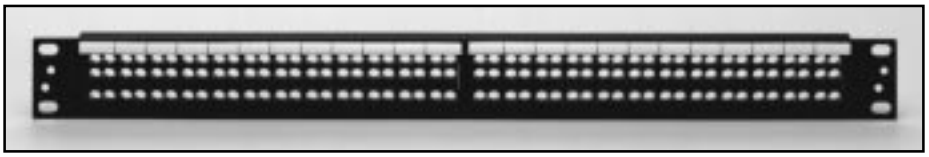


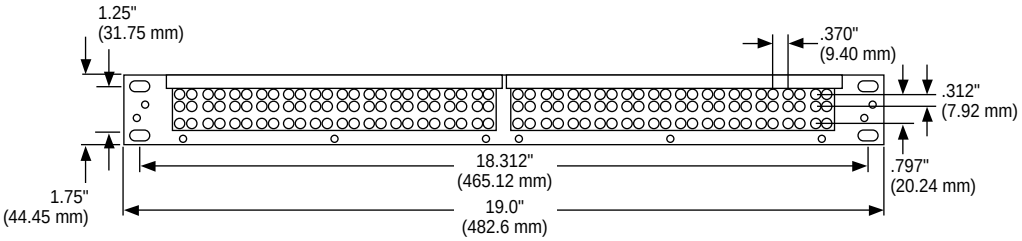
Ordering information follows on next page.

2+1 Bantam Jack Panel

The PJ781 panel comes equipped with (2) PJ771 inserts and (2) PJ727 designation strips. It accommodates **(48) 2 + 1 Bantam jacks** (not included). Horizontal designation strips are installed and appropriate cards and windows are included.

PJ781



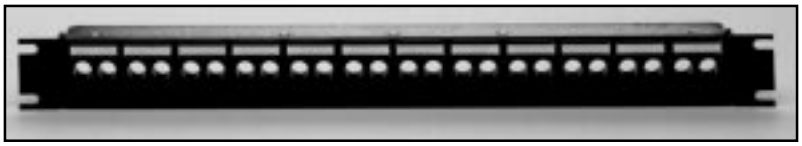


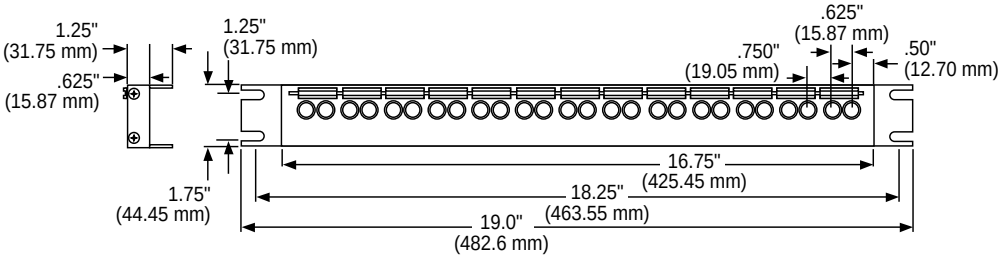
Ordering Information	
Description	**Catalog Number**
2+1 Bantam Jack Modular Frame	
without mounting brackets	PJ782
includes brackets (pictured on page 66)	PJ784
2+1 Bantam Jack Insert	PJ771
2+1 Bantam Jack Panel	PJ781

Longframe Panels

PJ33

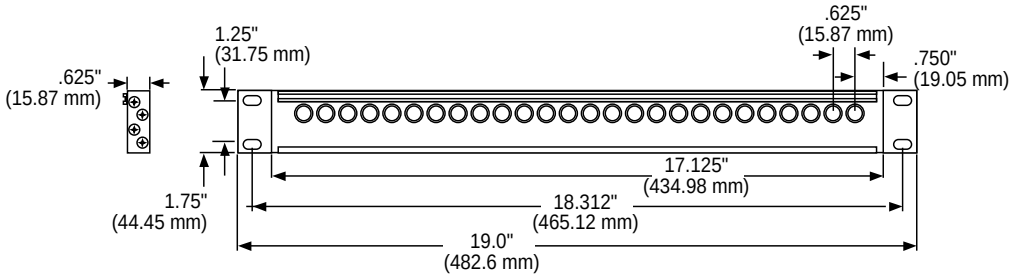
PJ33 panel has 1 row and will accommodate **24 single Longframe jacks** (not included). PJ898 designation strips are included. .625" (15.87 mm) jack pairs are spaced .750" (19.05 mm) to prevent cross-patching.





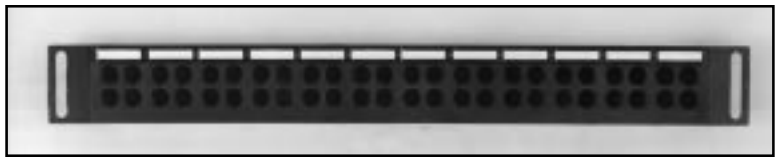
PJ36

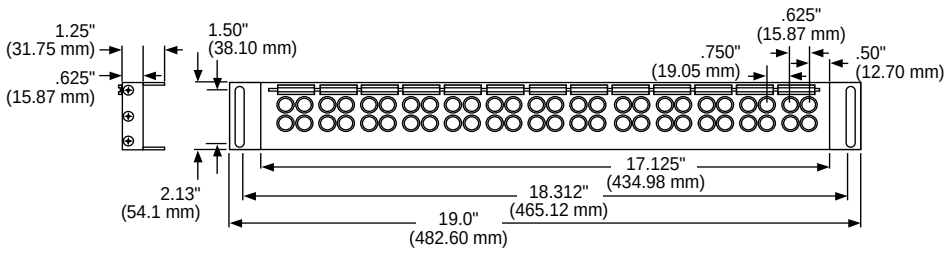
PJ36 panel has 1 row and will accommodate **26 single Longframe jacks** (not included). Designation strips are included. Brackets for flush rack mounting are included.



PJ31

PJ31 panel has 2 rows and will accommodate **48 single Longframe jacks** (not included). PJ898 designation strips are included. .625" (15.87 mm) jack pairs are spaced .750" (19.05 mm) to prevent cross-patching.



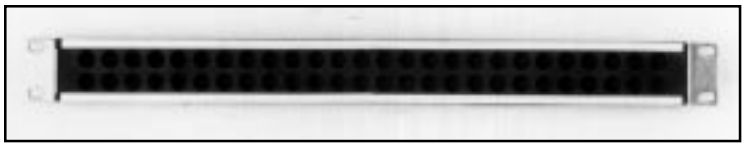


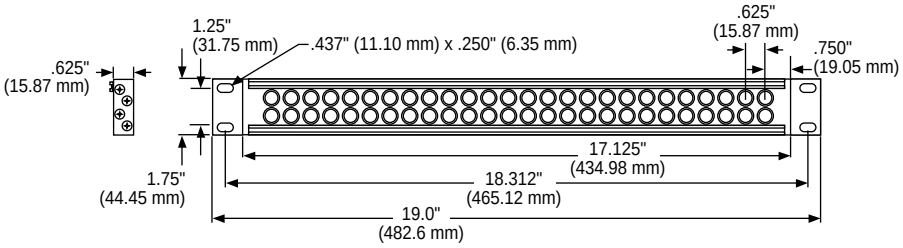
Ordering information begins on page 69.

Longframe Panels

PJ30 and PJ30A panels have 2 rows and will accommodate **52 single Longframe jacks** (not included). PJ30 has double designation strips; brackets for flush mounting are included. PJ30A is supplied with reinforcement strips drilled and tapped to accommodate designation strips (ordered separately, see page 81).

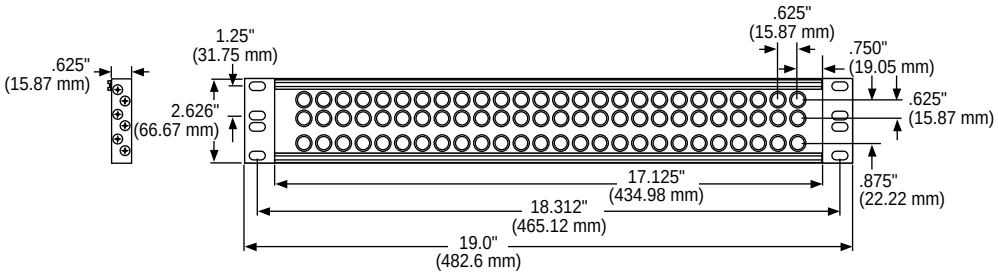
PJ30
PJ30A (WECO 230A)





PJ37

The PJ37 panel has 3 rows and will accommodate **78 single Longframe jacks** (not included). The panel has double designation strips and includes brackets for flush rack mounting.



Ordering information follows on next page.

Longframe Panels
Ordering Information

Ordering Information			
Number of Rows	**Number of Jacks Accommodated**	**Dimensions (H x W x D)**	**Catalog Number**
1	24	1.75" x 19" x .625" (4.45 x 48.26 x 1.59 cm)	PJ33
1	26	1.75" x 19" x .625" (4.45 x 48.26 x 1.59 cm)	PJ36
2	48	2.13" x 19" x 1.25" (5.41 x 48.26 x 3.18 cm)	PJ31
2	52	1.75" x 19" x .625" (4.45 x 48.26 x 1.59 cm)	PJ30
2	52	1.75" x 19" x .625" (4.45 x 48.26 x 1.59 cm)	PJ30A
3	78	2.62" x 19" x .625" (6.65 x 48.26 x 1.59 cm)	PJ37

Description

ADC offers a broad range of panel configurations to accommodate single and multiposition standard, midsize and BNC jacks.

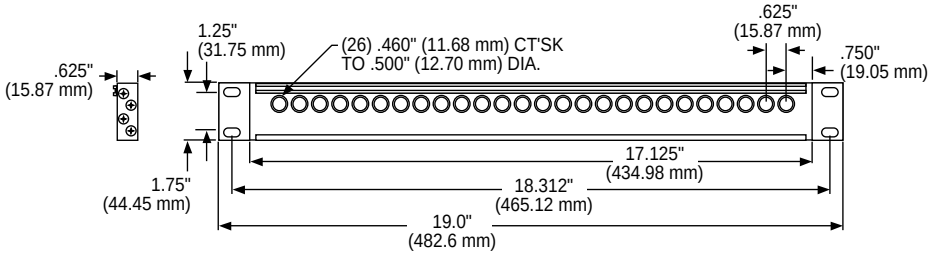
All panels mount in standard 19" (48.26 cm) equipment racks, utilizing 1, 1 1/2 or 2 rack spaces. Every panel is supplied with designation strips, cards and windows for easy circuit identification.

Panels and jacks may be ordered as separate components or as panel assemblies with jacks factory loaded into panels. Commonly used panel assemblies with switching coax jacks are shown on pages 74. Custom configurations are available upon request.

Standard Size

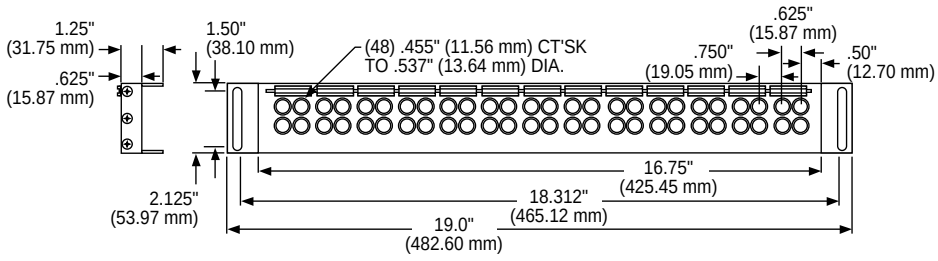
PJ36 Panel

PJ36 panel has one row and will accommodate **26 standard size single jacks** (not included). No designation strips are included. Brackets for flush rack mounting are included.



PJ31 Panel

PJ31 panel has two rows and will accommodate **48 standard size single or 24 standard size dual jacks** (not included). PJ898 designation strips are included. .625" (15.87 cm) jack pairs are spaced .750" (19.05 cm) to prevent cross-patching.

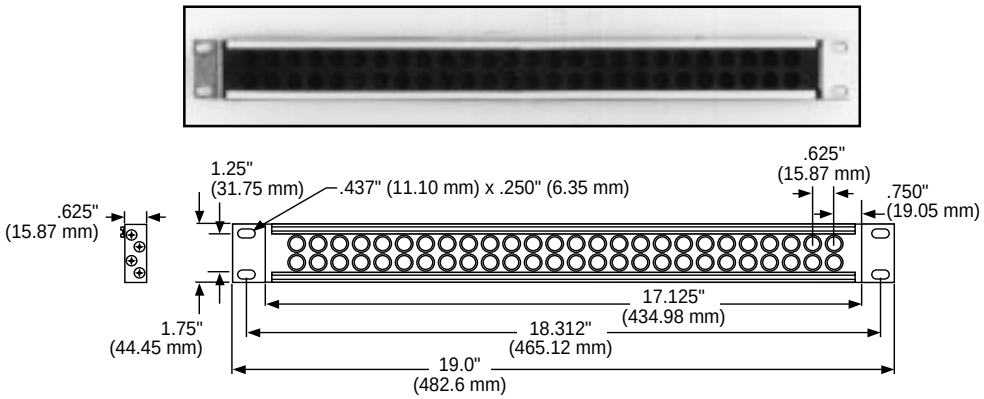


Ordering Information	
Description	**Catalog Number**
Coaxial Jack Panel accommodates 26 standard size single jacks accommodates 48 standard size single or 24 standard size dual jacks	 PJ36 PJ31

Standard Size

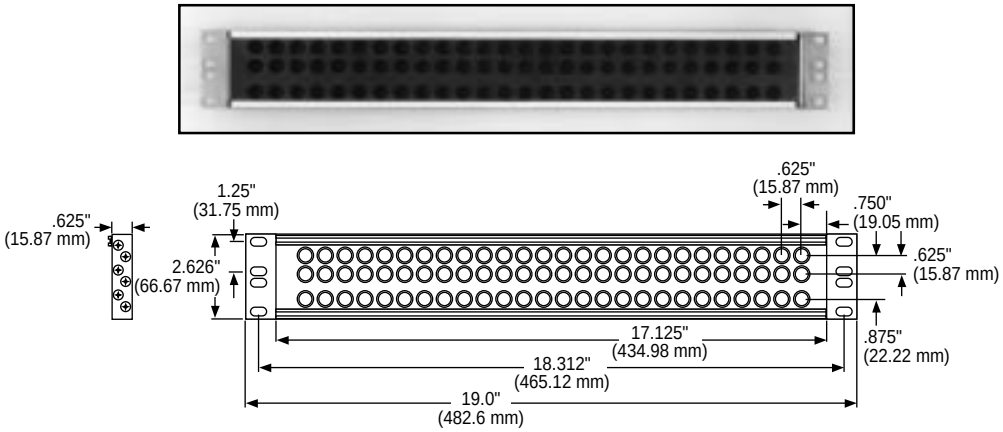
PJ30 Panel

PJ30 panels have two rows and will accommodate **52 standard size single or 26 standard size dual jacks** (not included). PJ30 has double designation strips; brackets for flush rack mounting are included.



PJ37 Panel

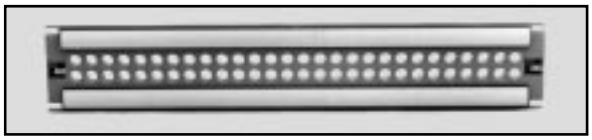
PJ37 panel has three rows and will accommodate **78 standard size single jacks** (not included). The panel has double designation strips and includes brackets for flush rack mounting.



Ordering Information	
Description	**Catalog Number**
Coaxial Jack Panels	
accommodates 52 standard size single jacks or 26 standard size dual jacks	PJ30
accommodates 78 standard size single jacks	PJ37

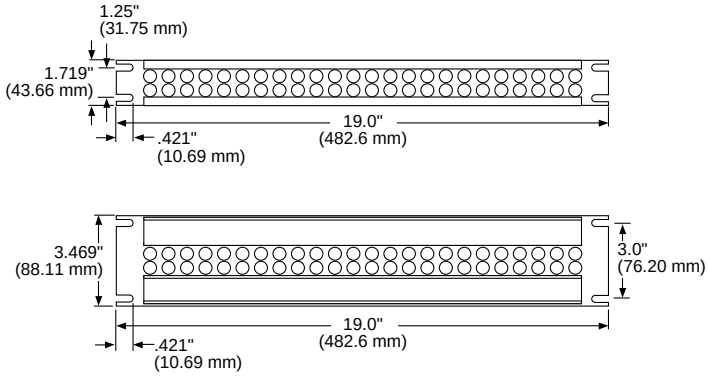
Standard Size

PPI Panel

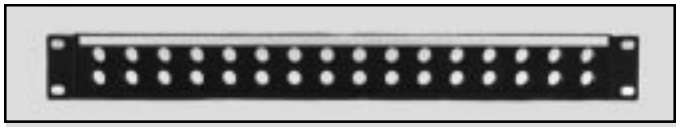


PPI panels are constructed with an aluminum front face and phenolic back bar. These panels may be ordered with jack positions evenly spaced on .625" (15.87 mm) centers across the panel (designated "R" in the catalog number); grouped spacing with .625" (15.87 mm) centers between pairs and .750" (19.05 mm) spacing between groups (designated "G" in the catalog number); or with 1.0" (25.4 mm) vertical spacing and angled jack mounting holes (designated "W" in the catalog number).

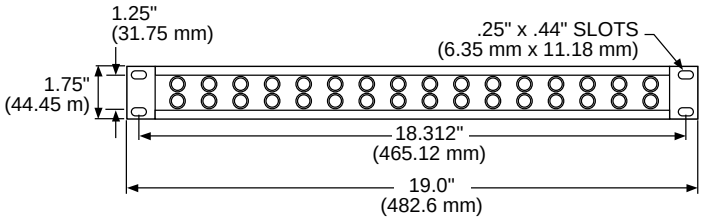
The PPI panels are most commonly ordered with ADC's SJ2000 series of switching coax jacks (see pages 76-78 for switching coax panel assemblies). Other jack/panel configurations are available upon request.



DP216 Panel



The DP216 panel provides two rows of 16 positions in one rack space. The panel is phenolic with an aluminum frame.



Ordering information follows on next page.

Ordering Information

Standard Size Panels

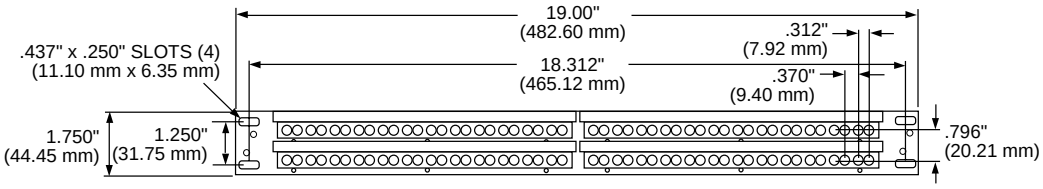
Ordering Information

Panel Height	Aluminum Front Face	Number Positions	Number of Rows	Horizontal Spacing	Vertical Spacing	Catalog Number
1.75" (44.45 mm)	No	52	2	.625"	.625"	PJ30
1.75" (44.45 mm)	No	26	1	.625"	N/A	PJ36
1.75" (44.45 mm)	Yes	20	1	.83"	N/A	PPI1120R
1.75" (44.45 mm)	Yes	24	1	.625"/.75"	N/A	PPI1124G
1.75" (44.45 mm)	Yes	40	1	.83"	.625"	PPI1220R
1.75" (44.45 mm)	Yes	52	1	.83"	.625"	PPI1226R
1.75" (44.45 mm)	No	32	2	.625"	.625"	DP216
2.12" (53.85 mm)	No	48	2	.625"/.75"	.625"	PJ31
2.63" (66.80 mm)	No	78	3	.625"	.625"	PJ37
3.5" (88.9 mm)	Yes	32	2	.83"	.625"	PPI2216R
3.5" (88.9 mm)	Yes	40	2	.83"	.625"	PPI2220RS
3.5" (88.9 mm)	Yes	40 (angled jack mount)	2	.83"	1.000"	PPI2220RW
3.5" (88.9 mm)	Yes	40 (angled jack mount)	2	.75"	1.000"	PPI2222RW
3.5" (88.9 mm)	Yes	48	2	.625"/.75"	.625"	PPI2224GS
3.5" (88.9 mm)	Yes	48	2	.625"	.625"	PPI2224RS
3.5" (88.9 mm)	Yes	48 (angled jack mount)	2	.70"	1.000"	PPI2224RW
3.5" (88.9 mm)	Yes	52	2	.625"	.625"	PPI2226RS

Single Bantam Jack Panel Assemblies

PJ737

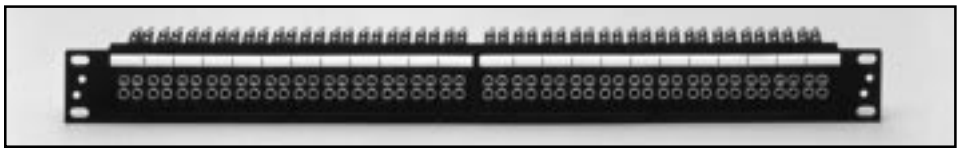
Single panel assemblies consist of a PJ731 panel with (4) PJ724 inserts, (4) PJ727 designation strips and **96 single Bantam jacks.** Horizontal designation strips are installed and appropriate cards and windows are included.

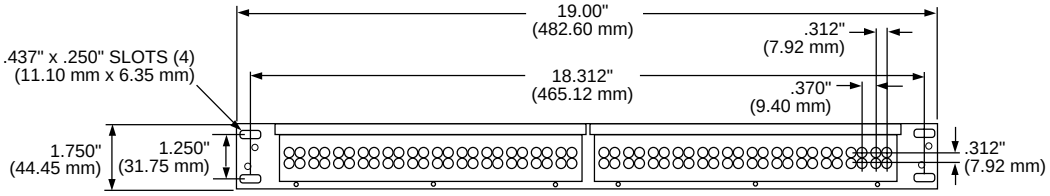


Back-to-Back Bantam Jack Panel Assemblies

PJ789

Back-to-Back panel assemblies consist of a PJ689 panel equipped with (2) PJ776 inserts, (2) PJ727 designation strips and **48 Back-to-Back Bantam jacks.** Horizontal designation strips are installed and appropriate cards and windows are included.

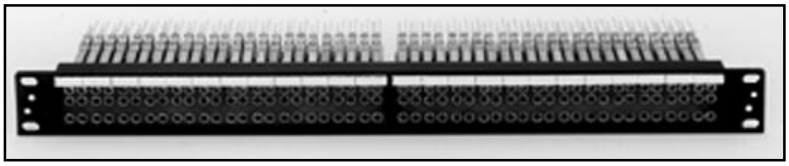


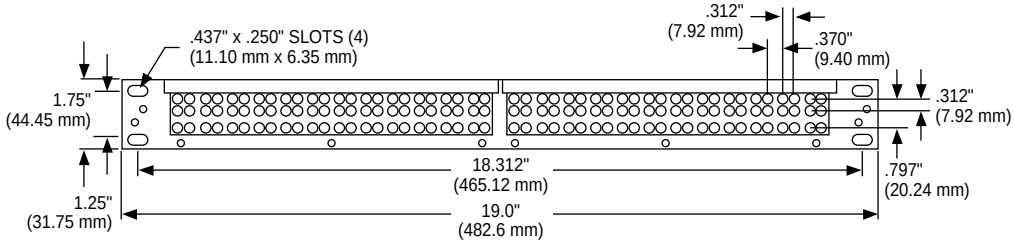


2+1 Bantam Jack Panel Assemblies

PJ721

2 + 1 panel assemblies consist of a PJ781 panel equipped with (2) PJ771 inserts, (2) PJ727 designation strips and **(48) 2 + 1 Bantam jacks.** Horizontal designation strips are installed and appropriate cards and windows are included.



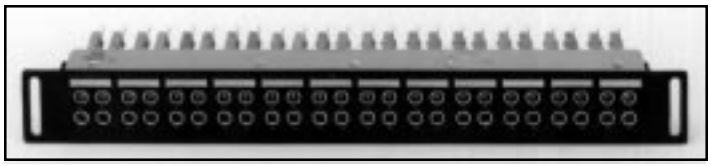


Ordering information follows on next page.

Ordering Information

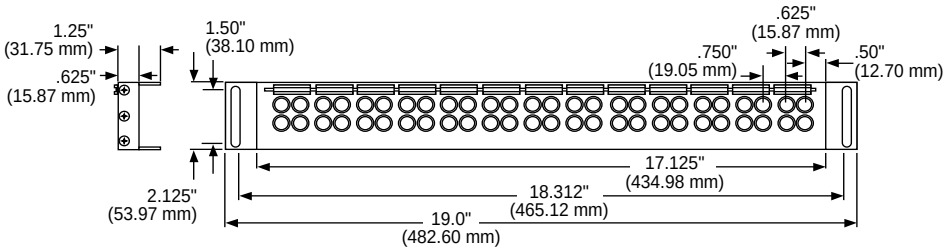
Ordering Information	
Description	**Catalog Number**
Single Bantam Panel Assemblies	
Two conductor (PJ818); solder	PJ737
Three conductor (PJ839); solder	PJ739
Three conductor (PJ839W); wire-wrap	PJ739W
Back-to-Back Bantam Jack Panel Assemblies	
Three conductor (PJ889); solder terminals	PJ789
Three conductor (PJ889W); wire-wrap terminals	PJ789W
2+1 Bantam Jack Panel Assemblies	
2 + 1 three conductor jacks (PJ831) terminal type: solder	PJ721
2 + 1 three conductor jacks (PJ831W) terminal type: wire-wrap	PJ721W

Longframe Panel Assemblies

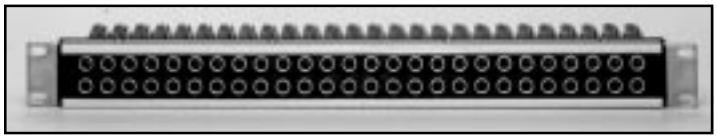


PJ341

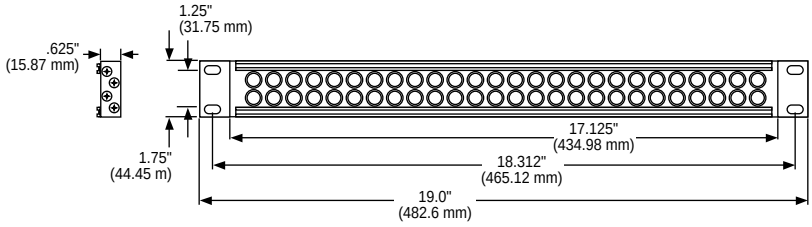
The PJ341 panel assembly consists of a PJ31 panel with **48 two conductor single Longframe jacks** (PJ318). .625" (15.87 mm) jack pairs are spaced .750" (19.05 mm) to prevent cross-patching. A PJ898 designation strip kit is included.



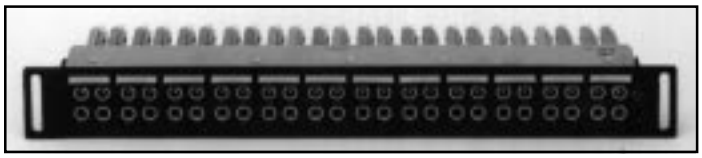
PJ390
PJ390A



PJ390 and PJ390A panel assemblies consist of a PJ30A panel with **52 three conductor single Longframe jacks** (PJ339). Reinforcing strips are included. The PJ390A panel assembly is supplied with reinforcement strips drilled and tapped to accommodate designation strips.

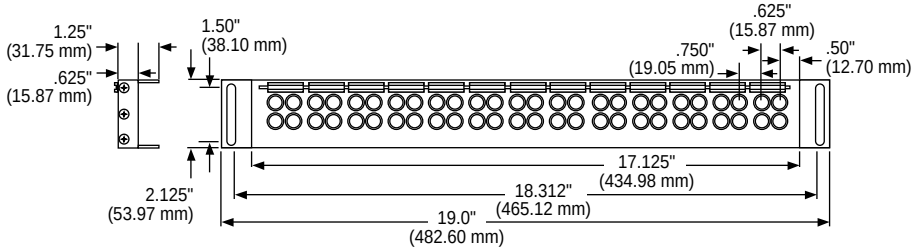


Longframe Panel Assemblies

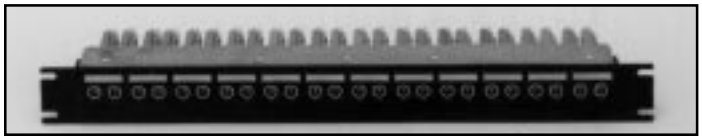


PJ391

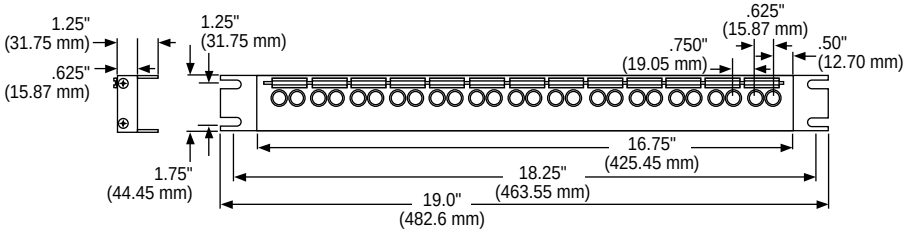
The PJ391 panel assembly consists of a PJ31 panel with **48 three conductor single Longframe jacks** (PJ339). .625" (15.87 mm) jack pairs are spaced .750" (19.05 mm) to prevent cross-patching.



PJ393



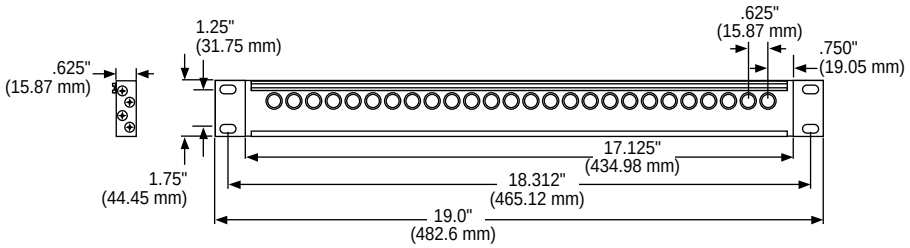
The PJ393 panel assembly consists of a PJ33 panel with **24 three conductor single Longframe jacks** (PJ339). .625" (15.87 mm) jack pairs are spaced .750" (19.05 mm) to prevent cross-patching. A PJ898 designation strip kit is included.



Longframe Panel Assemblies

PJ396

The PJ396 panel assembly consists of a PJ36 panel with **26 three conductor single Longframe jacks** (PJ339). Brackets are included for flush rack mounting.

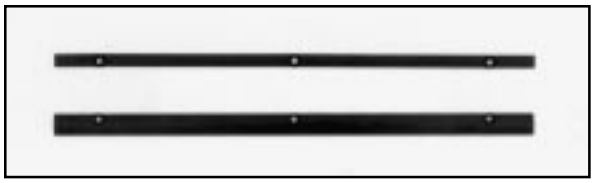


Ordering Information

Ordering Information

Number of Jacks	Type of Jack	Dimensions (H x W x D)	Catalog Number
48	Two conductor single (PJ318)	1.75" x 19" x .625" (4.45 x 48.26 x 1.59 cm)	PJ341
52	Three conductor single (PJ339)	1.75" x 19" x .625" (4.45 x 48.26 x 1.59 cm)	PJ390
52	Three conductor single (PJ339)	1.75" x 19" x .625" (4.45 x 48.26 x 1.59 cm)	PJ390A
48	Three conductor single (PJ339)	2.13" x 19" x 1.25" (5.40 x 48.26 x 3.18 cm)	PJ391
24	Three conductor single (PJ339)	1.75" x 19" x 1.25" (4.45 x 48.26 x 3.18 cm)	PJ393
26	Three conductor single (PJ339)	1.75" x 19" x .625" (4.45 x 48.26 x 1.59 cm)	PJ396

Horizontal Designation Strip Kits

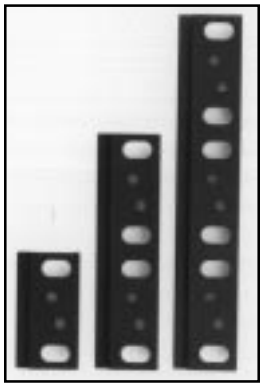


Bantam horizontal designation strips mount above the jack rows to provide identification of jack functions. They are available in a variety of widths to provide maximum marking space for each panel type. Each kit contains strips and all necessary white cards, windows and mounting hardware.

Ordering Information

Description	Window Height	Catalog Number
Horizontal Designation Strips 8.375" (212.73 mm) long		
Use with PJ730 frame, PJ735 panel with PJ776 inserts includes 2 strips	.385" (9.77 mm)	PJ723
Use with PJ724, PJ776 and PJ771 inserts includes 4 strips; cards divided into 12 spaces	.225" (5.72 mm)	PJ727
Use with PJ776 inserts only includes 2 strips	.44" (11.18 mm)	PJ728

Vertical Designation Strip Kits



Bantam vertical designation strips can be attached to 1, 2 or 3 stacked Bantam jackfields. They mechanically secure the multiple panel assemblies and provide quick identification of row functions. All Bantam panel frames are supplied pre-drilled to accommodate these vertical designation strips. The designation strips are supplied in kit form and are mounted to the Bantam panel frames with 6-32 flathead screws. Each kit includes (2) designation strips, cards, windows and mounting hardware.

Ordering Information

Description	Catalog Number
Vertical Designation Strips *For use with all Bantam panel frames* can be attached to one, two or three stacked Bantam jackfields. Kit includes two designation strips, cards, windows and mounting hardware	
1.75" (4.45 cm) high	D175
3.50" (8.89 cm) high	D350
5.25" (13.34 cm) high	D525

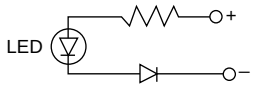
Lamp Sockets

Bantam panel lamp sockets accept ADC's Bantam LED module or T-1 1/4 style Bi-Pin base lamps in 6, 14 or 28 volt ratings. Lamp sockets mount to the panel in the same manner as Bantam jacks. These lamp sockets mount in PJ724 or PJ726 inserts.

Ordering Information	
Terminal Type	**Catalog Number**
Solder	PJ850
Wire-wrap	PJ850W

LED Modules

ADC LED modules incorporate the long life, low current consumption attributes of the light emitting diode into a compact unit which includes the dropping resistor and blocking diode. The Bantam LED module mounts in ADC's PJ850 or PJ850W lamp socket.

Ordering Information		
Voltage	**Schematic**	**Catalog Number***
6		PJ859-6X
12		PJ859-12X
24		PJ859-24X
48		PJ859-48X

*Replace X with lens color desired; R = Red, G = Green, Y = Yellow, and O = Orange.

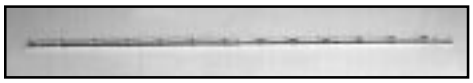
Specifications are found on page 91.

Designation Strip Kits

Longframe horizontal designation strips mount above the jack rows to provide identification of jack functions. They are available in a variety of widths to provide maximum marking space for each panel type. Each kit contains strips and all necessary white cards, windows and mounting hardware.

PJ899A

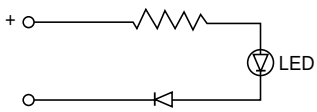
PJ899B

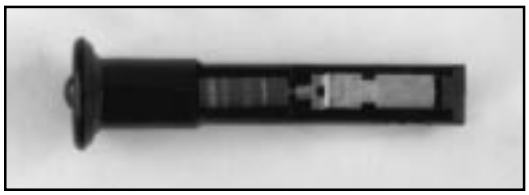


Ordering Information

Description	Dimensions (L x W)	WECO Equivalent	Catalog Number
For use as alternate on PJ31 or PJ33 panels; includes continuous white card	16.72" x .465" (424.7 x 11.8 mm)		PJ897
For use on PJ30A (WECO-230A) panel (will not overlap units); includes 13 transparent windows and a perforated white card	16.28" x .234" (413.5 x 5.94 mm)	WECO-99A	PJ899A
	16.28" x .469" (413.5 x 11.9 mm)	WECO-99B	PJ899B
For use on PJ30A (WECO-230A) (will overlap units by .234" [5.94 mm]; includes 13 transparent windows and a perforated white card			

LED Modules





ADC LED modules incorporate the long life, low current consumption attributes of the light emitting diode into a compact unit which includes the dropping resistor and blocking diode. The Longframe LED module mounts in ADC's PJ157 lamp socket.

Ordering Information	
Description	**Catalog Number***
Longframe LED module; 48V	PJ300-48X

Replace X with lens color desired; R = Red, G = Green, A = Amber.

Specifications are found on page 99.

Bantam Jacks
Single, Back-to-Back, 2+1 Jacks

ELECTRICAL

Contact Resistance:	.020 ohms maximum (initial); .020 ohms maximum (after life cycling); .10 ohms maximum (after salt spray)
Insulation Resistance:	10,000 megohms minimum (initial) 1,000 megohms minimum (after moisture resistance test)
Dielectric Withstanding Voltage:	500 VRMS
Contact Rating:	100 mA ± 130 Vdc maximum; -40 dBm minimum

MECHANICAL

Mechanical Shock:	per MIL-STD-202F, method 213B, test condition H
Vibration:	MIL-STD-1344, method 2005 test condition I
Insertion Force:	7 lbs. (3.17 kg) maximum
Withdrawal Force:	1.0 lbs. (.45 kg) minimum
Life:	20,000 insertion/withdrawal cycles minimum

ENVIRONMENTAL

Thermal Limits	
Operating:	-40°C to +65°C
Non-operating:	-55°C to +85°C
Thermal Shock:	Per MIL-STD-202F, method 107G, test condition A
Relative Humidity:	0% to 95% non-condensing, operating and non-operating
Salt Spray:	Per MIL-STD-202F, method 101D
Moisture Resistance:	Per MIL-STD-202F, method 106E

MATERIALS

Frame:	Zinc die-cast--zinc plated with chromate conversion plating
Springs:	Nickel-silver alloy
Insulators:	Either phenolic or thermoplastic
Contacts:	WECO No. 1 gold crossbar

Printed Circuit Board Jacks

ELECTRICAL

Contact Resistance:	20 milliohms maximum (initial) 30 milliohms maximum (after life cycling)
Insulation Resistance:	10,000 megohms minimum (initial)
Dielectric Withstanding Voltage:	500 VRMS
Contact Rating:	100 mA dc maximum; -40 dBm minimum (test per MIL-STD-1344, method 3002)
Insertion Loss:	< .1 dB (600 ohm circuit)

MECHANICAL

Mechanical Shock:	per MIL-STD-202F, method 213B, test condition H
Vibration:	MIL-STD-1344, method 2005 test condition I
Insertion Force:	7 lbs. (3.17 kg) maximum
Withdrawal Force:	1.5 lbs. (.679 kg) minimum; 7 lbs. (3.17 kg) maximum

ENVIRONMENTAL

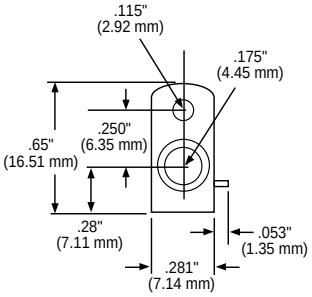
Thermal Limits	
Operating:	-40°C to +65°C
Non-operating:	-55°C to +65°C
Thermal Shock:	Per MIL-STD-202F, method 107G, test condition A
Relative Humidity:	0% to 95% non-condensing, operating and non-operating
Salt Spray:	Per MIL-STD-202F, method 101D
Moisture Resistance:	Per MIL-STD-202F, method 106E
Flow Solderability:	Per MIL-STD-46844

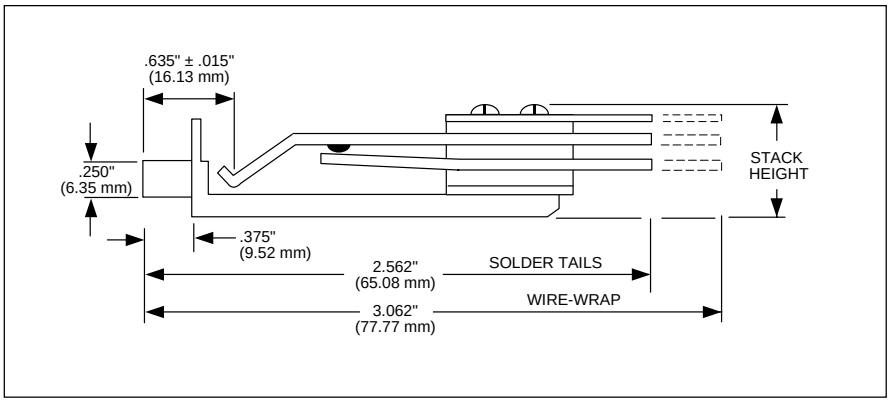
MATERIALS

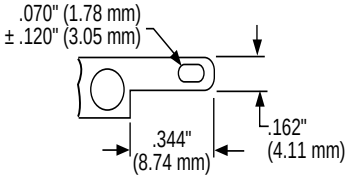
Case:	Glass filled polyester (UL 94V-O rated)
Springs:	Nickel-silver alloy (gold plated available upon request)
Contacts:	WECO No. 1 gold crossbar
Durability:	10,000 cycles minimum when activated with a conventional plug

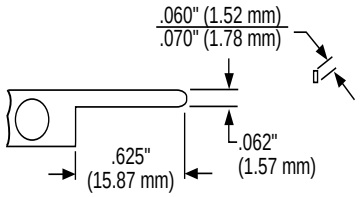
Single Bantam Jacks

Two Conductor

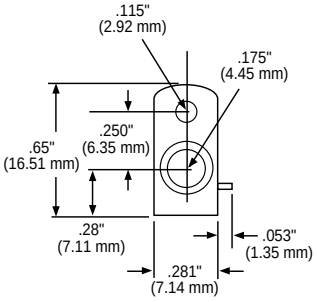


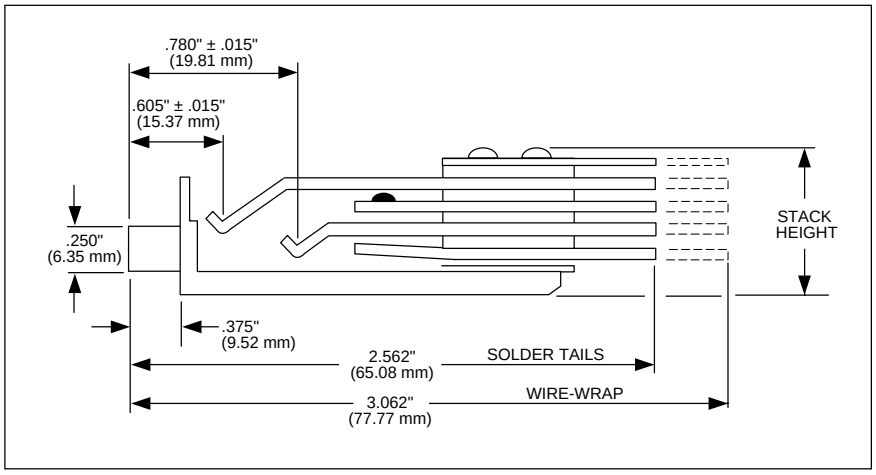


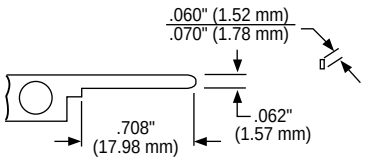




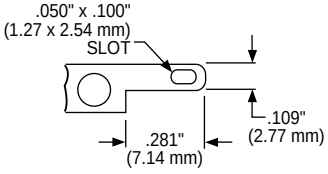
Three Conductor





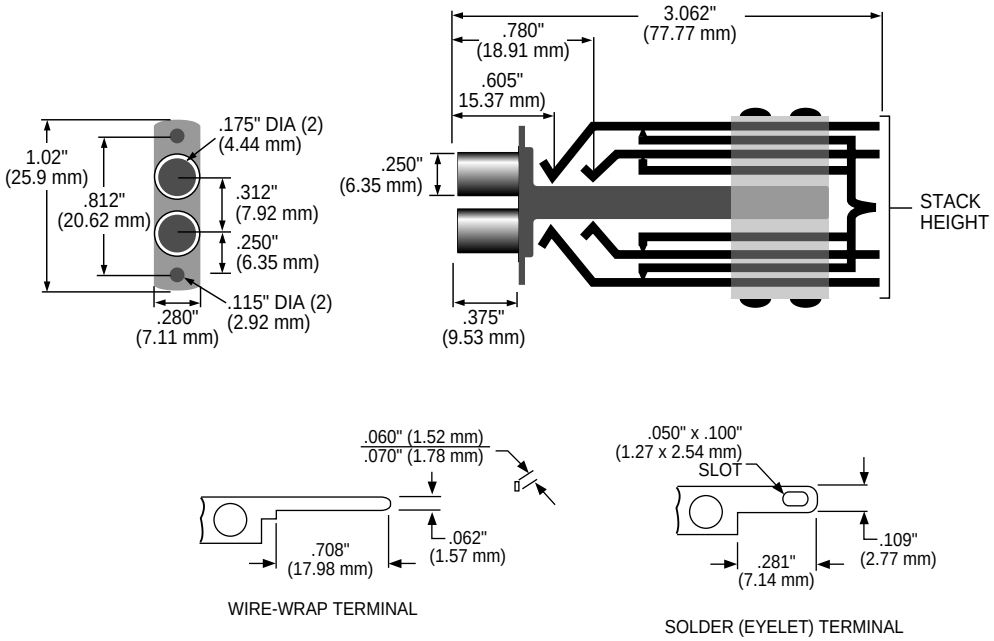


WIRE-WRAP TERMINAL

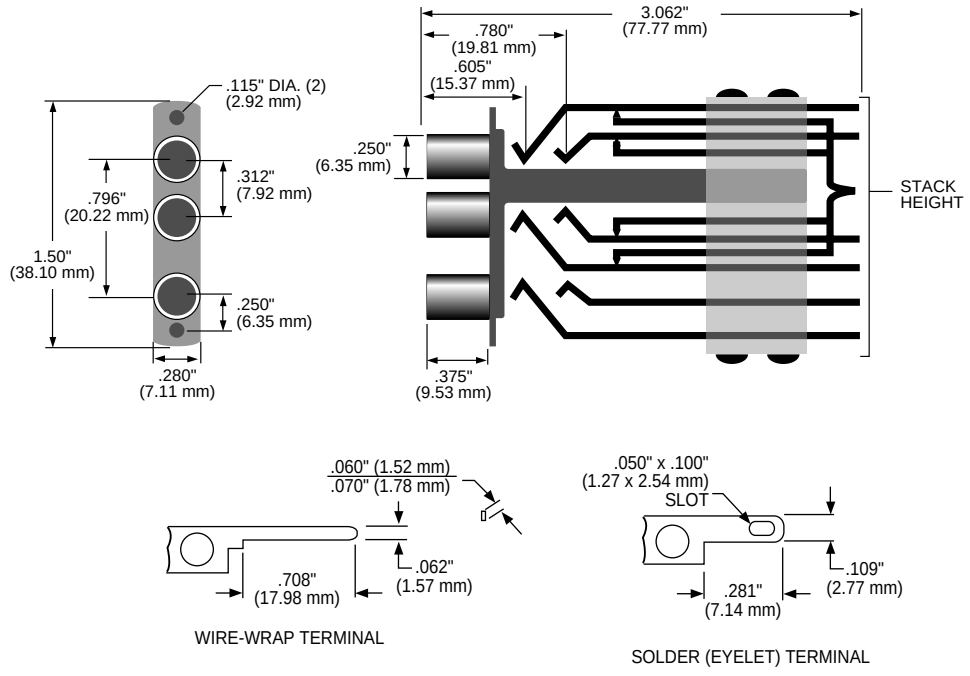


SOLDER (EYELET) TERMINAL

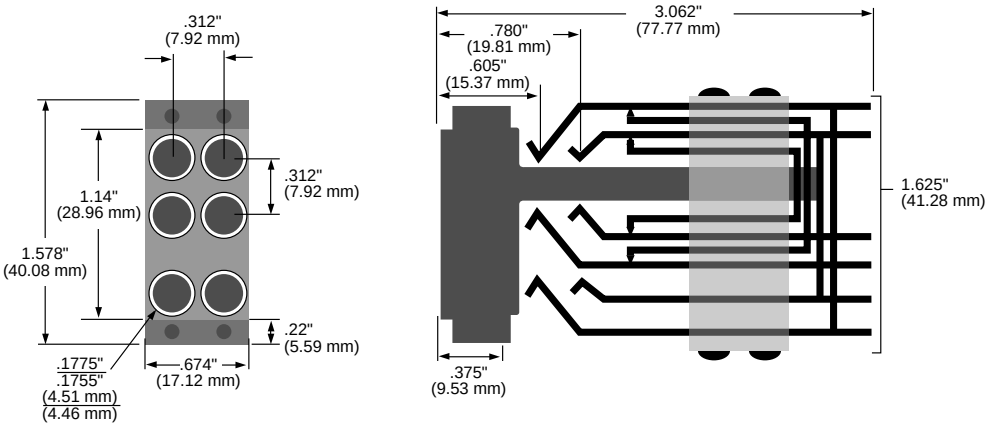
Back-to-Back Bantam Jacks



2+1 Bantam Jacks

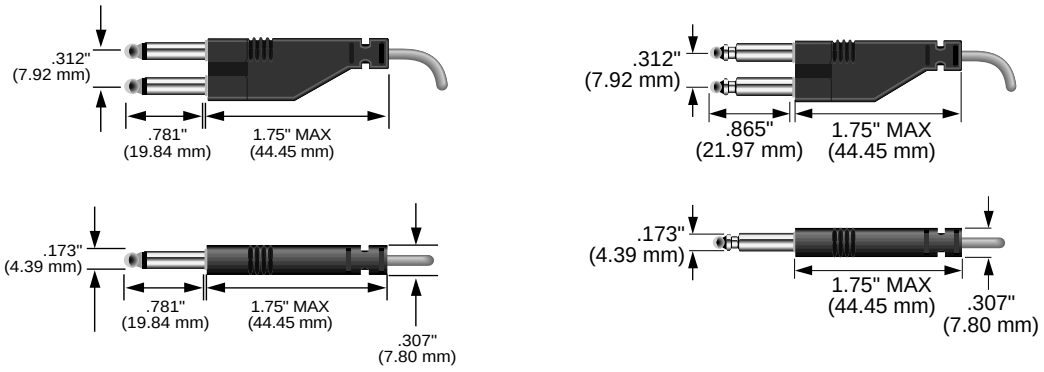


2+1 Bantam Jack Module



Bantam Patch Cords

Two and Three Conductor

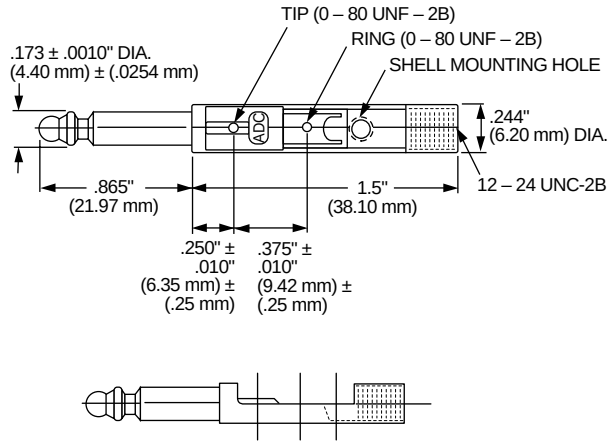


Two Conductor Patch Cords

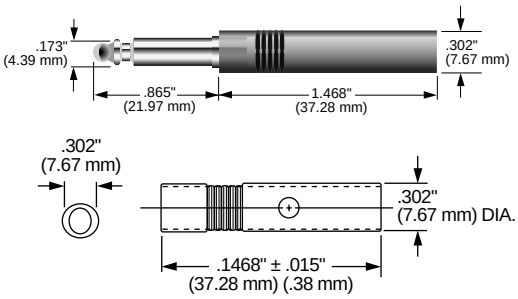
Three Conductor Patch Cords

Bantam Plugs

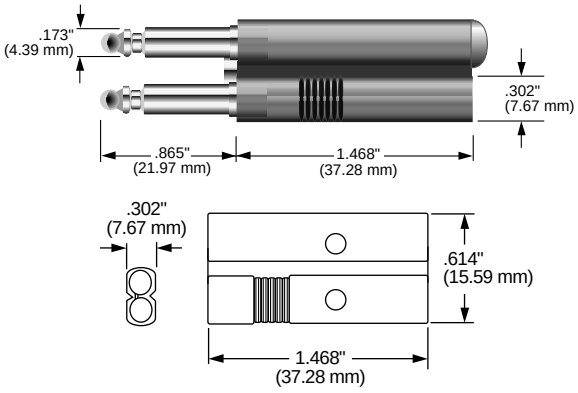
Three Conductor



Single
PJ777R
PJ777B

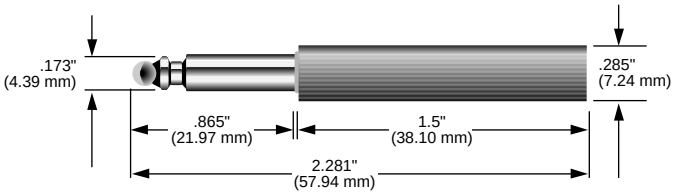


Dual
PJ778R
PJ778B

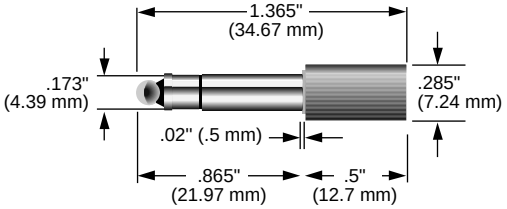


Bantam Plugs

Terminating Plug

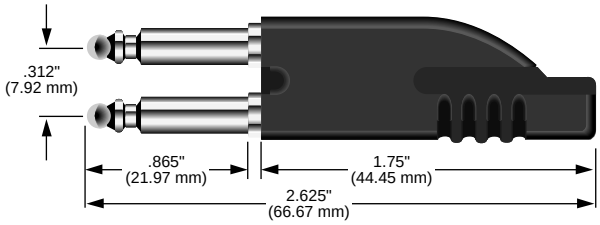


Terminating Plug

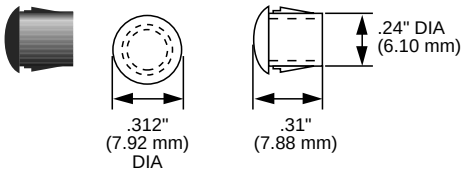


Short Profile Terminating Plug

Looping Plug

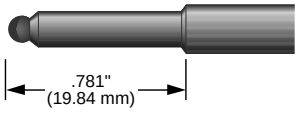


Hole Plug

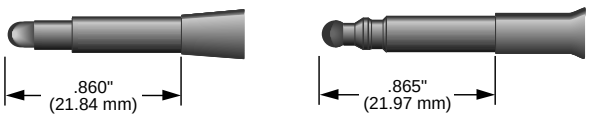


Dummy Plug

Two Conductor

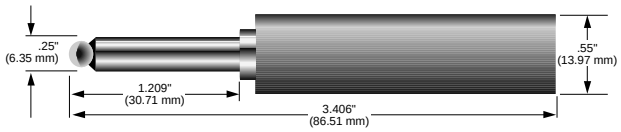


Three Conductor

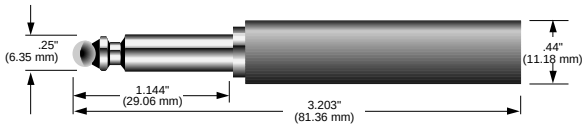


Bantam Plugs

Conversion Plugs



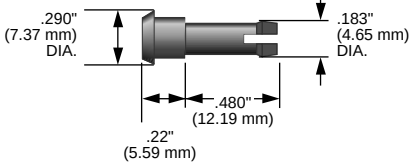
Two Conductor Conversion Plug



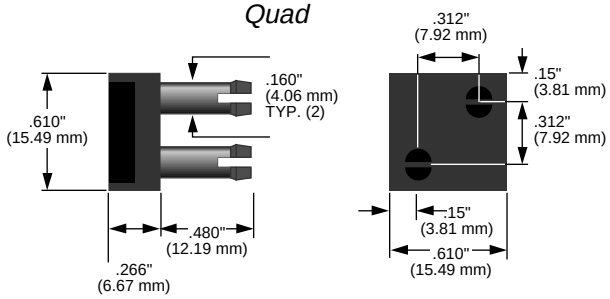
Three Conductor Conversion Plug

Circuit Guard Plugs

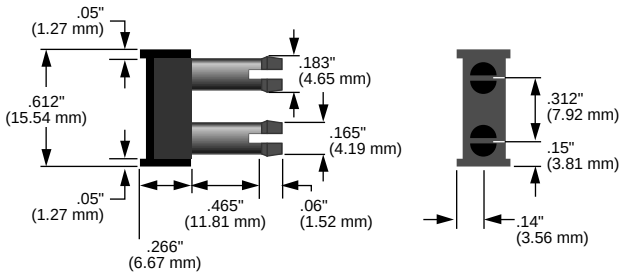
Single



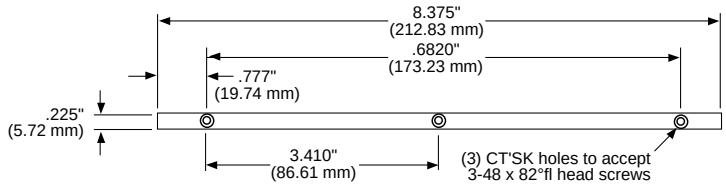
Quad

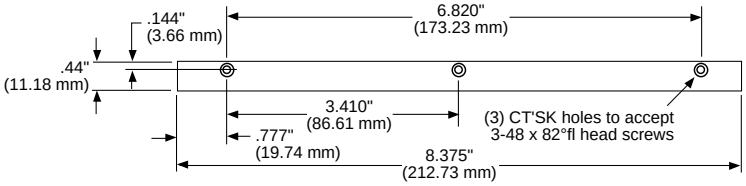


Dual

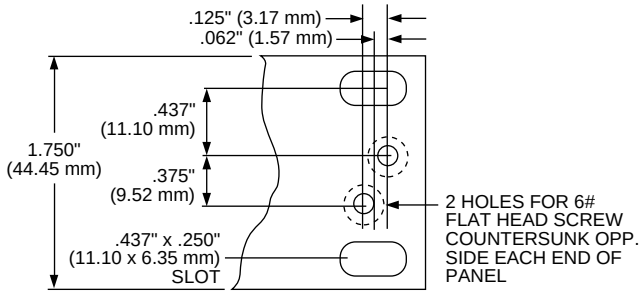


Bantam Horizontal Designation Strip Kit



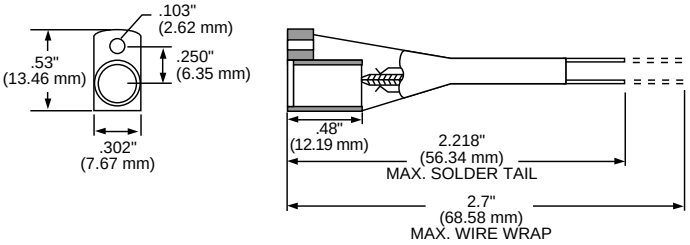


Vertical Designation Strip Kit

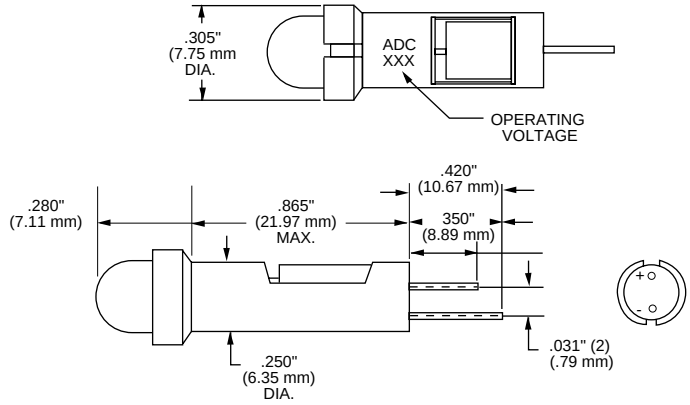


Front View

Bantam Lamp Sockets



Bantam LED Modules



Longframe Jacks
Single, Twin Jacks

ELECTRICAL

Contact Resistance:	.020 ohms maximum (initial) .020 ohms maximum (after life cycling) .10 ohms maximum (after salt spray)
Insulation Resistance:	10,000 megohms minimum (initial) 1,000 megohms minimum (after moisture resistance test)
Dielectric Withstanding Voltage:	500 VRMS
Contact Rating:	100 mA ± 130 Vdc maximum; -40 dBm minimum

MECHANICAL

Mechanical Shock:	Per MIL-STD-202F, method 213B, test condition H
Vibration:	MIL-STD-1344, method 2005 test condition I
Insertion Force:	7 lbs. (3.17 kg) maximum
Withdrawal Force:	1.5 lbs. (.679 kg) minimum
Life:	20,000 insertion/withdrawal cycles minimum

ENVIRONMENTAL

Thermal Limits:	
Operating:	-40°C to +65°C
Non-operating:	-55°C to +85°C
Thermal Shock:	Per MIL-STD-202F, method 107G, test condition A
Relative Humidity:	0% to 95% non-condensing, operating and non-operating
Salt Spray:	Per MIL-STD-202F, method 101D
Moisture Resistance:	Per MIL-STD-202F, method 106E

MATERIALS

Frame:	Steel, zinc plated with chromate conversion coating to withstand 48 hours salt spray per MIL-STD-202F, method 101D
Sleeve:	Brass, nickel plated
Insulators:	Either phenolic or thermoplastic
Springs:	Nickel-Silver
Contacts:	WECO No. 1 gold crossbar
Solder Lugs:	Hot tin dipped

Printed Circuit Board Jacks

ELECTRICAL

Contact Resistance:	20 milliohms maximum (initial) 30 milliohms maximum (after life cycling)
Insulation Resistance:	10,000 megohms (initial)
Dielectric Withstanding Voltage:	500 VRMS
Contact Rating:	100 mA dc maximum; -40 dBm minimum (Test per MIL-STD-1344, method 3002)
Insertion Loss:	<.1dB (600 ohm circuit)

MECHANICAL

Mechanical Shock:	Per MIL-STD-202F, method 213B, test condition H
Vibration:	MIL-STD-1344, method 2005, test condition I
Insertion Force:	7 lbs. (3.17 kg) maximum
Withdrawal Force:	1.5 lbs. (.679 kg) minimum; 7 lbs. (3.17 kg) maximum

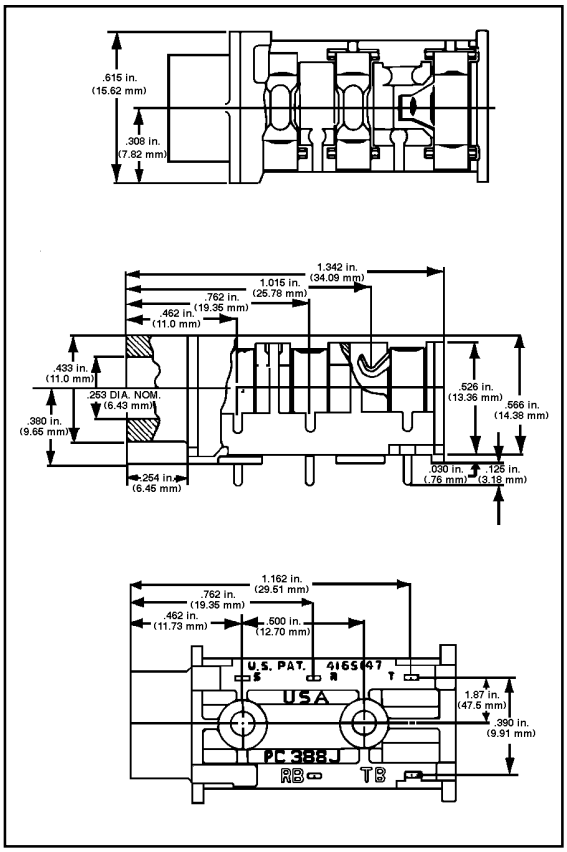
ENVIRONMENTAL

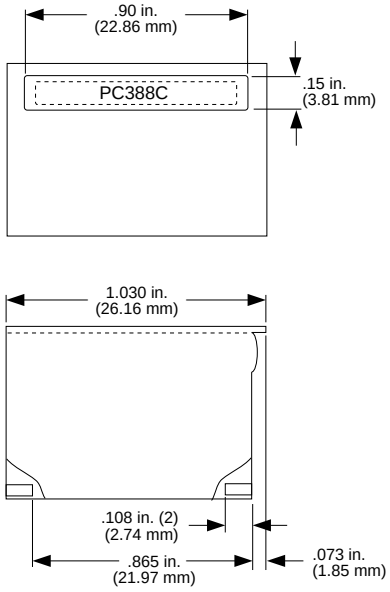
Thermal Limits	
Operating:	-40°C to +65°C
Non-operating:	-55°C to +65°C
Thermal Shock:	Per MIL-STD-202F, method 107G, test condition A
Relative Humidity:	0% to 95% non-condensing, operating and non-operating
Salt Spray:	Per MIL-STD-202F, method 101D
Moisture Resistance:	Per MIL-STD-202F, method 106E
Flow Solderability:	Per MIL-STD-46844

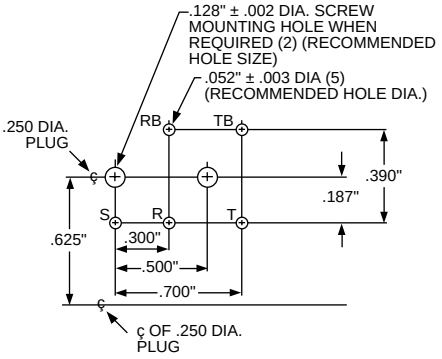
MATERIALS

Case:	Glass filled polyester (UL 94V-O rated)
Springs:	Nickel-silver alloy
Contacts:	WECO No. 1 gold crossbar
Durability:	10,000 cycles minimum when activated with a conventional plug

Longframe Printed Circuit Board Jacks

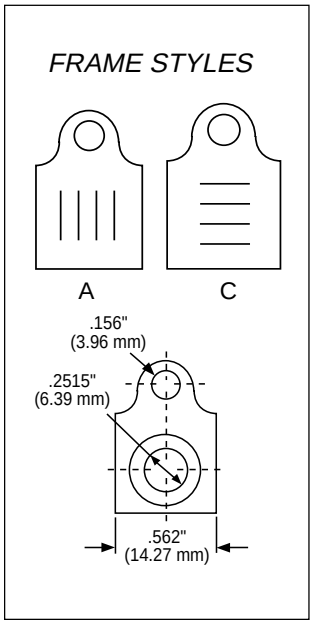


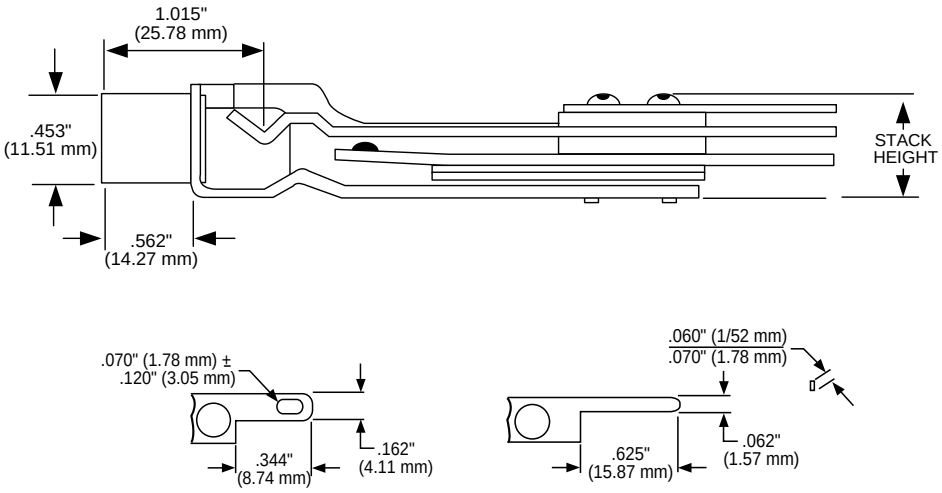




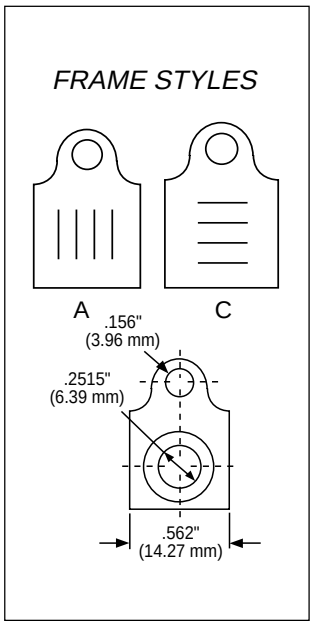
PC BOARD DRILL GUIDE
(COMPONENT SIDE OF BOARD)

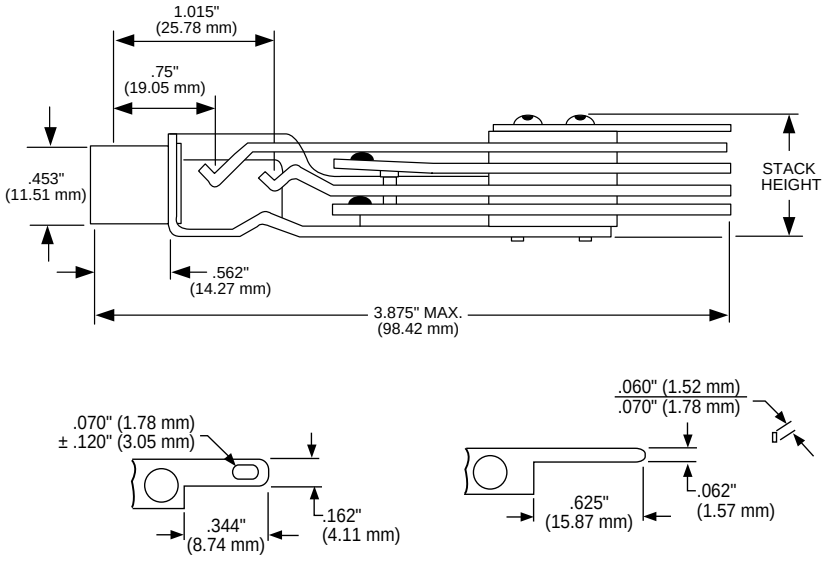
Single Longframe Jacks
Two Conductor





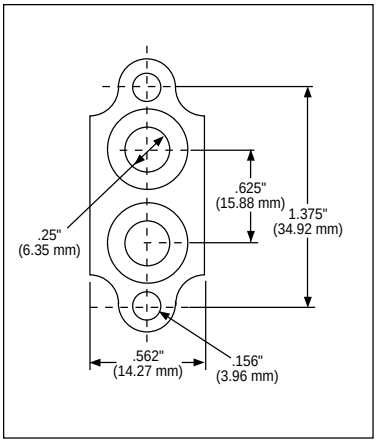
Single Longframe Jacks
Three Conductor

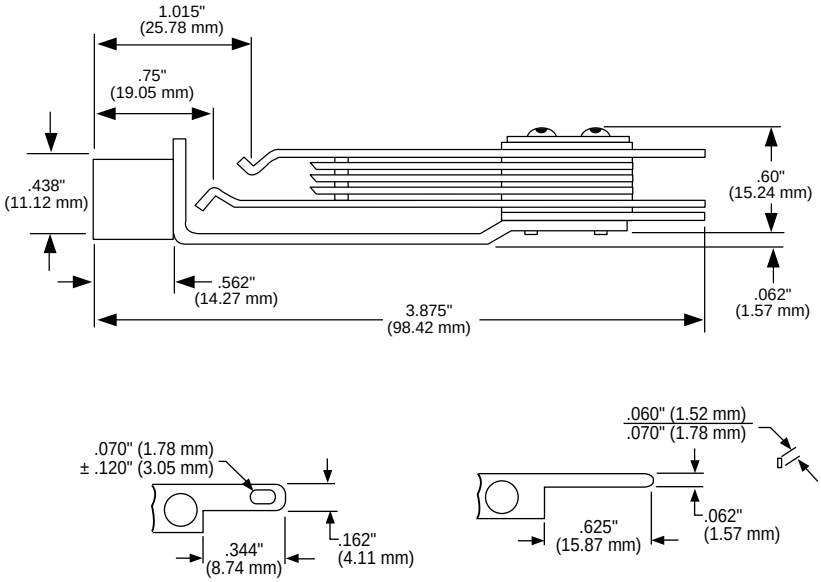




Twin Longframe Jacks

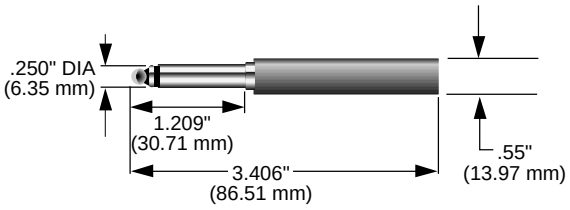
Three Conductor



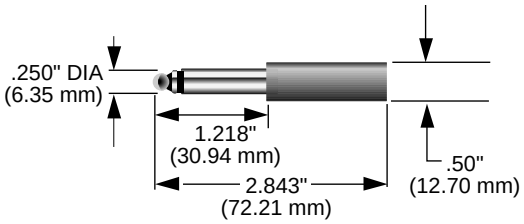


Longframe Plugs
Two Conductor

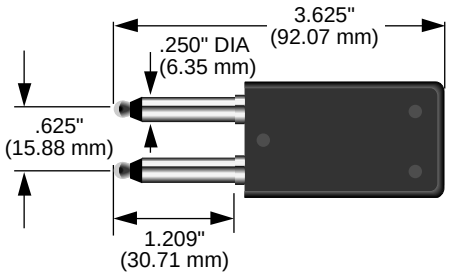
Single
PJ047R (WE-347)
PJ047B



Single
PJ055R
PJ055B

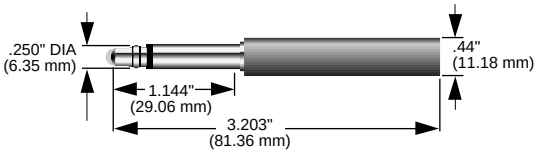


Dual
PJ327 (WE-327)

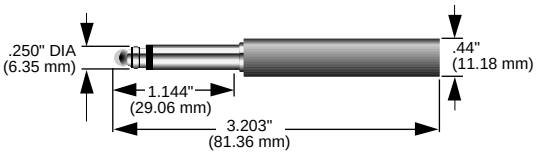


Longframe Plugs
Three Conductor

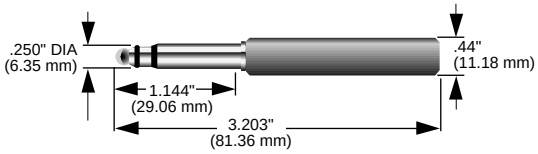
Single
PJ2 (WE-291A)



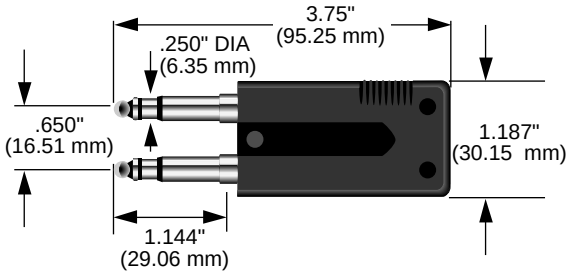
Single
PJ051R (WE-310)
PJ051B



Single
PJ310 (WE-310)

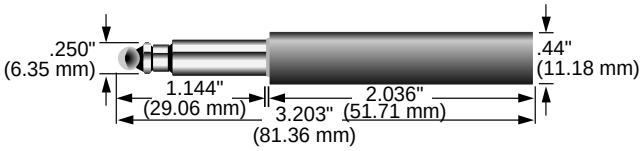


Dual
PJ7 (WE-425)

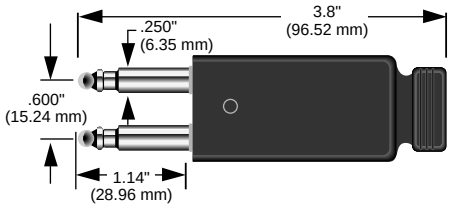


Longframe Plugs

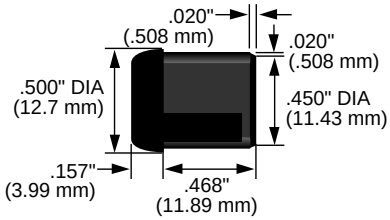
Terminating Plug



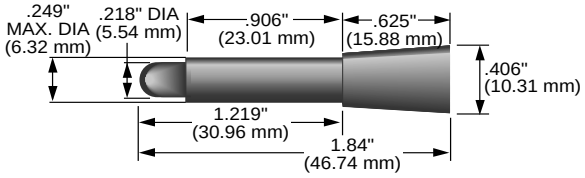
Looping Plug



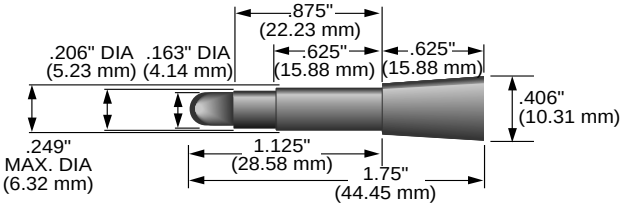
Hole Plug



Dummy Plug

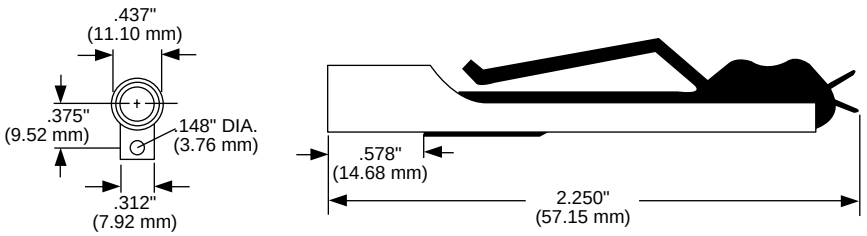


Longframe Two Conductor Dummy Plug

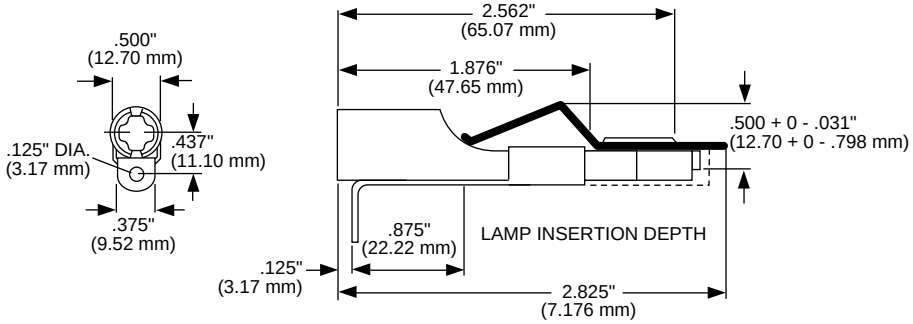


Longframe Three Conductor Dummy Plug

Longframe Lamp Sockets

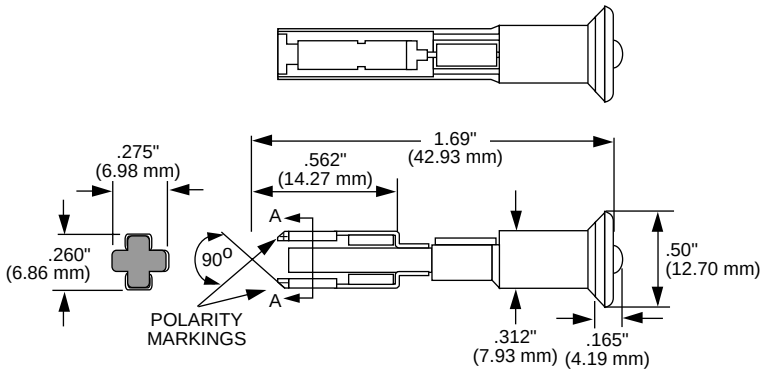


PJ157



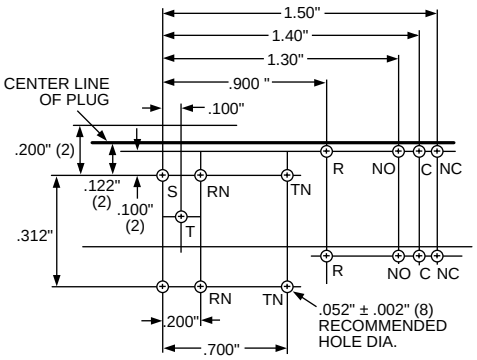
PJ160

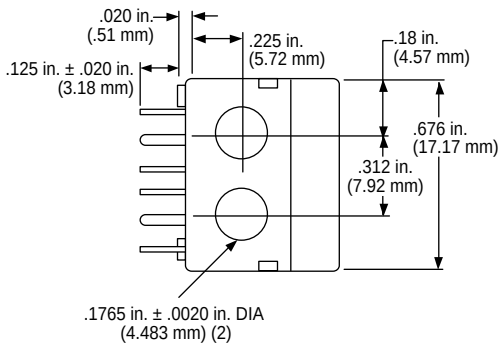
Longframe LED Modules



Bantam Printed Circuit Board Jacks

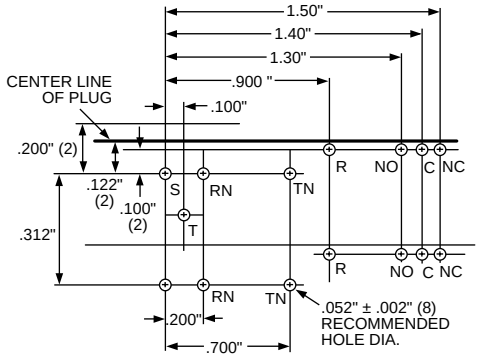
Dual Jack with Auxiliary





PC BOARD DRILL GUIDE
(COMPONENT SIDE OF BOARD)

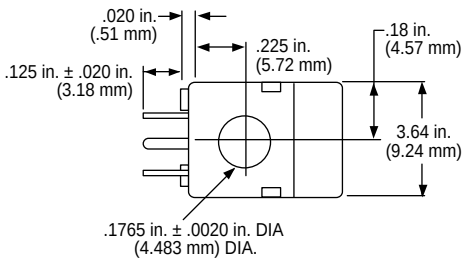
PC885

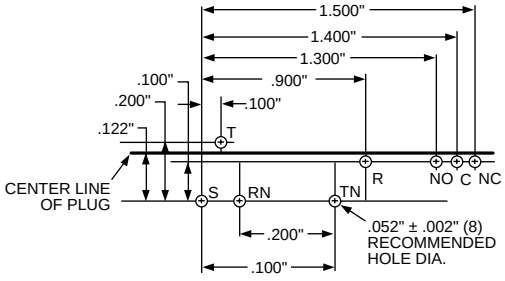


PC BOARD DRILL GUIDE
(COMPONENT SIDE OF BOARD)

PC886

Single Jack with Auxiliary

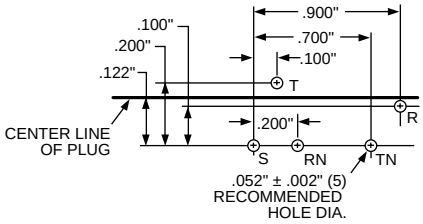




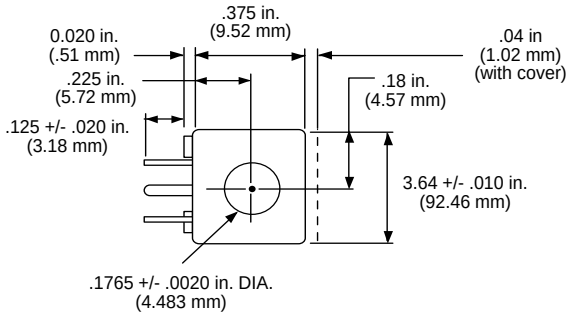
PC BOARD DRILL GUIDE
(COMPONENT SIDE OF BOARD)

Bantam Printed Circuit Board Jacks

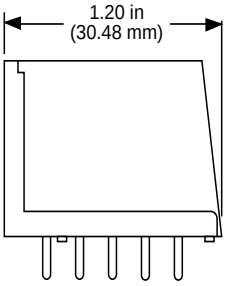
Single Jack

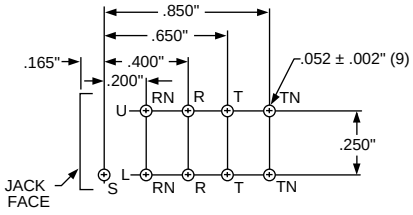


PC BOARD DRILL GUIDE
(COMPONENT SIDE OF BOARD)

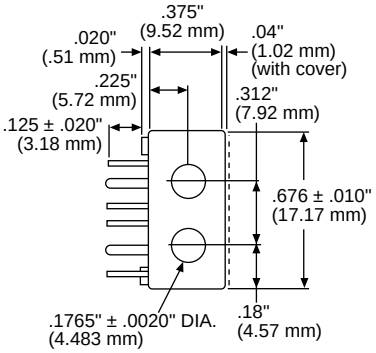


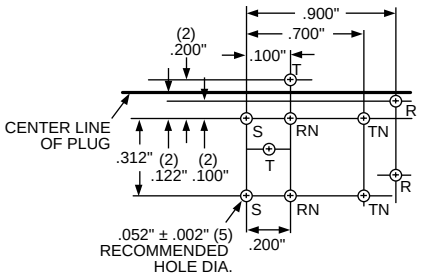
Dual Jack





PC BOARD DRILL GUIDE
(COMPONENT SIDE OF BOARD)





PC BOARD DRILL GUIDE
(COMPONENT SIDE OF BOARD)

Coaxial Jacks
Standard Size (Single)

ELECTRICAL

Characteristic Impedance:	62.5 Ω nominal
Return Loss:	≤ 20 dB; 1 MHz to 500 MHz
Contact Resistance:	.030 Ω maximum change post environment

MECHANICAL

Mechanical Shock:	Per MIL-STD-202, method 213
Vibration:	Per MIL-STD-202, method 201
Insertion Force:	7 lbs. (3.17 kg) minimum
Withdrawal Force:	1.5 lbs. (0.675 kg) minimum
Life:	10,000 insertion/withdrawal cycles minimum

ENVIRONMENTAL

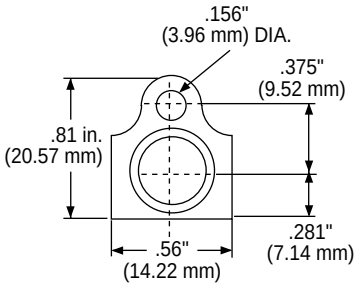
Thermal Limits	
Operating:	-40°C to +65°C
Non-operating:	-55°C to +85°C non-operating
Thermal Shock:	Per MIL-STD-202, method 107
Humidity:	0% to 95% non-condensing, operating and non-operating
Salt Spray:	Per MIL-STD-202, method 101
Moisture Resistance:	Per MIL-STD-202, method 106

MATERIAL

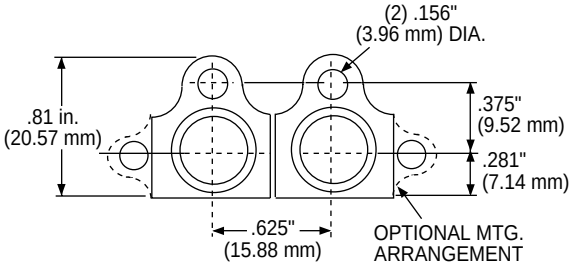
Jack Sleeve and Frame:	Brass per ASTM B16 with electro-deposited nickel plating per QQ-N-290 or electro-deposited gold plating per MIL-G-45204
Center Conductors	
.090" (.23 cm):	Berylium copper per QQ-C-533 with electro-deposited gold plating per MIL-G-45204 on contact areas only
.070" (.18 cm):	Phosphor bronze per ASTM B139 with electro-deposited gold plating per MIL-G-45204
Outer Conductor Contacts:	Phosphor bronze QQ-B-746 with electro-deposited gold plating per MIL-G-45204 or electro-deposited nickel plating per QQ-N-290
Insulators:	Rated UL 94V-0 for flammability
Crimping Sleeves:	Brass per ASTM B16 with tin plating per MIL-T-10727

INTERFACE DIMENSIONS: Outer diameter of mating plugs must be.375" (.95 cm) with pin diameter of .090" (.23 cm) or .070" (.18 cm)

MOUNTING INFORMATION: All jacks are supplied with 6-32, 5/16" Phillips head screws

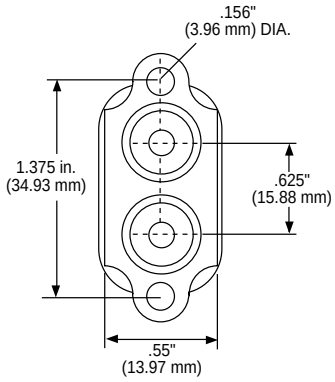


Single



Multiposition

Coaxial Jacks
Switching Coax
Standard Size (Dual)



ELECTRICAL

Insertion Loss:	0.4 dB dc to 200 MHz
Characteristic Impedance:	75 Ω nominal
Return Loss:	Better than 20 dB 300 KHz to 200 MHz relative to 75 Ω for .090" (.23 cm) diameter center conductor Better than 15 dB 300 KHz to 100 MHz relative to 50 Ω for .070" (.18 cm) diameter center conductor Better than 25 dB 300KHz to 500 MHz relative to 75 Ω for .048" (.12 cm) diameter center conductor
Contact Resistance:	.030 Ω maximum change post environment
Termination Resistor Values:	50, 75 or 93 Ω commercial, 1/8 watt 5%

MECHANICAL

Mechanical Shock:	Per MIL-STD-202, method 213, test condition I
Vibration:	Per MIL-STD-202, method 201
Insertion Force:	7 lbs. (3.17 kg) minimum
Withdrawal Force:	1 lb. (0.452 kg) minimum
Life:	10,000 insertion/withdrawal cycles (single port) minimum

ENVIRONMENTAL

Thermal Limits:	
Operating:	-40°C to +65°C operating
Non-operating:	-55°C to +85°C non-operating
Thermal Shock:	Per MIL-STD-202, method 107
Humidity:	0% to 95% non-condensing, operating and non-operating
Salt Spray:	Per MIL-STD-202, method 101
Moisture Resistance:	Per MIL-STD-202, method 106

MATERIAL

Outer Shell, Jack Bodies and Rear Connectors:	Zinc die-casting with electro-deposit0.025 ohm maximum for contacts only; 0.150 ohm for connector and associated cables.030ed gold plating per MIL-G-45204 or electro-deposited nickel plating per QQ-N-290
Center Conductors:	.090" (.23 cm): Beryllium copper per QQ-C-533 with electro-deposited gold plating per MIL-G-45204 on contact areas only .070" (.18 cm): Phosphor bronze per ASTM B139 with electro-deposited gold plating per MIL-G-45204
Insulators:	Unreinforced polyethermide resin rated UL 94V-0 for flammability
Springs:	Beryllium copper per QQ-C-533 with electro-deposited gold plating per MIL-G-45204

INTERFACE DIMENSIONS

Standard Size:	Outside diameter of mating plugs must be .375" (.95 cm) with pin diameter of .090" (.23 cm) or .070" (.18 cm).

MOUNTING INFORMATION: All jacks are supplied with (2) 6.32, round head, 5/16" Phillips head screws

Coaxial Jacks-Video

Standard Size to BNC
SVJ-2, SVJ-2T

ELECTRICAL

The SVJ-2 Family is rated to handle digital video data rates up to and including uncompressed HDTV SMPTE 292M 1.485 Gbits/sec and L band and lower S band satellite signals.

Rated Bandwidth:	2.4 GHz
Return Loss:	Better than -20 dB to 2.4 GHz
Characteristic Impedance:	75 ohms
Insertion Loss:	<.5 dB Loss to 2.4 GHz
Center Conductor Diameter:	accepts .09 center conductor
Contact Resistance:	less than 20 milliohms
Termination Resistor:	75Ω, ± 1%

MECHANICAL

Mechanical Shock:	Per MIL-STD-202, Method 213 Test condition G
Vibration:	Per MIL-STD-202, Method 201
Insertion Force:	12 lbs. maximum
Withdrawal Force:	3 lbs. minimum
Life Cycles:	20,000

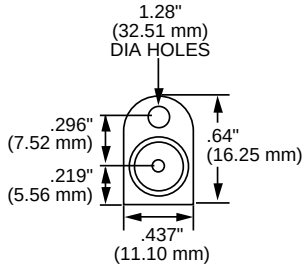
MATERIAL

Body and Cover:	Zinc diecast per ASTM B86
Front and Rear Center Conductors:	Phosphor Bronze per ASTM B139
Insulators:	Polyethermide resin rated UL 94V-0
Switching Springs:	Beryllium Copper per ASTM B196

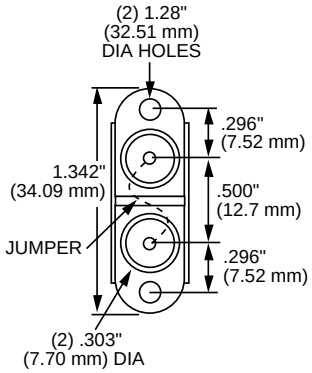
ENVIRONMENTAL

Temperature	
Operating:	-40°C to 65°C
Storage:	-55°C to 85°C
Thermal Shock:	per MIL-STD-202, Method 107
Humidity	
Operating:	0% to 95% (no condensation)
Storage:	0% to 95% (no condensation)
Salt Spray:	Per MIL-STD-202, Method 101
Moisture Resistance:	Per MIL-STD-202, Method 106
Dust Resistance:	Per MIL-STD-202, Method 110A

Coaxial Jacks
Midsize



Single



Multiposition

ELECTRICAL

Characteristic Impedance:	75 Ω nominal
Return Loss:	≤ 25 dB; 1 MHz to 500 MHz
Contact Resistance:	.030 Ω maximum change post environment

MECHANICAL

Mechanical Shock:	Per MIL-STD-202, method 213
Vibration:	Per MIL-STD-202, method 201
Insertion Force:	7 lbs. (3.17 kg) minimum
Withdrawal Force:	1.5 lbs. (0.675 kg) minimum
Life:	20,000 insertion/withdrawal cycles minimum

ENVIRONMENTAL

Thermal Limits	
Operating:	-40°C to +65°C
Non-operating:	-55°C to +85°C
Thermal Shock:	Per MIL-STD-202, method 107
Humidity:	0% to 95% non-condensing, operating and non-operating
Salt Spray:	Per MIL-STD-202, method 101
Moisture Resistance:	Per MIL-STD-202, method 106

MATERIAL

Jack Sleeve and Frame:	Brass per ASTM B16 with electro-deposited gold plating per MIL-G-45204 or electro-deposited nickel plating per QQ-N-290
Center Conductors:	Phosphor bronze per ASTM B139 with electro-deposited gold plating per MIL-G-45204
Outer Conductor Contacts:	Phosphor bronze QQ-B-746 with electro-deposited gold plating per MIL-G-45204 or electro-deposited nickel plating per QQ-N-290
Insulators:	Rated UL 94V-0 for flammability

INTERFACE DIMENSIONS: Outside diameter of mating plugs must be .298" (.75 cm) with pin diameter of .048" (.12 cm)

MOUNTING INFORMATION: All jacks are supplied with 6-32, 5/16" Phillips head screws

Coaxial Jacks-Video

Midsize to BNC
MVJ-3, MVJ-3T

ELECTRICAL

The MVJ-3 Family is rated to handle digital video data rates up to and including uncompressed HDTV SMPTE 292M 1.485 Gbits/sec plus L band and lower S band satellite signals.

Rated Bandwidth:	1 MHz to 3 GHz
Return Loss:	Better than -17 dB to 3 GHz
Characteristic Impedance:	75 Ω
Insertion Loss:	.3 dB Loss to 3 GHz
Center Conductor Diameter:	.048" (.12cm)
Contact Resistance:	.01W maximum change
Termination Resistor:	75Ω, MVJ-3T only

MECHANICAL

Mechanical Shock:	Per MIL-STD-202, Method 213
Vibration:	Per MIL-STD-202, Method 201
Insertion Force:	7lbs (3.17 Kg) maximum
Withdrawal Force:	1 lb. (.452 Kg) minimum
Life Cycles:	20,000

MATERIAL

Body and Cover:	Zinc alloy per ASTM B86
Front and Rear Center Conductors:	Beryllium Copper per ASTM B196
Insulators:	Unreinforced polyetherimide resin rated UL94-VO for flammability
Switching Springs:	Beryllium copper per ASTM B196

ENVIRONMENTAL

Temperature	
Operating:	-40°C to 65°C
Storage:	-40°C to 65°C
Thermal Shock:	per MIL-STD-202, Method 107
Humidity	
Operating:	0% to 95% (no condensation)
Storage:	0% to 95% (no condensation)
Salt Spray:	Per MIL-STD-202, Method 101
Moisture Resistance:	Per MIL-STD-202, Method 106
Dust Resistance:	Per MIL-STD-202, Method 110

Coaxial Plugs
Standard Size

ELECTRICAL

Characteristic Impedance:	62.5 Ω nominal
Return Loss:	Better than 20 dB 300 KHz to 500 MHz
Contact Resistance:	.030 Ω maximum change post environment

MECHANICAL

Mechanical Shock:	Per MIL-STD-202, method 213
Vibration:	Per MIL-STD-202, method 201
Life:	500 insertion/withdrawal cycles minimum

ENVIRONMENTAL

Thermal Limits:	
Operating:	-40°C to +65°C
Non-Operating:	-55°C to +85°C
Thermal Shock:	Per MIL-STD-202, method 107
Humidity:	0% to 95% non-condensing, operating and non-operating
Salt Spray:	Per MIL-STD-202, method 101
Moisture Resistance:	Per MIL-STD-202, method 106

MATERIAL

Plug Barrel:	Brass per ASTM B16 with electro-deposited gold plating per MIL-G-45204 or electro-deposited nickel plating per QQ-N-290
Center Conductors:	Brass per ASTM B16 with gold plating per MIL-G-45204
Shells:	Single and terminating plugs: Brass per ASTM B16 with electro-deposited nickel plating per QQ-B-290 Looping plugs: plating grade ABS (UL 94H-B) or high impact grade ABS (UL 94V-O)
Insulators:	Rated UL 94V-0 for flammability
Crimping Sleeves:	Brass with tin plating per MIL-T-10727A

INTERFACE DIMENSIONS: Inside diameter of mating jacks must be .381" (.97 cm) sized to mate with either .090" (.23 cm) or .070" (.18 cm) center conductor plug pin

Coaxial Plugs
Midsize

ELECTRICAL

Characteristic Impedance:	75 Ω nominal
Return Loss:	Better than 25 dB 300 KHz to 500 MHz
Contact Resistance:	.030 Ω maximum change post environment

MECHANICAL

Mechanical Shock:	Per MIL-STD-202, method 213
Vibration:	Per MIL-STD-202, method 201
Life:	500 insertion/withdrawal cycles minimum

ENVIRONMENTAL

Thermal Limits	
Operating:	-40°C to +65°C operating
Non-operating:	-55°C to +85°C non-operating
Thermal Shock:	Per MIL-STD-202, method 107
Humidity:	0% to 95% non-condensing, operating and non-operating
Salt Spray:	Per MIL-STD-202, method 101
Moisture Resistance:	Per MIL-STD-202, method 106

MATERIAL

Plug Barrel:	Brass per ASTM B16 with electro-deposited gold plating per MIL-G-45204 or electro-deposited nickel plating per QQ-N-290
Center Conductors:	Brass per ASTM B16 with gold plating per MIL-G-45204
Shells:	Single and terminating plugs: Brass per ASTM B16 with electro-deposited nickel plating per QQ-B-290 Looping plugs: plating grade ABS (UL 94H-B)
Insulators:	Rated UL 94V-0 for flammability

INTERFACE DIMENSIONS: Inside diameter of mating jacks must be .304" (.77 cm) sized to mate with .048" (.12 cm) center conductor plug pin

Coaxial Jack Panels

PJ37, PJ30, PJ36, PJ31 PANELS

Thermoset:	Plastic per MIL-M-14F, type CFG, black
Mounting Brackets:	PJ30, PJ37, PJ36: 12 GA steel with zinc plated and chromate finish PJ31: Zinc die cast, black lacquer finish

PPI PANELS

Panel:	5052-H32 aluminum
Back Bar:	X-115 black paper phenolic
Finish :	Baked enamel finish

DP216

Panel:	X-115 black paper phenolic
Reinforcing Strip:	CRS (cold rolled steel): .060" (.15 cm) thick; finished with black epoxy resin
Mounting Brackets:	12 gauge CRS (cold rolled steel): .104" (.26 cm) thick; finished with black epoxy resin

CJ1535

Panel:	6063-T4 extruded aluminum
Insert:	Glass reinforced thermoplastic polyester per MIL-P-46161 (MR) Grade B, Class 3
Panel Plating:	Etched matte finish and sulfuric acid coating

CJ1530

Panel:	Glass reinforced thermoplastic polyester per MIL-P-46161 (MR)

LCJ Connectors

ELECTRICAL

Contact Resistance:	.030 Ω maximum change post environment
Insulation Resistance:	200 megaohms minimum post environment
Characteristic Impedance:	75 Ω *(75 Ω unbalanced to 120 Ω balanced for horizontal PC mount jack with balun)*
Voltage Rating:	1500VRMS *(specification does not apply to horizontal PC mount jack with balun) jack with balun)*
Insertion Loss:	Better than 1.5 dB 300 KHz to 1 GHz *(Better than 1.6 dB 300 KHz to 10 MHz for horizontal PC mount jack with balun)*
Return Loss	
Vertical PC Mount Jack:	Better than 26 dB 1 Mhz to 1 GHz
Horizontal PC Mount Jack with Balun:	Better than 20 dB to 3 MHz; ≥15 dB to 10 MHz
Horizontal PC Mount Jack without Balun:	Better than 20 dB 300 KHz to 750 MHz; Better than 15 dB 750 MHz to 1 GHz
Bulkhead Feedthrough Adapter:	Better than 26 dB 300 KHz to 1 GHz
Panel Mount Cable Connector:	Better than 26 dB 300 KHz to 1 GHz

MECHANICAL

Mechanical Durability:	500 cycles minimum
Center Contact Retention:	4 lbs. minimum
Coupling Mechanism Retention:	10 lbs. minimum
Forge to Engage/Disengage:	1 lb. minimum; 12 lbs. maximum

ENVIRONMENTAL

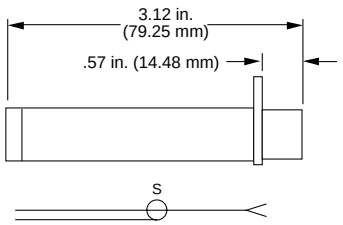
Thermal Shock	
operating:	-40°C to 65°C
non-operating:	-55°C to 85°C
Moisture Resistance:	0 to 95%; MIL-STD-202 Method 106
Corrosion: (salt spray):	MIL-STD-202, Method 101, Test Condition B
Solvent Resistance:	MIL-STD-202, Method 215,
Vibration:	MIL-STD-202, Method 204, Test Condition B
Solderability:	MIL-STD-202, Method 208

FINISH

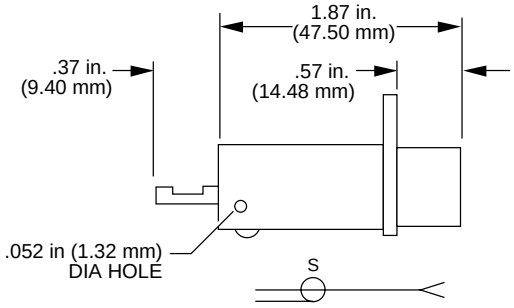
Body:	Electroless nickel plated tarnish resistant
Center Conductor:	50 millionths inch plating MIL-G-45024 type 1, Grade C, Class 1

Coaxial Jacks

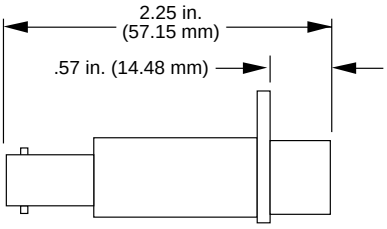
Single Jacks
Standard Size



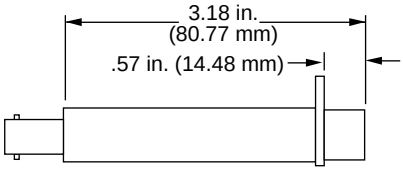
CJ1000X, CJ1017X, CJ1100X



CJ1010

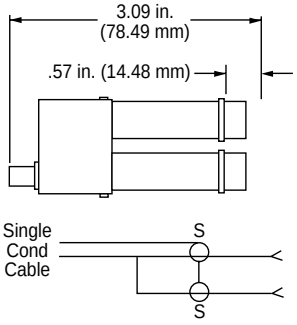


CJ1011X

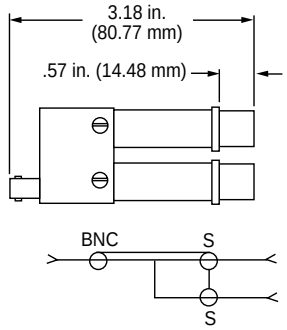


CJ2011X

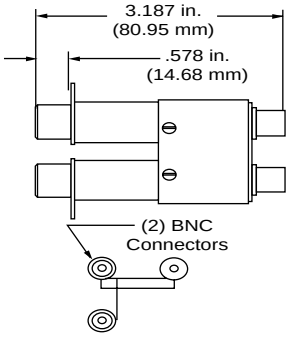
Multiposition
Standard Size



CJ1303X



CJ1014X

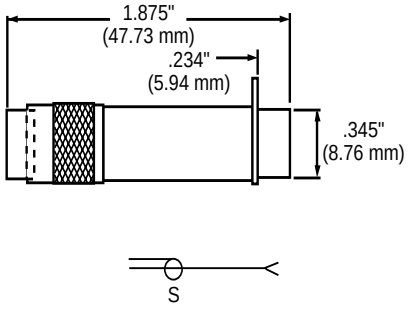


CJ2065X

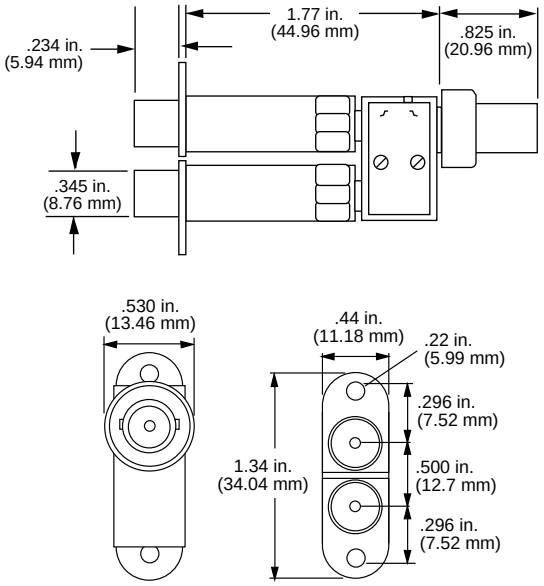
Coaxial Jacks

Single Jacks

Midsize



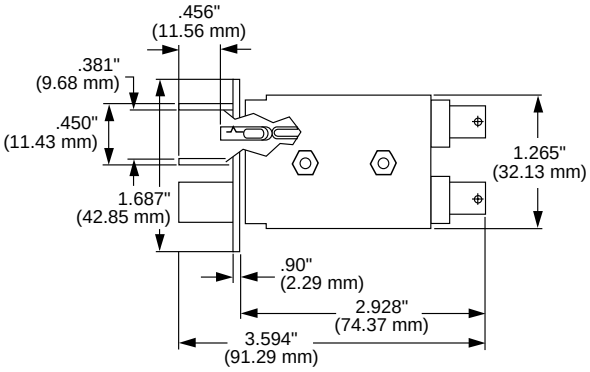
CJ1512X



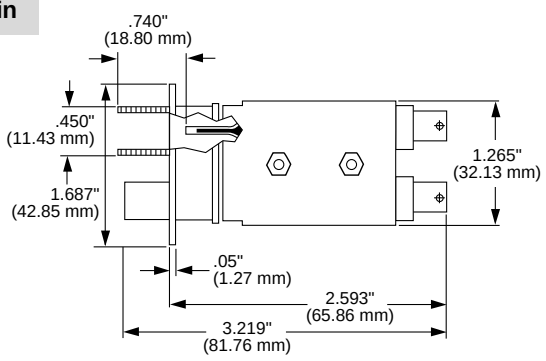
JCK-100002

Switching Coax Jacks

Dual Jacks



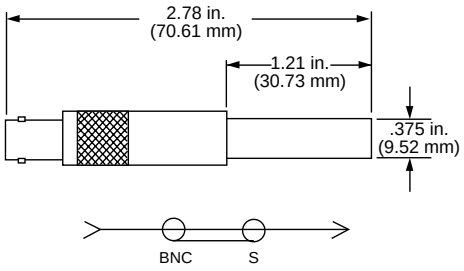
SJ2000X Series – .090" (2.29 mm) Pin



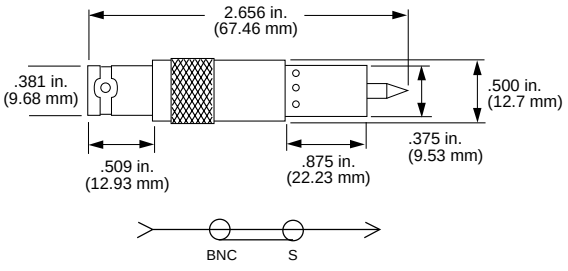
SJ2000X Series – .070" (1.78 mm) Pin

Coaxial Plugs

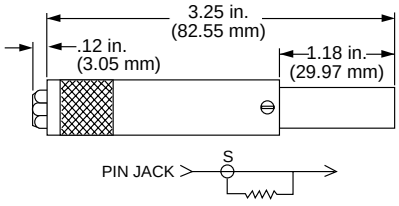
Single Plugs
Standard Size



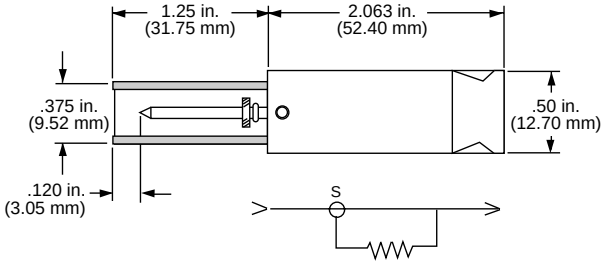
CP1051X



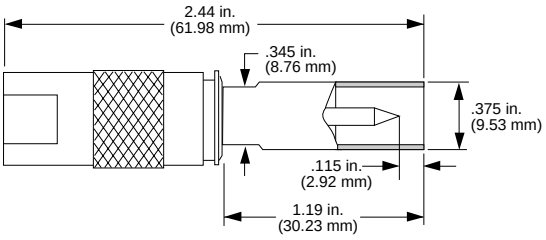
CP1051MX



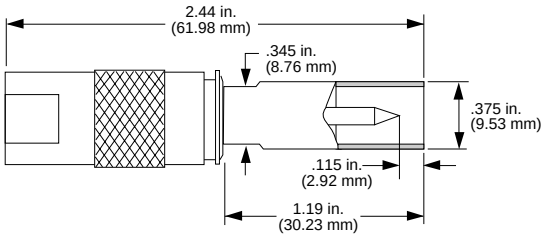
CP1047X, CP1147X



CP1900



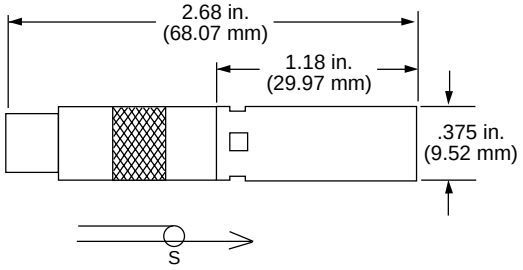
PGS-100016



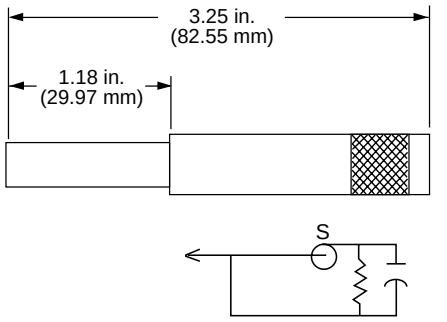
PGS-100017

Coaxial Plugs

Single Plugs
Standard Size

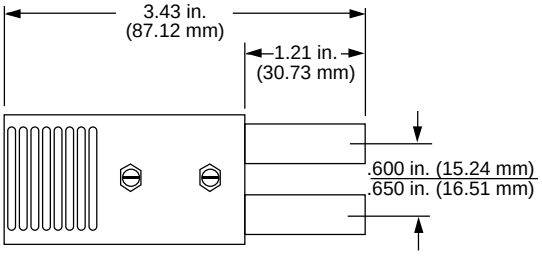


CP1040X

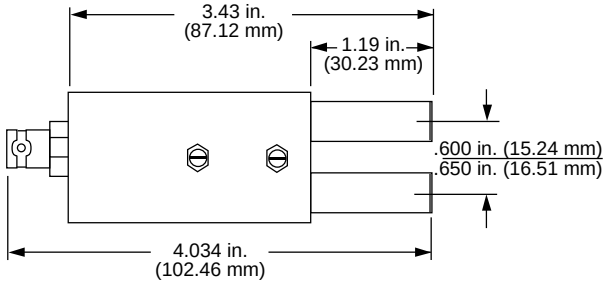


CP1041X, CP1048X, CP1141X

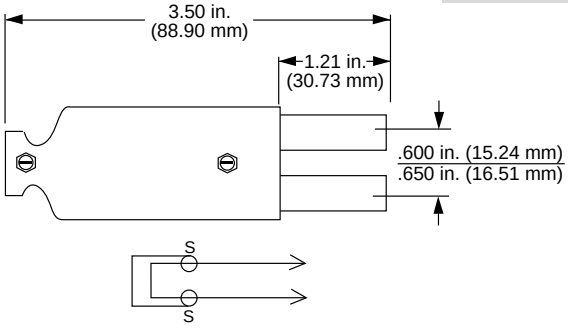
Dual Plugs
Standard Size



CP1042X, CP1142N



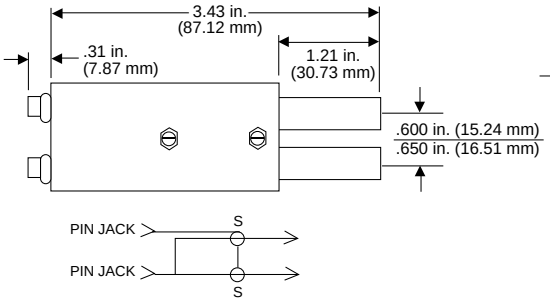
CP2001



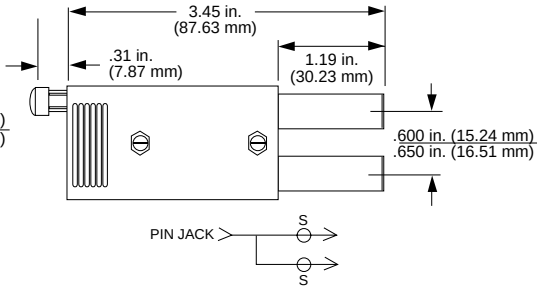
CP1063X

Coaxial Plugs

Dual Plugs
Standard Size

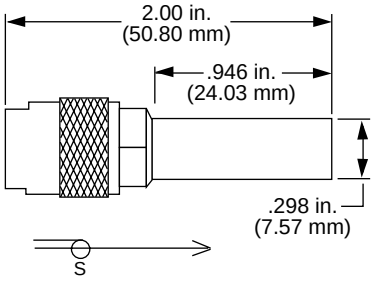


CP1043X

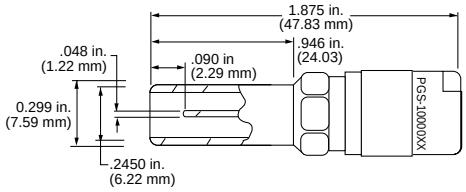


CP1090X

Single Plugs
Midsize

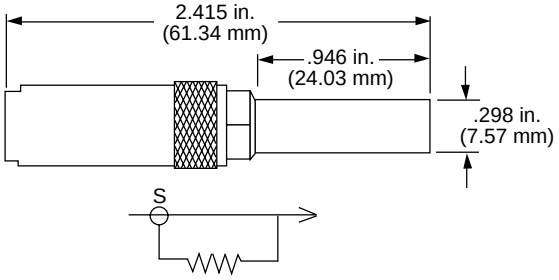


CP1540X, CP1541X, CP1542X



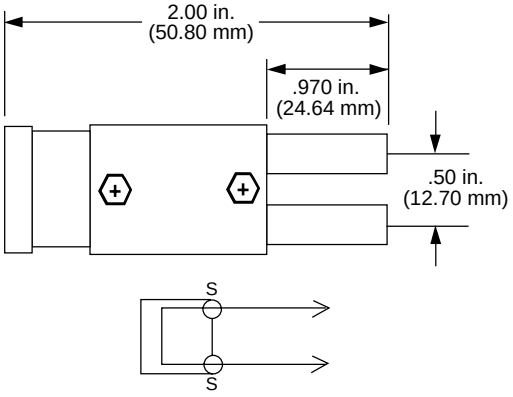
PGS-100018

Single Terminating Plug
Midsize



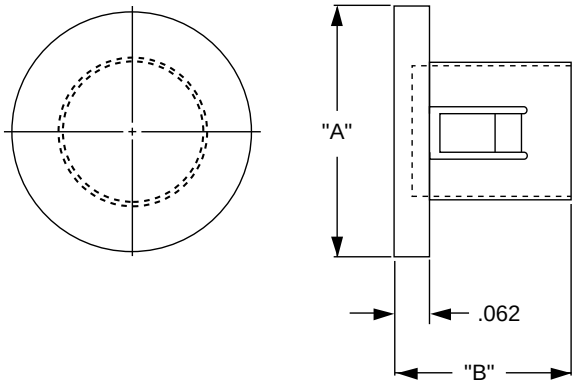
CP1501X

Dual Looping Plug



CP1500X

Coaxial Circuit Guard Plugs



Straight BNC Connectors

ELECTRICAL

Characteristic Impedance:	75 Ω
Voltage Rating:	1000 Volts RMS
Insertion Loss:	< 0.6 dB 1 MHz to 1 GHz (measured with 1 meter of 728 cable)
Return Loss:	Better than 26 dB 1 MHz to 3 GHz
Contact Resistance:	.030 Ω maximum change post environmental
Insulation Resistance:	200 megaohms minimum change

MECHANICAL

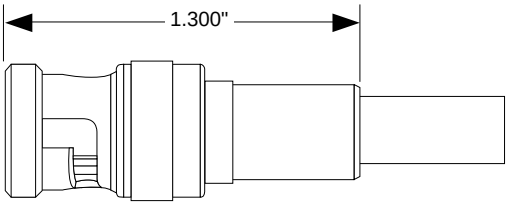
Mechanical Durability:	500 cycles minimum
Center Contact Retention:	4 lbs. minimum
Coupling Mechanism:	100 lbs. minimum
Cable Bend and Twist:	500 cycles minimum
Force to Engage/Disengage:	Torque 2.5 in/lb maximum; longitudinal force 3 lbs. maximum
Interface Dimension:	MIL-C-39012 except 75 Ω

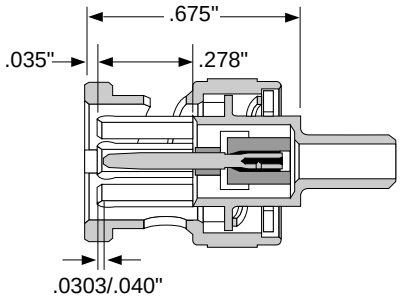
ENVIRONMENTAL

Thermal Shock:	-40°C to 65°C operating; -55°C to 85°C non-operating
Moisture Resistance:	0 to 95%; MIL-STD-202 Method 106
Corrosion (Salt Spray):	MIL-STD-202 Method 101, Test Condition B
Flammability:	UL 94-VO rated (center conductor insulator)
Vibration:	MIL-STD-202 Method 201
Solvent Resistance:	MIL-STD-202 Method 215

FINISH

Body/Bayonet:	Electroless nickel plate tarnish resistant
Center Conductor:	50 millionths inch gold plating MIL-G-45204 Type 1, Grade C, Class 1; requires .042" crimp station die





BNC Right Angle Connectors

ELECTRICAL

Characteristic Impedance:	75 Ω
Voltage Rating:	1000 Volts RMS
Insertion Loss:	< 0.6 dB 1 MHz to 1 GHz (measured with 1 meter of 728 cable)
Return Loss:	Better than 26 dB 1 MHz to 1 GHz
Contact Resistance:	.030 Ω maximum change post environmental
Insulation Resistance:	200 megaohms minimum change

MECHANICAL

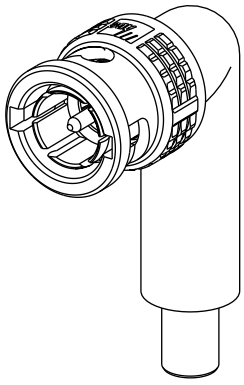
Mechanical Durability:	500 cycles minimum
Center Contact Retention:	4 lbs. minimum
Coupling Mechanism:	100 lbs. minimum
Cable Bend and Twist:	500 cycles minimum
Force to Engage/Disengage:	Torque 2.5 in/lb maximum; longitudinal force 3 lbs. maximum
Interface Dimension:	MIL-C-39012 except 75 Ω

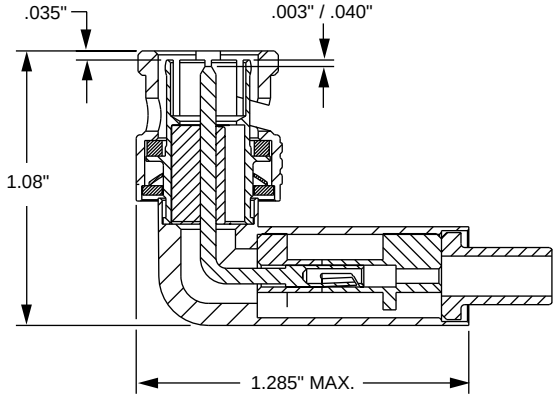
ENVIRONMENTAL

Thermal Shock:	-40°C to 65°C operating; -55°C to 85°C non-operating
Moisture Resistance:	0 to 95%; MIL-STD-202 Method 106
Corrosion (Salt Spray):	MIL-STD-202 Method 101, Test Condition B
Flammability:	UL 94-VO rated (center conductor insulator)
Vibration:	MIL-STD-202 Method 201
Solvent Resistance:	MIL-STD-202 Method 215

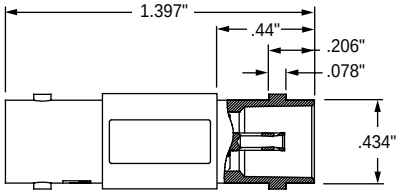
FINISH

Body/Bayonet:	Electroless nickel plate tarnish resistant
Center Conductor:	50 millionths inch gold plating MIL-G-45204 Type 1, Grade C, Class 1; requires .042" crimp station die

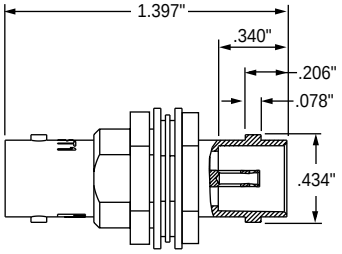




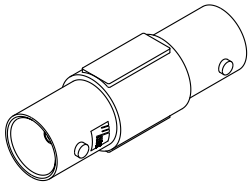
BNC Adapters



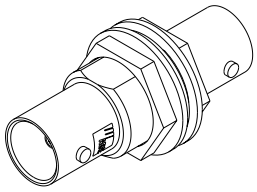
Straight Adapter (cutaway)



Bulkhead Feed through (cutaway)



BNC Straight Adapter



BNC Bulkhead Feed Through

ELECTRICAL

Characteristic Impedance:	75 Ω
Voltage Rating:	1500 Volts RMS
Insertion Loss:	Better than 0.20 dB 1 MHz to 2 GHz
Return Loss:	Better than 30 dB to 1 GHz; better than 20 dB to 2 GHz
Contact Resistance:	.030 Ω maximum change post environmental
Insulation Resistance:	5000 megaohms minimum change

MECHANICAL

Mechanical Durability:	500 cycles minimum
Center Contact Retention:	6 lbs. minimum
Coupling Mechanism:	100 lbs. minimum
Cable Bend and Twist:	500 cycles minimum
Force to Engage/Disengage:	Torque 2.5 in/lb maximum; longitudinal force 3 lbs. maximum
Interface Dimension:	MIL-C-39012 except 75 Ω

ENVIRONMENTAL	-40°C to 65°C operating; -55°C to 85°C non-operating
Thermal Shock:	0 to 95%; MIL-STD-202 Method 106
Moisture Resistance:	MIL-STD-202 Method 101, Test Condition B
Corrosion (Salt Spray):	UL 94-VO rated (center conductor insulator)
Flammability:	MIL-STD-202 Method 204, Test Condition B
Vibration:	MIL-STD-202 Method 215
Solvent Resistance:	

FINISH	Electroless nickel plate tarnish resistant
Body/Bayonet:	50 millionths inch gold plating MIL-G-45204 Type 1,
Center Conductor:	Grade C, Class 1

BNC Terminating Plugs

ELECTRICAL

Characteristic Impedance:	75 Ω
Termination resistance (resistor value):	75 Ω ± 0.1%
Return Loss:	
Standard Product:	Better than 18 dB from 300 KHz to 1 GHz
BNC-TP2 and BNC-TP2-P (precision):	Better than 26 dB from 300 KHz to 1 GHz and better than 20 dB to 2 GHz

MECHANICAL

Mechanical Durability:	500 cycles minimum
Coupling Mechanism:	100 lbs. minimum
Mechanical Shock:	MIL-STD-202, Test Method 213
Interface Dimensions:	MIL-C-39012 except 75 Ω

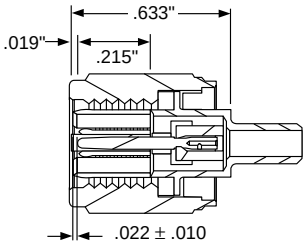
ENVIRONMENTAL

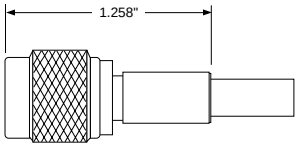
Thermal Shock	
Operating:	-40°C to 65°C (-40°F to 149°F)
Storage:	-55°C to 85°C (-67°F to 185°F)
Moisture Resistance:	0 to 95% relative humidity, tested to MIL-STD-202, Method 106
Corrosion (salt spray):	MIL-STD-202 Method 101 Test Condition B
Temperature Rating:	125°C (257°F) maximum
Vibration:	MIL-STD-202 Method 201

FINISH

Body/Bayonet:	Tarnish resistant electroless nickel plating
Center Conductor:	50 millionth inch gold plating MIL-C-45204 Type 1, Grade C, Class 1

TNC Connector





ELECTRICAL

Characteristic Impedance:	75 Ω
Voltage Rating:	1000 Volts RMS
Insertion Loss:	< 0.6 dB 1 MHz to 1 GHz (measured with 1 meter of 728 cable)
Return Loss:	≤ -26 dB 1 MHz to 1 GHz
Contact Resistance:	.030 Ω maximum post environmental
Insulation Resistance:	200 megaohms minimum

MECHANICAL

Mechanical Durability:	500 cycles minimum
Center Contact Retention:	4 lbs. minimum
Coupling Mechanism:	100 lbs. minimum
Cable Bend and Twist:	500 cycles minimum
Force to Engage/	
Disengage:	Torque 2.0 in/lb maximum
Interface Dimensions:	MIL-C-39012 except 75 Ω

ENVIRONMENTAL	-40°C to 65°C operating; -55 °C to 85°C non-operating
Thermal Shock:	0 to 95%; MIL-STD-202 Method 106
Moisture Resistance:	MIL-STD-202 Method 101 Test Condition B
Corrosion (Salt Spray):	UL 94-VO rated (center conductor insulator)
Flammability:	MIL-STD-202 Method 201
Vibration:	MIL-STD-202 Method 215
Solvent Resistance:	

FINISH	Electroless nickel plate tarnish resistant
Body/Bayonet:	50 millionths inch gold plating MIL-G-45204 Type 1,
Center Conductor:	Grade C, Class 1; Requires .042" crimp station die

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