Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

PRODUCT BULLETIN C701

FIELD INSTALLABLE SHIELDED MULTI-CON-X®

Conxall® introduces its newest series of "Con-X" product, the Field Installable Shielded Multi-Con-X®. This product was designed for field installations where:

- Circuits must be protected from electromagnetic or radio frequency interference
- Surrounding equipment must be protected from circuit emmittance
- An earth ground must be carried via the cable shield through the connector shell, coupling ring, and receptacle to ground (panel).

The Field Installable Shielded Multi-Con-X® offers a simple, unique method of completing the shield between the cable and the connector housing (requiring no additional or special installation tools). The backshell can be assembled with nothing more than a screwdriver.

Features

- 6 keyway orientations available
- 2 - 9 pole insert configurations with 20 size contacts available in 4 keying arrangements
- 2 - 12 pole insert configurations with 20 size contacts available in 1 keying arrangement
- 2 - 4 pole insert configurations with 16 size contacts available in 1 keying arrangement
- Panel Mounts are available with male contacts only (solder or P.C. Tail termination)
- Cable Ends are available with female contacts only (solder termination)
- Not mateable with standard (unshielded) Multi-Con-X® product
- Panel Mounts are available with a metal or plastic housing

Specifications

Electrical Rating
600 Volts RMS
13A: 4 maximum #16 contacts with 16 AWG wire
7.5A: 3 maximum #20 contacts with 20 AWG wire
5.6A: 12 maximum #20 contacts with 20 AWG wire

Cable Ends
Coupling Nut & Housing: Nickel Plated Brass
Contacts: Copper Alloy, 30 µ in. min. Gold over 50 µ in. min. Nickel Plating
Insert: Engineered Polyester Resin
Backshell & Strap: G.F. Nylon
Screws: Stainless Steel
O-Rings: Neoprene

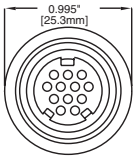
Metal Panel Mounts
Shell: Nickel Plated Brass
Nut: Nickel Plated Brass
Contacts: Copper Alloy, 30 µ in. min. Gold over 50 µ in. min. Nickel Plating
Insert: Engineered Polyester Resin

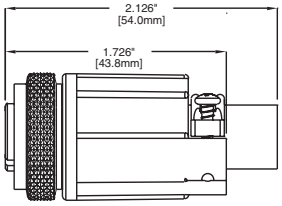
Plastic Panel Mounts
Housing: Engineered Polyester Resin
Shielding Nut: Nickel Plated Aluminum
Contacts: Copper Alloy, 30 µ in. min. Gold over 50 µ in. min. Nickel Plating

Environmental:
Temperature: -40°C (-40°F) to +120°C (+248°F)
RoHS Compliant

a Switchcraft® Co.
www.conxall.com
601 E. Wildwood Avenue, Villa Park, IL 60181, Phone (630) 834-7504, Fax (630) 834-8540

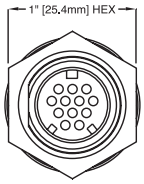
Cable End



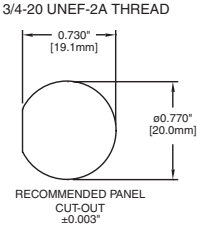


Panel Mount

Front View

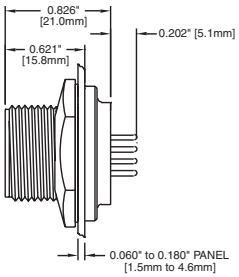


Cut-out

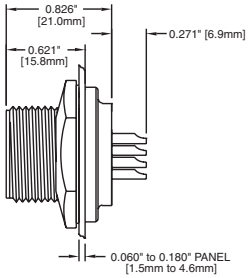


Metal

3/4-20 UNEF-2A THREAD
W/PC-TAIL CONTACTS

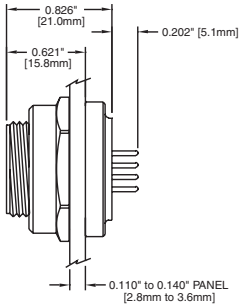


3/4-20 UNEF-2A THREAD
W/ SOLDER CUP CONTACTS

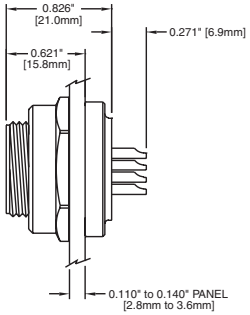


Plastic

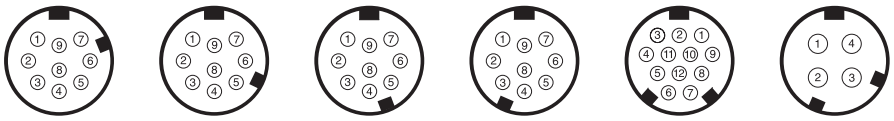
3/4-20 UNEF-2A THREAD
W/PC-TAIL CONTACTS



3/4-20 UNEF-2A THREAD
W/ SOLDER CUP CONTACTS



Insert Platforms (Wiring View of Cable End)



Keying	A	B	C	D	E	F
Max Contact Count/Contact Size	9/#20	9/#20	9/#20	9/#20	12/#20	4/#16

(For less than full complement insert patterns, consult factory)

Code Logic

SF	4	2	82	V	-	12	E	P	G	-	3ES

Shielded **F**ield Installable

Multi-Con-X
3 - Cable End
4 - Panel Mount

Contact Size
2 - #20
3 - #16

Contact Style
81 - PC Tail (Panel Only)
82 - Solder Cup

Insert & Shell Material Only
"Blank" - Engineered Polyester Resin Insert (Cable End Only)
"Blank" - Nickel Plated Brass Panel Mount Shell with an Engineered Polyester Resin Insert
V - One Piece Engineered Polyester Resin Panel Mount Shell

# of Contacts
2 - 12

Keying
A - D (2 - 9 #20 Contacts)
E (2 - 12 #20 Contacts)
F (2 - 4 #16 Contacts)

Contact Type
Pin (Panel Mount)
Socket (Cable End)

Plating
Gold

Backshell and Panels
3ES: Panel w/ Epoxy
520: Backshell w/ .200"Grommet ID
540: Backshell w/ .400"Grommet ID
(Consult Factory for Other Sizes)