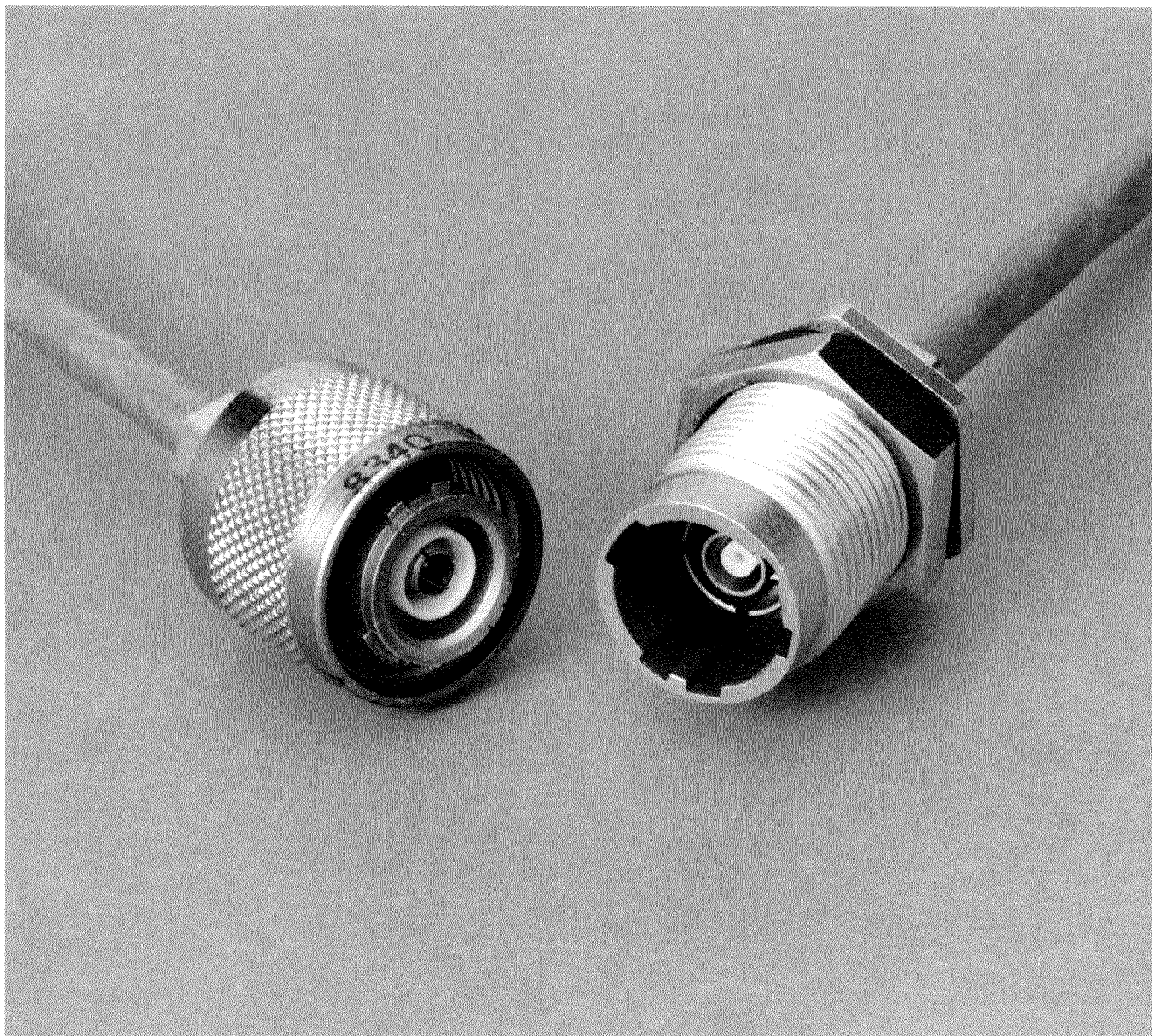


715 Series Single Way

DB 3

Data Bus Interconnection System



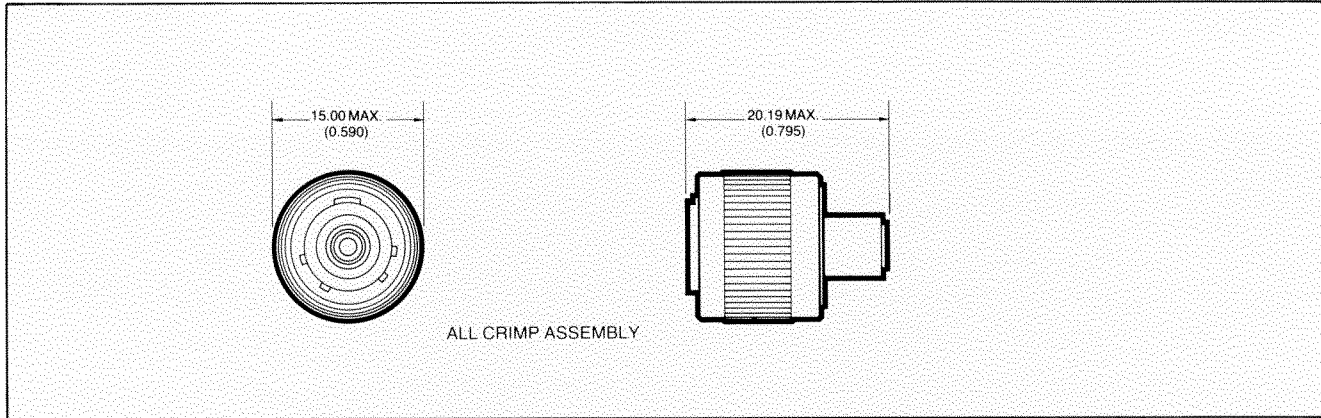
Data Bus Interconnection System designed for data transmission as defined by MIL-STD-1553B and DEF STAN 00-18 (part 2). This system is also ideal for video transmission systems and the termination of screened twisted pairs.

715 series connectors incorporate a vibration proof lock mechanism.

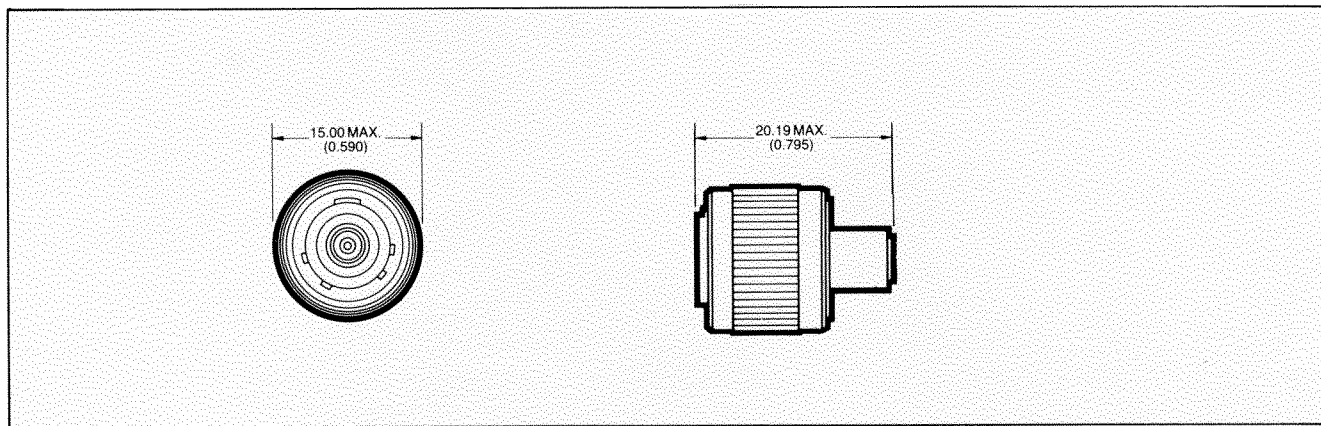
These connectors are not intermateable with 711 series connectors.

Plugs

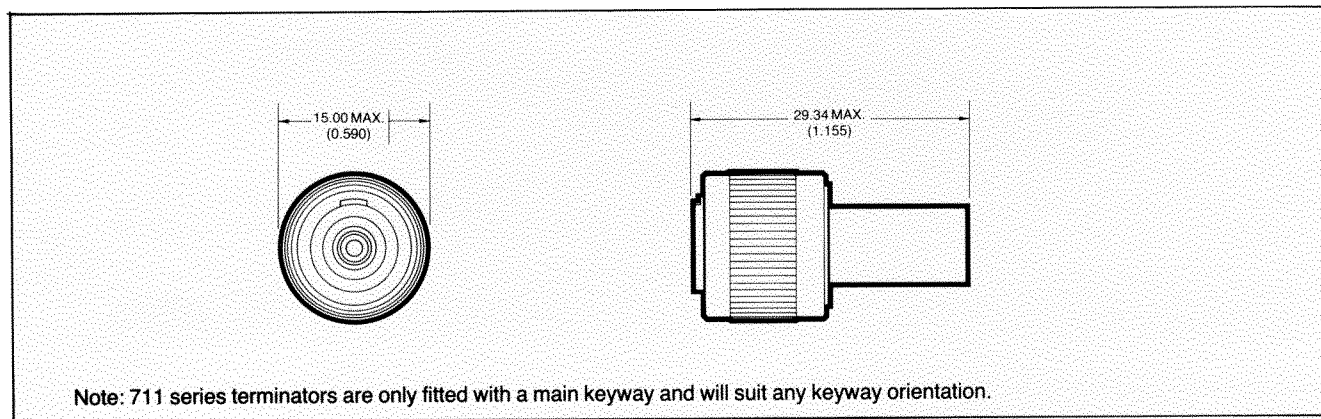
Plug-5005



Plug to suit Cable with 22 A.W.G. Screened Twisted Pair – 5022

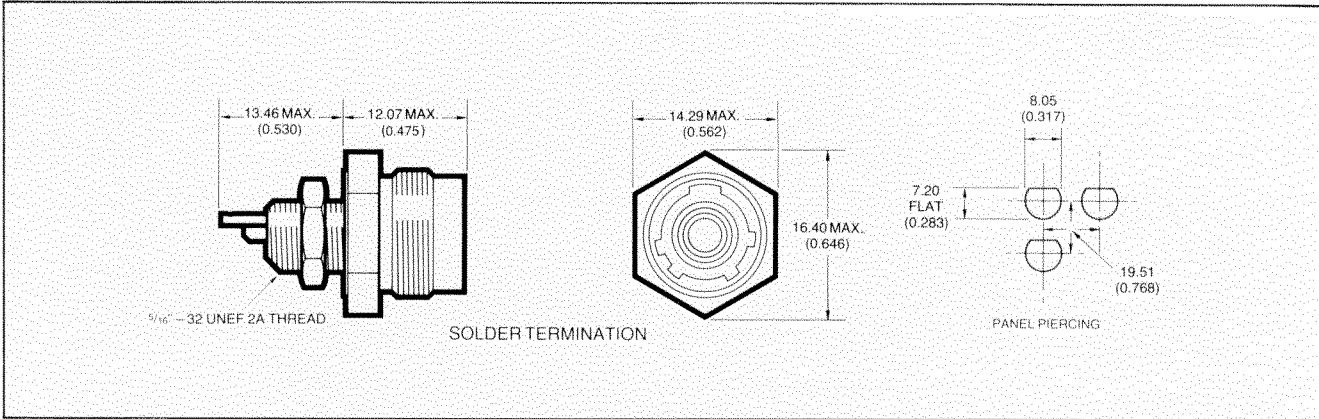


Plug Terminator $75\Omega \pm 1\%$ – 5007.

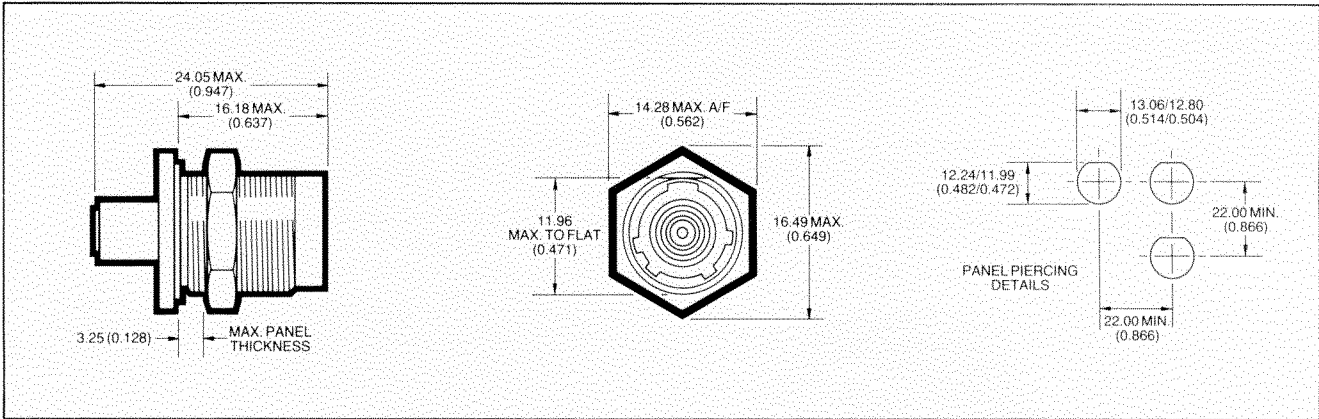


Receptacles

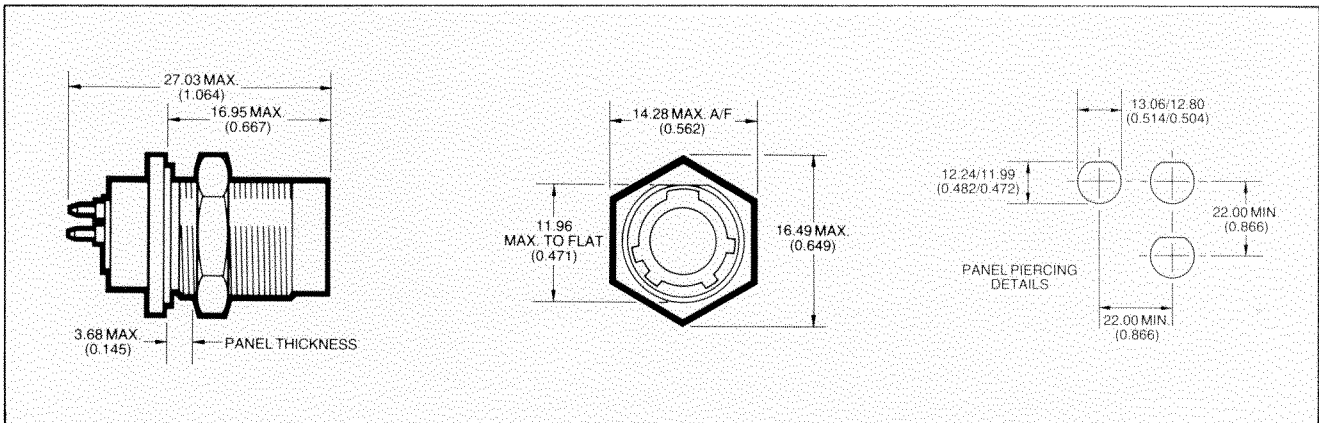
Single Hole Mtg. Receptacle – 5006



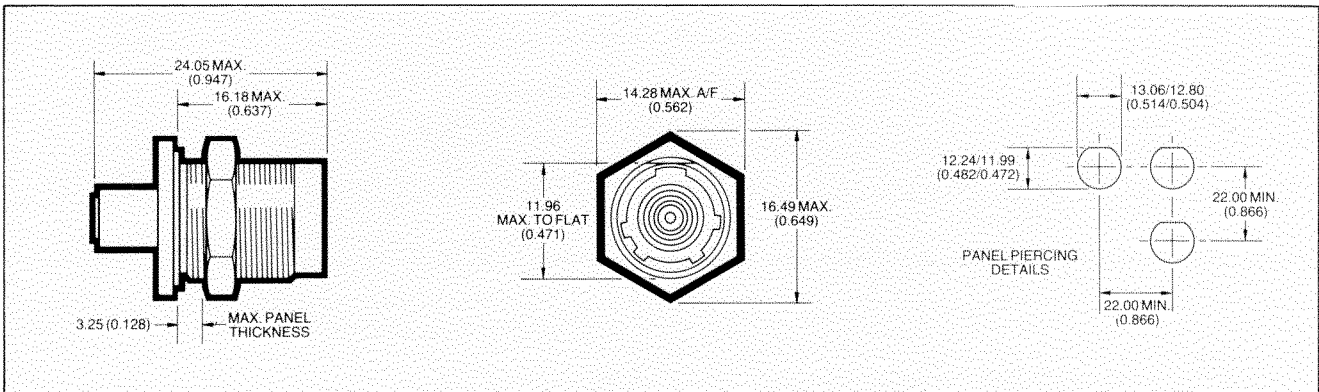
Single Hole Mtg. Receptacle – 5019



Single Hole Mtg. Receptacle with P.C. Termination Contacts – 5023.



Single Hole Mtg. Receptacle to suit Cable with 22 A.W.G. Screened Twisted Pair – 5021



Ordering Codes

715 - 5005 - 1 - (XXX)

Series designation

5005 - Plug
 5006 - Single hole mtg receptacle, solder termination
 5007 - Plug terminator 75Ω
 5019 - Single hole mtg receptacle
 5022 - Plug to suit 22 A.W.G. screened twisted pair
 5021 - Single hole mtg receptacle to suit 22 A.W.G. screened twisted pair
 5023 - Single hole mtg receptacle with P.C. termination contacts

Orientation (1 for normal orientation)
 Keys/Keyways 1,2,3,4 and 5

Deviation
 (462) Cadmium Olive drab plating

Protective Caps

Caps and Cords

711-0100-XX For use with all single way receptacles.
 711-0112-XX For use with all single way plugs.

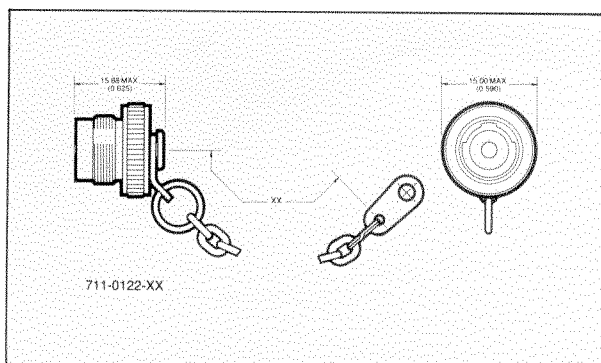
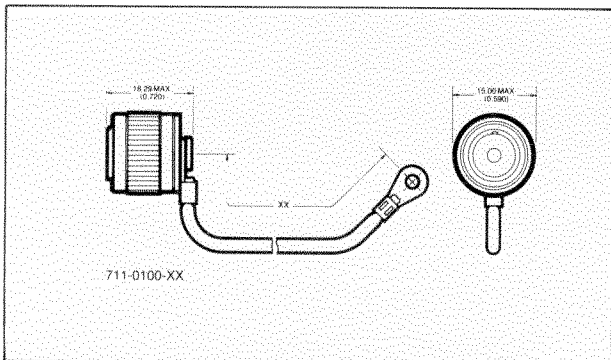
Caps and Chains

711-0121-XX For use with all single way receptacles.
 711-0122-XX For use with all single way plugs.

XX denotes the length of cord or chain required.

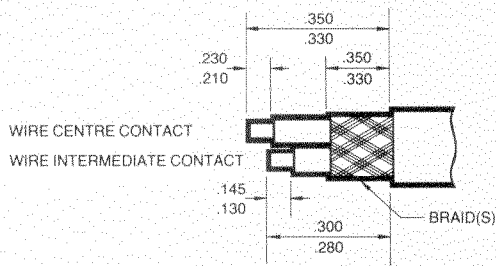
01 = 3"
 02 = 3.5"
 03 = 4"

Use deviation (462) for Cadmium Olive drab finish.



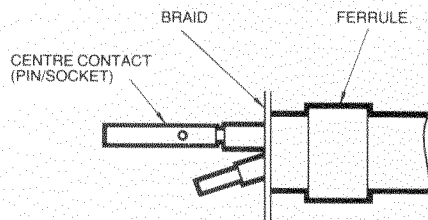
715 Series Assembly Instructions

Stage 1



Cable
insulation stripping

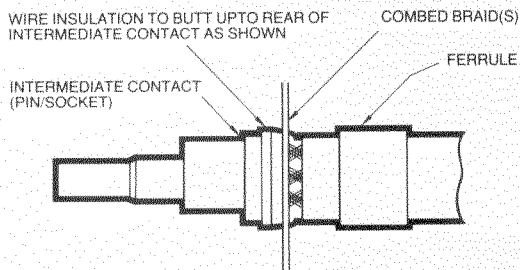
Stage 2



Notes:

1. Place 'Ferrule' onto stripped wire as shown.
2. Comb out the braid(s) of the wire.
3. Crimp 'Centre Contact (pin/socket)' onto its respective wire using crimp tool No. M22520/2.01 at appropriate wire setting and crimp positioner 294GB-5027.

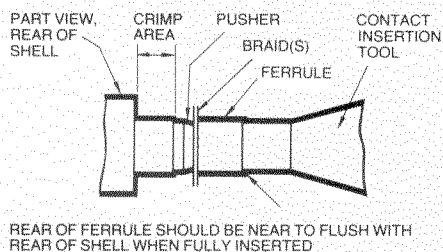
Stage 3



Notes:

1. Place 'Pusher' over wires as shown.
2. Place 'Centre Contact Insulator' over 'Centre Contact' and front part of 'Pusher' as shown.
3. Push assembled 'Centre Contact and Insulator' into centre cavity of 'Intermediate Contact'. At the same time align and insert intermediate contact wire into hole in rear flange of contact. Then place intermediate contact, with wiring in position, into respective crimp cavity of jaws 294GB-5031 within the crimp tool No. M22520/5.01. Applying axial push on wire into back of contact to ensure butting of wire insulation to rear of intermediate contact and full insertion of 'Centre Contact Assembly' as crimp is made.

Stage 4



Notes:

1. Place 'Outer Insulator' onto 'Intermediate Contact' and over front of pusher.
2. Push 'Insertion Tool' onto cable behind 'Ferrule' as shown.
3. Holding 'Intermediate Contact' push 'Ferrule' towards rear of contact, clamping 'Combed braid(s)' and 'Pusher' firm between 'Contact and Ferrule'.
4. With the inner contacts assembly being held in position by the aid of the 'Contact Insertion Tool' align and push this assembly into the 'Shell', dressing back the braid(s).
5. Place crimp barrel of shell into hexagonal crimp in crimp tool M22520/5.01. With rear face of connector against counterbored face of jaws. Pushing on 'Ferrule' with 'Contact Insertion Tool' finish crimp.

Crimp Tools for 715 Series Connectors

Centre contact crimp – Crimp tool M22520/2-01.
Positioner 294GB-5027.

Intermediate/Outer crimp – Crimp tool M22520/5-01.
Die Set 294GB-5031.