MICRO-CON-X® FIELD INSTALLABLE CONNECTORS

Cable Pin
1628X-XPG-XXX
Matching Mates:
• Cable-Cable
  1828X-XSG-XXX
• Panel
  172XX-XSG-XXX

Panel Mount
1728X-XXG-XXX
Matching Mates:
• Cable Pin
  1628X-XPG-XXX
• Cable Socket
  1628X-XSG-XXX

P/C Tail Panel Mount
172XX-XXG-XXX
Matching Mates:
• Cable Pin
  1628X-XPG-XXX
• Cable Socket
  1628X-XSG-XXX

Cable Socket
1628X-XSG-XXX
Matching Mates:
• Cable-Cable
  1828X-XPG-XXX
• Panel
  172XX-XPG-XXX

Cable to Cable
1828X-XXG-XXX
Matching Mates:
• Cable Pin
  1628X-XPG-XXX
• Cable Socket
  1628X-XSG-XXX

Cable to Cable
1828X-XXG-XXX
Matching Mates:
• Cable Pin
  1628X-XPG-XXX
• Cable Socket
  1628X-XSG-XXX

Dust Cap
16295

Molded Cable Assemblies (See pages 3 & 26)
Micro-Con-X® Field Installable Connectors

Dimensions (Dimensions in brackets are in millimeters)

Cable End Connector - With Snap Lock Backshell (Non-Removable)

Panel Mount Connector - Shown With Hex Nut and Gasket

Cable to Cable Connector - With Snap Lock Backshell (Non-Removable)

Molded Cable Assemblies (See pages 3 & 26)
**Micro-Con-X® Field Installable Connectors**

**Part Number to Order**

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XX  X  XX-XXG-3XX
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**Connector Type:**
- 16 - Cable End
- 17 - Panel Mount
- 18 - Cable to Cable

**Contact Size:**
- 2 - #20

**Contact Style:**
- 80 - Crimp (Supplied loose)
- 81 - P/C Tail .187” (4.7) (Supplied assembled)
- 82 - Solder Cup (Supplied assembled)
- 91 - P/C Tail .280” (7.1) (Supplied assembled)*
- 92 - P/C Tail .335” (8.5) (Supplied assembled)*

**Number of Contacts:**
- 2 or 3

**Type of Contact:**
- P - Pin
- S - Socket

**Contact Plating:**
- G - Gold over Nickel (Standard)

*Available in #20 size contact only.
Consult factory for optional threaded coupling.
Consult factory for your custom design cable assemblies and connectors. (See pages 3 & 26)

**Contact Arrangements**

Contact arrangements shown are wiring view of cable end pins/sockets.
Key/keyway shown for orientation only.
For higher density patterns, consult factory.

*Please visit the product pages on our website for the most up-to-date product information*
**Micro-Con-X® Field Installable Connectors**

### Specifications

#### Typical Specifications

**Manufacturers Identifications** Micro-Con-X®
**Description** Field Installable Connector & Custom Cable Assemblies
**Rating** 3.0 thru 7.5A, 600V
**Conductor Size** 20 thru 24 AWG
**Configuration** 2 & 3 #20 Contacts
**Certification** UL Recognized File #E150822 - 250V
CSA Certified File #181200 - 600V

#### Material Specifications

**Cable Pin/Socket**
- **Backshell (Non-Removable Snap Lock)** Nylon, UL Recognized, Black
- **Grommet** Santoprene Rubber, Black
- **Coupling Ring** Nylon, UL Recognized, Black
- **Contacts** Brass, Gold over Nickel
- **Connector Body** Nylon, UL Recognized, Black
- **O-Ring** Neoprene Rubber, Black

**Cable to Cable**
- **Backshell (Non-Removable Snap Lock)** Nylon, UL Recognized, Black
- **Grommet** Santoprene Rubber, Black
- **Contacts** Brass, Gold over Nickel
- **Connector Body** Nylon, UL Recognized, Black

**Panel Mount**
- **Contacts** Brass, Gold over Nickel
- **Panel Body** Nylon, UL Recognized, Black
- **Gasket** Neoprene Rubber, Black
- **Hex Nut** Nylon, UL Recognized, Black

**Optional**
- **Dust Cap** Santoprene Rubber, Black (Part No. 16295)

Gasket, O-Ring, & Grommet materials are suitable for -40°C to +90°C (-40°F to +194°F). Consult factory for higher temperature requirements.

#### Mechanical Specifications

**Durability** Minimum 300 mate/unmate cycles without mechanical or electrical failure
**Vibration** Coupling rings have overriding locking feature to prevent loosening or separation of connector
**Hex Nut Torque** All series hex nut to withstand 10-12 inch/lb tightening torque.

#### Electrical Specifications

**Voltage** 600 V
**Current** See Electrical Current Rating Chart (Page 27)

#### Environmental Specifications

**Temperature Rating** -40°C to +115°C (-40°F to +239°F)
**Corrosion** 300 Hr salt spray contacts
**Weathertight** Consult factory with specific application

#### Molded Cable Assemblies

**Watertight** NEMA 6P, 13: IEC IP67

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