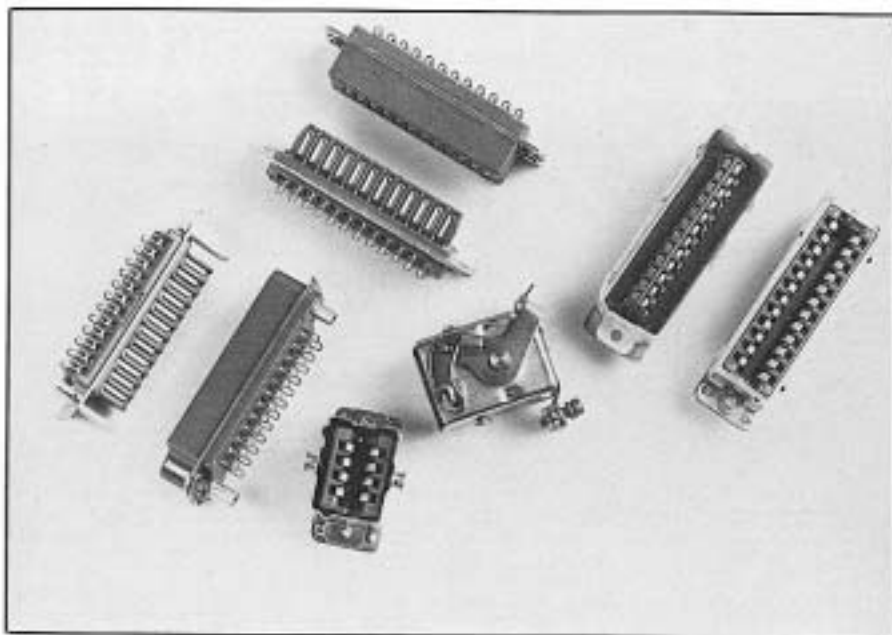


# 26 series® connectors



## specifications

|                       |                                                             |
|-----------------------|-------------------------------------------------------------|
| Current Capacity      | 5 amps per contact                                          |
| Voltage Rating        | 750 volts D.C. at sea level<br>300 volts D.C. at 60,000 ft. |
| Operating Temperature | -55°C to +125°C<br>-67°F to +257°F                          |
| Contact Plating       | .00003" gold over nickel                                    |
| Maximum Wire Size     | 16 gauge                                                    |

Plugs and receptacles are molded of high-impact diallyl phthalate dielectric with molded-in mounting plates of corrosion-resistant passivated stainless steel. Receptacles have float mount bushings which provide .028" radial movement for perfect alignment. Contacts are gold-plated over nickel with solder eyelet tails.

This connector provides rugged, heavy duty interconnections where larger gauge wires must be used and size is not a limiting factor.

Millions of Blue Ribbon Connectors are now used in industrial controls, mobile radios, instruments and test equipment, oscilloscopes, video tape recorders, computer control equipment, TV cameras, data displays, communications equipment, and many other applications requiring high reliability.

## features

**Contact Mating:** The 26 series® connectors mate easily, with no danger of misalignment or bent pins. Two wide, positive pressure contact points produce a self-cleaning and wiping action to keep surfaces clean and clear for low-resistance and continuity.

**Longer Life:** Estimated service life of 25 years in a mated condition for high reliability.

**Versatility:** Choose from: 3 rack and panel configurations; 2 cable-to-panel types, 8 to 42 contacts; barrier polarization, pin polarization, barrier polarization with keyed shells, with a large number of alternate positions (available on special order).

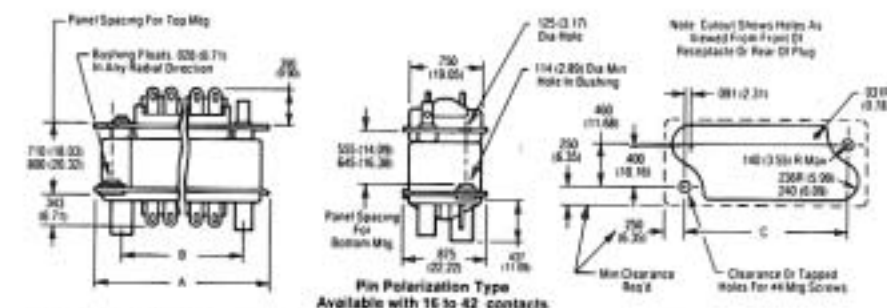
**Lower Cost:** Considering all the superior durability features of design and construction, these connectors offer you lower initial and life-cycle cost over any comparable competitive connector. Immediate off-the-shelf availability from local distributors can be a cost-saving factor also.



# 26 series® rack-and-panel connectors

## pin polarization

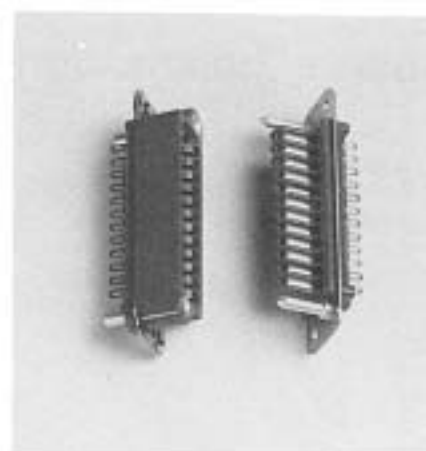
For blind mating situations...pins mate before contacts for perfect alignment.



dimensions (plug and receptacle mated)

| Contacts | A     |          | B     |          | C     |          |
|----------|-------|----------|-------|----------|-------|----------|
|          | in.   | mm       | in.   | mm       | in.   | mm       |
| 16       | 2.449 | (62.20)  | 1.842 | (46.78)  | 2.024 | (51.40)  |
| 24       | 3.125 | (79.37)  | 2.522 | (64.05)  | 2.704 | (68.68)  |
| 32       | 3.805 | (96.64)  | 3.202 | (81.33)  | 3.384 | (85.95)  |
| 42       | 4.648 | (118.05) | 4.052 | (102.92) | 4.234 | (107.54) |

For reference only, subject to change without notice.



26-190-XX Receptacle 26-159-XX Plug

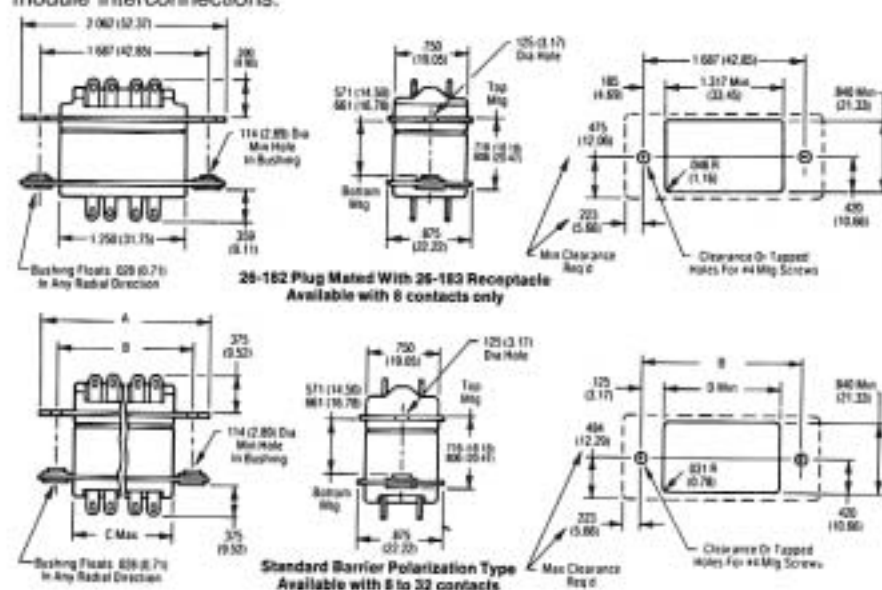
## ordering information

| contacts | plug      | receptacle  |
|----------|-----------|-------------|
| 16       | 26-159-16 | 26-190-16   |
| 24       | 26-159-24 | 26-190-24   |
| 32       | 26-159-32 | 26-190-32   |
| 42       | 26-159-42 | 26-190-42** |

\*\* Not normally stocked by distributors.

## barrier polarization

Dielectric barrier prevents mismatching...used in most rack-and-panel or module interconnections.



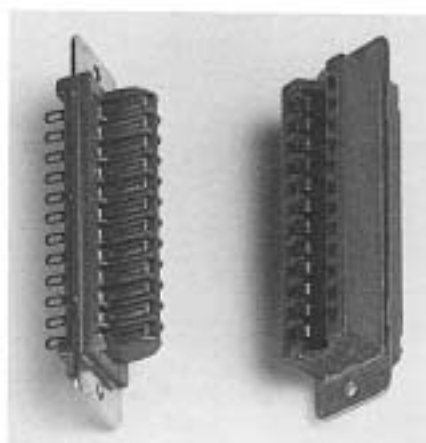
26-182 Plug Mated With 26-183 Receptacle  
Available with 8 contacts only

Standard Barrier Polarization Type  
Available with 8 to 32 contacts

dimensions (plug and receptacle mated)

| Contacts | A     |          | B     |         | C Max. |         | D Min. |         |
|----------|-------|----------|-------|---------|--------|---------|--------|---------|
|          | in.   | mm       | in.   | mm      | in.    | mm      | in.    | mm      |
| 8        | 1.726 | (43.84)  | 1.375 | (34.92) | 1.042  | (26.46) | 1.120  | (28.44) |
| 16       | 2.475 | (62.86)  | 2.125 | (53.97) | 1.790  | (45.46) | 1.868  | (47.44) |
| 24       | 3.225 | (81.91)  | 2.875 | (73.02) | 2.542  | (64.41) | 2.620  | (66.54) |
| 32       | 3.975 | (100.96) | 3.625 | (92.07) | 3.292  | (83.61) | 3.370  | (85.59) |

For reference only, subject to change without notice.



26-4100-XXP Plug 26-4200-XXS Receptacle

## ordering information

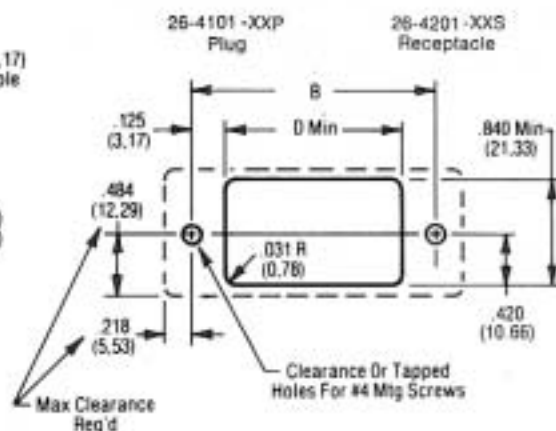
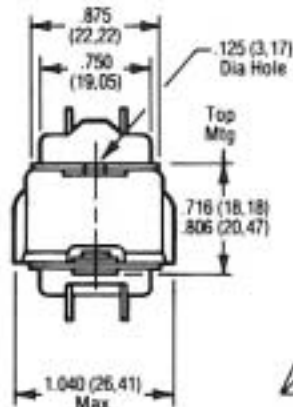
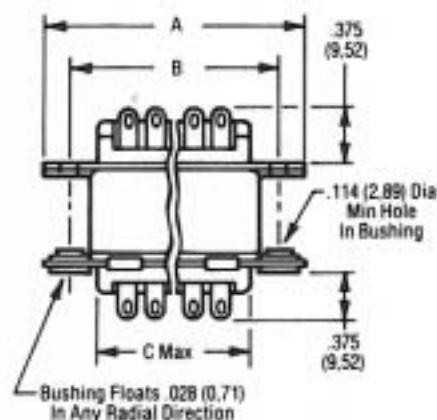
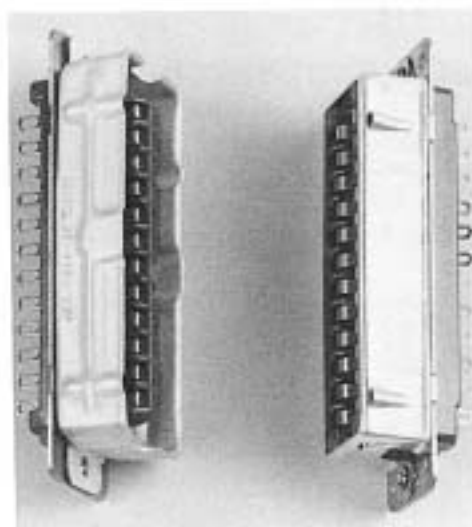
| contacts | plug        | receptacle  |
|----------|-------------|-------------|
| 8        | 26-182      | 26-183      |
| 8        | 26-4100-8P  | 26-4200-8S  |
| 16       | 26-4100-16P | 26-4200-16S |
| 24       | 26-4100-24P | 26-4200-24S |
| 32       | 26-4100-32P | 26-4200-32S |

# 26 series® rack-and-panel connectors (cont.)

## barrier polarization with keyed shells

Similar to barrier type with addition of aluminum shell on both plug and receptacle. Shell is keyed to prevent accidental mis-mating of several connectors mounted on the same panel.

26-41XX connectors have plug (male) insert in receptacle shell. 26-42XX connectors have receptacle (female) inserts in plug shell.



### dimensions (plug and receptacle mated)

| Contacts | A     |          | B     |         | C Max. |         | D Min. |         |
|----------|-------|----------|-------|---------|--------|---------|--------|---------|
|          | in.   | mm       | in.   | mm      | in.    | mm      | in.    | mm      |
| 8        | 1.726 | (43.84)  | 1.375 | (34.92) | 1.042  | (26.46) | 1.120  | (28.44) |
| 16       | 2.475 | (62.86)  | 2.125 | (53.97) | 1.790  | (45.46) | 1.868  | (47.44) |
| 24       | 3.225 | (81.91)  | 2.875 | (73.02) | 2.542  | (64.41) | 2.620  | (66.54) |
| 32       | 3.975 | (100.96) | 3.625 | (92.07) | 3.292  | (83.61) | 3.370  | (85.59) |

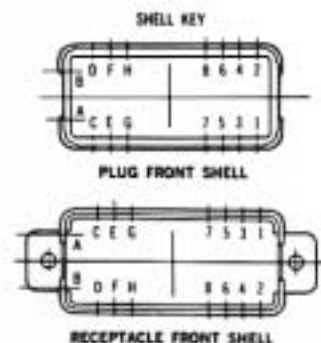
For reference only, subject to change without notice.

### Barrier Polarization Type With Keyed Shells Available with 8 to 32 contacts

#### ordering information

| CONTACTS | PLUGS       | RECEPTACLES | SHELL KEYS*<br>NUMBERS | LETTER |
|----------|-------------|-------------|------------------------|--------|
| 8        | 26-4101-8P  | 26-4201-8S  | 1                      | A      |
| 8        | 26-4102-8P  | 26-4202-8S  | 2                      | A      |
| 16       | 26-4101-16P | 26-4201-16S | 3-6                    | A-C    |
| 16       | 26-4102-16P | 26-4202-16S | 2-5                    | A-D    |
| 24       | 26-4101-24P | 26-4201-24S | 3-6                    | A-C    |
| 24       | 26-4102-24P | 26-4202-24S | 4-7                    | A-D    |
| 32       | 26-4101-32P | 26-4201-32S | 3-6                    | A-C    |
| 32       | 26-4102-32P | 26-4202-32S | 4-7                    | A-D    |

\*Consult factory for available alternate key positions.



# Rack and Panel Connectors

## Contact Configurations and Types

## Shell Styles

## Contact, Shell Materials and Latching Mechanisms

## Ratings

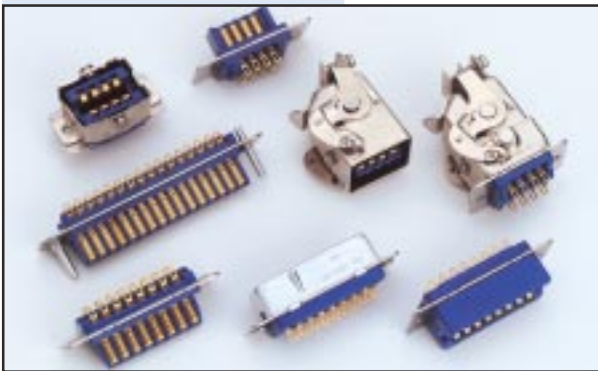
### 26 Series

8, 16, 24, 32, 42 contact versions.  
Cable to Cable.  
Rack and Panel.  
Cable to Panel.

Plug.  
Receptacle.  
Top cable entry.  
Side cable entry.

Gold over nickel contacts.  
Stainless steel shells.  
Gold over nickel-plated aluminum shells.  
Nickel-plated brass shells.  
Positive latching, can be wire-locked.  
Pin, barrier and keyed polarization.

750v DC at sea level.  
300v DC at 60,000 feet.  
UL Listed.



### 26 Series

## Aircraft and Aerospace Rack and Panel Connectors

### Aerospace Communication/94 Series



### Aerospace Communication/94 Series



### 126 Aircraft

