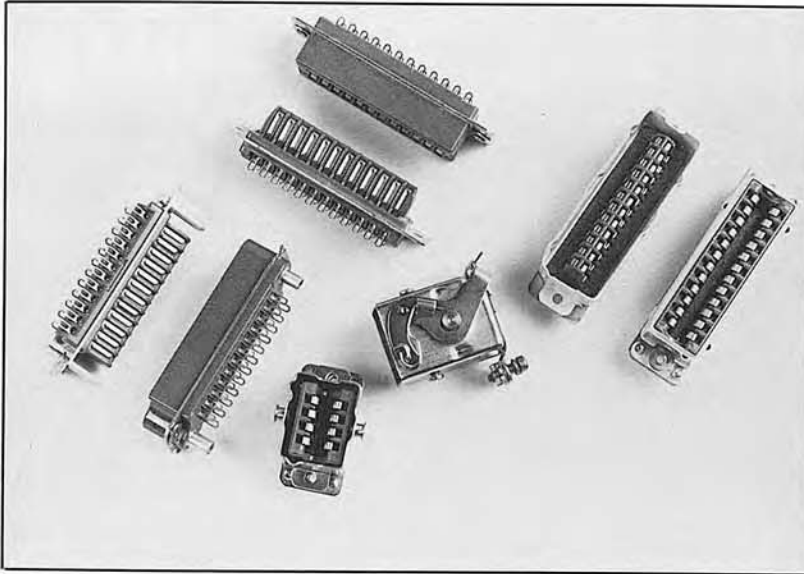


# 26 series® connectors



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.

## specifications

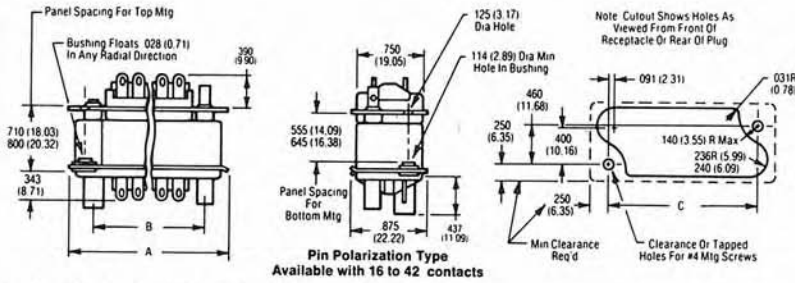
Current Capacity	5 amps per contact
Voltage Rating	750 volts D.C. at sea level 300 volts D.C. at 60,000 ft.
Operating Temperature	-55°C to +125°C -67°F to +257°F
Contact Plating	.00003" gold over nickel
Maximum Wire Size	16 gauge

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.

# 26 series® rack-and-panel connectors

## pin polarization

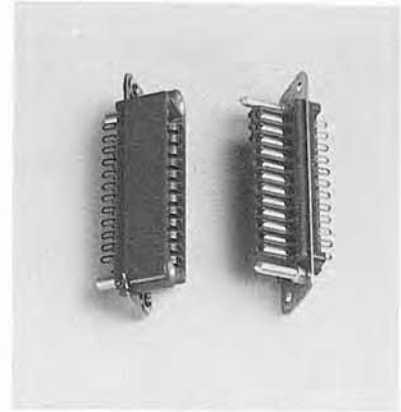
For blind mating situations...pins mate before contacts for perfect alignment.



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

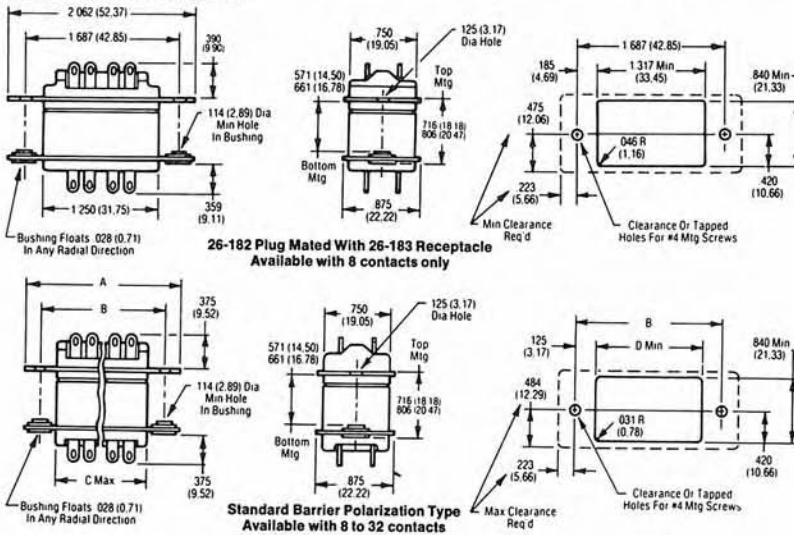
### ordering information

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

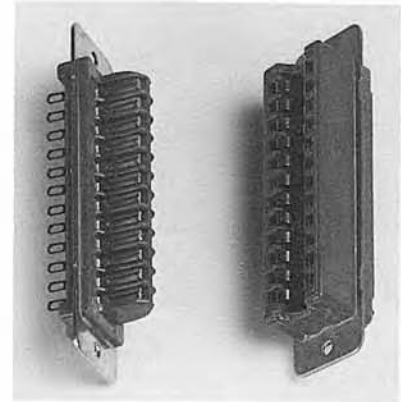
Dielectric barrier prevents mismatching...used in most rack-and-panel or module interconnections.



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

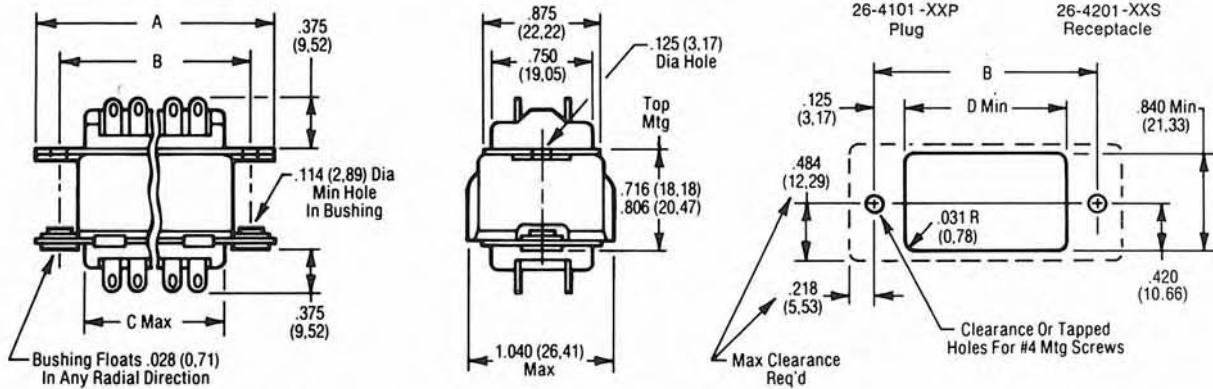
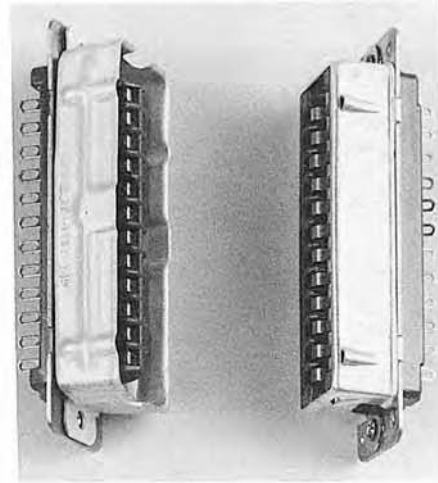
contacts	plug	receptacle
8	26-182	26-183
8	26-4100-8P	26-4200-8S
16	26-4100-16P	26-4200-16S
24	26-4100-24P	26-4200-24S
32	26-4100-32P	26-4200-32S

# 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.

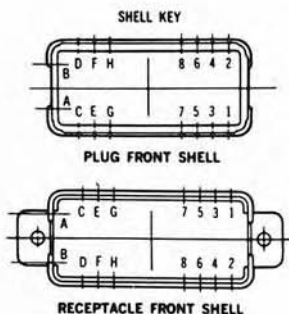


dimensions (plug and receptacle mated)

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* 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.

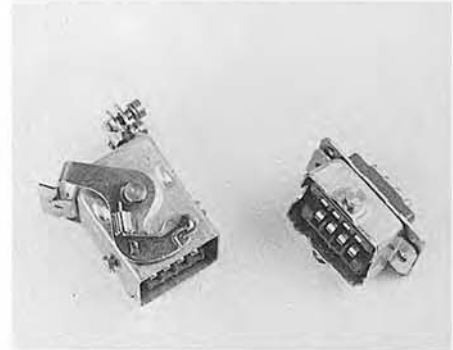
# 26 series® cable-to-panel connectors

## top cable entry

Available in cable-to-panel configurations. This type features positive latching to keep connectors securely mated despite gravity, shock, vibration or tension. Latching arm can also be wire-locked for greater safety. Shells are keyed for polarization and to prevent mismatching of multiple connectors. A wide choice of

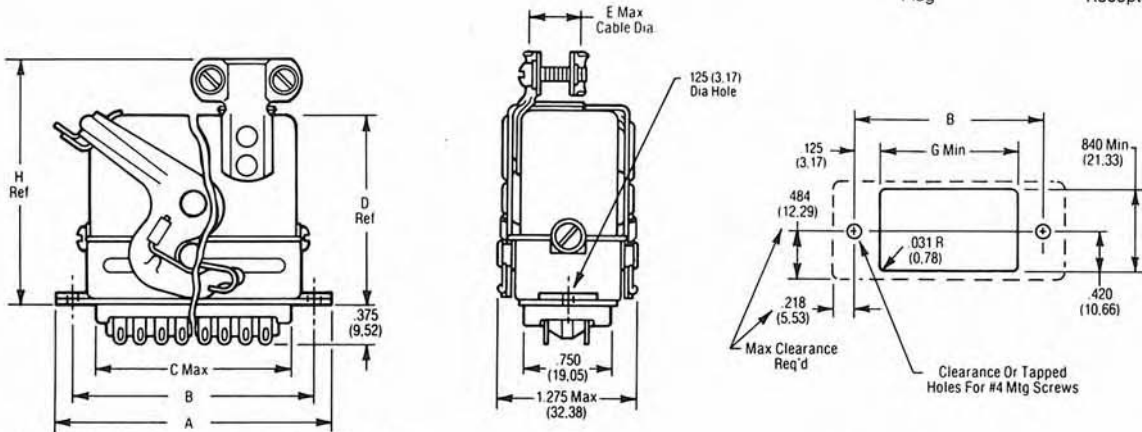
key positions is available. Shells can be provided with either plug (male) insert or receptacle (socket) insert as desired. Please specify P for plug or S for socket in part number.

This style provides cable entry at top of nickel-plated brass back shell. Cable opening has strain relief clamp with 2 screws.



26-4301-XXS or  
26-4301-XXP  
Plug

26-4401-XXP or  
26-4401-XXS  
Receptacle

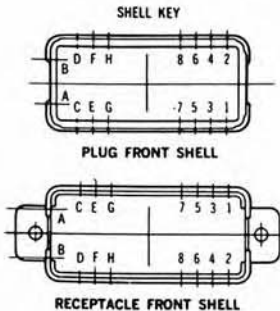


dimensions (plug and receptacle mated)

Contacts	A		B		C Max.		D Ref.		E Max.		G Min.		H Ref.	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
8	1.726	(43.84)	1.375	(34.92)	1.100	(27.94)	1.620	(41.14)	0.312	(7.92)	1.120	(28.44)	2.065	(52.45)
16	2.475	(62.86)	2.125	(53.97)	1.845	(46.86)	1.745	(44.32)	0.625	(15.87)	1.868	(47.44)	2.252	(57.20)
24	3.225	(81.91)	2.875	(73.02)	2.600	(66.04)	1.870	(47.49)	0.625	(15.87)	2.620	(66.54)	2.377	(60.37)
32	3.975	(100.96)	3.625	(92.07)	3.350	(85.09)	1.933	(49.09)	0.625	(15.87)	3.370	(85.59)	2.440	(61.97)

For reference only, subject to change without notice.

### Cable-To-Panel—Top Entry Available with 8 to 32 contacts



### ordering information

CONTACTS	PLUGS	RECEPTACLES	SHELL KEYS* NUMBERS	LETTER
8	26-4301-8P or S	26-4401-8S or P	1	A
8	26-4302-8P or S	26-4402-8S or P	2	A
16	26-4301-16P or S	26-4401-16S or P	3-6	A-C
16	26-4302-16P or S	26-4402-16S or P	2-5	A-D
24	26-4301-24P or S	26-4401-24S or P	3-6	A-C
24	26-4302-24P or S	26-4402-24S or P	4-7	A-D
32	26-4301-32P or S	26-4401-32S or P	3-6	A-C
32	26-4302-32P or S	26-4402-32S or P	4-7	A-D

\*Contact factory for alternate key positions.

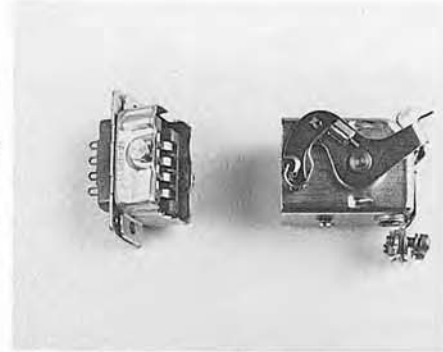
# 26 series® cable-to-panel connectors (cont.)

## side cable entry

Available in cable-to-panel configurations. This type features positive latching to keep connectors securely mated despite gravity, shock, vibration or tension. Latching arm can also be wire-locked for greater safety. Shells are keyed for polarization and to prevent mismatching of multiple connectors. A wide choice of

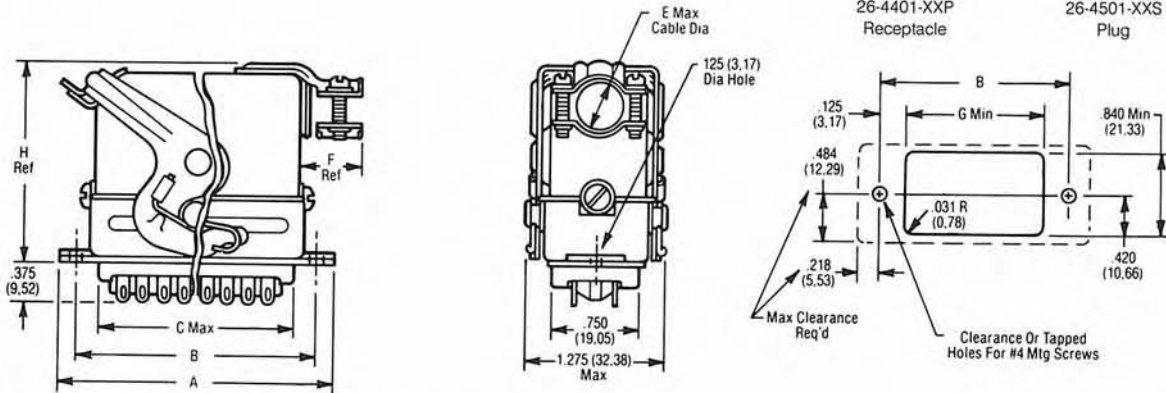
key positions is available. Shells can be provided with either plug (male) insert or receptacle (socket) insert as desired. Please specify P for plug or S for socket in part number.

This style provides cable entry at side of nickel-plated brass back shell. Cable opening has strain relief clamp with 2 screws.



26-4401-XXS  
or  
26-4401-XXP  
Receptacle

26-4501-XXP  
or  
26-4501-XXS  
Plug

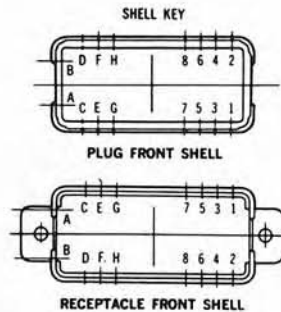


dimensions (plug and receptacle mated)

Contacts	A		B		C Max.		E Max.		F Ref.		G Min.		H Ref.	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
8	1.726	(43.84)	1.375	(34.92)	1.100	(29.74)	0.312	(7.92)	0.438	(11.12)	1.120	(28.44)	1.703	(43.25)
16	2.475	(62.86)	2.125	(53.97)	1.845	(46.86)	0.625	(15.87)	0.500	(12.70)	1.868	(47.44)	1.828	(46.43)
24	3.225	(81.91)	2.875	(73.02)	2.600	(66.04)	0.625	(15.87)	0.500	(12.70)	2.620	(66.54)	1.953	(49.60)
32	3.975	(100.96)	3.625	(92.07)	3.350	(85.09)	0.625	(15.87)	0.500	(12.70)	3.370	(85.59)	2.031	(51.58)

For reference only, subject to change without notice.

### Cable-To-Panel—Side Entry Available with 8 to 32 contacts



CONTACTS	PLUGS	RECEPTACLES	SHELL KEYS* NUMBERS	LETTER
8	26-4501-8P or S	26-4401-8S or P	1	A
8	26-4502-8P or S	26-4402-8S or P	2	A
16	26-4501-16P or S	26-4401-16S or P	3-6	A-C
16	26-4502-16P or S	26-4402-16S or P	2-5	A-D
24	26-4501-24P or S	26-4401-24S or P	3-6	A-C
24	26-4502-24P or S	26-4402-24S or P	4-7	A-D
32	26-4501-32P or S	26-4401-32S or P	3-6	A-C
32	26-4502-32P or S	26-4402-32S or P	4-7	A-D

\*Contact factory for alternate key positions.