

SPACECRAFT COMPONENTS CORP.

Serving Connector Users Since 1962

micr 38999

by



SOURIAU
Connection Technology

Previously the smallest size available.



D38999 Series III (8D) Size 9



#22D
Ø 0.76mm

Compact Shell

Now even **SMALLER!**

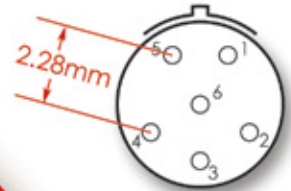


micr  38999

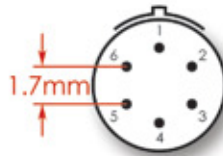
Available in Sizes 3, 5 & 7

Contact Size

#26
Ø 0.5mm



Contact Pitch



In three different versions



Bayonet
Coupling



Threaded
Coupling



Quick Disconnect
(Break Away)

- 50% shorter
- 33% smaller diameter
- 3 times lighter
- Scoop proof
- 55°C to +175°C

THREADED COUPLING 8DA



8DA0*
Square flange
receptacle



8DA1*
In line
receptacle



8DA5*
8DA6*
Plug



8DA7*
Jam nut
receptacle

BREAK AWAY 8BA



8BA1*
In line
receptacle



8BA6*
Plug



8BA7*
Jam nut
receptacle

BAYONET COUPLING 8LTA



8LTA0*
Square flange
receptacle



8LTA1*
In line
receptacle



8LTA2*
Oval flange
receptacle

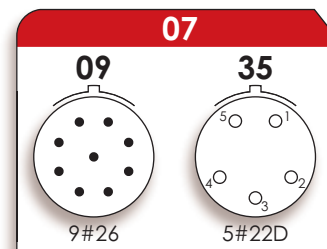
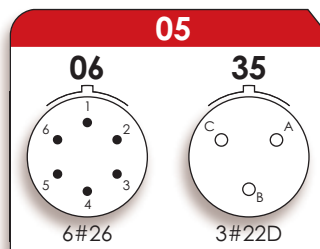
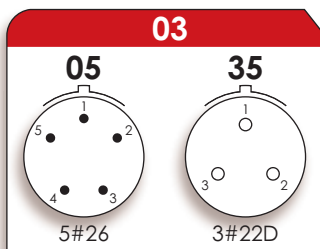


8LTA6*
Plug



8LTA7*
Jam nut
receptacle

CONTACT LAYOUTS



ORDERING INFORMATION



Shell Type:

8DA - Threaded Coupling

- 0: Square flange receptacle
- 1: In line receptacle
- 5: Plug with EMI ring (Size 5 & size 7)
- 6: Plug without EMI ring (Size 3 only)
- 7: Jam nut receptacle

8BA - Break Away

- 1: In line receptacle
- 6: Plug
- 7: Jam nut receptacle

8LTA - Bayonet Coupling

- 0: Square flange receptacle
- 1: In line receptacle
- 2: Oval flange receptacle
- 6: Plug without EMI ring
- 7: Jam nut receptacle

Orientation:

N, A, B, C, D, E

Contact Type:

- P: Pin (Shell size 3 scoop proof only when pin contacts mounted in Type 6)
- S: Socket (Shell size 3 scoop proof only when socket contacts mounted in Type 1 & Type 7)

Contact Layouts: See bottom of previous page

Plating:

- F: Nickel
- K: Passivated stainless steel (except for size 3)
- W: Olive drab cadmium
- Z: Black zinc nickel

Shell Size: 03 - 05 - 07

Highlighted items are carried in stock.

TECHNICAL FEATURES

Mechanical

- **Shell:**
Aluminum alloy (for sizes 3, 5 & 7)
Passivated stainless steel (for sizes 5 & 7)
- **Shell Plating:**
Aluminum:
Zinc nickel (RoHS)
Nickel (RoHS)
Olive drab cadmium
Passivated stainless steel (RoHS)
- **Insulator:** Thermoplastic
- **Contact Body:** Copper alloy
- **Contacts Plating:**
Gold over nickel plated
- **Shell Endurance:**
8BA & 8DA
Aluminum:
500 mating/unmating cycles
Passivated stainless steel:
1000 mating/unmating cycles
8LTA
Aluminum:
250 mating/unmating cycles
Passivated stainless steel:
1000 mating/unmating cycles
- **Vibration:**
8DA
44 grms @ 125°C, 2 axes during 8 hours
8BA & 8LTA
30 grms @ 125°C, 2 axes during 8 hours
- **Shock:**
300g, 3 ms

Electrical

- **Wire Size**

Layout	Wire (AWG)
03-05	24-30
03-35	22-28
05-06	24-30
05-35	22-28
07-09	24-30
07-35	22-28
- **Test Voltage (at sea level):**
Size 22D: 1000 Vrms
Size 26: 400 Vrms
- **Contact Resistance:**
Size 22D: <14.6 mΩ
Size 26: <16 mΩ
- **Contact Rating:**
Size 22D: 5A
Size 26: 3A
- **Contact Retention:**
Size 22D: 45N
Size 26: 30N
- **Shell to Shell Continuity**

	Shell sizes	Aluminum version	Stainless steel version
8BA, 8DA	3, 5 & 7	< 10 mΩ	< 60 mΩ
8LTA		< 250 mΩ	
- **EMI:**
Aluminum: -70dB @ 1GHz Passivated
stainless steel: -55 dB @ 1Ghz

Environmental

- **Temperature Range:**
-55°C to + 175°C
- **Water Immersion:**
IP 67 on mated connector
1 meter for 30 min minimum
> IP68 with appropriate cable termination
- **Salt Spray:**
Zinc nickel: 500 hours
Nickel: 48 hours
Olive drab cadmium: 500 hours
Passivated stainless steel: 500 hours

Resistance to fluids

- **According to MIL-DTL-38999 Standard**
Gasoline: JP5 (OTAN F44) Mineral hydraulic fluid: MIL-H-5606 (OTAN H515)
Synthetic hydraulic fluid: Skydrol 500 B4
- **Compatible with de-icing fluids containing potassium acetate**

Non QPL listed.

SPACECRAFT COMPONENTS CORP.

S e r v i n g C o n n e c t o r U s e r s S i n c e 1 9 6 2



SCP 5015 STYLE
CONNECTORS
(CATALOG 101)



SCPT 26482 STYLE
SC1 38999 SERIES I
SC2 38999 SERIES II
SC39 38999 SERIES III
(CATALOG 201)



SCPB SERIES
(CATALOG 302)



CONNECTOR
ACCESSORIES
(CATALOG 401)



COMING SOON...
CATALOG 701
All Plastic Connectors

CONNECTORS
WITH INTEGRATED
BACKSHELLS
(CATALOG 601)

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connector products.
Catalogs available.**



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