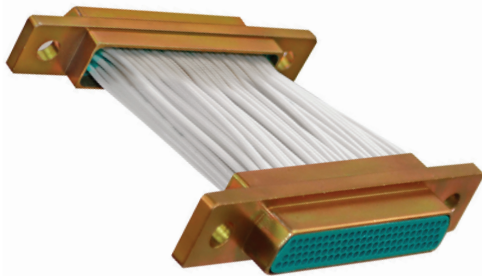


## Micro-D Jumper Assemblies

Cinch Dura-Con™ D-shaped micro miniature rectangular connectors are designed for applications that require a rugged, high performance, densely compacted interconnect. Dura-Con is the ideal connector for applications where weight and space must be kept to a minimum while maintaining maximum reliability. Reliability is assured with the unique twist pin providing 7 points of contact when mated to machine socket contacts. Compliant to MIL-DTL-83513, Dura-Con are one of the most widely used 0.05 inches (1.27 mm) pitch connectors. Typical applications for these connectors are miniaturized military and aerospace electronics and data processing equipment, where shorter signal paths are needed.



The Jumper assemblies provide a catalog part number for all connector extension needs. These factory made jumpers include crimped contacts that are encapsulated, which is a more durable version than assembling jumpers from off the shelf components.

### Features

- Twist pin contacts and machined sockets for durable, 7 points of contact
- MIL-STD-83513 compliant micro-d connectors
- Both ends of wire length pre-terminated eliminating need for additional processing
- Plug to plug, socket to socket and plug to socket options
- 18" and 36" wire lengths are standard, but additional lengths are available

### Applications

- System to system communication
- Internal system communication
- Extension for existing cables
- Patch and test cables

# Micro-D Jumper Assemblies

Dura-Con™

**DC C M 15 PS 6 E 1 - 18.0 B N**

**Dura-Con**

**Insulator Material**

C = Thermoset  
D = Thermosplastic

**Shell Type**

M = Metal shell

**Number of Contacts**

9, 15, 21, 25, 31, 37, 51, 100

**Jumper Genders**

GP = Plug to plug  
GS = Socket to socket  
PS = Plug to socket

**Wire Size**

6 = #26 AWG stranded wire  
\*Consult factory for additional sizes

**Shell Plating**

No letter = Yellow chromate  
over cadmium  
N = Electroless Nickel

**Mounting Hardware**

B = Hardware sold separately

**Wire Length (in)\***

18.0, 36.0

\*Consult factory for additional sizes

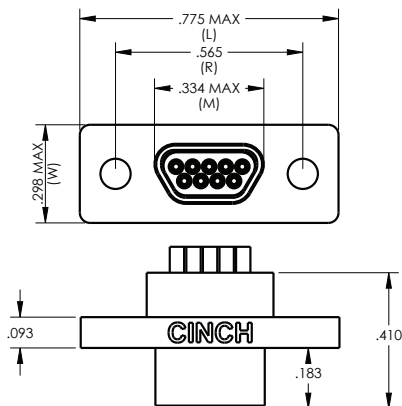
**Wire Insulator Color**

1 = White  
5 = Repeating 1-10 colors of  
MIL-STD-681

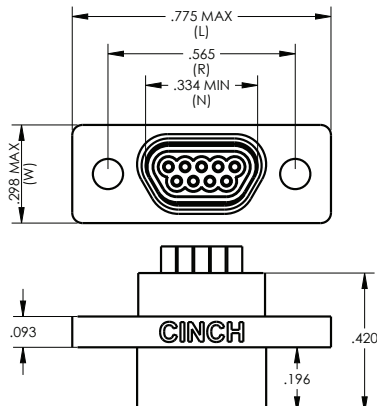
**Wire Type**

E = MIL-W-16878/4  
J = SAE A22759/33 (ETFE)  
K = SAE A22759/11 (PTFE)

**Plug Connector**



**Socket Connector**



| Connector Size | L     | M     | N | R     | W     |
|----------------|-------|-------|---|-------|-------|
| 9P             | 0.775 | 0.334 |   | 0.565 | 0.298 |
| 15P            | 0.925 | 0.484 |   | 0.715 | 0.298 |
| 21P            | 1.075 | 0.634 |   | 0.865 | 0.298 |
| 25P            | 1.175 | 0.734 |   | 0.965 | 0.298 |
| 31P            | 1.325 | 0.884 |   | 1.115 | 0.298 |
| 37P            | 1.475 | 1.034 |   | 1.265 | 0.298 |
| 51P            | 1.425 | 0.984 |   | 1.215 | 0.341 |
| 100P           | 2.160 | 1.384 |   | 1.800 | 0.384 |

| Connector Size | L     | M | N     | R     | W     |
|----------------|-------|---|-------|-------|-------|
| 9S             | 0.775 |   | 0.334 | 0.565 | 0.298 |
| 15S            | 0.925 |   | 0.484 | 0.715 | 0.298 |
| 21S            | 1.075 |   | 0.634 | 0.865 | 0.298 |
| 25S            | 1.175 |   | 0.734 | 0.965 | 0.298 |
| 31S            | 1.325 |   | 0.884 | 1.115 | 0.298 |
| 37S            | 1.475 |   | 1.034 | 1.265 | 0.298 |
| 51S            | 1.425 |   | 0.984 | 1.215 | 0.341 |
| 100S           | 2.160 |   | 1.384 | 1.800 | 0.384 |



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