

## Shielded Cable Assemblies

EMI Pigtails and Jumpers

### Micro D Shielded Cable 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 micro Ds are designed and manufactured in conformance to MIL-DTL-83513. Cinch uses the most reliable “twist pin” contacts to maximize reliability for applications where weight and space must be minimized.

The Dura-Con Micro-D Shielded Cable Assemblies are ideal where signal integrity is a key design requirement. The Shielded Cable Assemblies protect the internal signal pathways from electro magnetic interference (EMI) that is produced from adjacent power cables or from outside EMI generators. The Shielded Cable Assemblies include a grounding spring on the plug and braided sleeves that are bonded to the integrated backshell.

### Features

- Shell and contacts meets ML-DTL-83513 requirements
- EMI gasket and braided sleeves
- Integrated backshell
- Point to point jumper configurations



### Materials

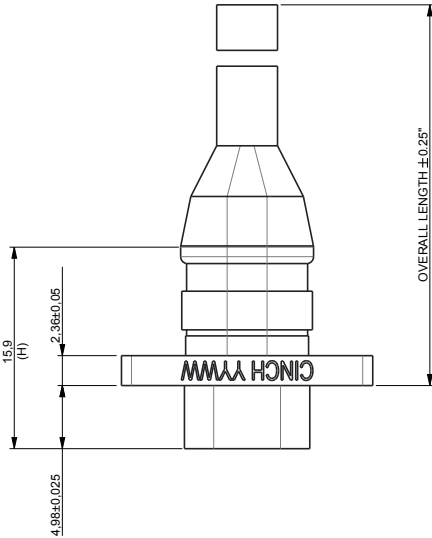
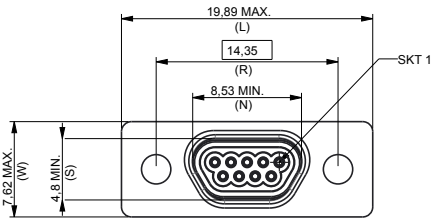
|                 |   |
|-----------------|---|
| Connector Shell | Aluminum (SAE AMS-QQ-A-250)                         |
| Shell Plating   | Cadmium or Nickel (SAE AMS-QQ-P-416 or AMS-C-26074) |
| Contact         | Copper alloy. Gold-plated per MIL-DTL-45204, Type 1 |

### Electrical

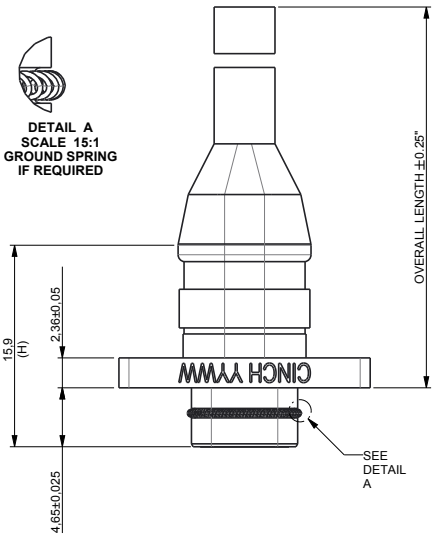
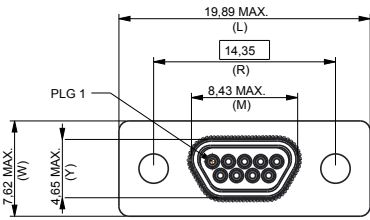
|                          |   |
|--------------------------|---|
| Current Rating           | 3 Amps maximum                          |
| Temperature Rating       | -55 °C TO +135 °C                       |
| Insulation Resistance    | 1,000 Megaohms minimum between contacts |
| DWV at Seal Level        | 600 Vac                                 |
| DWV 70,000 feet Altitude | 150 Vac                                 |
| Contact Resistance       | 8 mΩ max                                |

# Specifications

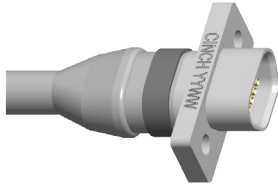
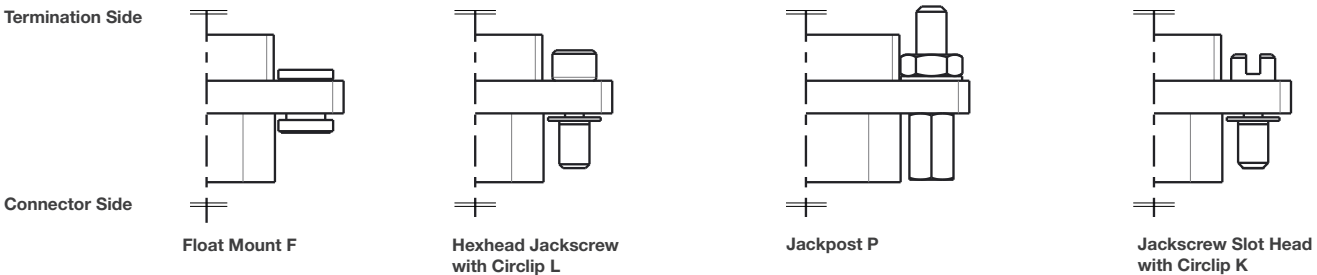
## Socket Connector



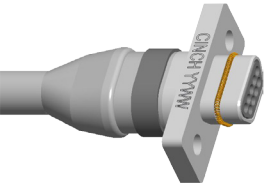
## Plug Connector



## Hardware



Socket Connector

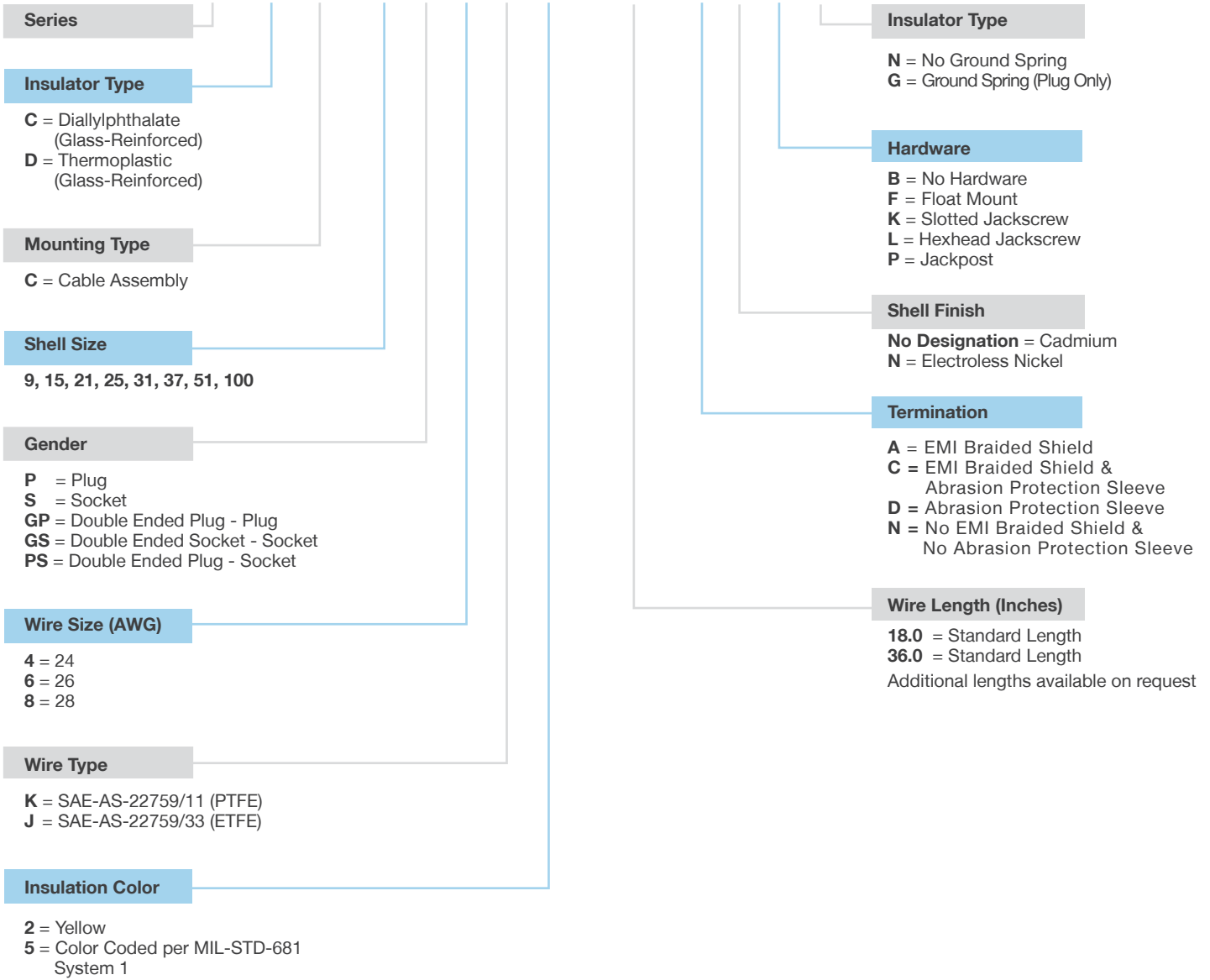


Plug Connector with EMI Gasket

# Ordering Information

# Dura-Con™

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