

## Subminiature D Connectors for Cable Mounting

This guide illustrates the preferred range of Subminiature D Connectors for cable mounting.

Please refer to our general catalogs or our website [www.tycoelectronics.com](http://www.tycoelectronics.com) for details of additional

ranges, connector styles, plating options and performance levels.

### Standard Density Crimp Termination

#### Connector Housings

##### Material and Finish:

**Front Shell**—Steel, tin plated

**Housing**—Black glass-filled thermoplastic

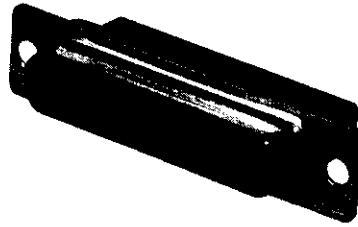
**Flammability**—UL 94V-0

**Current Rating**—3.7A max.

**Insulation Resistance**—5000 M $\Omega$  min.

**Dielectric Strength**—1000V AC min.

**Temperature Rating**—-55°C to +105°C



#### Plug Connector Housing

| No of Ways | Part Number |
|------------|-------------|
| 9          | 167292-1    |
| 15         | 167293-1    |
| 25         | 167294-1    |
| 37         | 167295-1    |
| 50         | 167296-1    |

#### Socket Connector Housing

| No of Ways | Part Number |
|------------|-------------|
| 9          | 164531-4    |
| 15         | 164532-4    |
| 25         | 164533-4    |
| 37         | 164534-4    |
| 50         | 164535-4    |

### Crimp Contacts

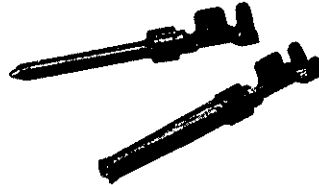
##### Material and Finish:

**Contact Material**—

**Pin**—Brass

**Socket**—Phosphor bronze

**Contact Area Plating**—0.76 $\mu$ m Gold



#### Male Contact for Plug Connector Housing

| Wire Size | Reel of 12500 Contacts (1) | Reel of 500 Contacts (2) | Bag of 100 Loose Contacts (3) |
|-----------|----------------------------|--------------------------|-------------------------------|
| 20-24 AWG | 166053-1                   | 5-166053-1               | 166293-1                      |
| 24-28 AWG | 166054-1                   | 5-166054-1               | 166294-1                      |

#### Female Contact for Socket Connector Housing

| Wire Size | Reel of 12500 Contacts (1) | Reel of 500 Contacts (2) | Bag of 100 Loose Contacts (3) |
|-----------|----------------------------|--------------------------|-------------------------------|
| 20-24 AWG | 166051-1                   | 5-166051-1               | 166291-1                      |
| 24-28 AWG | 166052-1                   | 5-166052-1               | 166292-1                      |

#### Application Tooling

**(1) Reel of 12500 Contacts** Use applicator Part Number 1238049 with suitable press.

**(2) Reel of 500 Contacts** Use Mini Reel-Fed CERTI-LOK (Hand tools for applying and/or extracting electrical connectors) Part Number 169424-1

**(3) Loose Piece Contacts** **Premium:** Use CERTI-CRIMP II (Hand compression electrical connector crimping tools) — Part Number 91503-1

**Commercial:** Use SDE die — Part Number 58448-2 with suitable ancillary equipment

**Insertion / Extraction Tool** Use Part Number 1579007-9