

## 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 thermo-plastic

**Flammability**—UL 94V-0

**Current Rating**—3.7A max.

**Insulation Resistance**—5000 MΩ 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**—0.76µm Gold

Additional contacts on page 105



#### 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

### Standard Density Solder Cup Termination

#### Industrial

##### Material and Finish:

**Front Shell**—Steel, tin plated

**Housing**—Grey thermoplastic PBTP

**Flammability**—UL 94V-0

**Contact Material**—Copper alloy

**Contact Area Plating**—Nickel/Pd/Gold (>250 mating cycles)

**Current Rating**—3A

**Insulation Resistance**—5000 MΩ min.

**Dielectric Strength**—1000V AC min.

**Temperature Rating**—-55°C to +125°C



#### Plug Connector

No of Ways	Part Number
9	3-1393483-8
15	3-1393483-9
25	4-1393483-0
37	4-1393483-1

#### Socket Connector

No of Ways	Part Number
9	4-1393483-7
15	4-1393483-8
25	4-1393483-9
37	5-1393483-0

**Note:** All part numbers are RoHS compliant.