

## 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.