

cannon

D-Subminiature  
Product Selection Guide



ITT

# D-Subminiature Connectors

## Key Markets & Applications

Invented by Cannon engineers in 1952 for aircraft radio systems, the D-Subminiature was designed as a smaller, lightweight rectangular alternative to larger, heavier connectors of the time. Today, Cannon continues its legacy of innovation through highly engineered D-Sub connector styles, sizes, configurations and accessories. From rocket launchers and telecommunications, to avionics and high-speed rail, its performance, reliability and versatility have made this Cannon invention one of the most widely used connectors in the world.



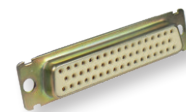
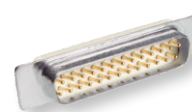
Space & Satellites



Military Vehicles



Commercial Avionics



D\*M, D\*MM, D\*MA with NM, NMB option connectors are used when non magnetic characteristics are required.

Hermetic Military D connectors are designed to meet environmental conditions of extreme pressure differential.

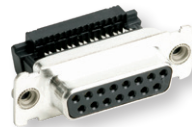
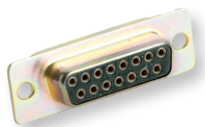
These high reliability D-Sub connectors are the finest quality and are qualified to MIL-DTL-24308.

|                                              | Non-Magnetic Series                                                   | D*H                                                  | MIL-DTL-24308 <sup>2</sup>                                |
|----------------------------------------------|-----------------------------------------------------------------------|------------------------------------------------------|-----------------------------------------------------------|
| Space                                        | X                                                                     | X                                                    |                                                           |
| Military/Aerospace                           | X                                                                     | X                                                    | X                                                         |
| Medical/Food Processing                      | X                                                                     | X                                                    |                                                           |
| Mass Transit                                 | X                                                                     |                                                      |                                                           |
| Industrial                                   | X                                                                     | X                                                    |                                                           |
| Telecom                                      |                                                                       |                                                      |                                                           |
| Wire Gauge Range AWG                         | AWG 18 - 28                                                           | up to AWG 20                                         | AWG 20 - 24                                               |
| Mating Cycles                                | 50, 200, 500                                                          | 500                                                  | 500                                                       |
| RoHS Compliant                               | available                                                             | no                                                   | no                                                        |
| Layout                                       | 9, 15, 25, 37, 50, 15, 26, 44, 62, 78, 104 (high density) and Combo D | 9, 15, 25, 37, 50                                    | 9, 15, 25, 37, 50, 15, 26, 44, 62, 78, 104 (high density) |
| Dielectric Withstanding Voltage <sup>1</sup> | 1000 VAC                                                              | 750 VAC                                              | 1000 VAC                                                  |
| Current Rating (Amps)                        | 7.5 A max.                                                            | 7.5 A max.                                           | 7.5 A max.                                                |
| Contact Resistance                           | 10 milli Ohm max.                                                     | 15 milli Ohm max.                                    | 10 milli Ohm max. (Signal Contacts)                       |
| Operating Temperature                        | -55°C/125°C                                                           | -54°C/125°C                                          | -50°C/150°C                                               |
| Salt Spray Test Resistance in Hours          | 48 hrs                                                                | 48 hrs                                               | 48 hrs                                                    |
| <b>Shell</b>                                 |                                                                       |                                                      |                                                           |
| Material                                     | copper alloy                                                          | low carbon steel                                     | steel                                                     |
| Finish                                       | gold over copper                                                      | electro-deposited tin over cadmium over copper flash | yellow chromate over cadmium or zinc                      |
| <b>Insulator</b>                             |                                                                       |                                                      |                                                           |
| Material                                     | Glass-filled Thermoplastic, UL 94V-0                                  | compression glass                                    | Glass-filled Thermoplastic, UL 94V-0                      |
| Color                                        | white or black                                                        | n/a                                                  | black                                                     |
| Contact                                      | machined                                                              | machined                                             | machined                                                  |
| Material                                     | copper alloy                                                          | steel                                                | copper alloy                                              |
| Finish                                       | gold over copper                                                      | electro-deposited tin over cadmium over copper flash | 1.27 µm gold over nickel                                  |
| <b>Contact Termination/Styles</b>            |                                                                       |                                                      |                                                           |
| Crimp                                        | X                                                                     |                                                      | X                                                         |
| Solder Pot                                   | X                                                                     | X                                                    | X                                                         |
| Straight Solder                              | X                                                                     |                                                      | X                                                         |
| Right Angled Solder                          | X                                                                     |                                                      | X                                                         |
| IDC (insulation displacement connection)     |                                                                       |                                                      |                                                           |
| Wire Wrap                                    |                                                                       |                                                      | X                                                         |
| Coax                                         | X                                                                     |                                                      |                                                           |
| Fiber Optic                                  | X                                                                     |                                                      |                                                           |
| High Power                                   | X                                                                     |                                                      |                                                           |
| High Voltage                                 | X                                                                     |                                                      |                                                           |
| Press Fit                                    |                                                                       |                                                      |                                                           |
| Eyelet                                       |                                                                       | X                                                    |                                                           |

<sup>1</sup>At Sea Level

<sup>2</sup>Qualified to MIL-DTL-24308/1, /2, /3, /4, /23 and /24 for Finish Suffix F and Z





D\*M straight PCB connectors are equivalent to MIL-DTL-24308 qualified versions (except for finishes).

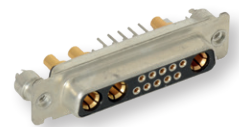
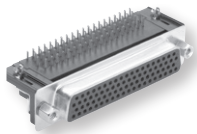
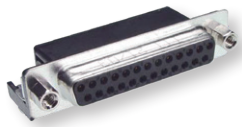
A broad range of D-Sub connectors are available with stainless steel shells for corrosion resistance.

D\*NG pressfit connectors provide a low-cost alternative to traditional through hole solder contacts (straight only).

Speedy D connectors terminate ribbon cables without stripping and without splicing.

D\*U is a low-cost, crimp type D-Subminiature series.

| D*M                                                          | Stainless Steel                                                                | D*NG                                           | D*SF                       | D*U                                                  |
|--------------------------------------------------------------|--------------------------------------------------------------------------------|------------------------------------------------|----------------------------|------------------------------------------------------|
|                                                              | X                                                                              |                                                |                            |                                                      |
| X                                                            | X                                                                              |                                                |                            |                                                      |
|                                                              | X                                                                              |                                                |                            |                                                      |
| X                                                            | X                                                                              |                                                |                            |                                                      |
| X                                                            | X                                                                              | X                                              | X                          | X                                                    |
|                                                              |                                                                                |                                                | X                          |                                                      |
| Not Applicable                                               | AWG 18 - 30                                                                    |                                                | AWG 26 - 28                | AWG 18 - 30                                          |
| 50, 200, 500                                                 | 50, 200, 500                                                                   | 50, 200, 500                                   | 50, 200, 500               | 50, 200, 500                                         |
| available                                                    | yes                                                                            | yes                                            | yes                        | available                                            |
| 9, 15, 25, 37, 50                                            | 9, 15, 25, 37, 50,<br>15, 26, 44, 62, 78, 104<br>(high density)<br>and Combo D | 9, 15, 25, 37, 50                              | 9, 15, 25, 37              | 9, 15, 25, 37, 50                                    |
| 1000 VAC                                                     | 1000 VDC                                                                       | 1200 VAC                                       | 780 VAC                    | 1000 VAC                                             |
| 7.5 A max.                                                   | 7.5 A max.                                                                     | 5.0 A at 25°C<br>3.5 A at 70°C                 | 1.5 A max.                 | 5.0 A max.                                           |
| 7.5 milli Ohm max.                                           | 10 milli Ohm max.                                                              | 10 milli Ohm max.                              | 15 milli Ohm max.          | 15 milli Ohm max.                                    |
| -55°C/125°C                                                  | -55°C/125°C                                                                    | -55°C/125°C                                    | -55°C/125°C                | -55°C/125°C                                          |
| 48 hrs                                                       | 48 hrs                                                                         | 20 hrs                                         | 20 hrs                     | 20 hrs                                               |
|                                                              |                                                                                |                                                |                            |                                                      |
| steel                                                        | stainless steel                                                                | steel                                          | steel                      | steel                                                |
| RoHS - Tin/Nickel<br>yellow chromate over<br>cadmium or zinc | passivated                                                                     | tin                                            | tin                        | RoHS - Tin/Nickel<br>yellow chromate over<br>cadmium |
| Glass-filled Thermoplastic,<br>UL 94V-0                      | Glass-filled Thermoplastic,<br>UL 94V-0                                        | Thermoplastic,<br>UL 94V-0                     | Thermoplastic,<br>UL 94V-0 | Glass filled Thermoplastic,<br>UL 94V-0              |
| black                                                        | black or white                                                                 | black                                          | black                      | black                                                |
| machined                                                     | machined                                                                       | stamped                                        | stamped                    | stamped or machined                                  |
| copper alloy                                                 | copper alloy                                                                   | copper alloy                                   | copper alloy               | copper alloy                                         |
| gold over nickel                                             | gold over nickel                                                               | gold over nickel (standard); gold over<br>PdNi | gold over nickel           | gold over nickel                                     |
|                                                              |                                                                                |                                                |                            |                                                      |
|                                                              | X                                                                              |                                                |                            | X                                                    |
| X                                                            | X                                                                              |                                                |                            |                                                      |
| X                                                            | X                                                                              |                                                |                            | X                                                    |
| X                                                            | X                                                                              |                                                |                            |                                                      |
|                                                              |                                                                                |                                                | X                          |                                                      |
| X                                                            | X                                                                              |                                                |                            |                                                      |
|                                                              | X                                                                              |                                                |                            |                                                      |
|                                                              | X                                                                              |                                                |                            |                                                      |
|                                                              | X                                                                              |                                                |                            |                                                      |
|                                                              | X                                                                              |                                                |                            |                                                      |
|                                                              |                                                                                | X                                              |                            |                                                      |
|                                                              |                                                                                |                                                |                            |                                                      |



D\* connectors are available for high performance uses according to DIN 41652.

ZD\* connectors are available for applications where price is the primary driver.

ZD\*A high density connectors are available for applications where price is the primary driver.

D\*A crimp connectors are available for applications where price is the primary driver.

Combo-D connectors offer an industry standard shield I/O interconnect, with the flexibility of a customized special.

| D*                             | ZD*                                              | ZD*A                                    | D*A                        | Combo-D                                                                                                                                                      |
|--------------------------------|--------------------------------------------------|-----------------------------------------|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                |                                                  |                                         |                            | X                                                                                                                                                            |
| X                              |                                                  |                                         |                            | X                                                                                                                                                            |
| X                              | X                                                | X                                       | X                          | X                                                                                                                                                            |
|                                | X                                                | X                                       | X                          |                                                                                                                                                              |
| Not Applicable                 | AWG 20 - 28                                      | AWG 24 - 26                             | AWG 20 - 28                | AWG 8 - 26                                                                                                                                                   |
| 50, 200, 500                   | 50, 200                                          | 50, 200                                 | 50, 200                    | 50, 200, 500                                                                                                                                                 |
| yes                            | yes                                              | yes                                     | yes                        | yes (Mil: no)                                                                                                                                                |
| 9, 15, 25, 37, 50              | 9, 15, 25, 37, 50                                | 15, 26, 44, 62, 78                      | 9, 15, 25, 37, 50          | E: 2W2; 2WK2; 5W1<br>A: 3W3; 3WK3; 7W2; 11W1<br>B: 5W5; 9W4; 13W3;<br>17W2; 21W1<br>C: 8W8; 13W6; 17W5;<br>21WA4; 25W3; 27W2<br>D: 24W7; 36W4;<br>43W2; 47W1 |
| 1250 VAC                       | 1000 VAC                                         | 500 VAC                                 | 500 VAC                    | varies                                                                                                                                                       |
| 5.0 A at 25°C<br>3.5 A at 70°C | 5.0 A max.                                       | 2.0 A max.                              | 5.0 A max.                 | 7.5 A max. (Signal contacts)<br>5.0 A max. (Coaxial contacts)<br>65 A max. (HEP)<br>5.0 A max. (HV contacts)                                                 |
| 10 milli Ohm max.              | 20 milli Ohm max.                                | 15 milli Ohm max.                       | 15 milli Ohm max.          | 10 milli Ohm max.<br>(Signal contacts)                                                                                                                       |
| -55°C/125°C                    | -55°C/105°C                                      | -55°C/105°C                             | -55°C/105°C                | -55°C/125°C (Mil: 150°C)                                                                                                                                     |
| 20 hrs                         | 12 hrs                                           | 12 hrs                                  | 12 hrs                     | 20 hrs (Mil: 48 hrs)                                                                                                                                         |
| steel                          | steel                                            | steel                                   | steel                      | steel                                                                                                                                                        |
| tin                            | tin                                              | tin                                     | tin                        | tin                                                                                                                                                          |
| Thermoplastic,<br>UL 94V-0     | Glass-filled Thermoplastic,<br>UL 94V-0          | Glass-filled Thermoplastic,<br>UL 94V-0 | Thermoplastic,<br>UL 94V-0 | Glass-filled Thermoplastic,<br>UL 94V-0                                                                                                                      |
| black                          | black                                            | black                                   | black                      | black                                                                                                                                                        |
| machined                       | stamped                                          | stamped                                 | stamped                    | machined                                                                                                                                                     |
| copper alloy                   | brass (male)<br>phosphore<br>bronze (female)     | copper alloy                            | copper alloy               | copper alloy                                                                                                                                                 |
| gold over nickel               | gold over nickel in contact area,<br>balance tin | gold over nickel                        | gold over nickel           | gold over nickel                                                                                                                                             |
|                                |                                                  | X                                       | X                          | X                                                                                                                                                            |
| X                              | X                                                | X                                       |                            | X                                                                                                                                                            |
| X                              | X                                                | X                                       |                            | X                                                                                                                                                            |
| X                              | X                                                | X                                       |                            | X                                                                                                                                                            |
| X                              |                                                  |                                         |                            | X                                                                                                                                                            |
|                                |                                                  |                                         |                            | X                                                                                                                                                            |
|                                |                                                  |                                         |                            | X                                                                                                                                                            |
|                                |                                                  |                                         |                            | X                                                                                                                                                            |
|                                |                                                  |                                         |                            | X                                                                                                                                                            |

# Cannon Combo-D Part Number Configurator

## US Version

|                                                                                        | DBM | E | 9C4 | P | J | K87 |
|----------------------------------------------------------------------------------------|-----|---|-----|---|---|-----|
| <b>Product Family Designator</b>                                                       |     |   |     |   |   |     |
| D*M = Solder Cup<br>(Industrial & Space/Non-Magnetic)                                  |     |   |     |   |   |     |
| D*MM = Solder Cup<br>(Military / Hi-Rel, 50 microinch gold plating)                    |     |   |     |   |   |     |
| D*A = Crimp                                                                            |     |   |     |   |   |     |
| <b>Hardware Modifier</b>                                                               |     |   |     |   |   |     |
| blank = .120" (3.05mm) Through Hole                                                    |     |   |     |   |   |     |
| C = 90° Metal Bracket, #4-40 Fastener and Boardlock                                    |     |   |     |   |   |     |
| D = 90° Metal Bracket, #4-40 Fastener and #4-40 Screwlock                              |     |   |     |   |   |     |
| E = #4-40 Clinchnut                                                                    |     |   |     |   |   |     |
| G = 90° Metal Bracket, #4-40 Fastener, #4-40 Screwlock, Boardlock                      |     |   |     |   |   |     |
| H = .300" (7.6mm) Standoff, #4-40 Screwlock                                            |     |   |     |   |   |     |
| J = 90° Metal Bracket, M3 Fastener, M3 Screwlock, Boardlock                            |     |   |     |   |   |     |
| K = .162" (4.11mm) Through Hole                                                        |     |   |     |   |   |     |
| L = 90° Metal Bracket, M3 Fastener, Boardlock                                          |     |   |     |   |   |     |
| N = .300" (7.6 mm) Standoff, #4-40 Screwlock, Boardlock                                |     |   |     |   |   |     |
| O = 90° Metal Bracket, M3 Fastener, M3 Screwlock                                       |     |   |     |   |   |     |
| P = 90° Metal Bracket, #4-40 Fastener                                                  |     |   |     |   |   |     |
| Q = .300" (7.6 mm) M3 Standoff                                                         |     |   |     |   |   |     |
| S = 90° Metal Bracket, M3 Fastener                                                     |     |   |     |   |   |     |
| T = .300" (7.6 mm) M3 Standoff                                                         |     |   |     |   |   |     |
| U = .300" (7.6 mm) Standoff, M3 Screwlock and Boardlock                                |     |   |     |   |   |     |
| V = .300" (7.6 mm) #4-40 Standoff                                                      |     |   |     |   |   |     |
| W = .300" (7.6mm) Standoff, M3 Screwlock                                               |     |   |     |   |   |     |
| X = M3 Clinchnut                                                                       |     |   |     |   |   |     |
| Y = Dual Float Mount                                                                   |     |   |     |   |   |     |
| Z = .300" (7.6mm) #4-40 Standoff, Boardlock                                            |     |   |     |   |   |     |
| <b>Shell Material and Plating Modification Code</b>                                    |     |   |     |   |   |     |
| blank = Carbon steel, Yellow chromate over zinc                                        |     |   |     |   |   |     |
| A101 = Carbon steel, Yellow chromate over cadmium                                      |     |   |     |   |   |     |
| A197 = Carbon steel, Pure Tin over Nickel (socket side only) <b>RoHS</b>               |     |   |     |   |   |     |
| K87 = Carbon steel Pure Tin over Nickel (pin shell with grounding dimples) <b>RoHS</b> |     |   |     |   |   |     |
| F225 = Stainless steel, Passivated <b>RoHS</b>                                         |     |   |     |   |   |     |
| NMBK52 = Gold plated, non-magnetic for space applications                              |     |   |     |   |   |     |
| <b>Contact Termination Code</b>                                                        |     |   |     |   |   |     |
| blank = Solder cup (D*M/D*MM), Crimp (D*A)                                             |     |   |     |   |   |     |
| J = 90° PCB signal contact, (ø.030" × .170" long)                                      |     |   |     |   |   |     |
| N = Straight PCB signal contact, (ø.030" × .178" long)                                 |     |   |     |   |   |     |
| V = 90° PCB signal contact, (ø.024" × .157" long)                                      |     |   |     |   |   |     |
| Y = Straight PCB signal contact, (ø.024" × .178" long)                                 |     |   |     |   |   |     |
| <b>Contact Gender</b>                                                                  |     |   |     |   |   |     |
| P = Pin /Male (plug)                                                                   |     |   |     |   |   |     |
| S = Socket /Female (receptacle)                                                        |     |   |     |   |   |     |
| <b>Layout (Example: 5W1- Total number of 5 contacts with 1 size 8 cavity)</b>          |     |   |     |   |   |     |
| Shell Size E: 2W2, 2WK2, 5W1                                                           |     |   |     |   |   |     |
| Shell Size A: 3W3, 3WK3, 7W2, 11W1                                                     |     |   |     |   |   |     |
| Shell Size B: 5W5, 9W4, 13W3, 17W2, 21W1                                               |     |   |     |   |   |     |
| Shell Size C: 8W8, 13W6, 17W5, 21WA4, 25W3, 27W2                                       |     |   |     |   |   |     |
| Shell Size D: 24W7, 36W4, 43W2, 47W1                                                   |     |   |     |   |   |     |
| W = Empty size 8 cavities                                                              |     |   |     |   |   |     |
| C = 75 Ohm Coax installed (straight or 90°)                                            |     |   |     |   |   |     |
| X = 50 Ohm Coax installed (straight or 90°)                                            |     |   |     |   |   |     |
| H = High power installed (straight)                                                    |     |   |     |   |   |     |
| P = High power installed (Euro, 90° only)                                              |     |   |     |   |   |     |
| V = High voltage installed (available in straight PC only)                             |     |   |     |   |   |     |
| G = Guide pin or guide socket installed                                                |     |   |     |   |   |     |
| R = Mini High Power 90° installed                                                      |     |   |     |   |   |     |
| E = HEP Contact (installed or loose)                                                   |     |   |     |   |   |     |

# Cannon Combo-D Part Number Configurator

## European Version

| DBM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | E | 9C4 | P | P00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1A5N | A191 | K87 | 146 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|-----|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|-----|-----|
| <b>Product Family Designator</b><br>D*M = D*M Combo-D<br>* = Shell size – E, A, B, C and D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |   |     |   | <b>PCB Mounting Method</b><br>146 = Pushfit for PCB hole dia. 3,0 mm<br>161 = Pushfit for PCB hole dia. 3,2 mm, straight version only<br>162 = Pushfit for PCB hole dia. 3,2 mm, 90° version only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |      |     |     |
| <b>Hardware Modifier</b><br>blank = 3,05mm (.120") Through Hole<br>E = #4-40 Clinchnut (solder cup, straight solder pin and 1A0N)<br>N = 7,66 mm (.300") with #4-40 post and pushfit, only OL4<br>Q = 7,66 mm (.300") M3 standoff, only OL4<br>T = 7,66 mm (.300") M3 post, only OL4<br>U = 7,66 mm (.300") standoff, M3 Post with pushfit, only OL4<br>V = 7,66 mm (.300") #4-40 standoff, only OL4<br>X = M-3 Clinchnut (solder cup, straight solder pin and 1A0N)<br>Y = Dual Float Mount, only solder cup<br>Z = 7,66 mm (.300") #4-40 with pushfit, only OL4                                                                               |   |     |   | <b>Shell Plating Modification Code</b><br>blank = Yellow chromate over zinc<br>A197 = Pure Tin over Nickel (socket side only) <b>RoHS</b><br>K87 = Pure Tin over Nickel (pin shell with grounding dimples) <b>RoHS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |      |     |     |
| <b>Layout (Total number of contacts + number of size 8 cavities)</b><br>Shell Size E: 2W2, 2WK2, 5W1<br>Shell Size A: 3W3, 3WK3, 7W2, 11W1<br>Shell Size B: 5W5, 9W4, 13W3, 17W2, 21W1<br>Shell Size C: 8W8, 13W6, 17W5, 21WA4, 25W3, 27W2<br>Shell Size D: 24W7, 36W4, 43W2, 47W1<br>W = Empty size 8 cavities<br>C = 75 Ohm Coax installed (straight or 90°)<br>X = 50 Ohm Coax installed (straight or 90°)<br>H = High power installed (straight)<br>P = High power installed (Euro, 90° only)<br>V = High voltage installed (available in straight PC only)<br>G = Guide pin or guide socket installed<br>R = Mini High Power 90° installed |   |     |   | <b>Contact Plating Modification Code</b><br>blank = performance class 3 (50 mating cycles)<br>A191 = performance class 2 (200 mating cycles)<br>A190 = performance class 1 (500 mating cycles)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |      |     |     |
| <b>Contact Gender</b><br>P = Pin /Male (plug)<br>S = Socket /Female (receptacle)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   | <b>Contact Tail Modifier</b><br>blank = Solder cup (size 8 contacts not loaded on these versions)<br>OL2 = Not standard, please call factory<br>OL3 = Solder pin /pc tail, straight<br>1A0N = Without mouting bracket, hole dia. 3,05 mm<br>1A5N = Plastic bracket with bushing dia. 3,05 mm<br>1A6N = Plastic bracket with #4-40 threaded post<br>1A7N = Metal bracket and #4-40 captive nut<br>1A8N = Metal bracket with #4-40 threaded post<br>1A9N = Metal bracket and M3 captive nut<br>1ADN = Plastic bracket with grounding bracket and bushing dia. 3,05 mm<br>1AFN = Metal bracket with bushing dia. 3,05 mm<br>1AGN = Plastic bracket with grounding bracket and M3 threaded post<br>1AHN = Metal bracket with M3 threaded post<br>1AJN = Plastic bracket with grounding bracket and #4-40 threaded post<br>1APN = Plastic bracket with M3 threaded post – Not available, please use 1AHN instead<br>1ATN = Plastic bracket and M3 captive nut – Not available, please use 1A9N instead<br>1AUN = Plastic bracket and #4-40 captive nut<br>1AVN = Plastic bracket with grounding bracket and captive M3 nut – Not available, please use 1A9N instead<br>1AWN = Plastic bracket with grounding bracket and captive #4-40 nut – Not available, please use 1A7N instead<br>1AEN = 90° low profile metal bracket with M3 captive nut<br>1AAN = Low profile metal bracket and #4-40 captive nut – Not available, please use 1A7N instead<br>1ABN = Low profile metal bracket and M3 threaded post – Not available, please use 1AHN instead<br>1ACN = Low profile metal bracket and #4-40 threaded post – Not available, please use 1A8N instead<br>1ALN = Low profile metal bracket and bushing dia. 3,05 mm – Not available, please use 1AFN instead |      |      |     |     |
| <b>Code only applicable for Pressfit High Power size 8 contact</b><br>P00 = Pessfit High power PCB dia 2,9 mm<br>P01 = Pessfit High power PCB dia 3,1 mm<br>P02 = Pessfit High power PCB dia 3,5 mm                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |      |     |     |





Connect with your ITT Cannon  
representative today or visit us at  
ittcannon.com

# Connect with the experts.

From rocket launchers and communication satellites,  
to commercial avionics and industrial applications,  
we connect data, power and signal with those who  
need it most.



Connect with your ITT Cannon representative today or visit us at [ittcannon.com](http://ittcannon.com)

Follow us 

|                                                   |                                              |                                            |                                             |                                      |                                            |
|---------------------------------------------------|----------------------------------------------|--------------------------------------------|---------------------------------------------|--------------------------------------|--------------------------------------------|
| <b>CHINA - Shenzhen City</b><br>+86.755.2726.7888 | <b>GERMANY - Weinstadt</b><br>+49.7151.699.0 | <b>ITALY - Lainate</b><br>+39.02938721     | <b>KOREA</b><br>+82.2.702.7111              | <b>SHANGHAI</b><br>+ 86.21.2231.2222 | <b>UK - Basingstoke</b><br>+44.1256.347400 |
| <b>FRANCE</b><br>+33.1.60.04.93.93                | <b>HONG KONG</b><br>+852.2732.2720           | <b>JAPAN - Kanagawa</b><br>+81.462.57.2010 | <b>MEXICO - Nogales</b><br>+52.631.311.0050 | <b>SINGAPORE</b><br>+65 66974205     | <b>USA - Irvine, CA</b><br>+1.800.854.3028 |