

PART NUMBER CREATOR

6 0 0 7 W 2 S A M 6 2 B 3 O X

Product Line

- 6 = Shell: Brass tin plated with die-cast frame
- 4\* = Shell: Brass tin plated with or without plastic frame
- 8\* = Shell: Stainless steel with or without die-cast frame
- 9\* = Shell: Stainless steel with plastic frame
- \* on request

Variations

- Shellsize 1 = 5W1, 2W2C
- Shellsize 2 = 3W3, 7W2, 11W1, 3W3C
- Shellsize 3 = 5W5, 9W4, 13W3, 17W2, 21W1
- Shellsize 4 = 8W8, 13W6, 17W5, 21WA4, 25W3, 27W2
- Shellsize 5 = 24W7, 36W4, 43W2, 47W1
- Empty positions ADD „0“ for example 007W2

Contact type

- P = Plug connector
- S = Socket connector

Plating code/Quality class for signal contacts

- A = Quality class 3 = 50 mating cycles
- B\* = Quality class 2 =200 mating cycles
- C = Quality class 1 =500 mating cycles
- X = without signal contact
- \* on request

Termination applies to signal contacts only

- M = Solder cup
- R = Solder pin – Straight
- T = Solder pin – Angled, .189"/4.80 mm
- U = Solder pin – Angled, .276"/7.00 mm
- Z = Solder pin – Angled, .465"/11.80 mm
- X = 3W3, 5W5, 8W8, 2W2C, 3W3C

Termination for high power or coaxial contacts

Quality class 3 /Quality class 1

- 61 / 41 = Solder cup 10 A
- 62 / 42 = Solder cup 20 A
- 68 / 48 = Solder pin – Straight 20 A, D= .077"/1.95 mm
- 69 / 49 = Solder pin – Straight 20 A, D= .102"/2.60 mm
- 70 / 50 = Solder pin – Straight 20 A, D= .112"/2.85 mm
- 71 / 51 = Solder pin – Straight 30 A, D= .125"/3.18 mm
- 72 / 52 = Solder pin – Straight 40 A, D= .148"/3.75 mm
- 59 / 55 = Solder pin – Angled 15 A
- 73 / 56 = Solder pin – Angled 20 A
- 74 / 57 = Solder pin – Angled 30 A
- 75 / 58 = Solder pin – Angled 40 A
- 77 / 60 = Solder pin – Angled 40 A

Quality class 3 /Quality class 1

- 85 / 65 = Solder pin – Angled 30 A
- 81 / 66 = Solder pin – Angled 20 A
- 82 / 67 = Solder pin – Angled 30 A
- F9 / H4 = Cable connection straight 75 Ω
- G1 / H5 = Cable connection straight 75 Ω
- G2 / H6 = Cable connection straight 50 Ω
- G3 / H7 = Cable connection straight 50 Ω
- G4 / H8 = Cable connection straight 50 Ω
- G5 / H9 = Cable connection straight 50 Ω
- G6 / K1 = Cable connection straight 50 Ω
- G7 / 76 = 3 solder pins straight 50 Ω
- G8 / 86 = 3 solder pins straight 75 Ω

Quality class 3 /Quality class 1

- G9 / 78 = 3 solder pins angled 50 Ω
- H1 / 79 = 3 solder pins angled 50 Ω
- H2 / 88 = 3 solder pins angled 75 Ω
- H3 / 89 = 3 solder pins angled 75 Ω
- R1 = Screw/Crimp 10 A
- R2 = Screw/Crimp 20 A
- R3 = Screw/Crimp 30 A
- R4 = Screw/Crimp 40 A

Mounting style

- A1 = Riveted through hole for hood assembly
- B2 = M3 threaded insert
- B3 = 4-40 UNC threaded insert
- B4 = M3 front spacer
- B5 = 4-40 UNC front spacer
- E1 = M3 threaded rear spacer with PCB clip, PCB .063"/1.60 mm
- E2 = 4-40 UNC threaded rear spacer with PCB clip, PCB .063"/1.60 mm
- S1 = Metal bracket, M3 threaded insert
- S2 = Metal bracket, 4-40 UNC threaded insert
- S3 = Metal bracket, M3 threaded insert and PCB clip
- S4 = Metal bracket, 4-40 UNC threaded insert and PCB clip
- R1 = Metal bracket, M3 threaded insert
- R2 = Metal bracket, 4-40 UNC threaded insert
- R3 = Metal bracket, M3 threaded insert/PCB clip
- R4 = Metal bracket, 4-40 UNC threaded insert/PCB clip

- OX = Standard

# TECHNICAL DATA

| Mechanical and electrical characteristics                         | Signal contacts                                                                                                              | Coaxial contacts        | High power contacts |
|-------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------------------|
| Insulator                                                         | Polyester GF<br>(UL 94V-0)                                                                                                   | PTFE                    |                     |
| Shell                                                             | Brass tin plated                                                                                                             |                         |                     |
| Contact plating                                                   | Gold plated over nickel                                                                                                      |                         |                     |
| Contact material                                                  | CU alloy                                                                                                                     |                         |                     |
| Retaining clip                                                    |                                                                                                                              | CU alloy                | CU alloy            |
| Current rating                                                    | 7.5 A (UL) / 5 A (CSA, VDE)                                                                                                  |                         |                     |
| Test voltage between 2 contacts<br>shell and contact              | 1000 V, 50Hz<br>1 min.                                                                                                       |                         |                     |
| Resistance between mated contacts                                 | ≤ 2.7mΩ                                                                                                                      |                         |                     |
| Insulation resistance                                             | 5GΩ                                                                                                                          | ≤ 1GΩ                   | 5GΩ                 |
| Volume resistivity                                                | 10 <sup>16</sup> Ωcm                                                                                                         |                         |                     |
| Dielectric with standing voltage                                  | 50KV/mm                                                                                                                      |                         |                     |
| Impedance                                                         |                                                                                                                              | 50/75Ω                  |                     |
| Contact resistance inner- /outer conductor                        | ≤ 2.7mΩ                                                                                                                      | ≤ 2.7mΩ                 | ≤ 1mΩ               |
| VSWR-value at according MIL-C-39012<br>1.2GHz<br>1.5GHz<br>2.0GHz |                                                                                                                              | ≤ 1.2<br>≤ 1.3<br>≤ 1.5 |                     |
| Dielectric with standing voltage                                  |                                                                                                                              | 750 V 50Hz              |                     |
| Frequency range                                                   |                                                                                                                              | 0-2GHz                  |                     |
| Working voltage                                                   | 250 V                                                                                                                        | 250 V                   |                     |
| Temperature range                                                 | -25°C to +105°C                                                                                                              |                         |                     |
| Degree of protection                                              | Requirements according to IEC 60529 – IP67                                                                                   |                         |                     |
| Insertion force per signal contact                                | ≤ 3.4N                                                                                                                       | ≤ 7N                    | ≤ 7N                |
| Extraction force per signal contact                               | ≤ 0.2N                                                                                                                       | ≤ 7N                    | ca. 5N              |
| Quality class                                                     | A = Quality class 3 = 50 mating cycles<br>B = Quality class 2 = 200 mating cycles<br>C = Quality class 1 = 500 mating cycles |                         |                     |

| Solder parameter                   | Preheating       |          | Solder terminal dipping parameters |                              |
|------------------------------------|------------------|----------|------------------------------------|------------------------------|
|                                    | max. Temperature | Duration | max. Solder bath Temperature       | max. Terminal Immersion Time |
| Recommended wave-solder parameters | 120°C            | 120s     | 240°C                              | 5s                           |

Technical specifications are subject to change without notice.

# PANEL MOUNTING

Front panel mounting

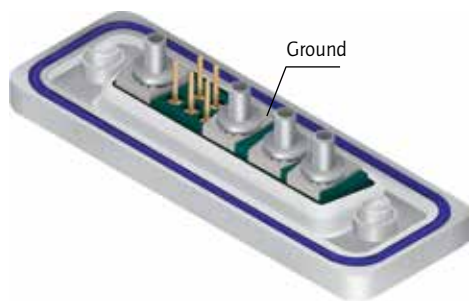


Rear panel mounting



**Grounding for Coaxial contacts**

To optimize a perfect ground connection from the coaxial outer conductor to the metal shell (Factory installed).



**Hole plug**

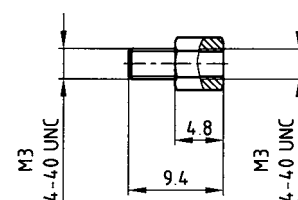
The hole plug can be used for both male and female connector. The assembly is implemented from the mating side. The hole plug is used to plug unwanted holes in the insulator. (Factory installed)



**Threaded insert**

Suitable hex bolts with either 4-40 UNC or M3 thread are supplied with the IP67 rated connectors.

Hex bolt material: Stainless steel



## IP-CODE FIGURE DEFINITIONS

| 1. Code figure | Definition                                                                                                                                       | Remark                                                                                                                                                                                                                                                                    |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0              | Not protected                                                                                                                                    |                                                                                                                                                                                                                                                                           |
| 1              | Protected against access to hazardous parts by the back of the hand.<br>Protected against fixed foreign objects $\varnothing \geq 1.969"/50$ mm. |                                                                                                                                                                                                                                                                           |
| 2              | Protected against access to hazardous parts with a finger.<br>Protected against fixed foreign objects $\varnothing \geq .492"/12.5$ mm.          |                                                                                                                                                                                                                                                                           |
| 3              | Protected against access to hazardous parts with a tool.<br>Protected against fixed foreign objects $\varnothing \geq .098"/2.5$ mm.             |                                                                                                                                                                                                                                                                           |
| 4              | Protected against access to hazardous parts with a wire.<br>Protected against fixed foreign objects $\varnothing \geq .039"/1$ mm.               |                                                                                                                                                                                                                                                                           |
| 5              | Protected against access to hazardous parts with a wire.<br>Dust protected.                                                                      | Ingress of dust is not completely blocked.<br>But dust may not penetrate to the extent that satisfactory operation of the device or safety is impaired.                                                                                                                   |
| 6              | Protected against access to hazardous parts with a wire.<br>Dustproof. No ingress of dust.                                                       |                                                                                                                                                                                                                                                                           |
| 2. Code figure | Definition                                                                                                                                       | Remark                                                                                                                                                                                                                                                                    |
| 0              | Not protected                                                                                                                                    |                                                                                                                                                                                                                                                                           |
| 1              | Protected against dropper.                                                                                                                       |                                                                                                                                                                                                                                                                           |
| 2              | Protected against dropper when the shell is tipped as much as 15°.                                                                               |                                                                                                                                                                                                                                                                           |
| 3              | Protected against spray water                                                                                                                    | Up to 60° of either side of the vertical, such spray water shall have no harmful effects.                                                                                                                                                                                 |
| 4              | Protected against splash water                                                                                                                   | On the shell from all directions, no harmful effects shall be incurred.                                                                                                                                                                                                   |
| 5              | Protected against jets of water.                                                                                                                 |                                                                                                                                                                                                                                                                           |
| 6              | Protected against strong jets of water.                                                                                                          |                                                                                                                                                                                                                                                                           |
| 7              | Protected against the effects of temporary submersion in water.                                                                                  | Water may not ingress in a volume that would cause harmful effects when the shell is submerged in water for 30 min at a depth of 1 m.                                                                                                                                     |
| 8              | Protected against the effects of continuous submersion in water.                                                                                 | Water may not ingress in a volume that would cause harmful effects when the shell is continuously submerged in water under conditions agreed between manufacturer and user.<br>However, these conditions must be more stringent than those described under code figure 7. |
| 9k             | Protected against water from high-pressure or steam cleaning.                                                                                    |                                                                                                                                                                                                                                                                           |

### Explanation to spray water protected (IP) systems and their environment.

This system, described in IEC 60529, was developed to represent standard values for respective protection:

- a) Contact with, and ingress of, fixed foreign objects
- b) The ingress of liquids to which the inside is to be exposed.

The first digit describes the level of protection for life, contacting objects and the intrusion of foreign bodies. The second digit describes the level of protection against the ingress of liquids. The larger the first and second digits are, the greater afforded protection is, e.g. IP55 must also meet the requirements of all lower protection levels, such as IP22, IP23, IP34 and IP54.

## TECHNICAL INFORMATION

### SKIN EFFECT

Alternating currents do not uniformly occupy the entire cross section of the conductor, rather inductance effect in the conductor deflects the current towards the surface of the conductor, whereby this deflection increases with the frequency.

The resistive attenuation of a transmission line increases with the frequency as a result of this skin effect.

The skin depth (equivalent thickness of the layer in which current flows) can be determined using

$$\delta = \frac{1}{\sqrt{f \pi \sigma \mu_0 \mu_r}}$$

$f$  = frequency

$\sigma$  = conductivity of the conductor material

$\sigma_{Ag} = 62 \times 10^6 \text{ S/m}$

$\sigma_{Cu} = 58 \times 10^6 \text{ S/m}$

$\mu_0 = 1,256 \times 10^{-6} \text{ Vs / Am}$

$\mu_r$  ... relative permeability constant for the employed material

### VSWR-VALUE

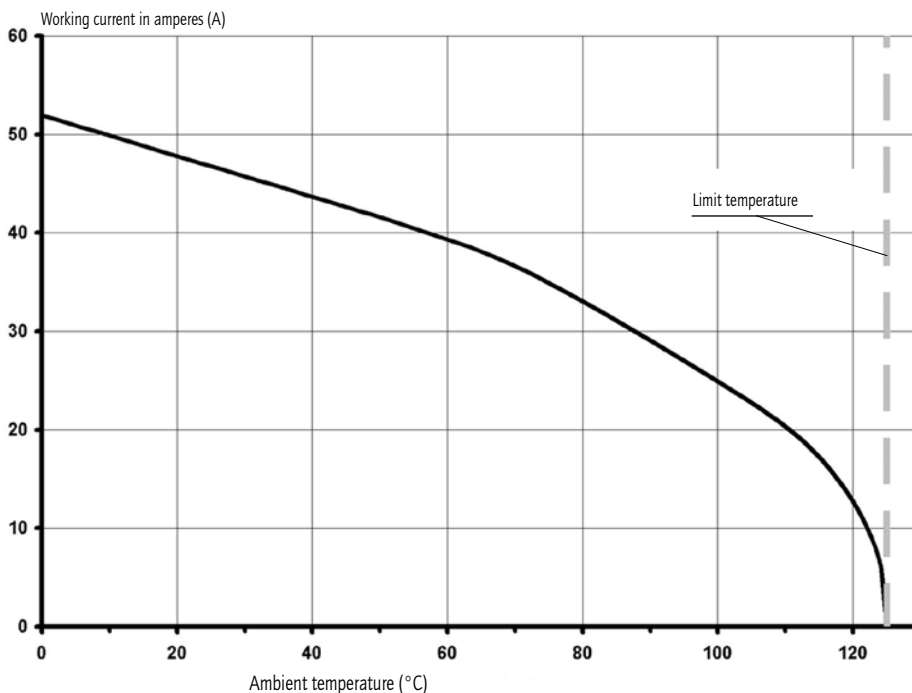
The ratio between the value of the largest and the smallest voltages on a loss-free line is known as the ripple or voltage standing wave ratio  $s$  (where  $1 \leq s < \infty$ ). The reciprocal value of the VSWR is known as the inverse voltage standing wave ratio  $m$  (where  $0 < m \leq 1$ ).

(VSWR = Voltage standing wave ratio)

The value of  $s$  is linked with the  $\rightarrow$  reflection coefficient  $r$  on  $s$  transmission line according to the equation

$$s = \frac{(1 + |r|)}{(1 - |r|)}$$

### DERATING CURVE



All connectors in the Water Resistant Combination D-Subminiature series are fully loaded with contacts.

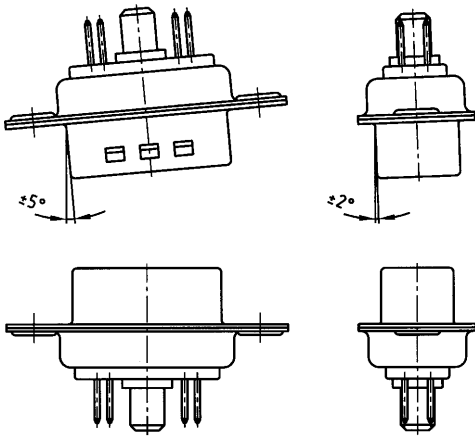
They are equipped with either signal, high voltage, high power or coaxial contacts according to requirements.

Our production standard requires that all connectors are fully loaded.

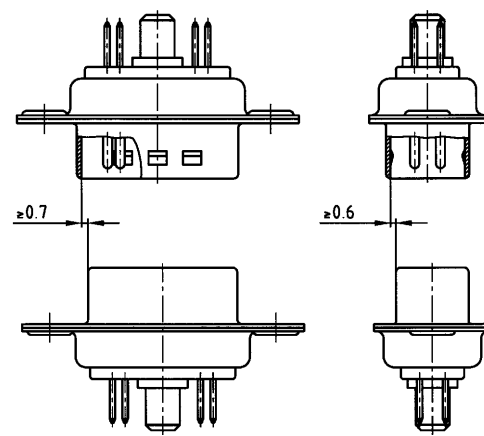
Connectors 3W3, 5W5 and 8W8 female: Socket contacts are fingerprobe safe according to UL1950 and CSA 22.2.950 specifications.

# MATING CONDITIONS

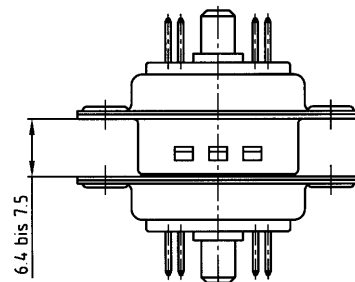
Float mount tolerance guide



Rigid mount tolerance guide

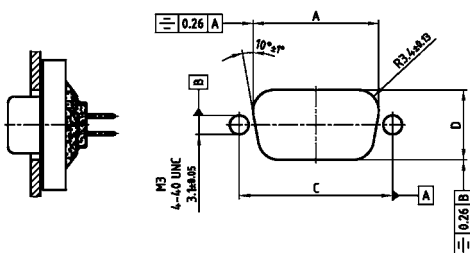


Rigid mount vertical to tolerance guide

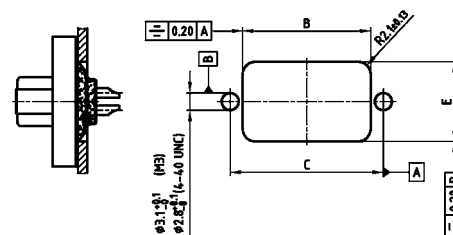


## PANEL CUT-OUT

Rear panel mounting



Front panel mounting



| Shellsize | A ±0.1 | B ±0.1 | C ±0.1 | D ±0.1 | E ±0.1 |
|-----------|--------|--------|--------|--------|--------|
| 1         | 20.50  | 20.90  | 25.00  | 11.40  | 13.00  |
| 2         | 28.80  | 29.20  | 33.30  | 11.40  | 13.00  |
| 3         | 42.50  | 42.90  | 47.04  | 11.40  | 13.00  |
| 4         | 59.10  | 59.40  | 63.50  | 11.40  | 13.00  |
| 5         | 56.30  | 57.00  | 61.10  | 14.10  | 15.80  |

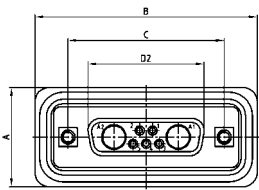
# IP67 COMBINATION D-SUB

Solder cup – Precision machined contacts – For wire size AWG 20

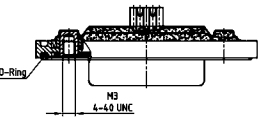


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

## SOCKET CONNECTOR

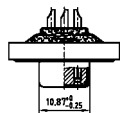
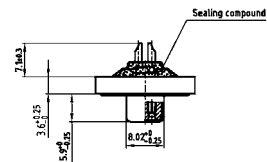


| Shellsize | A +0.3 | B +0.3 | C                                       | D2 +0.25 |
|-----------|--------|--------|-----------------------------------------|----------|
| 1         | 21.10  | 39.40  | 25.00 <sup>+0.12</sup> <sub>-0.13</sub> | 16.46    |
| 2         | 21.10  | 47.70  | 33.30 <sup>+0.15</sup> <sub>-0.10</sub> | 24.79    |
| 3         | 21.10  | 61.40  | 47.04 <sup>+0.13</sup> <sub>-0.10</sub> | 38.50    |
| 4         | 21.10  | 77.90  | 63.50 <sup>+0.13</sup> <sub>-0.10</sub> | 54.96    |
| 5         | 23.90  | 75.50  | 61.10 <sup>+0.14</sup> <sub>-0.11</sub> | 52.55    |



Shellsize 1-4

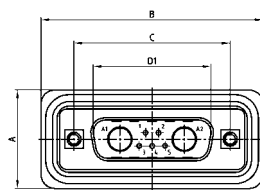
Shellsize 5



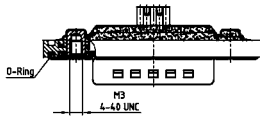
## DESCRIPTION

- Signal contacts for wire size AWG 20
- Contacts: high power or coaxial contacts
- Mounting style:  
with 4-40 UNC or M3 threaded insert
- Quality class 3 (Also available in quality class 1)
- Shell: Brass tin plated (Stainless steel on request)
- Nickel plated die-cast frame  
(Black plastic frame on request)
- Stainless steel hex bolts are supplied loose

## PLUG CONNECTOR

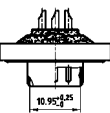
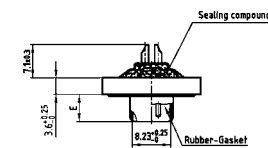


| Shellsize | A +0.3 | B +0.3 | C                                       | D1 +0.25 | E -0.30 |
|-----------|--------|--------|-----------------------------------------|----------|---------|
| 1         | 21.10  | 39.40  | 25.00 <sup>+0.12</sup> <sub>-0.13</sub> | 16.79    | 5.82    |
| 2         | 21.10  | 47.70  | 33.30 <sup>+0.15</sup> <sub>-0.10</sub> | 25.12    | 5.82    |
| 3         | 21.10  | 61.40  | 47.04 <sup>+0.13</sup> <sub>-0.10</sub> | 38.84    | 5.69    |
| 4         | 21.10  | 77.90  | 63.50 <sup>+0.13</sup> <sub>-0.10</sub> | 55.30    | 5.69    |
| 5         | 23.90  | 75.50  | 61.10 <sup>+0.14</sup> <sub>-0.11</sub> | 52.68    | 5.69    |



Shellsize 1-4

Shellsize 5



## ORDER DATA

| SOCKET CONNECTOR |                         | High power contact |  | Part Number       |
|------------------|-------------------------|--------------------|--|-------------------|
| Design           | Mounting style 4-40 UNC |                    |  |                   |
| 5W1              | Threaded insert         | 10 A               |  | 6005W1SAM 61 B30X |
| 7W2              | Threaded insert         | 10 A               |  | 6007W2SAM 61 B30X |
| 11W1             | Threaded insert         | 10 A               |  | 6011W1SAM 61 B30X |
| 9W4              | Threaded insert         | 10 A               |  | 6009W4SAM 61 B30X |
| 13W3             | Threaded insert         | 10 A               |  | 6013W3SAM 61 B30X |
| 17W2             | Threaded insert         | 10 A               |  | 6017W2SAM 61 B30X |
| 21W1             | Threaded insert         | 10 A               |  | 6021W1SAM 61 B30X |
| 13W6             | Threaded insert         | 10 A               |  | 6013W6SAM 61 B30X |
| 17W5             | Threaded insert         | 10 A               |  | 6017W5SAM 61 B30X |
| 21WA4            | Threaded insert         | 10 A               |  | 621WA4SAM 61 B30X |
| 25W3             | Threaded insert         | 10 A               |  | 6025W3SAM 61 B30X |
| 27W2             | Threaded insert         | 10 A               |  | 6027W2SAM 61 B30X |
| 24W7             | Threaded insert         | 10 A               |  | 6024W7SAM 61 B30X |
| 36W4             | Threaded insert         | 10 A               |  | 6036W4SAM 61 B30X |
| 43W2             | Threaded insert         | 10 A               |  | 6043W2SAM 61 B30X |
| 47W1             | Threaded insert         | 10 A               |  | 6047W1SAM 61 B30X |

| PLUG CONNECTOR |                         | High power contact |  | Part Number       |
|----------------|-------------------------|--------------------|--|-------------------|
| Design         | Mounting style 4-40 UNC |                    |  |                   |
| 5W1            | Threaded insert         | 10 A               |  | 6005W1PAM 61 B30X |
| 7W2            | Threaded insert         | 10 A               |  | 6007W2PAM 61 B30X |
| 11W1           | Threaded insert         | 10 A               |  | 6011W1PAM 61 B30X |
| 9W4            | Threaded insert         | 10 A               |  | 6009W4PAM 61 B30X |
| 13W3           | Threaded insert         | 10 A               |  | 6013W3PAM 61 B30X |
| 17W2           | Threaded insert         | 10 A               |  | 6017W2PAM 61 B30X |
| 21W1           | Threaded insert         | 10 A               |  | 6021W1PAM 61 B30X |
| 13W6           | Threaded insert         | 10 A               |  | 6013W6PAM 61 B30X |
| 17W5           | Threaded insert         | 10 A               |  | 6017W5PAM 61 B30X |
| 21WA4          | Threaded insert         | 10 A               |  | 621WA4PAM 61 B30X |
| 25W3           | Threaded insert         | 10 A               |  | 6025W3PAM 61 B30X |
| 27W2           | Threaded insert         | 10 A               |  | 6027W2PAM 61 B30X |
| 24W7           | Threaded insert         | 10 A               |  | 6024W7PAM 61 B30X |
| 36W4           | Threaded insert         | 10 A               |  | 6036W4PAM 61 B30X |
| 43W2           | Threaded insert         | 10 A               |  | 6043W2PAM 61 B30X |
| 47W1           | Threaded insert         | 10 A               |  | 6047W1PAM 61 B30X |

For other contact types refer to page 6 | 32 to 6 | 37

| Contact         | Code |
|-----------------|------|
| High power 10 A | = 61 |
| High power 20 A | = 62 |

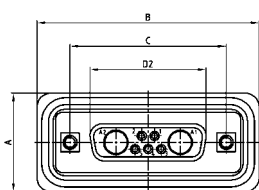
# IP67 COMBINATION D-SUB

Solder pin – Straight – Precision machined contacts

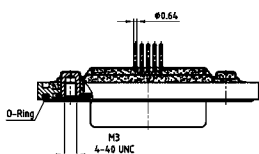


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

## SOCKET CONNECTOR

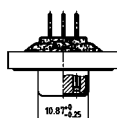
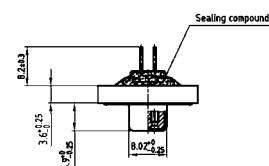


| Shellsize | A +0.3 | B +0.3 | C                                                            | D2 +0.25 |
|-----------|--------|--------|--------------------------------------------------------------|----------|
| 1         | 21.10  | 39.40  | 25.00 $\begin{smallmatrix} +0.12 \\ -0.13 \end{smallmatrix}$ | 16.46    |
| 2         | 21.10  | 47.70  | 33.30 $\begin{smallmatrix} +0.15 \\ -0.10 \end{smallmatrix}$ | 24.79    |
| 3         | 21.10  | 61.40  | 47.04 $\begin{smallmatrix} +0.13 \\ -0.10 \end{smallmatrix}$ | 38.50    |
| 4         | 21.10  | 77.90  | 63.50 $\begin{smallmatrix} +0.13 \\ -0.10 \end{smallmatrix}$ | 54.96    |
| 5         | 23.90  | 75.50  | 61.10 $\begin{smallmatrix} +0.14 \\ -0.11 \end{smallmatrix}$ | 52.55    |



Shellsize 1-4

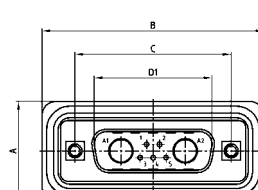
Shellsize 5



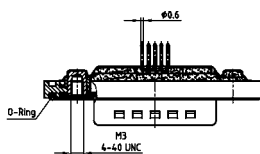
## DESCRIPTION

- Contacts: high power or coaxial contacts
- Mounting style:  
with 4-40 UNC or M3 threaded insert
- Quality class 3 (also available in quality class 1)
- Shell: Brass tin plated (Stainless steel on request)
- Nickel plated die-cast frame  
(Black plastic frame on request)
- Stainless steel hex bolts are supplied loose

## PLUG CONNECTOR

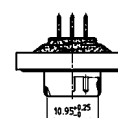
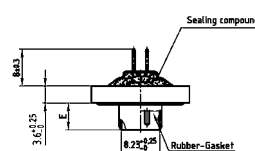


| Shellsize | A +0.3 | B +0.3 | C                                                            | D1 +0.25 | E -0.30 |
|-----------|--------|--------|--------------------------------------------------------------|----------|---------|
| 1         | 21.10  | 39.40  | 25.00 $\begin{smallmatrix} +0.12 \\ -0.13 \end{smallmatrix}$ | 16.79    | 5.82    |
| 2         | 21.10  | 47.70  | 33.30 $\begin{smallmatrix} +0.15 \\ -0.10 \end{smallmatrix}$ | 25.12    | 5.82    |
| 3         | 21.10  | 61.40  | 47.04 $\begin{smallmatrix} +0.13 \\ -0.10 \end{smallmatrix}$ | 38.84    | 5.69    |
| 4         | 21.10  | 77.90  | 63.50 $\begin{smallmatrix} +0.13 \\ -0.10 \end{smallmatrix}$ | 55.30    | 5.69    |
| 5         | 23.90  | 75.50  | 61.10 $\begin{smallmatrix} +0.14 \\ -0.11 \end{smallmatrix}$ | 52.68    | 5.69    |



Shellsize 1-4

Shellsize 5



## ORDER DATA

| SOCKET CONNECTOR |                         | High power contact |           | Bestellnummer |
|------------------|-------------------------|--------------------|-----------|---------------|
| Design           | Mounting style 4-40 UNC |                    |           |               |
| 5W1              | Threaded insert         | 20 A               | 6005W1SAR | 68 B30X       |
| 7W2              | Threaded insert         | 20 A               | 6007W2SAR | 68 B30X       |
| 11W1             | Threaded insert         | 20 A               | 6011W1SAR | 68 B30X       |
| 9W4              | Threaded insert         | 20 A               | 6009W4SAR | 68 B30X       |
| 13W3             | Threaded insert         | 20 A               | 6013W3SAR | 68 B30X       |
| 17W2             | Threaded insert         | 20 A               | 6017W2SAR | 68 B30X       |
| 21W1             | Threaded insert         | 20 A               | 6021W1SAR | 68 B30X       |
| 13W6             | Threaded insert         | 20 A               | 6013W6SAR | 68 B30X       |
| 17W5             | Threaded insert         | 20 A               | 6017W5SAR | 68 B30X       |
| 21WA4            | Threaded insert         | 20 A               | 621WA4SAR | 68 B30X       |
| 25W3             | Threaded insert         | 20 A               | 6025W3SAR | 68 B30X       |
| 27W2             | Threaded insert         | 20 A               | 6027W2SAR | 68 B30X       |
| 24W7             | Threaded insert         | 20 A               | 6024W7SAR | 68 B30X       |
| 36W4             | Threaded insert         | 20 A               | 6036W4SAR | 68 B30X       |
| 43W2             | Threaded insert         | 20 A               | 6043W2SAR | 68 B30X       |
| 47W1             | Threaded insert         | 20 A               | 6047W1SAR | 68 B30X       |

| PLUG CONNECTOR |                         | High power contact |           | Part Number |
|----------------|-------------------------|--------------------|-----------|-------------|
| Design         | Mounting style 4-40 UNC |                    |           |             |
| 5W1            | Threaded insert         | 20 A               | 6005W1PAR | 68 B30X     |
| 7W2            | Threaded insert         | 20 A               | 6007W2PAR | 68 B30X     |
| 11W1           | Threaded insert         | 20 A               | 6011W1PAR | 68 B30X     |
| 9W4            | Threaded insert         | 20 A               | 6009W4PAR | 68 B30X     |
| 13W3           | Threaded insert         | 20 A               | 6013W3PAR | 68 B30X     |
| 17W2           | Threaded insert         | 20 A               | 6017W2PAR | 68 B30X     |
| 21W1           | Threaded insert         | 20 A               | 6021W1PAR | 68 B30X     |
| 13W6           | Threaded insert         | 20 A               | 6013W6PAR | 68 B30X     |
| 17W5           | Threaded insert         | 20 A               | 6017W5PAR | 68 B30X     |
| 21WA4          | Threaded insert         | 20 A               | 621WA4PAR | 68 B30X     |
| 25W3           | Threaded insert         | 20 A               | 6025W3PAR | 68 B30X     |
| 27W2           | Threaded insert         | 20 A               | 6027W2PAR | 68 B30X     |
| 24W7           | Threaded insert         | 20 A               | 6024W7PAR | 68 B30X     |
| 36W4           | Threaded insert         | 20 A               | 6036W4PAR | 68 B30X     |
| 43W2           | Threaded insert         | 20 A               | 6043W2PAR | 68 B30X     |
| 47W1           | Threaded insert         | 20 A               | 6047W1PAR | 68 B30X     |

For other contacts prefer to page 6 | 32 to 6 | 37

| Contact                           | Code |
|-----------------------------------|------|
| High power 20 A; D=.080/1.95 mm = | 68   |
| High power 20 A; D=.102/2.60 mm = | 69   |
| High power 20 A; D=.110/2.85 mm = | 70   |
| High power 30 A; D=.130/3.18 mm = | 71   |
| High power 40 A; D=.150/3.75 mm = | 72   |

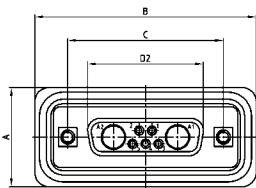
IP67 COMBINATION D-SUB

Solder pin – Straight – Precision machined contacts – Threaded rear spacer with PCB clip

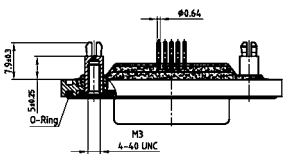


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

SOCKET CONNECTOR

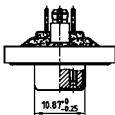
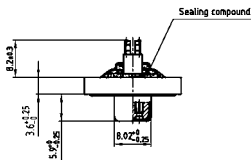


| Shellsize | A +0.3 | B +0.3 | C                                       | D2 +0.25 |
|-----------|--------|--------|-----------------------------------------|----------|
| 1         | 21.10  | 39.40  | 25.00 <sup>+0.12</sup> <sub>-0.13</sub> | 16.46    |
| 2         | 21.10  | 47.70  | 33.30 <sup>+0.15</sup> <sub>-0.10</sub> | 24.79    |
| 3         | 21.10  | 61.40  | 47.04 <sup>+0.13</sup> <sub>-0.10</sub> | 38.50    |
| 4         | 21.10  | 77.90  | 63.50 <sup>+0.13</sup> <sub>-0.10</sub> | 54.96    |
| 5         | 23.90  | 75.50  | 61.10 <sup>+0.14</sup> <sub>-0.11</sub> | 52.55    |

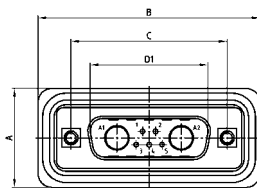


Shellsize 1-4

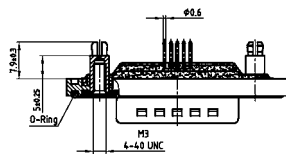
Shellsize 5



PLUG CONNECTOR

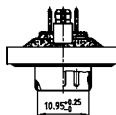
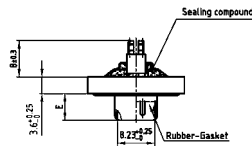


| Shellsize | A +0.3 | B +0.3 | C                                       | D1 +0.25 | E -0.30 |
|-----------|--------|--------|-----------------------------------------|----------|---------|
| 1         | 21.10  | 39.40  | 25.00 <sup>+0.12</sup> <sub>-0.13</sub> | 16.79    | 5.82    |
| 2         | 21.10  | 47.70  | 33.30 <sup>+0.15</sup> <sub>-0.10</sub> | 25.12    | 5.82    |
| 3         | 21.10  | 61.40  | 47.04 <sup>+0.13</sup> <sub>-0.10</sub> | 38.84    | 5.69    |
| 4         | 21.10  | 77.90  | 63.50 <sup>+0.13</sup> <sub>-0.10</sub> | 55.30    | 5.69    |
| 5         | 23.90  | 75.50  | 61.10 <sup>+0.14</sup> <sub>-0.11</sub> | 52.68    | 5.69    |



Shellsize 1-4

Shellsize 5



ORDER DATA

| Socket Connector |                               | High          | Part Number      |
|------------------|-------------------------------|---------------|------------------|
| Design           | Mounting style 4-40 UNC       | power contact |                  |
| 5W1              | Threaded rear spacer PCB clip | 20 A          | 6005W1SAR 68E20X |
| 7W2              | Threaded rear spacer PCB clip | 20 A          | 6007W2SAR 68E20X |
| 11W1             | Threaded rear spacer PCB clip | 20 A          | 6011W1SAR 68E20X |
| 9W4              | Threaded rear spacer PCB clip | 20 A          | 6009W4SAR 68E20X |
| 13W3             | Threaded rear spacer PCB clip | 20 A          | 6013W3SAR 68E20X |
| 17W2             | Threaded rear spacer PCB clip | 20 A          | 6017W2SAR 68E20X |
| 21W1             | Threaded rear spacer PCB clip | 20 A          | 6021W1SAR 68E20X |
| 13W6             | Threaded rear spacer PCB clip | 20 A          | 6013W6SAR 68E20X |
| 17W5             | Threaded rear spacer PCB clip | 20 A          | 6017W5SAR 68E20X |
| 21WA4            | Threaded rear spacer PCB clip | 20 A          | 621WA4SAR 68E20X |
| 25W3             | Threaded rear spacer PCB clip | 20 A          | 6025W3SAR 68E20X |
| 27W2             | Threaded rear spacer PCB clip | 20 A          | 6027W2SAR 68E20X |
| 24W7             | Threaded rear spacer PCB clip | 20 A          | 6024W7SAR 68E20X |
| 36W4             | Threaded rear spacer PCB clip | 20 A          | 6036W4SAR 68E20X |
| 43W2             | Threaded rear spacer PCB clip | 20 A          | 6043W2SAR 68E20X |
| 47W1             | Threaded rear spacer PCB clip | 20 A          | 6047W1SAR 68E20X |

| PLUG CONNECTOR |                               | High          | Part Number       |
|----------------|-------------------------------|---------------|-------------------|
| Design         | Mounting style 4-40 UNC       | power contact |                   |
| 5W1            | Threaded rear spacer PCB clip | 20 A          | 6005W1PAR 68 E20X |
| 7W2            | Threaded rear spacer PCB clip | 20 A          | 6007W2PAR 68 E20X |
| 11W1           | Threaded rear spacer PCB clip | 20 A          | 6011W1PAR 68 E20X |
| 9W4            | Threaded rear spacer PCB clip | 20 A          | 6009W4PAR 68 E20X |
| 13W3           | Threaded rear spacer PCB clip | 20 A          | 6013W3PAR 68 E20X |
| 17W2           | Threaded rear spacer PCB clip | 20 A          | 6017W2PAR 68 E20X |
| 21W1           | Threaded rear spacer PCB clip | 20 A          | 6021W1PAR 68 E20X |
| 13W6           | Threaded rear spacer PCB clip | 20 A          | 6013W6PAR 68 E20X |
| 17W5           | Threaded rear spacer PCB clip | 20 A          | 6017W5PAR 68 E20X |
| 21WA4          | Threaded rear spacer PCB clip | 20 A          | 621WA4PAR 68 E20X |
| 25W3           | Threaded rear spacer PCB clip | 20 A          | 6025W3PAR 68 E20X |
| 27W2           | Threaded rear spacer PCB clip | 20 A          | 6027W2PAR 68 E20X |
| 24W7           | Threaded rear spacer PCB clip | 20 A          | 6024W7PAR 68 E20X |
| 36W4           | Threaded rear spacer PCB clip | 20 A          | 6036W4PAR 68 E20X |
| 43W2           | Threaded rear spacer PCB clip | 20 A          | 6043W2PAR 68 E20X |
| 47W1           | Threaded rear spacer PCB clip | 20 A          | 6047W1PAR 68 E20X |

PCB clip .122" / 3.1 ± .004" / 0.10 mm hole diameter and .063" / 1.6 mm circuit board thickness.

For other contacts prefer to page 6 | 32 to 6 | 37

| Contact                           | Code |
|-----------------------------------|------|
| High power 20 A; D=.080/1.95 mm = | 68   |
| High power 20 A; D=.102/2.60 mm = | 69   |
| High power 20 A; D=.110/2.85 mm = | 70   |
| High power 30 A; D=.130/3.18 mm = | 71   |
| High power 40 A; D=.150/3.75 mm = | 72   |

# IP67 COMBINATION D-SUB

Solder pin – Angled – .189" / 4.8 mm – Precision machined contacts – Metal bracket

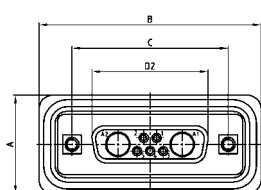


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

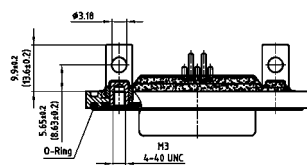
## DESCRIPTION

- Contacts: high power or coaxial contacts
- Mounting style:  
metal bracket with 4-40 UNC or M3 threaded insert
- Quality class 3 (also available in quality class 1)
- Shell: Brass tin plated (Stainless steel on request)
- Nickel plated die-cast frame  
(Black plastic frame on request)
- Stainless steel hex bolts are supplied loose

## SOCKET CONNECTOR

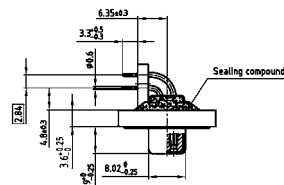


| Shellsize | A +0.3 | B +0.3 | C                            | D2 +0.25 |
|-----------|--------|--------|------------------------------|----------|
| 1         | 21.10  | 39.40  | 25.00 <sup>+0.12/-0.13</sup> | 16.46    |
| 2         | 21.10  | 47.70  | 33.30 <sup>+0.15/-0.10</sup> | 24.79    |
| 3         | 21.10  | 61.40  | 47.04 <sup>+0.13</sup>       | 38.50    |
| 4         | 21.10  | 77.90  | 63.50 <sup>+0.13</sup>       | 54.96    |
| 5         | 23.90  | 75.50  | 61.10 <sup>+0.14/-0.11</sup> | 52.55    |

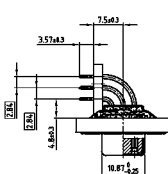


Dim. in ( ) = Shellsize 5

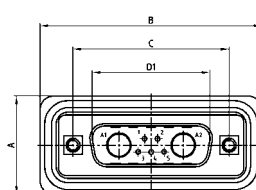
Shellsize 1-4



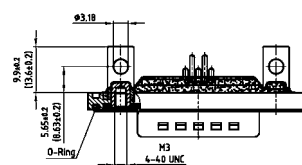
Shellsize 5



## PLUG CONNECTOR

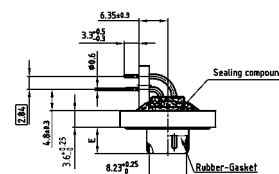


| Shellsize | A +0.3 | B +0.3 | C                            | D1 +0.25 | E -0.30 |
|-----------|--------|--------|------------------------------|----------|---------|
| 1         | 21.10  | 39.40  | 25.00 <sup>+0.12/-0.13</sup> | 16.79    | 5.82    |
| 2         | 21.10  | 47.70  | 33.30 <sup>+0.15/-0.10</sup> | 25.12    | 5.82    |
| 3         | 21.10  | 61.40  | 47.04 <sup>+0.13</sup>       | 38.84    | 5.69    |
| 4         | 21.10  | 77.90  | 63.50 <sup>+0.13</sup>       | 55.30    | 5.69    |
| 5         | 23.90  | 75.50  | 61.10 <sup>+0.14/-0.11</sup> | 52.68    | 5.69    |

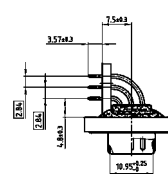


Dim. in ( ) = Shellsize 5

Shellsize 1-4



Shellsize 5



## ORDER DATA

| SOCKET CONNECTOR |                         | High power contact |                   |
|------------------|-------------------------|--------------------|-------------------|
| Design           | Mounting style 4-40 UNC |                    | Part Number       |
| 5W1              | Threaded insert         | 15 A               | 6005W1SAT 59 S20X |
| 7W2              | Threaded insert         | 15 A               | 6007W2SAT 59 S20X |
| 11W1             | Threaded insert         | 15 A               | 6011W1SAT 59 S20X |
| 9W4              | Threaded insert         | 15 A               | 6009W4SAT 59 S20X |
| 13W3             | Threaded insert         | 15 A               | 6013W3SAT 59 S20X |
| 17W2             | Threaded insert         | 15 A               | 6017W2SAT 59 S20X |
| 21W1             | Threaded insert         | 15 A               | 6021W1SAT 59 S20X |
| 13W6             | Threaded insert         | 15 A               | 6013W6SAT 59 S20X |
| 17W5             | Threaded insert         | 15 A               | 6017W5SAT 59 S20X |
| 21WA4            | Threaded insert         | 15 A               | 621WA4SAT 59 S20X |
| 25W3             | Threaded insert         | 15 A               | 6025W3SAT 59 S20X |
| 27W2             | Threaded insert         | 15 A               | 6027W2SAT 59 S20X |
| 24W7             | Threaded insert         | 20 A               | 6024W7SAT 81 S20X |
| 36W4             | Threaded insert         | 20 A               | 6036W4SAT 81 S20X |
| 43W2             | Threaded insert         | 20 A               | 6043W2SAT 81 S20X |
| 47W1             | Threaded insert         | 20 A               | 6047W1SAT 81 S20X |

| PLUG CONNECTOR |                         | High power contact |                   |
|----------------|-------------------------|--------------------|-------------------|
| Design         | Mounting style 4-40 UNC |                    | Part Number       |
| 5W1            | Threaded insert         | 15 A               | 6005W1PAT 59 S20X |
| 7W2            | Threaded insert         | 15 A               | 6007W2PAT 59 S20X |
| 11W1           | Threaded insert         | 15 A               | 6011W1PAT 59 S20X |
| 9W4            | Threaded insert         | 15 A               | 6009W4PAT 59 S20X |
| 13W3           | Threaded insert         | 15 A               | 6013W3PAT 59 S20X |
| 17W2           | Threaded insert         | 15 A               | 6017W2PAT 59 S20X |
| 21W1           | Threaded insert         | 15 A               | 6021W1PAT 59 S20X |
| 13W6           | Threaded insert         | 15 A               | 6013W6PAT 59 S20X |
| 17W5           | Threaded insert         | 15 A               | 6017W5PAT 59 S20X |
| 21WA4          | Threaded insert         | 15 A               | 621WA4PAT 59 S20X |
| 25W3           | Threaded insert         | 15 A               | 6025W3PAT 59 S20X |
| 27W2           | Threaded insert         | 15 A               | 6027W2PAT 59 S20X |
| 24W7           | Threaded insert         | 20 A               | 6024W7PAT 81 S20X |
| 36W4           | Threaded insert         | 20 A               | 6036W4PAT 81 S20X |
| 43W2           | Threaded insert         | 20 A               | 6043W2PAT 81 S20X |
| 47W1           | Threaded insert         | 20 A               | 6047W1PAT 81 S20X |

For other contacts prefer to page 6 | 32 to 6 | 37

| Contact for shellsize 1-4         | Code | Contact for shellsize 5           | Code |
|-----------------------------------|------|-----------------------------------|------|
| High power 15 A; E=.075/1.90 mm = | 59   | High power 20 A; E=.110/2.85 mm = | 81   |
| High power 20 A; E=.110/2.85 mm = | 73   | High power 30 A; E=.150/3.75 mm = | 85   |
| High power 30 A; E=.126/3.20 mm = | 74   | High power 30 A; E=.126/3.20 mm = | 82   |
| High power 40 A; E=.150/3.75 mm = | 75   | High power 40 A; E=.150/3.75 mm = | 77   |

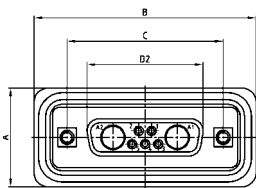
IP67 COMBINATION D-SUB

Solder pin – Angled – .189" / 4.8 mm – Precision machined contacts –  
Metal bracket with PCB clip

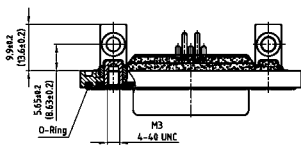


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

SOCKET CONNECTOR

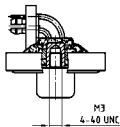


| Shellsize | A +0.3 | B +0.3 | C                                       | D2 +0.25 |
|-----------|--------|--------|-----------------------------------------|----------|
| 1         | 21.10  | 39.40  | 25.00 <sup>+0.12</sup> <sub>-0.13</sub> | 16.46    |
| 2         | 21.10  | 47.70  | 33.30 <sup>+0.15</sup> <sub>-0.10</sub> | 24.79    |
| 3         | 21.10  | 61.40  | 47.04 <sup>+0.13</sup> <sub>-0.10</sub> | 38.50    |
| 4         | 21.10  | 77.90  | 63.50 <sup>+0.13</sup> <sub>-0.10</sub> | 54.96    |
| 5         | 23.90  | 75.50  | 61.10 <sup>+0.14</sup> <sub>-0.11</sub> | 52.55    |

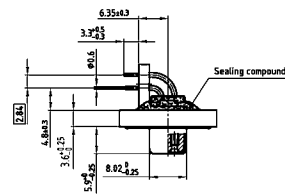


Dim. in ( ) = Shellsize 5

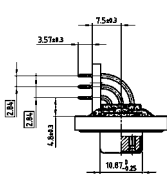
Shellsize 1-4



Shellsize 5



View without clip

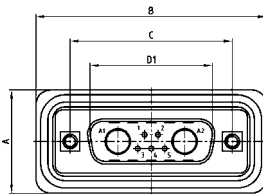


View without clip

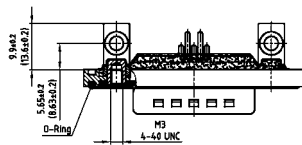
DESCRIPTION

- Contacts: high power or coaxial contacts
- Mounting style:  
metal bracket, threaded insert and 4-40 UNC or M3 PCB clip
- Quality class 3 (also available in quality class 1)
- Shell: Brass tin plated (Stainless steel on request)
- Nickel plated die-cast frame  
(Black plastic frame on request)
- Stainless steel hex bolts are supplied loose

PLUG CONNECTOR

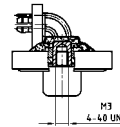


| Shellsize | A +0.3 | B +0.3 | C                                       | D1 +0.25 | E -0.30 |
|-----------|--------|--------|-----------------------------------------|----------|---------|
| 1         | 21.10  | 39.40  | 25.00 <sup>+0.12</sup> <sub>-0.13</sub> | 16.79    | 5.82    |
| 2         | 21.10  | 47.70  | 33.30 <sup>+0.15</sup> <sub>-0.10</sub> | 25.12    | 5.82    |
| 3         | 21.10  | 61.40  | 47.04 <sup>+0.13</sup> <sub>-0.10</sub> | 38.84    | 5.69    |
| 4         | 21.10  | 77.90  | 63.50 <sup>+0.13</sup> <sub>-0.10</sub> | 55.30    | 5.69    |
| 5         | 23.90  | 75.50  | 61.10 <sup>+0.14</sup> <sub>-0.11</sub> | 52.68    | 5.69    |

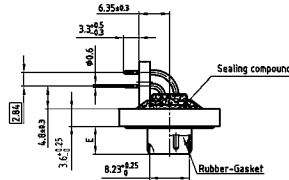


Dim. in ( ) = Shellsize 5

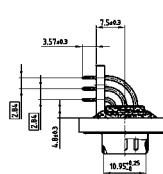
Shellsize 1-4



Shellsize 5



View without clip



View without clip

ORDER DATA

| SOCKET CONNECTOR |                         |                    |                   |
|------------------|-------------------------|--------------------|-------------------|
| Design           | Mounting style 4-40 UNC | High power contact | Part Number       |
| 5W1              | PCB clip / Thread       | 15 A               | 6005W1SAT 59 S40X |
| 7W2              | PCB clip / Thread       | 15 A               | 6007W2SAT 59 S40X |
| 11W1             | PCB clip / Thread       | 15 A               | 6011W1SAT 59 S40X |
| 9W4              | PCB clip / Thread       | 15 A               | 6009W4SAT 59 S40X |
| 13W3             | PCB clip / Thread       | 15 A               | 6013W3SAT 59 S40X |
| 17W2             | PCB clip / Thread       | 15 A               | 6017W2SAT 59 S40X |
| 21W1             | PCB clip / Thread       | 15 A               | 6021W1SAT 59 S40X |
| 13W6             | PCB clip / Thread       | 15 A               | 6013W6SAT 59 S40X |
| 17W5             | PCB clip / Thread       | 15 A               | 6017W5SAT 59 S40X |
| 21WA4            | PCB clip / Thread       | 15 A               | 621WA4SAT 59 S40X |
| 25W3             | PCB clip / Thread       | 15 A               | 6025W3SAT 59 S40X |
| 27W2             | PCB clip / Thread       | 15 A               | 6027W2SAT 59 S40X |
| 24W7             | PCB clip / Thread       | 20 A               | 6024W7SAT 81 S40X |
| 36W4             | PCB clip / Thread       | 20 A               | 6036W4SAT 81 S40X |
| 43W2             | PCB clip / Thread       | 20 A               | 6043W2SAT 81 S40X |
| 47W1             | PCB clip / Thread       | 20 A               | 6047W1SAT 81 S40X |

PCB clip .122" / 3.1 ± .004" / 0.10 mm hole diameter and .063" / 1.6 mm circuit board thickness.

For other contacts prefer to page 6|32 to 6|37

| PLUG CONNECTOR |                         |                    |                   |
|----------------|-------------------------|--------------------|-------------------|
| Design         | Mounting style 4-40 UNC | High power contact | Part Number       |
| 5W1            | PCB clip / Thread       | 15 A               | 6005W1PAT 59 S40X |
| 7W2            | PCB clip / Thread       | 15 A               | 6007W2PAT 59 S40X |
| 11W1           | PCB clip / Thread       | 15 A               | 6011W1PAT 59 S40X |
| 9W4            | PCB clip / Thread       | 15 A               | 6009W4PAT 59 S40X |
| 13W3           | PCB clip / Thread       | 15 A               | 6013W3PAT 59 S40X |
| 17W2           | PCB clip / Thread       | 15 A               | 6017W2PAT 59 S40X |
| 21W1           | PCB clip / Thread       | 15 A               | 6021W1PAT 59 S40X |
| 13W6           | PCB clip / Thread       | 15 A               | 6013W6PAT 59 S40X |
| 17W5           | PCB clip / Thread       | 15 A               | 6017W5PAT 59 S40X |
| 21WA4          | PCB clip / Thread       | 15 A               | 621WA4PAT 59 S40X |
| 25W3           | PCB clip / Thread       | 15 A               | 6025W3PAT 59 S40X |
| 27W2           | PCB clip / Thread       | 15 A               | 6027W2PAT 59 S40X |
| 24W7           | PCB clip / Thread       | 20 A               | 6024W7PAT 81 S40X |
| 36W4           | PCB clip / Thread       | 20 A               | 6036W4PAT 81 S40X |
| 43W2           | PCB clip / Thread       | 20 A               | 6043W2PAT 81 S40X |
| 47W1           | PCB clip / Thread       | 20 A               | 6047W1PAT 81 S40X |

| Contact for shellsize 1-4           | Code | Contact for shellsize 5             | Code |
|-------------------------------------|------|-------------------------------------|------|
| High power 15 A; E=.075 / 1.90 mm = | 59   | High power 20 A; E=.110 / 2.85 mm = | 81   |
| High power 20 A; E=.110 / 2.85 mm = | 73   | High power 30 A; E=.150 / 3.75 mm = | 85   |
| High power 30 A; E=.126 / 3.20 mm = | 74   | High power 40 A; E=.126 / 3.20 mm = | 82   |
| High power 40 A; E=.150 / 3.75 mm = | 75   | High power 40 A; E=.150 / 3.75 mm = | 77   |

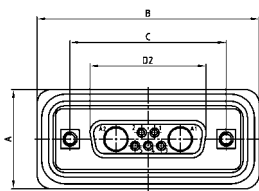
# IP67 COMBINATION D-SUB

Solder pin – Angled – .276"/7.0 mm – Precision machined contacts – Metal bracket

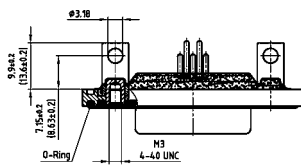


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

## SOCKET CONNECTOR

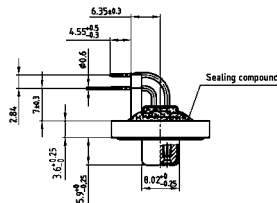


| Shellsize | A +0.3 | B +0.3 | C                                                            | D2 +0.25 |
|-----------|--------|--------|--------------------------------------------------------------|----------|
| 1         | 21.10  | 39.40  | 25.00 $\begin{smallmatrix} +0.12 \\ -0.13 \end{smallmatrix}$ | 16.46    |
| 2         | 21.10  | 47.70  | 33.30 $\begin{smallmatrix} +0.15 \\ -0.10 \end{smallmatrix}$ | 24.79    |
| 3         | 21.10  | 61.40  | 47.04 $\begin{smallmatrix} +0.13 \\ -0.10 \end{smallmatrix}$ | 38.50    |
| 4         | 21.10  | 77.90  | 63.50 $\begin{smallmatrix} +0.13 \\ -0.10 \end{smallmatrix}$ | 54.96    |
| 5         | 23.90  | 75.50  | 61.10 $\begin{smallmatrix} +0.14 \\ -0.11 \end{smallmatrix}$ | 52.55    |

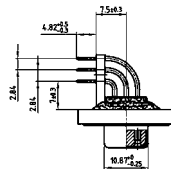


Dim. in ( ) = Shellsize 5

### Shellsize 1-4



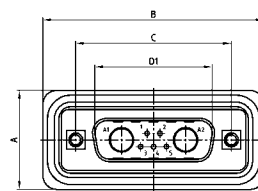
### Shellsize 5



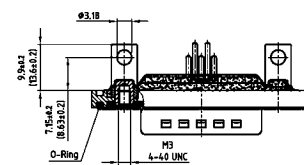
## DESCRIPTION

- Contacts: high power or coaxial contacts
- Mounting style:  
Metal bracket with 4-40 UNC threaded insert (M3 on request)
- Quality class 3 (also available in quality class 1)
- Shell: Brass tin plated (Stainless steel on request)
- Nickel plated die-cast frame  
(Black plastic frame on request)
- Stainless steel hex bolts are supplied loose

## PLUG CONNECTOR

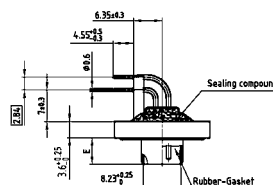


| Shellsize | A +0.3 | B +0.3 | C                                                            | D1 +0.25 | E -0.30 |
|-----------|--------|--------|--------------------------------------------------------------|----------|---------|
| 1         | 21.10  | 39.40  | 25.00 $\begin{smallmatrix} +0.12 \\ -0.13 \end{smallmatrix}$ | 16.79    | 5.82    |
| 2         | 21.10  | 47.70  | 33.30 $\begin{smallmatrix} +0.15 \\ -0.10 \end{smallmatrix}$ | 25.12    | 5.82    |
| 3         | 21.10  | 61.40  | 47.04 $\begin{smallmatrix} +0.13 \\ -0.10 \end{smallmatrix}$ | 38.84    | 5.69    |
| 4         | 21.10  | 77.90  | 63.50 $\begin{smallmatrix} +0.13 \\ -0.10 \end{smallmatrix}$ | 55.30    | 5.69    |
| 5         | 23.90  | 75.50  | 61.10 $\begin{smallmatrix} +0.14 \\ -0.11 \end{smallmatrix}$ | 52.68    | 5.69    |

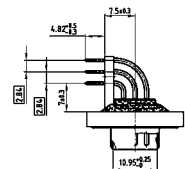


Dim. in ( ) = Shellsize 5

### Shellsize 1-4



### Shellsize 5



## ORDER DATA

| SOCKET CONNECTOR |                          | High power contact |  | Part Number       |
|------------------|--------------------------|--------------------|--|-------------------|
| Design           | Mounting style 4-40 UNC  |                    |  |                   |
| 5W1              | PCB clip/Threaded insert | 15 A               |  | 6005W1SAU 59 R20X |
| 7W2              | PCB clip/Threaded insert | 15 A               |  | 6007W2SAU 59 R20X |
| 11W1             | PCB clip/Threaded insert | 15 A               |  | 6011W1SAU 59 R20X |
| 9W4              | PCB clip/Threaded insert | 15 A               |  | 6009W4SAU 59 R20X |
| 13W3             | PCB clip/Threaded insert | 15 A               |  | 6013W3SAU 59 R20X |
| 17W2             | PCB clip/Threaded insert | 15 A               |  | 6017W2SAU 59 R20X |
| 21W1             | PCB clip/Threaded insert | 15 A               |  | 6021W1SAU 59 R20X |
| 13W6             | PCB clip/Threaded insert | 15 A               |  | 6013W6SAU 59 R20X |
| 17W5             | PCB clip/Threaded insert | 15 A               |  | 6017W5SAU 59 R20X |
| 21WA4            | PCB clip/Threaded insert | 15 A               |  | 621WA4SAU 59 R20X |
| 25W3             | PCB clip/Threaded insert | 15 A               |  | 6025W3SAU 59 R20X |
| 27W2             | PCB clip/Threaded insert | 15 A               |  | 6027W2SAU 59 R20X |
| 24W7             | PCB clip/Threaded insert | 20 A               |  | 6024W7SAU 81 R20X |
| 36W4             | PCB clip/Threaded insert | 20 A               |  | 6036W4SAU 81 R20X |
| 43W2             | PCB clip/Threaded insert | 20 A               |  | 6043W2SAU 81 R20X |
| 47W1             | PCB clip/Threaded insert | 20 A               |  | 6047W1SAU 81 R20X |

| PLUG CONNECTOR |                          | High power contact |  | Part Number       |
|----------------|--------------------------|--------------------|--|-------------------|
| Design         | Mounting style 4-40 UNC  |                    |  |                   |
| 5W1            | PCB clip/Threaded insert | 15 A               |  | 6005W1PAU 59 R20X |
| 7W2            | PCB clip/Threaded insert | 15 A               |  | 6007W2PAU 59 R20X |
| 11W1           | PCB clip/Threaded insert | 15 A               |  | 6011W1PAU 59 R20X |
| 9W4            | PCB clip/Threaded insert | 15 A               |  | 6009W4PAU 59 R20X |
| 13W3           | PCB clip/Threaded insert | 15 A               |  | 6013W3PAU 59 R20X |
| 17W2           | PCB clip/Threaded insert | 15 A               |  | 6017W2PAU 59 R20X |
| 21W1           | PCB clip/Threaded insert | 15 A               |  | 6021W1PAU 59 R20X |
| 13W6           | PCB clip/Threaded insert | 15 A               |  | 6013W6PAU 59 R20X |
| 17W5           | PCB clip/Threaded insert | 15 A               |  | 6017W5PAU 59 R20X |
| 21WA4          | PCB clip/Threaded insert | 15 A               |  | 621WA4PAU 59 R20X |
| 25W3           | PCB clip/Threaded insert | 15 A               |  | 6025W3PAU 59 R20X |
| 27W2           | PCB clip/Threaded insert | 15 A               |  | 6027W2PAU 59 R20X |
| 24W7           | PCB clip/Threaded insert | 20 A               |  | 6024W7PAU 81 R20X |
| 36W4           | PCB clip/Threaded insert | 20 A               |  | 6036W4PAU 81 R20X |
| 43W2           | PCB clip/Threaded insert | 20 A               |  | 6043W2PAU 81 R20X |
| 47W1           | PCB clip/Threaded insert | 20 A               |  | 6047W1PAU 81 R20X |

For other contacts prefer to page 6 | 32 to 6 | 37

| Contact for shellsize 1-4         | Code | Contact for shellsize 5           | Code |
|-----------------------------------|------|-----------------------------------|------|
| High power 15 A; E=.075/1.90 mm = | 59   | High power 20 A; E=.110/2.85 mm = | 81   |
| High power 20 A; E=.110/2.85 mm = | 73   | High power 30 A; E=.150/3.75 mm = | 85   |
| High power 30 A; E=.126/3.20 mm = | 74   | High power 30 A; E=.126/3.20 mm = | 82   |
| High power 40 A; E=.150/3.75 mm = | 75   | High power 40 A; E=.150/3.75 mm = | 77   |

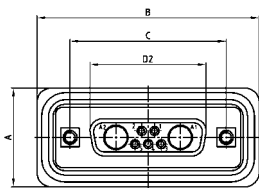
IP67 COMBINATION D-SUB

Solder pin – Angled – .276"/7.0 mm – Precision machined contacts – Metal bracket with PCB clip

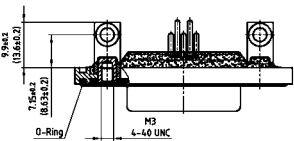


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

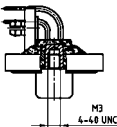
SOCKET CONNECTOR



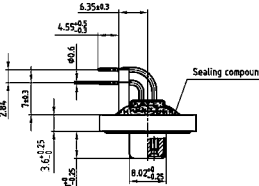
| Shellsize | A +0.3 | B +0.3 | C                                         | D2 +0.25 |
|-----------|--------|--------|-------------------------------------------|----------|
| 1         | 21.10  | 39.40  | 25.00 <sup>+0.12</sup> / <sub>-0.13</sub> | 16.46    |
| 2         | 21.10  | 47.70  | 33.30 <sup>+0.15</sup> / <sub>-0.10</sub> | 24.79    |
| 3         | 21.10  | 61.40  | 47.04 <sup>+0.13</sup> / <sub>-0.10</sub> | 38.50    |
| 4         | 21.10  | 77.90  | 63.50 <sup>+0.13</sup> / <sub>-0.10</sub> | 54.96    |
| 5         | 23.90  | 75.50  | 61.10 <sup>+0.14</sup> / <sub>-0.11</sub> | 52.55    |



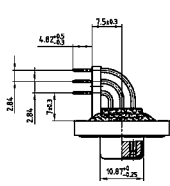
Dim. in ( ) = Shellsize 5



Shellsize 5



View without clip

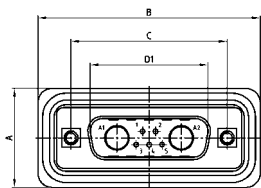


View without clip

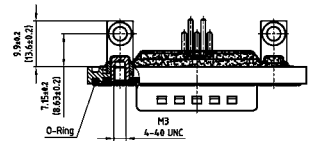
DESCRIPTION

- Contacts: high power or coaxial contacts
- Mounting style: metal bracket, threaded insert and 4-40 UNC or M3 PCB clip
- Quality class 3 (also available in quality class 1)
- Shell: Brass tin plated (Stainless steel on request)
- Nickel plated die-cast frame (Black plastic frame on request)
- Stainless steel hex bolts are supplied loose

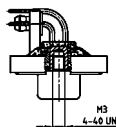
PLUG CONNECTOR



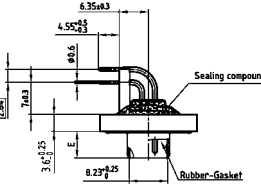
| Shellsize | A +0.3 | B +0.3 | C                                         | D1 +0.25 | E -0.30 |
|-----------|--------|--------|-------------------------------------------|----------|---------|
| 1         | 21.10  | 39.40  | 25.00 <sup>+0.12</sup> / <sub>-0.13</sub> | 16.79    | 5.82    |
| 2         | 21.10  | 47.70  | 33.30 <sup>+0.15</sup> / <sub>-0.10</sub> | 25.12    | 5.82    |
| 3         | 21.10  | 61.40  | 47.04 <sup>+0.13</sup> / <sub>-0.10</sub> | 38.84    | 5.69    |
| 4         | 21.10  | 77.90  | 63.50 <sup>+0.13</sup> / <sub>-0.10</sub> | 55.30    | 5.69    |
| 5         | 23.90  | 75.50  | 61.10 <sup>+0.14</sup> / <sub>-0.11</sub> | 52.68    | 5.69    |



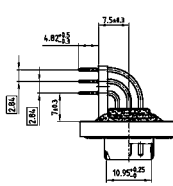
Dim. in ( ) = Shellsize 5



Shellsize 5



View without clip



View without clip

ORDER DATA

| Socket Connector |                         | High          |                   |
|------------------|-------------------------|---------------|-------------------|
| Design           | Mounting style 4-40 UNC | power contact | Part Number       |
| 5W1              | PCB clip /Thread        | 15 A          | 6005W1SAU 59 R40X |
| 7W2              | PCB clip /Thread        | 15 A          | 6007W2SAU 59 R40X |
| 11W1             | PCB clip /Thread        | 15 A          | 6011W1SAU 59 R40X |
| 9W4              | PCB clip /Thread        | 15 A          | 6009W4SAU 59 R40X |
| 13W3             | PCB clip /Thread        | 15 A          | 6013W3SAU 59 R40X |
| 17W2             | PCB clip /Thread        | 15 A          | 6017W2SAU 59 R40X |
| 21W1             | PCB clip /Thread        | 15 A          | 6021W1SAU 59 R40X |
| 13W6             | PCB clip /Thread        | 15 A          | 6013W6SAU 59 R40X |
| 17W5             | PCB clip /Thread        | 15 A          | 6017W5SAU 59 R40X |
| 21WA4            | PCB clip /Thread        | 15 A          | 621WA4SAU 59 R40X |
| 25W3             | PCB clip /Thread        | 15 A          | 6025W3SAU 59 R40X |
| 27W2             | PCB clip /Thread        | 15 A          | 6027W2SAU 59 R40X |
| 24W7             | PCB clip /Thread        | 20 A          | 6024W7SAU 81 R40X |
| 36W4             | PCB clip /Thread        | 20 A          | 6036W4SAU 81 R40X |
| 43W2             | PCB clip /Thread        | 20 A          | 6043W2SAU 81 R40X |
| 47W1             | PCB clip /Thread        | 20 A          | 6047W1SAU 81 R40X |

PCB clip .122"/3.1 ± .004"/0.10 mm hole diameter and .063"/1.6 mm circuit board thickness.

For other contacts prefer to page 6|32 to 6|37

| PLUG CONNECTOR |                         | High          |                   |
|----------------|-------------------------|---------------|-------------------|
| Design         | Mounting style 4-40 UNC | power contact | Part Number       |
| 5W1            | PCB clip/Thread         | 15 A          | 6005W1PAU 59 R40X |
| 7W2            | PCB clip/Thread         | 15 A          | 6007W2PAU 59 R40X |
| 11W1           | PCB clip/Thread         | 15 A          | 6011W1PAU 59 R40X |
| 9W4            | PCB clip/Thread         | 15 A          | 6009W4PAU 59 R40X |
| 13W3           | PCB clip/Thread         | 15 A          | 6013W3PAU 59 R40X |
| 17W2           | PCB clip/Thread         | 15 A          | 6017W2PAU 59 R40X |
| 21W1           | PCB clip/Thread         | 15 A          | 6021W1PAU 59 R40X |
| 13W6           | PCB clip/Thread         | 15 A          | 6013W6PAU 59 R40X |
| 17W5           | PCB clip/Thread         | 15 A          | 6017W5PAU 59 R40X |
| 21WA4          | PCB clip/Thread         | 15 A          | 621WA4PAU 59 R40X |
| 25W3           | PCB clip/Thread         | 15 A          | 6025W3PAU 59 R40X |
| 27W2           | PCB clip/Thread         | 15 A          | 6027W2PAU 59 R40X |
| 24W7           | PCB clip/Thread         | 20 A          | 6024W7PAU 81 R40X |
| 36W4           | PCB clip/Thread         | 20 A          | 6036W4PAU 81 R40X |
| 43W2           | PCB clip/Thread         | 20 A          | 6043W2PAU 81 R40X |
| 47W1           | PCB clip/Thread         | 20 A          | 6047W1PAU 81 R40X |

| Contact for shellsize 1-4         | Code | Contact for shellsize 5           | Code |
|-----------------------------------|------|-----------------------------------|------|
| High power 15 A; E=.075/1.90 mm = | 59   | High power 20 A; E=.110/2.85 mm = | 81   |
| High power 20 A; E=.110/2.85 mm = | 73   | High power 30 A; E=.150/3.75 mm = | 85   |
| High power 30 A; E=.126/3.20 mm = | 74   | High power 30 A; E=.126/3.20 mm = | 82   |
| High power 40 A; E=.150/3.75 mm = | 75   | High power 40 A; E=.150/3.75 mm = | 77   |

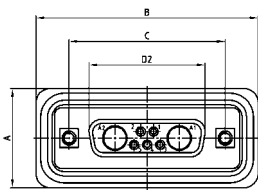
# IP67 COMBINATION D-SUB

Solder pin – Angled – .465" / 11.8 mm – Precision machined contacts – Metal bracket

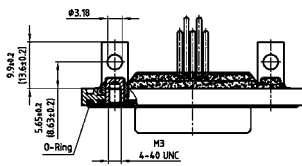


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

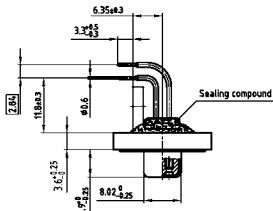
## SOCKET CONNECTOR



| Shellsize | A +0.3 | B +0.3 | C                                                            | D2 +0.25 |
|-----------|--------|--------|--------------------------------------------------------------|----------|
| 1         | 21.10  | 39.40  | 25.00 $\begin{smallmatrix} +0.12 \\ -0.13 \end{smallmatrix}$ | 16.46    |
| 2         | 21.10  | 47.70  | 33.30 $\begin{smallmatrix} +0.15 \\ -0.10 \end{smallmatrix}$ | 24.79    |
| 3         | 21.10  | 61.40  | 47.04 $\begin{smallmatrix} +0.13 \\ -0.10 \end{smallmatrix}$ | 38.50    |
| 4         | 21.10  | 77.90  | 63.50 $\pm 0.13$                                             | 54.96    |



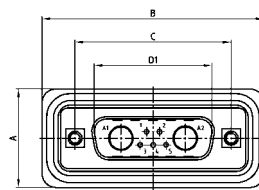
Shellsize 1-4



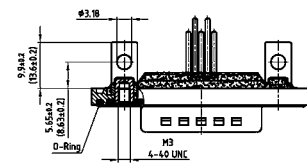
## DESCRIPTION

- Contacts: high power or coaxial contacts
- Mounting style:  
metal bracket with 4-40 UNC or M3 threaded insert
- Quality class 3 (also available in quality class 1)
- Shell: Brass tin plated (Stainless steel on request)
- Nickel plated die-cast frame  
(Black plastic frame on request)
- Shellsize 5 on request
- Stainless steel hex bolts are supplied loose

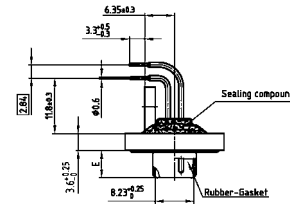
## PLUG CONNECTOR



| Shellsize | A +0.3 | B +0.3 | C                                                            | D1 +0.25 | E -0.30 |
|-----------|--------|--------|--------------------------------------------------------------|----------|---------|
| 1         | 21.10  | 39.40  | 25.00 $\begin{smallmatrix} +0.12 \\ -0.13 \end{smallmatrix}$ | 16.79    | 5.82    |
| 2         | 21.10  | 47.70  | 33.30 $\begin{smallmatrix} +0.15 \\ -0.10 \end{smallmatrix}$ | 25.12    | 5.82    |
| 3         | 21.10  | 61.40  | 47.04 $\begin{smallmatrix} +0.13 \\ -0.10 \end{smallmatrix}$ | 38.84    | 5.69    |
| 4         | 21.10  | 77.90  | 63.50 $\pm 0.13$                                             | 55.30    | 5.69    |



Shellsize 1-4



## ORDER DATA

| SOCKET CONNECTOR |                         | High power contact |  | Part Number       |
|------------------|-------------------------|--------------------|--|-------------------|
| Design           | Mounting style 4-40 UNC |                    |  |                   |
| 5W1              | Threaded insert         | 15 A               |  | 6005W1SAZ 59 S20X |
| 7W2              | Threaded insert         | 15 A               |  | 6007W2SAZ 59 S20X |
| 11W1             | Threaded insert         | 15 A               |  | 6011W1SAZ 59 S20X |
| 9W4              | Threaded insert         | 15 A               |  | 6009W4SAZ 59 S20X |
| 13W3             | Threaded insert         | 15 A               |  | 6013W3SAZ 59 S20X |
| 17W2             | Threaded insert         | 15 A               |  | 6017W2SAZ 59 S20X |
| 21W1             | Threaded insert         | 15 A               |  | 6021W1SAZ 59 S20X |
| 13W6             | Threaded insert         | 15 A               |  | 6013W6SAZ 59 S20X |
| 17W5             | Threaded insert         | 15 A               |  | 6017W5SAZ 59 S20X |
| 21WA4            | Threaded insert         | 15 A               |  | 621WA4SAZ 59 S20X |
| 25W3             | Threaded insert         | 15 A               |  | 6025W3SAZ 59 S20X |
| 27W2             | Threaded insert         | 15 A               |  | 6027W2SAZ 59 S20X |

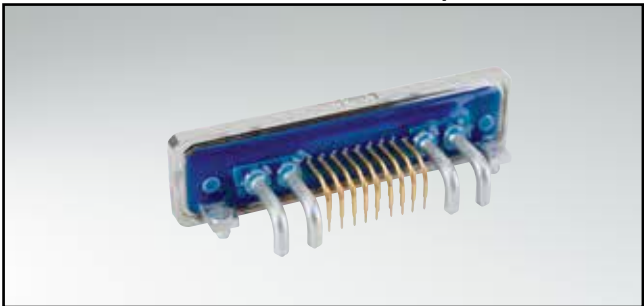
| PLUG CONNECTOR |                         | High power contact |  | Part Number       |
|----------------|-------------------------|--------------------|--|-------------------|
| Design         | Mounting style 4-40 UNC |                    |  |                   |
| 5W1            | Threaded insert         | 15 A               |  | 6005W1PAZ 59 S20X |
| 7W2            | Threaded insert         | 15 A               |  | 6007W2PAZ 59 S20X |
| 11W1           | Threaded insert         | 15 A               |  | 6011W1PAZ 59 S20X |
| 9W4            | Threaded insert         | 15 A               |  | 6009W4PAZ 59 S20X |
| 13W3           | Threaded insert         | 15 A               |  | 6013W3PAZ 59 S20X |
| 17W2           | Threaded insert         | 15 A               |  | 6017W2PAZ 59 S20X |
| 21W1           | Threaded insert         | 15 A               |  | 6021W1PAZ 59 S20X |
| 13W6           | Threaded insert         | 15 A               |  | 6013W6PAZ 59 S20X |
| 17W5           | Threaded insert         | 15 A               |  | 6017W5PAZ 59 S20X |
| 21WA4          | Threaded insert         | 15 A               |  | 621WA4PAZ 59 S20X |
| 25W3           | Threaded insert         | 15 A               |  | 6025W3PAZ 59 S20X |
| 27W2           | Threaded insert         | 15 A               |  | 6027W2PAZ 59 S20X |

For other contacts refer to page 6 | 32 to 6 | 37

| Contact                                | Code |
|----------------------------------------|------|
| High power 15 A ; E= .075" / 1.90 mm = | 59   |
| High power 20 A ; E= .110" / 2.85 mm = | 73   |
| High power 30 A ; E= .126" / 3.20 mm = | 74   |
| High power 40 A ; E= .150" / 3.75 mm = | 75   |

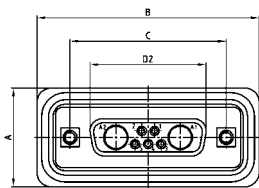
IP67 COMBINATION D-SUB

Solder pin – Angled – .465" / 11.8 mm – Precision machined contacts – Metal bracket with PCB clip

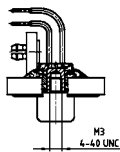
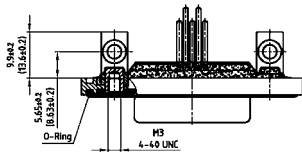


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

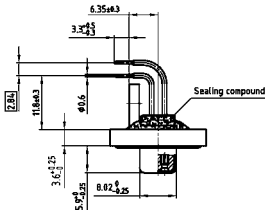
SOCKET CONNECTOR



| Shellsize | A +0.3 | B +0.3 | C                                         | D2 +0.25 |
|-----------|--------|--------|-------------------------------------------|----------|
| 1         | 21.10  | 39.40  | 25.00 <sup>+0.12</sup> / <sub>-0.13</sub> | 16.46    |
| 2         | 21.10  | 47.70  | 33.30 <sup>+0.15</sup> / <sub>-0.10</sub> | 24.79    |
| 3         | 21.10  | 61.40  | 47.04 <sup>+0.13</sup> / <sub>-0.13</sub> | 38.50    |
| 4         | 21.10  | 77.90  | 63.50 <sup>+0.13</sup> / <sub>-0.13</sub> | 54.96    |



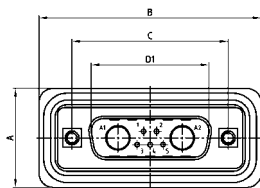
Shellsize 1-4



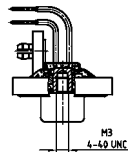
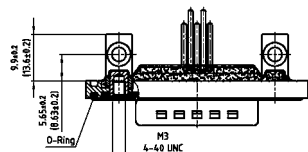
DESCRIPTION

- Contacts: high power or coaxial contacts
- Mounting style:  
metal bracket, threaded insert and 4-40 UNC or M3 PCB clip
- Quality class 3 (also available in quality class 1)
- Shell: Brass tin plated (Stainless steel on request)
- Nickel plated die-cast frame  
(Black plastic frame on request)
- Shellsize 5 on request
- Stainless steel hex bolts are supplied loose

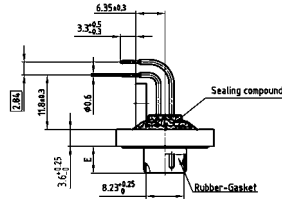
PLUG CONNECTOR



| Shellsize | A +0.3 | B +0.3 | C                                         | D1 +0.25 | E -0.30 |
|-----------|--------|--------|-------------------------------------------|----------|---------|
| 1         | 21.10  | 39.40  | 25.00 <sup>+0.12</sup> / <sub>-0.13</sub> | 16.79    | 5.82    |
| 2         | 21.10  | 47.70  | 33.30 <sup>+0.15</sup> / <sub>-0.10</sub> | 25.12    | 5.82    |
| 3         | 21.10  | 61.40  | 47.04 <sup>+0.13</sup> / <sub>-0.13</sub> | 38.84    | 5.69    |
| 4         | 21.10  | 77.90  | 63.50 <sup>+0.13</sup> / <sub>-0.13</sub> | 55.30    | 5.69    |



Shellsize 1-4



ORDER DATA

| SOCKET CONNECTOR |                          | High power contact |  | Part Number       |
|------------------|--------------------------|--------------------|--|-------------------|
| Design           | Mounting style 4-40 UNC  |                    |  |                   |
| 5W1              | PCB clip/Threaded insert | 15 A               |  | 6005W1SAZ 59 S40X |
| 7W2              | PCB clip/Threaded insert | 15 A               |  | 6007W2SAZ 59 S40X |
| 11W1             | PCB clip/Threaded insert | 15 A               |  | 6011W1SAZ 59 S40X |
| 9W4              | PCB clip/Threaded insert | 15 A               |  | 6009W4SAZ 59 S40X |
| 13W3             | PCB clip/Threaded insert | 15 A               |  | 6013W3SAZ 59 S40X |
| 17W2             | PCB clip/Threaded insert | 15 A               |  | 6017W2SAZ 59 S40X |
| 21W1             | PCB clip/Threaded insert | 15 A               |  | 6021W1SAZ 59 S40X |
| 13W6             | PCB clip/Threaded insert | 15 A               |  | 6013W6SAZ 59 S40X |
| 17W5             | PCB clip/Threaded insert | 15 A               |  | 6017W5SAZ 59 S40X |
| 21WA4            | PCB clip/Threaded insert | 15 A               |  | 621WA4SAZ 59 S40X |
| 25W3             | PCB clip/Threaded insert | 15 A               |  | 6025W3SAZ 59 S40X |
| 27W2             | PCB clip/Threaded insert | 15 A               |  | 6027W2SAZ 59 S40X |

PCB clip .122" / 3.1 ± .004" / 0.10 mm hole diameter and .063" / 1.6 mm circuit board thickness.

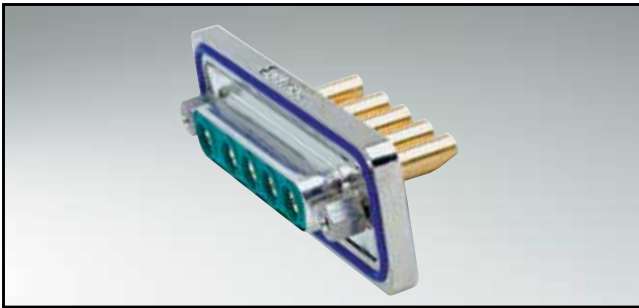
For other contacts prefer to page 6|32 to 6|37

| PLUG CONNECTOR |                          | High power contact |  | Part Number       |
|----------------|--------------------------|--------------------|--|-------------------|
| Design         | Mounting style 4-40 UNC  |                    |  |                   |
| 5W1            | PCB clip/Threaded insert | 15 A               |  | 6005W1PAZ 59 S40X |
| 7W2            | PCB clip/Threaded insert | 15 A               |  | 6007W2PAZ 59 S40X |
| 11W1           | PCB clip/Threaded insert | 15 A               |  | 6011W1PAZ 59 S40X |
| 9W4            | PCB clip/Threaded insert | 15 A               |  | 6009W4PAZ 59 S40X |
| 13W3           | PCB clip/Threaded insert | 15 A               |  | 6013W3PAZ 59 S40X |
| 17W2           | PCB clip/Threaded insert | 15 A               |  | 6017W2PAZ 59 S40X |
| 21W1           | PCB clip/Threaded insert | 15 A               |  | 6021W1PAZ 59 S40X |
| 13W6           | PCB clip/Threaded insert | 15 A               |  | 6013W6PAZ 59 S40X |
| 17W5           | PCB clip/Threaded insert | 15 A               |  | 6017W5PAZ 59 S40X |
| 21WA4          | PCB clip/Threaded insert | 15 A               |  | 621WA4PAZ 59 S40X |
| 25W3           | PCB clip/Threaded insert | 15 A               |  | 6025W3PAZ 59 S40X |
| 27W2           | PCB clip/Threaded insert | 15 A               |  | 6027W2PAZ 59 S40X |

| Contact                                | Code |
|----------------------------------------|------|
| High power 15 A ; E= .075" / 1.90 mm = | 59   |
| High power 20 A ; E= .110" / 2.85 mm = | 73   |
| High power 30 A ; E= .126" / 3.20 mm = | 74   |
| High power 40 A ; E= .150" / 3.75 mm = | 75   |

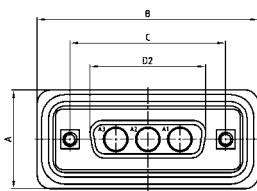
# IP67 COMBINATION D-SUB

Solder cup – Solder pin – Straight – With power or coaxial contacts –  
Precision machined contacts



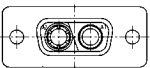
RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

## SOCKET CONNECTOR

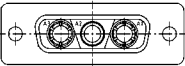


| Shellsize | A +0.3 | B +0.3 | C                                                            | D2 +0.25 |
|-----------|--------|--------|--------------------------------------------------------------|----------|
| 1         | 21.10  | 39.40  | 25.00 $\begin{smallmatrix} +0.12 \\ -0.13 \end{smallmatrix}$ | 16.46    |
| 2         | 21.10  | 47.70  | 33.30 $\begin{smallmatrix} +0.15 \\ -0.10 \end{smallmatrix}$ | 24.79    |
| 3         | 21.10  | 61.40  | 47.04 $\begin{smallmatrix} +0.13 \\ -0.10 \end{smallmatrix}$ | 38.50    |
| 4         | 21.10  | 77.90  | 63.50 $\pm 0.13$                                             | 54.96    |

### Coded socket connectors

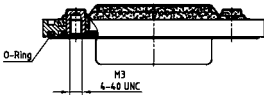


2W2C = 1 Socket – 1 Plug

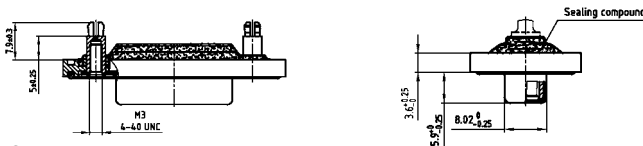


3W3C = 2 Sockets – 1 Plug

Mounting style: Threaded insert (Solder cup)



Mounting style: Threaded rear spacer with PCB clip (Solder pin)



## ORDER DATA

### SOCKET CONNECTOR

| Design | Mounting style / Solder cup    | Contact        | Part Number       |
|--------|--------------------------------|----------------|-------------------|
| 2W2C   | Threaded insert 4-40 UNC       | High power 10A | 602W2CSXX 61 B30X |
| 3W3    | Threaded insert 4-40 UNC       | High power 10A | 6003W3SXX 61 B30X |
| 3W3C   | Threaded insert 4-40 UNC       | High power 10A | 603W3CSXX 61 B30X |
| 5W5    | Threaded insert 4-40 UNC       | High power 10A | 6005W5SXX 61 B30X |
| 8W8    | Threaded insert 4-40 UNC       | High power 10A | 6008W8SXX 61 B30X |
| Design | Mounting style / Solder pin    | Contact        | Part Number       |
| 2W2C   | Rear spacer with clip 4-40 UNC | High power 10A | 602W2CPXX 68 E20X |
| 3W3    | Rear spacer with clip 4-40 UNC | High power 10A | 6003W3PXX 68 E20X |
| 3W3C   | Rear spacer with clip 4-40 UNC | High power 10A | 603W3CPXX 68 E20X |
| 5W5    | Rear spacer with clip 4-40 UNC | High power 10A | 6005W5PXX 68 E20X |
| 8W8    | Rear spacer with clip 4-40 UNC | High power 10A | 6008W8PXX 68 E20X |

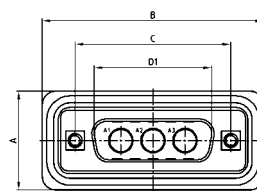
PCB clip .122" / 3.1 ± .004" / 0.10 mm hole diameter and .063" / 1.6 mm circuit board thickness.

For other contacts refer to page 6|32 to 6|37

## DESCRIPTION

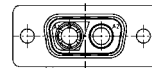
- Designs: 2W2C; 3W3; 3W3C; 5W5; 8W8
- Contacts: high power or coaxial contacts
- Mounting styles:
  - with 4-40 UNC or M3 threaded insert
  - with 4-40 UNC or M3 threaded rear spacer with PCB clip
- Quality class 3 (also available in quality class 1)
- Shell: Brass tin plated (Stainless steel on request)
- Nickel plated die-cast frame (Black plastic frame on request)
- Stainless steel hex bolts are supplied loose

## PLUG CONNECTOR

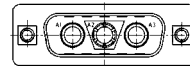


| Shellsize | A +0.3 | B +0.3 | C                                                            | D1 +0.25 | E -0.30 |
|-----------|--------|--------|--------------------------------------------------------------|----------|---------|
| 1         | 21.10  | 39.40  | 25.00 $\begin{smallmatrix} +0.12 \\ -0.13 \end{smallmatrix}$ | 16.79    | 5.82    |
| 2         | 21.10  | 47.70  | 33.30 $\begin{smallmatrix} +0.15 \\ -0.10 \end{smallmatrix}$ | 25.12    | 5.82    |
| 3         | 21.10  | 61.40  | 47.04 $\begin{smallmatrix} +0.13 \\ -0.10 \end{smallmatrix}$ | 38.84    | 5.69    |
| 4         | 21.10  | 77.90  | 63.50 $\pm 0.13$                                             | 55.30    | 5.69    |

### Coded plug connectors

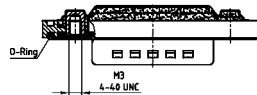


2W2C = 1 Plug – 1 Socket

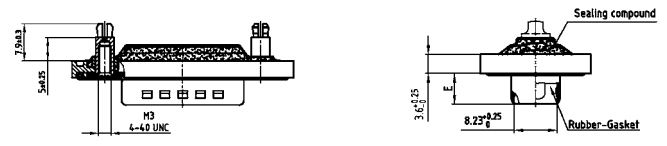


3W3C = 2 Plugs – 1 Socket

Mounting style: Threaded insert (Solder cup)



Mounting style: Threaded rear spacer with PCB clip (Solder pin)



### PLUG CONNECTOR

| Design | Mounting style / Solder cup    | Contact        | Part Number       |
|--------|--------------------------------|----------------|-------------------|
| 2W2C   | Threaded insert 4-40 UNC       | High power 10A | 602W2CPXX 61 B30X |
| 3W3    | Threaded insert 4-40 UNC       | High power 10A | 6003W3PXX 61 B30X |
| 3W3C   | Threaded insert 4-40 UNC       | High power 10A | 603W3CPXX 61 B30X |
| 5W5    | Threaded insert 4-40 UNC       | High power 10A | 6005W5PXX 61 B30X |
| 8W8    | Threaded insert 4-40 UNC       | High power 10A | 6008W8PXX 61 B30X |
| Design | Mounting style / Solder pin    | Contact        | Part Number       |
| 2W2C   | Rear spacer with clip 4-40 UNC | High power 10A | 602W2CPXX 68 E20X |
| 3W3    | Rear spacer with clip 4-40 UNC | High power 10A | 6003W3PXX 68 E20X |
| 3W3C   | Rear spacer with clip 4-40 UNC | High power 10A | 603W3CPXX 68 E20X |
| 5W5    | Rear spacer with clip 4-40 UNC | High power 10A | 6005W5PXX 68 E20X |
| 8W8    | Rear spacer with clip 4-40 UNC | High power 10A | 6008W8PXX 68 E20X |

| *Contact solder cup | Code |
|---------------------|------|
| High power 10A      | = 61 |
| High power 20A      | = 62 |

| Contact solder pin straight | Code |
|-----------------------------|------|
| High power 20A, D=1,95      | = 68 |
| High power 20A, D=2,60      | = 69 |
| High power 20A, D=2,85      | = 70 |
| High power 30A, D=3,18      | = 71 |
| High power 40A, D=3,75      | = 72 |

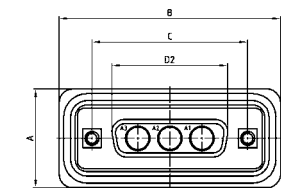
IP67 COMBINATION D-SUB

Solder pin – Angled – With power or coaxial contacts –  
Precision machined contacts – Metal bracket



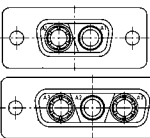
RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

SOCKET CONNECTOR



Coded socket connectors

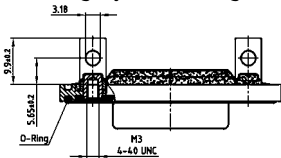
| Shellsize | A +0.3 | B +0.3 | C                                       | D2 +0.25 |
|-----------|--------|--------|-----------------------------------------|----------|
| 1         | 21.10  | 39.40  | 25.00 <sup>+0.12</sup> <sub>-0.13</sub> | 16.46    |
| 2         | 21.10  | 47.70  | 33.30 <sup>+0.15</sup> <sub>-0.10</sub> | 24.79    |
| 3         | 21.10  | 61.40  | 47.04 <sup>+0.13</sup> <sub>-0.13</sub> | 38.50    |
| 4         | 21.10  | 77.90  | 63.50 <sup>+0.13</sup> <sub>-0.13</sub> | 54.96    |



2W2C = 1 Socket – 1 Plug

3W3C = 2 Sockets – 1 Plug

Mounting style: Mounting bracket, threaded insert



Mounting style: Threaded rear spacer with PCB clip



ORDER DATA

| SOCKET CONNECTOR |                                 | High          |                   |
|------------------|---------------------------------|---------------|-------------------|
| Design           | Mounting style 4-40 UNC         | power contact | Part Number       |
| 2W2C             | Threaded insert                 | 15 A          | 602W2CSXX 59 S20X |
| 3W3              | Threaded insert                 | 15 A          | 6003W3SXX 59 S20X |
| 3W3C             | Threaded insert                 | 15 A          | 603W3CSXX 59 S20X |
| 5W5              | Threaded insert                 | 15 A          | 6005W5SXX 59 S20X |
| 8W8              | Threaded insert                 | 15 A          | 6008W8SXX 59 S20X |
| 2W2C             | Threaded rear spacer / PCB clip | 15 A          | 602W2CSXX 59 S40X |
| 3W3              | Threaded rear spacer / PCB clip | 15 A          | 6003W3SXX 59 S40X |
| 3W3C             | Threaded rear spacer / PCB clip | 15 A          | 603W3CSXX 59 S40X |
| 5W5              | Threaded rear spacer / PCB clip | 15 A          | 6005W5SXX 59 S40X |
| 8W8              | Threaded rear spacer / PCB clip | 15 A          | 6008W8SXX 59 S40X |

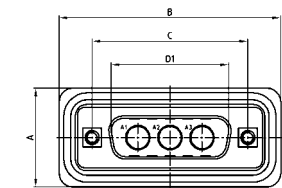
PCB clip .122" / 3.1 ± .004" / 0.10 mm hole diameter and .063" / 1.6 mm circuit board thickness.

For other contacts prefer to page 6|32 to 6|37

DESCRIPTION

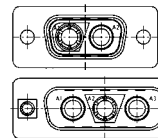
- Designs: 2W2C; 3W3; 3W3C; 5W5; 8W8
- Contacts: high power or coaxial contacts
- Mounting styles:
  - with 4-40 UNC or M3 threaded insert
  - with 4-40 UNC or M3 threaded rear spacer with PCB clip
- Quality class 3 (also available in quality class 1)
- Shell: Brass tin plated (Stainless steel on request)
- Nickel plated die-cast frame (Black plastic frame on request)
- Stainless steel hex bolts are supplied loose

PLUG CONNECTOR



Coded plug connectors

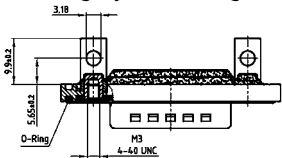
| Shellsize | A +0.3 | B +0.3 | C                                       | D1 +0.25 | E -0.30 |
|-----------|--------|--------|-----------------------------------------|----------|---------|
| 1         | 21.10  | 39.40  | 25.00 <sup>+0.12</sup> <sub>-0.13</sub> | 16.79    | 5.82    |
| 2         | 21.10  | 47.70  | 33.30 <sup>+0.15</sup> <sub>-0.10</sub> | 25.12    | 5.82    |
| 3         | 21.10  | 61.40  | 47.04 <sup>+0.13</sup> <sub>-0.13</sub> | 38.84    | 5.69    |
| 4         | 21.10  | 77.90  | 63.50 <sup>+0.13</sup> <sub>-0.13</sub> | 55.30    | 5.69    |



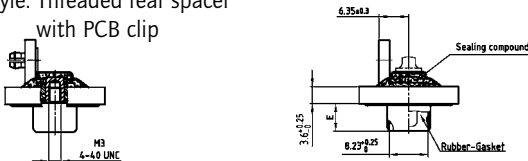
2W2C = 1 Plug – 1 Socket

3W3C = 2 Plugs – 1 Socket

Mounting style: Mounting bracket, threaded insert



Mounting style: Threaded rear spacer with PCB clip

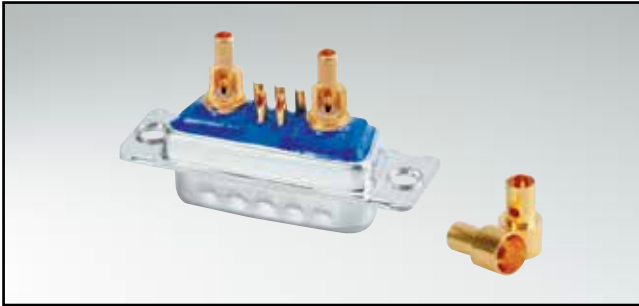


| PLUG CONNECTOR |                                 | High          |                   |
|----------------|---------------------------------|---------------|-------------------|
| Design         | Mounting style 4-40 UNC         | power contact | Part Number       |
| 2W2C           | Threaded insert                 | 15 A          | 602W2CPXX 59 S20X |
| 3W3            | Threaded insert                 | 15 A          | 6003W3PXX 59 S20X |
| 3W3C           | Threaded insert                 | 15 A          | 603W3CPXX 59 S20X |
| 5W5            | Threaded insert                 | 15 A          | 6005W5PXX 59 S20X |
| 8W8            | Threaded insert                 | 15 A          | 6008W8PXX 59 S20X |
| 2W2C           | Threaded rear spacer / PCB clip | 15 A          | 602W2CPXX 59 S40X |
| 3W3            | Threaded rear spacer / PCB clip | 15 A          | 6003W3PXX 59 S40X |
| 3W3C           | Threaded rear spacer / PCB clip | 15 A          | 603W3CPXX 59 S40X |
| 5W5            | Threaded rear spacer / PCB clip | 15 A          | 6005W5PXX 59 S40X |
| 8W8            | Threaded rear spacer / PCB clip | 15 A          | 6008W8PXX 59 S40X |

| Contact         | Code |
|-----------------|------|
| High power 15 A | = 59 |
| High power 20 A | = 73 |
| High power 30 A | = 74 |
| High power 40 A | = 75 |

# IP67 COMBINATION D-SUB – WITHOUT FRAME

Solder cup – Precision machined contacts – Design for use with hood –  
For wire size AWG20

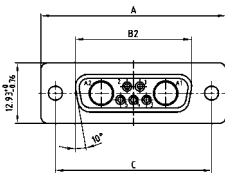


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

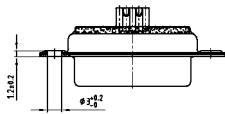
## DESCRIPTION

- Signal contacts for wire size AWG 20
- Contacts: high power or coaxial contacts
- Mounting style:  
through-hole  $\varnothing .118" / 3.0 \text{ mm}$
- Quality class 3 (also available in quality class 1)
- Shell: Brass tin plated (Stainless steel on request)

## SOCKET CONNECTOR

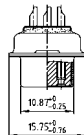
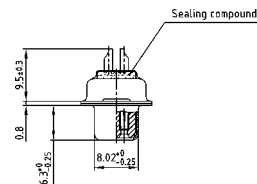


| Shellsize | A -0.76 | B2 -0.25 | C                        |
|-----------|---------|----------|--------------------------|
| 1         | 31.19   | 16.46    | 25.00 $+0.12$<br>$-0.13$ |
| 2         | 39.52   | 24.79    | 33.30 $+0.15$<br>$-0.10$ |
| 3         | 53.42   | 38.50    | 47.04 $\pm 0.13$         |
| 4         | 69.70   | 54.96    | 63.50 $\pm 0.13$         |
| 5         | 67.31   | 52.55    | 61.10 $+0.14$<br>$-0.11$ |

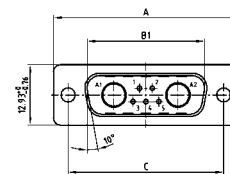


Shellsize 1-4

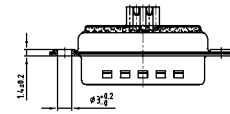
Shellsize 5



## PLUG CONNECTOR

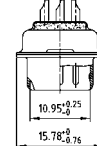
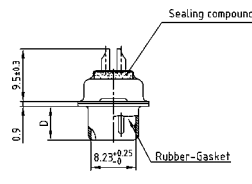


| Shellsize | A -0.76 | B1 +0.25 | C                        | D -0.30 |
|-----------|---------|----------|--------------------------|---------|
| 1         | 31.19   | 16.79    | 25.00 $+0.12$<br>$-0.13$ | 6.12    |
| 2         | 39.52   | 25.12    | 33.30 $+0.15$<br>$-0.10$ | 6.12    |
| 3         | 53.42   | 38.84    | 47.04 $\pm 0.13$         | 5.99    |
| 4         | 69.70   | 55.30    | 63.50 $\pm 0.13$         | 5.99    |
| 5         | 67.31   | 52.68    | 61.10 $+0.14$<br>$-0.11$ | 5.99    |



Shellsize 1-4

Shellsize 5



## ORDER DATA

| SOCKET CONNECTOR |                | High power contact |  | Part Number       |
|------------------|----------------|--------------------|--|-------------------|
| Design           | Mounting style |                    |  |                   |
| 5W1              | Through-hole   | 10 A               |  | 4005W1SAM 61 A10X |
| 7W2              | Through-hole   | 10 A               |  | 4007W2SAM 61 A10X |
| 11W1             | Through-hole   | 10 A               |  | 4011W1SAM 61 A10X |
| 9W4              | Through-hole   | 10 A               |  | 4009W4SAM 61 A10X |
| 13W3             | Through-hole   | 10 A               |  | 4013W3SAM 61 A10X |
| 17W2             | Through-hole   | 10 A               |  | 4017W2SAM 61 A10X |
| 21W1             | Through-hole   | 10 A               |  | 4021W1SAM 61 A10X |
| 13W6             | Through-hole   | 10 A               |  | 4013W6SAM 61 A10X |
| 17W5             | Through-hole   | 10 A               |  | 4017W5SAM 61 A10X |
| 21WA4            | Through-hole   | 10 A               |  | 421WA4SAM 61 A10X |
| 25W3             | Through-hole   | 10 A               |  | 4025W3SAM 61 A10X |
| 27W2             | Through-hole   | 10 A               |  | 4027W2SAM 61 A10X |
| 24W7             | Through-hole   | 10 A               |  | 4024W7SAM 61 A10X |
| 36W4             | Through-hole   | 10 A               |  | 4036W4SAM 61 A10X |
| 43W2             | Through-hole   | 10 A               |  | 4043W2SAM 61 A10X |
| 47W1             | Through-hole   | 10 A               |  | 4047W1SAM 61 A10X |

| PLUG CONNECTOR |                | High power contact |  | Part Number       |
|----------------|----------------|--------------------|--|-------------------|
| Design         | Mounting style |                    |  |                   |
| 5W1            | Through-hole   | 10 A               |  | 4005W1PAM 61 A10X |
| 7W2            | Through-hole   | 10 A               |  | 4007W2PAM 61 A10X |
| 11W1           | Through-hole   | 10 A               |  | 4011W1PAM 61 A10X |
| 9W4            | Through-hole   | 10 A               |  | 4009W4PAM 61 A10X |
| 13W3           | Through-hole   | 10 A               |  | 4013W3PAM 61 A10X |
| 17W2           | Through-hole   | 10 A               |  | 4017W2PAM 61 A10X |
| 21W1           | Through-hole   | 10 A               |  | 4021W1PAM 61 A10X |
| 13W6           | Through-hole   | 10 A               |  | 4013W6PAM 61 A10X |
| 17W5           | Through-hole   | 10 A               |  | 4017W5PAM 61 A10X |
| 21WA4          | Through-hole   | 10 A               |  | 421WA4PAM 61 A10X |
| 25W3           | Through-hole   | 10 A               |  | 4025W3PAM 61 A10X |
| 27W2           | Through-hole   | 10 A               |  | 4027W2PAM 61 A10X |
| 24W7           | Through-hole   | 10 A               |  | 4024W7PAM 61 A10X |
| 36W4           | Through-hole   | 10 A               |  | 4036W4PAM 61 A10X |
| 43W2           | Through-hole   | 10 A               |  | 4043W2PAM 61 A10X |
| 47W1           | Through-hole   | 10 A               |  | 4047W1PAM 61 A10X |

For other contacts refer to page 7 | 24 up to 7 | 29.

| Contact         | Code |
|-----------------|------|
| High power 10 A | = 61 |
| High power 20 A | = 62 |

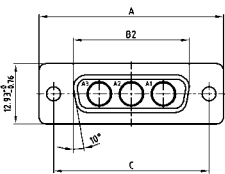
# IP67 COMBINATION D-SUB – WITHOUT FRAME

Solder cup – Precision machined contacts – Design for use with hood



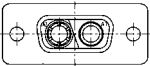
RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

## SOCKET CONNECTOR

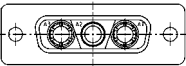


| Shellsize | A -0.76 | B2 -0.25 | C                 |
|-----------|---------|----------|-------------------|
| 1         | 31.19   | 16.46    | 25.00 +0.12 -0.13 |
| 2         | 39.52   | 24.79    | 33.30 +0.15 -0.10 |
| 3         | 53.42   | 38.50    | 47.04 ±0.13       |
| 4         | 69.70   | 54.96    | 63.50 ±0.13       |

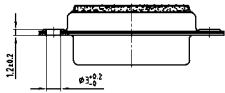
Coded socket connectors



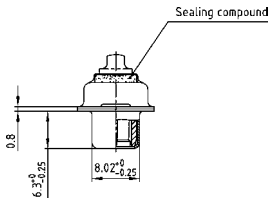
2W2C = 1 Socket – 1 Plug



3W3C = 2 Sockets – 1 Plug



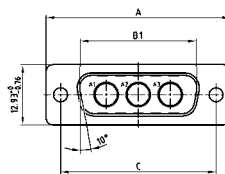
Shellsize 1-4



## DESCRIPTION

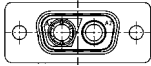
- Designs: 2W2C; 3W3; 3W3C; 5W5; 8W8
- Contacts: high power or coaxial contacts
- Mounting style:  
through-hole Ø .118" / 3.0 mm
- Quality class 3 (also available in quality class 1)
- Shell: Brass tin plated (Stainless steel on request)

## PLUG CONNECTOR

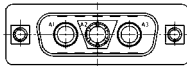


| Shellsize | A -0.76 | B1 +0.25 | C                 | D -0.30 |
|-----------|---------|----------|-------------------|---------|
| 1         | 31.19   | 16.79    | 25.00 +0.12 -0.13 | 6.12    |
| 2         | 39.52   | 25.12    | 33.30 +0.15 -0.10 | 6.12    |
| 3         | 53.42   | 38.84    | 47.04 ±0.13       | 5.99    |
| 4         | 69.70   | 55.30    | 63.50 ±0.13       | 5.99    |

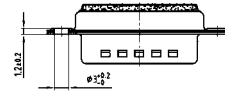
Coded plug connectors



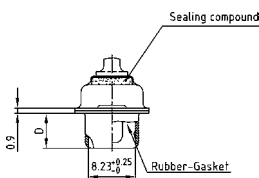
2W2C = 1 Plug – 1 Socket



3W3C = 2 Plugs – 2 Socket



Shellsize 1-4



## ORDER DATA

| SOCKET CONNECTOR |                | High power contact |  | Part Number |         |
|------------------|----------------|--------------------|--|-------------|---------|
| Design           | Mounting style |                    |  |             |         |
| 2W2C             | Through-hole   | 10 A               |  | 402W2CSXX   | 61 A10X |
| 3W3              | Through-hole   | 10 A               |  | 4003W3SXX   | 61 A10X |
| 3W3C             | Through-hole   | 10 A               |  | 403W3CSXX   | 61 A10X |
| 5W5              | Through-hole   | 10 A               |  | 4005W5SXX   | 61 A10X |
| 8W8              | Through-hole   | 10 A               |  | 4008W8SXX   | 61 A10X |

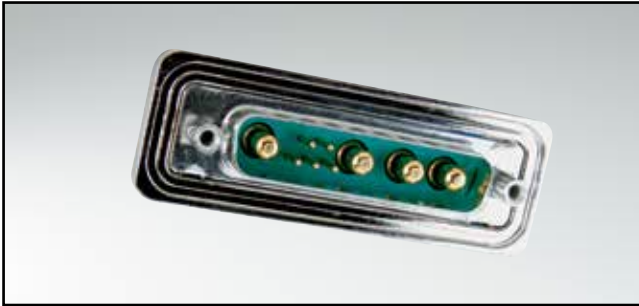
| PLUG CONNECTOR |                | High power contact |  | Part Number |         |
|----------------|----------------|--------------------|--|-------------|---------|
| Design         | Mounting style |                    |  |             |         |
| 2W2C           | Through-hole   | 10 A               |  | 402W2CPXX   | 61 A10X |
| 3W3            | Through-hole   | 10 A               |  | 4003W3PXX   | 61 A10X |
| 3W3C           | Through-hole   | 10 A               |  | 403W3CPXX   | 61 A10X |
| 5W5            | Through-hole   | 10 A               |  | 4005W5PXX   | 61 A10X |
| 8W8            | Through-hole   | 10 A               |  | 4008W8PXX   | 61 A10X |

For other contacts refer to page 7 | 24 up to 7 | 29.

| Contact solder cup | Code |
|--------------------|------|
| High power 10 A    | = 61 |
| High power 20 A    | = 62 |

# IP67 COMBINATION D-SUB – FRONT PANEL MOUNTING

Solder cup – Precision machined contacts

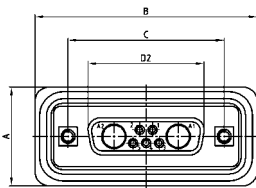


RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

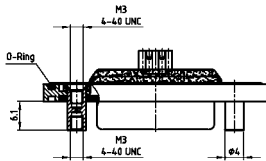
## DESCRIPTION

- Signal contacts for wire size AWG 20
- Contacts: high power or coaxial contacts
- Mounting style:  
with 4-40 UNC or M3 front spacer
- Quality class 3 (also available in quality class 1)
- Shell: Brass tin plated (Stainless steel on request)
- Nickel plated die-cast frame  
(Black plastic frame on request)
- Stainless steel hex bolts are supplied loose

## SOCKET CONNECTOR

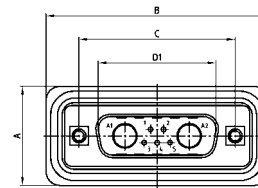
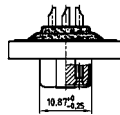
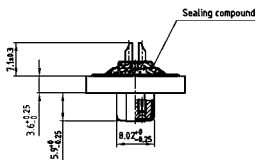


| Shellsize | A +0.3 | B +0.3 | C                                                            | D2 +0.25 |
|-----------|--------|--------|--------------------------------------------------------------|----------|
| 1         | 21.10  | 39.40  | 25.00 $\begin{smallmatrix} +0.12 \\ -0.13 \end{smallmatrix}$ | 16.46    |
| 2         | 21.10  | 47.70  | 33.30 $\begin{smallmatrix} +0.15 \\ -0.10 \end{smallmatrix}$ | 24.79    |
| 3         | 21.10  | 61.40  | 47.04 $\pm 0.13$                                             | 38.50    |
| 4         | 21.10  | 77.90  | 63.50 $\pm 0.13$                                             | 54.96    |
| 5         | 23.90  | 75.50  | 61.10 $\begin{smallmatrix} +0.14 \\ -0.11 \end{smallmatrix}$ | 52.55    |

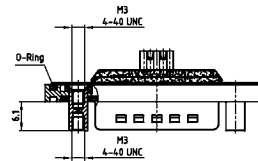


Shellsize 1-4

Shellsize 5

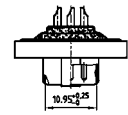
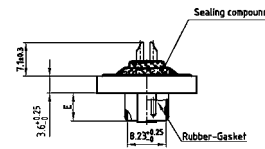


| Shellsize | A +0.3 | B +0.3 | C                                                            | D1 +0.25 | E -0.30 |
|-----------|--------|--------|--------------------------------------------------------------|----------|---------|
| 1         | 21.10  | 39.40  | 25.00 $\begin{smallmatrix} +0.12 \\ -0.13 \end{smallmatrix}$ | 16.79    | 5.82    |
| 2         | 21.10  | 47.70  | 33.30 $\begin{smallmatrix} +0.15 \\ -0.10 \end{smallmatrix}$ | 25.12    | 5.82    |
| 3         | 21.10  | 61.40  | 47.04 $\pm 0.13$                                             | 38.84    | 5.69    |
| 4         | 21.10  | 77.90  | 63.50 $\pm 0.13$                                             | 55.30    | 5.69    |
| 5         | 23.90  | 75.50  | 61.10 $\begin{smallmatrix} +0.14 \\ -0.11 \end{smallmatrix}$ | 52.68    | 5.69    |



Shellsize 1-4

Shellsize 5



## ORDER DATA

| SOCKET CONNECTOR |                         | High power contact |  | Part Number       |
|------------------|-------------------------|--------------------|--|-------------------|
| Design           | Mounting style 4-40 UNC |                    |  |                   |
| 5W1              | Front spacer            | 10 A               |  | 6005W1SAM 61 B50X |
| 7W2              | Front spacer            | 10 A               |  | 6007W2SAM 61 B50X |
| 11W1             | Front spacer            | 10 A               |  | 6011W1SAM 61 B50X |
| 9W4              | Front spacer            | 10 A               |  | 6009W4SAM 61 B50X |
| 13W3             | Front spacer            | 10 A               |  | 6013W3SAM 61 B50X |
| 17W2             | Front spacer            | 10 A               |  | 6017W2SAM 61 B50X |
| 21W1             | Front spacer            | 10 A               |  | 6021W1SAM 61 B50X |
| 13W6             | Front spacer            | 10 A               |  | 6013W6SAM 61 B50X |
| 17W5             | Front spacer            | 10 A               |  | 6017W5SAM 61 B50X |
| 21W4             | Front spacer            | 10 A               |  | 621W4SAM 61 B50X  |
| 25W3             | Front spacer            | 10 A               |  | 6025W3SAM 61 B50X |
| 27W2             | Front spacer            | 10 A               |  | 6027W2SAM 61 B50X |
| 24W7             | Front spacer            | 10 A               |  | 6024W7SAM 61 B50X |
| 36W4             | Front spacer            | 10 A               |  | 6036W4SAM 61 B50X |
| 43W2             | Front spacer            | 10 A               |  | 6043W2SAM 61 B50X |
| 47W1             | Front spacer            | 10 A               |  | 6047W1SAM 61 B50X |

| PLUG CONNECTOR |                         | High power contact |  | Part Number       |
|----------------|-------------------------|--------------------|--|-------------------|
| Design         | Mounting style 4-40 UNC |                    |  |                   |
| 5W1            | Front spacer            | 10 A               |  | 6005W1PAM 61 B50X |
| 7W2            | Front spacer            | 10 A               |  | 6007W2PAM 61 B50X |
| 11W1           | Front spacer            | 10 A               |  | 6011W1PAM 61 B50X |
| 9W4            | Front spacer            | 10 A               |  | 6009W4PAM 61 B50X |
| 13W3           | Front spacer            | 10 A               |  | 6013W3PAM 61 B50X |
| 17W2           | Front spacer            | 10 A               |  | 6017W2PAM 61 B50X |
| 21W1           | Front spacer            | 10 A               |  | 6021W1PAM 61 B50X |
| 13W6           | Front spacer            | 10 A               |  | 6013W6PAM 61 B50X |
| 17W5           | Front spacer            | 10 A               |  | 6017W5PAM 61 B50X |
| 21W4           | Front spacer            | 10 A               |  | 621W4PAM 61 B50X  |
| 25W3           | Front spacer            | 10 A               |  | 6025W3PAM 61 B50X |
| 27W2           | Front spacer            | 10 A               |  | 6027W2PAM 61 B50X |
| 24W7           | Front spacer            | 10 A               |  | 6024W7PAM 61 B50X |
| 36W4           | Front spacer            | 10 A               |  | 6036W4PAM 61 B50X |
| 43W2           | Front spacer            | 10 A               |  | 6043W2PAM 61 B50X |
| 47W1           | Front spacer            | 10 A               |  | 6047W1PAM 61 B50X |

For other contacts refer to page 7 | 24 up to 7 | 29.

| Contact         | Code |
|-----------------|------|
| High power 10 A | = 61 |
| High power 20 A | = 62 |

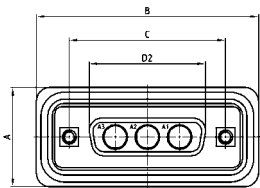
# IP67 COMBINATION D-SUB – FRONT PANEL MOUNTING

Solder cup – With power or coaxial contacts – Precision machined contacts



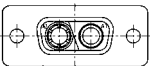
RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

## SOCKET CONNECTOR

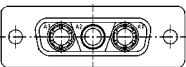


| Dimensions in mm |        |        |                              |          |  |
|------------------|--------|--------|------------------------------|----------|--|
| Shellsize        | A +0.3 | B +0.3 | C                            | D2 +0.25 |  |
| 1                | 39.40  | 16.46  | 24.99 <sup>+0.13/-0.12</sup> | 16.79    |  |
| 2                | 47.70  | 24.79  | 33.32 <sup>+0.13/-0.12</sup> | 25.12    |  |
| 3                | 61.40  | 38.50  | 47.04 <sup>+0.13/-0.12</sup> | 38.84    |  |
| 4                | 77.90  | 54.96  | 63.50 <sup>+0.13/-0.12</sup> | 55.30    |  |

### Coded socket connectors

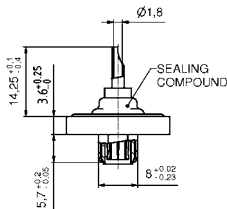
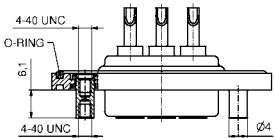


2W2C = 1 Socket – 1 Plug



3W3C = 2 Sockets – 1 Plug

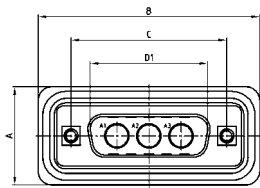
Shellsize 1-4



## DESCRIPTION

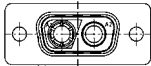
- Designs: 2W2C; 3W3; 3W3C; 5W5; 8W8
- Contacts: high power or coaxial contacts
- Mounting styles:  
with 4-40 UNC or M3 front spacer
- Quality class 3 (also available in quality class 1)
- Shell: Brass tin plated
- Nickel plated die-cast frame  
(Black plastic frame on request)
- Stainless steel hex bolts are supplied loose

## PLUG CONNECTOR

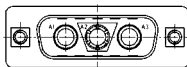


| Dimensions in mm |        |        |                              |          |         |
|------------------|--------|--------|------------------------------|----------|---------|
| Shellsize        | A +0.3 | B +0.3 | C                            | D1 +0.25 | E -0.30 |
| 1                | 39.40  | 16.46  | 24.99 <sup>+0.13/-0.12</sup> | 16.46    | 5.82    |
| 2                | 47.70  | 24.79  | 33.32 <sup>+0.13/-0.12</sup> | 24.79    | 5.82    |
| 3                | 61.40  | 38.50  | 47.04 <sup>+0.13/-0.12</sup> | 38.50    | 5.69    |
| 4                | 77.90  | 54.96  | 63.50 <sup>+0.13/-0.12</sup> | 54.96    | 5.69    |

### Coded plug connectors

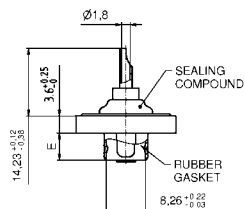
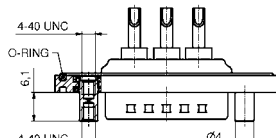


2W2C = 1 Plug – 1 Socket



3W3C = 2 Plugs – 1 Socket

Shellsize 1-4



## ORDER DATA

| SOCKET CONNECTOR |                         | High power contact |  | Part Number       |
|------------------|-------------------------|--------------------|--|-------------------|
| Design           | Mounting style 4-40 UNC |                    |  |                   |
| 2W2C             | Front spacer            | 10 A               |  | 602W2CSXX 61 B50X |
| 3W3              | Front spacer            | 10 A               |  | 6003W3SXX 61 B50X |
| 3W3C             | Front spacer            | 10 A               |  | 603W3CSXX 61 B50X |
| 5W5              | Front spacer            | 10 A               |  | 6005W5SXX 61 B50X |
| 8W8              | Front spacer            | 10 A               |  | 6008W8SXX 61 B50X |

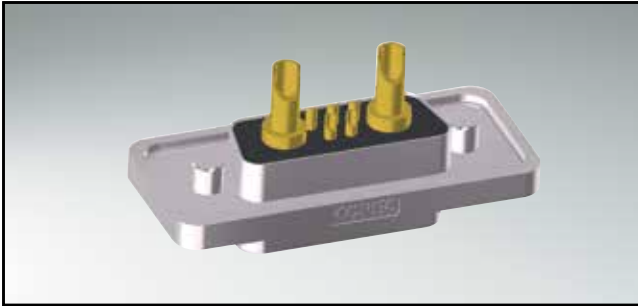
| PLUG CONNECTOR |                         | High power contact |  | Part Number       |
|----------------|-------------------------|--------------------|--|-------------------|
| Design         | Mounting style 4-40 UNC |                    |  |                   |
| 2W2C           | Front spacer            | 10 A               |  | 602W2CPXX 61 B50X |
| 3W3            | Front spacer            | 10 A               |  | 6003W3PXX 61 B50X |
| 3W3C           | Front spacer            | 10 A               |  | 603W3CPXX 61 B50X |
| 5W5            | Front spacer            | 10 A               |  | 6005W5PXX 61 B50X |
| 8W8            | Front spacer            | 10 A               |  | 6008W8PXX 61 B50X |

For other contacts refer to page 7 | 24 up to 7 | 29.

| Contact         | Code |
|-----------------|------|
| High power 10 A | = 61 |
| High power 20 A | = 62 |

# IP67 COMBINATION D-SUB Solid Body

Solder cup – Precision machined contacts – For wire size AWG 20 and AWG 12 - 14

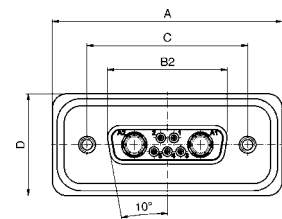


RoHS compliant – UL listed, File No.: E202784

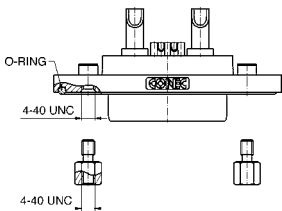
## DESCRIPTION

- Signal contacts for wire size AWG 20
- High power contacts 20A for cable AWG 12 - 14
- Mounting style:  
with 4-40 UNC threaded insert
- Quality class 3 (also available in quality class 1)
- One-piece zinc die-cast nickel plated shell
- IP67 for harsh environments, pressure-proof up to 1.45 PSI
- Stainless steel hex bolts are supplied loose

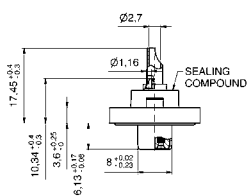
## SOCKET CONNECTOR



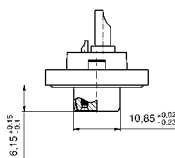
| Shellsize | A                                     | B2 -0.25 | C                                       | D                                     |
|-----------|---------------------------------------|----------|-----------------------------------------|---------------------------------------|
| 1         | 39.40 <sup>+0.3</sup> <sub>-0</sub>   | 16.46    | 25.00 <sup>+0.12</sup> <sub>-0.13</sub> | 21.10 <sup>+0.3</sup>                 |
| 2         | 47.70 <sup>+0.3</sup> <sub>-0</sub>   | 24.79    | 33.32 <sup>+0.13</sup> <sub>-0.12</sub> | 21.10 <sup>+0.3</sup>                 |
| 3         | 61.40 <sup>+0.3</sup> <sub>-0</sub>   | 38.50    | 47.04 <sup>+0.13</sup>                  | 21.10 <sup>+0.3</sup>                 |
| 4         | 78.00 <sup>+0.3</sup> <sub>-0</sub>   | 54.96    | 63.50 <sup>+0.13</sup>                  | 21.10 <sup>+0.3</sup>                 |
| 5         | 75.60 <sup>+0.3</sup> <sub>-0.1</sub> | 52.55    | 61.10 <sup>+0.14</sup> <sub>-0.11</sub> | 23.90 <sup>+0.3</sup> <sub>-0.1</sub> |



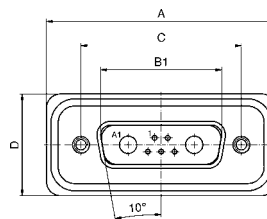
Shellsize 1-4



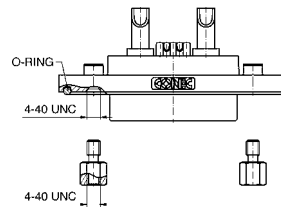
Shellsize 5



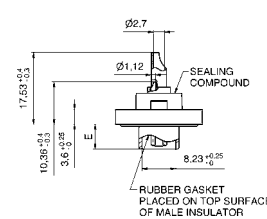
## PLUG CONNECTOR



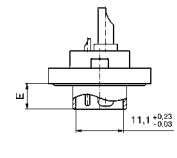
| Shellsize | A                                     | B1                                      | C                                       | D                                     | E                                      |
|-----------|---------------------------------------|-----------------------------------------|-----------------------------------------|---------------------------------------|----------------------------------------|
| 1         | 39.40 <sup>+0.3</sup> <sub>-0</sub>   | 16.81 <sup>+0.23</sup> <sub>-0.02</sub> | 25.00 <sup>+0.12</sup> <sub>-0.13</sub> | 21.10 <sup>+0.3</sup>                 | 6.00 <sup>+0.12</sup> <sub>-0.18</sub> |
| 2         | 47.70 <sup>+0.3</sup> <sub>-0</sub>   | 25.14 <sup>+0.23</sup> <sub>-0.02</sub> | 33.32 <sup>+0.13</sup> <sub>-0.12</sub> | 21.10 <sup>+0.3</sup>                 | 6.00 <sup>+0.12</sup> <sub>-0.18</sub> |
| 3         | 61.40 <sup>+0.3</sup> <sub>-0</sub>   | 38.86 <sup>+0.23</sup> <sub>-0.02</sub> | 47.04 <sup>+0.13</sup>                  | 21.10 <sup>+0.3</sup>                 | 5.99 <sup>+0.12</sup> <sub>-0.18</sub> |
| 4         | 78.00 <sup>+0.3</sup> <sub>-0</sub>   | 55.32 <sup>+0.23</sup> <sub>-0.02</sub> | 63.50 <sup>+0.13</sup>                  | 21.10 <sup>+0.3</sup>                 | 5.99 <sup>+0.12</sup> <sub>-0.18</sub> |
| 5         | 75.60 <sup>+0.3</sup> <sub>-0.1</sub> | 52.80 <sup>+0.13</sup> <sub>-0.12</sub> | 61.10 <sup>+0.14</sup> <sub>-0.11</sub> | 23.90 <sup>+0.3</sup> <sub>-0.1</sub> | 5.99 <sup>+0.12</sup> <sub>-0.18</sub> |



Shellsize 1-4



Shellsize 5



## ORDER DATA

### SOCKET CONNECTOR

| Design | Mounting style           | Power contact  | Part Number |
|--------|--------------------------|----------------|-------------|
| 5W1    | Threaded insert 4-40 UNC | High power 20A | 15-005063   |
| 7W2    | Threaded insert 4-40 UNC | High power 20A | 15-001103   |
| 11W1   | Threaded insert 4-40 UNC | High power 20A | 15-005073   |
| 9W4    | Threaded insert 4-40 UNC | High power 20A | 15-005083   |
| 13W3   | Threaded insert 4-40 UNC | High power 20A | 15-004563   |
| 17W2   | Threaded insert 4-40 UNC | High power 20A | 15-004453   |
| 21W1   | Threaded insert 4-40 UNC | High power 20A | 15-005093   |
| 13W6   | Threaded insert 4-40 UNC | High power 20A | 15-005103   |
| 17W5   | Threaded insert 4-40 UNC | High power 20A | 15-005113   |
| 21W4   | Threaded insert 4-40 UNC | High power 20A | 15-005123   |
| 25W3   | Threaded insert 4-40 UNC | High power 20A | 15-005133   |
| 27W2   | Threaded insert 4-40 UNC | High power 20A | 15-005143   |
| 24W7   | Threaded insert 4-40 UNC | High power 20A | 15-005153   |
| 36W4   | Threaded insert 4-40 UNC | High power 20A | 15-005163   |
| 43W2   | Threaded insert 4-40 UNC | High power 20A | 15-004593   |
| 47W1   | Threaded insert 4-40 UNC | High power 20A | 15-005183   |

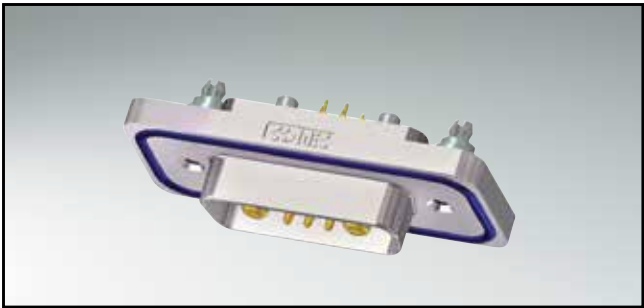
### PLUG CONNECTOR

| Design | Mounting style           | Power contact  | Part Number |
|--------|--------------------------|----------------|-------------|
| 5W1    | Threaded insert 4-40 UNC | High power 20A | 15-005193   |
| 7W2    | Threaded insert 4-40 UNC | High power 20A | 15-004643   |
| 11W1   | Threaded insert 4-40 UNC | High power 20A | 15-005203   |
| 9W4    | Threaded insert 4-40 UNC | High power 20A | 15-005213   |
| 13W3   | Threaded insert 4-40 UNC | High power 20A | 15-004553   |
| 17W2   | Threaded insert 4-40 UNC | High power 20A | 15-004543   |
| 21W1   | Threaded insert 4-40 UNC | High power 20A | 15-005223   |
| 13W6   | Threaded insert 4-40 UNC | High power 20A | 15-005233   |
| 17W5   | Threaded insert 4-40 UNC | High power 20A | 15-005243   |
| 21W4   | Threaded insert 4-40 UNC | High power 20A | 15-005253   |
| 25W3   | Threaded insert 4-40 UNC | High power 20A | 15-005263   |
| 27W2   | Threaded insert 4-40 UNC | High power 20A | 15-005273   |
| 24W7   | Threaded insert 4-40 UNC | High power 20A | 15-005283   |
| 36W4   | Threaded insert 4-40 UNC | High power 20A | 15-005293   |
| 43W2   | Threaded insert 4-40 UNC | High power 20A | 15-005303   |
| 47W1   | Threaded insert 4-40 UNC | High power 20A | 15-005313   |

Other high power or coaxial contacts on request.

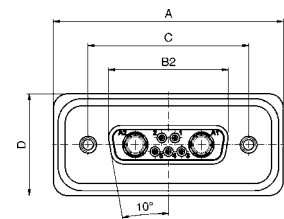
# IP67 COMBINATION D-SUB Solid Body

Solder pin – straight – Precision machined contacts

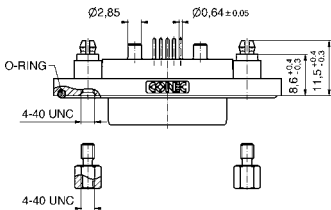


RoHS compliant – UL listed, File No.: E202784

## Socket Connector

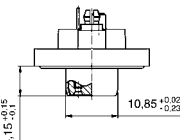
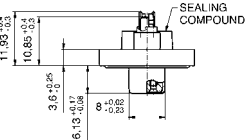


| Shellsize | A                                     | B2 -0.25 | C                                       | D2                                    |
|-----------|---------------------------------------|----------|-----------------------------------------|---------------------------------------|
| 1         | 39.40 <sup>+0.3</sup> <sub>-0</sub>   | 16.46    | 25.00 <sup>+0.12</sup> <sub>-0.13</sub> | 21.10 <sup>+0.3</sup>                 |
| 2         | 47.70 <sup>+0.3</sup> <sub>-0</sub>   | 24.79    | 33.32 <sup>+0.13</sup> <sub>-0.12</sub> | 21.10 <sup>+0.3</sup>                 |
| 3         | 61.40 <sup>+0.3</sup> <sub>-0</sub>   | 38.50    | 47.04 <sup>+0.13</sup> <sub>-0.12</sub> | 21.10 <sup>+0.3</sup>                 |
| 4         | 78.00 <sup>+0.3</sup> <sub>-0</sub>   | 54.96    | 63.50 <sup>+0.13</sup> <sub>-0.12</sub> | 21.10 <sup>+0.3</sup>                 |
| 5         | 75.60 <sup>+0.3</sup> <sub>-0.1</sub> | 52.55    | 61.10 <sup>+0.14</sup> <sub>-0.11</sub> | 23.90 <sup>+0.3</sup> <sub>-0.1</sub> |

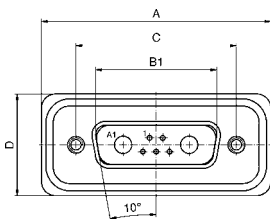


Shellsize 1-4

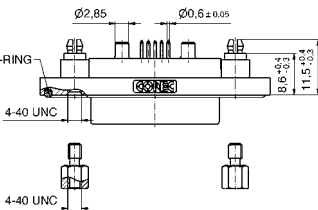
Shellsize 5



## Plug Connector

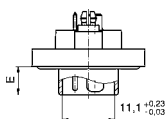
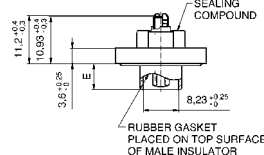


| Shellsize | A                                     | B1                                      | C                                       | D                                     | E                                      |
|-----------|---------------------------------------|-----------------------------------------|-----------------------------------------|---------------------------------------|----------------------------------------|
| 1         | 39.40 <sup>+0.3</sup> <sub>-0</sub>   | 16.81 <sup>+0.23</sup> <sub>-0.02</sub> | 25.00 <sup>+0.12</sup> <sub>-0.13</sub> | 21.10 <sup>+0.3</sup>                 | 6.00 <sup>+0.12</sup> <sub>-0.18</sub> |
| 2         | 47.70 <sup>+0.3</sup> <sub>-0</sub>   | 25.14 <sup>+0.23</sup> <sub>-0.02</sub> | 33.32 <sup>+0.13</sup> <sub>-0.12</sub> | 21.10 <sup>+0.3</sup>                 | 6.00 <sup>+0.12</sup> <sub>-0.18</sub> |
| 3         | 61.40 <sup>+0.3</sup> <sub>-0</sub>   | 38.86 <sup>+0.23</sup> <sub>-0.02</sub> | 47.04 <sup>+0.13</sup> <sub>-0.12</sub> | 21.10 <sup>+0.3</sup>                 | 5.99 <sup>+0.12</sup> <sub>-0.18</sub> |
| 4         | 78.00 <sup>+0.3</sup> <sub>-0</sub>   | 55.32 <sup>+0.23</sup> <sub>-0.02</sub> | 63.50 <sup>+0.13</sup> <sub>-0.12</sub> | 21.10 <sup>+0.3</sup>                 | 5.99 <sup>+0.12</sup> <sub>-0.18</sub> |
| 5         | 75.60 <sup>+0.3</sup> <sub>-0.1</sub> | 52.80 <sup>+0.13</sup> <sub>-0.12</sub> | 61.10 <sup>+0.14</sup> <sub>-0.11</sub> | 23.90 <sup>+0.3</sup> <sub>-0.1</sub> | 5.99 <sup>+0.12</sup> <sub>-0.18</sub> |



Shellsize 1-4

Shellsize 5



## ORDER DATA

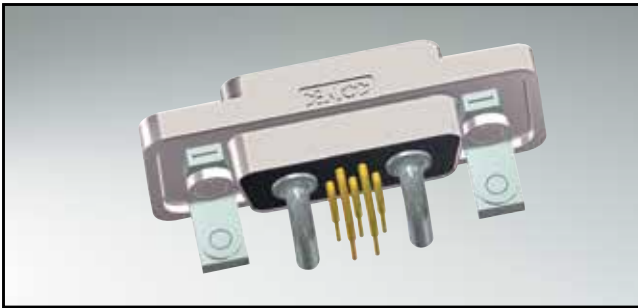
| Socket Connector |                               |                |             |
|------------------|-------------------------------|----------------|-------------|
| Design           | Mounting style 4-40 UNC       | Power contact  | Part Number |
| 5W1              | Threaded rear spacer PCB clip | High power 20A | 15-005323   |
| 7W2              | Threaded rear spacer PCB clip | High power 20A | 15-001823   |
| 11W1             | Threaded rear spacer PCB clip | High power 20A | 15-005333   |
| 9W4              | Threaded rear spacer PCB clip | High power 20A | 15-005343   |
| 13W3             | Threaded rear spacer PCB clip | High power 20A | 15-005353   |
| 17W2             | Threaded rear spacer PCB clip | High power 20A | 15-005363   |
| 21W1             | Threaded rear spacer PCB clip | High power 20A | 15-005373   |
| 13W6             | Threaded rear spacer PCB clip | High power 20A | 15-005383   |
| 17W5             | Threaded rear spacer PCB clip | High power 20A | 15-005393   |
| 21W4             | Threaded rear spacer PCB clip | High power 20A | 15-005403   |
| 25W3             | Threaded rear spacer PCB clip | High power 20A | 15-005413   |
| 27W2             | Threaded rear spacer PCB clip | High power 20A | 15-005423   |
| 24W7             | Threaded rear spacer PCB clip | High power 20A | 15-005433   |
| 36W4             | Threaded rear spacer PCB clip | High power 20A | 15-005443   |
| 43W2             | Threaded rear spacer PCB clip | High power 20A | 15-005453   |
| 47W1             | Threaded rear spacer PCB clip | High power 20A | 15-005463   |

| Plug Connector |                               |                |             |
|----------------|-------------------------------|----------------|-------------|
| Design         | Mounting style 4-40 UNC       | Power contact  | Part Number |
| 5W1            | Threaded rear spacer PCB clip | High power 20A | 15-005473   |
| 7W2            | Threaded rear spacer PCB clip | High power 20A | 15-001863   |
| 11W1           | Threaded rear spacer PCB clip | High power 20A | 15-005483   |
| 9W4            | Threaded rear spacer PCB clip | High power 20A | 15-005493   |
| 13W3           | Threaded rear spacer PCB clip | High power 20A | 15-005503   |
| 17W2           | Threaded rear spacer PCB clip | High power 20A | 15-005513   |
| 21W1           | Threaded rear spacer PCB clip | High power 20A | 15-005523   |
| 13W6           | Threaded rear spacer PCB clip | High power 20A | 15-005533   |
| 17W5           | Threaded rear spacer PCB clip | High power 20A | 15-005543   |
| 21W4           | Threaded rear spacer PCB clip | High power 20A | 15-005553   |
| 25W3           | Threaded rear spacer PCB clip | High power 20A | 15-005563   |
| 27W2           | Threaded rear spacer PCB clip | High power 20A | 15-005573   |
| 24W7           | Threaded rear spacer PCB clip | High power 20A | 15-005583   |
| 36W4           | Threaded rear spacer PCB clip | High power 20A | 15-005593   |
| 43W2           | Threaded rear spacer PCB clip | High power 20A | 15-005603   |
| 47W1           | Threaded rear spacer PCB clip | High power 20A | 15-005613   |

Other high power or coaxial contacts on request.

# IP67 COMBINATION D-SUB SOLID BODY

Solder pin – Angled – .402" / 10.2 mm – Precision machined contacts – Metal bracket

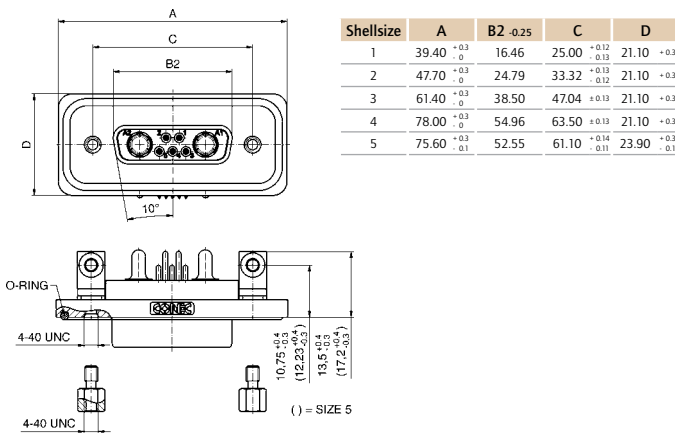


RoHS compliant – UL listed, File No.: E202784

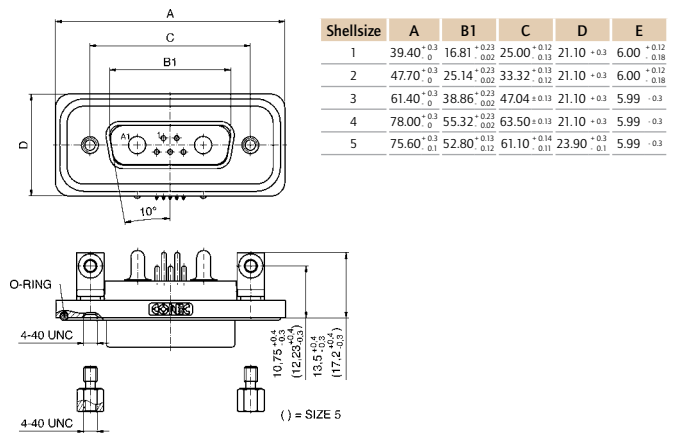
## DESCRIPTION

- High power contacts 20A
- Mounting style:  
mounting bracket, 4-40 UNC PCB clip
- Quality class 3 (also available in quality class 1)
- One-piece zinc die-cast nickel plated shell
- IP67 for harsh environments, pressure-proof up to 1.45 PSI
- Stainless steel hex bolts are supplied loose

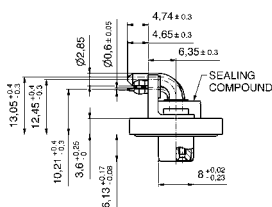
## SOCKET CONNECTOR



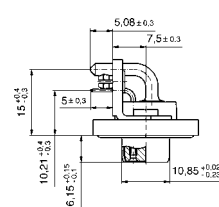
## PLUG CONNECTOR



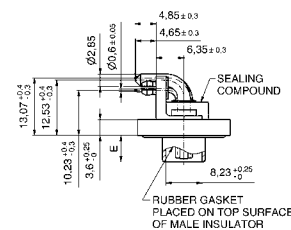
## Shellsize 1-4



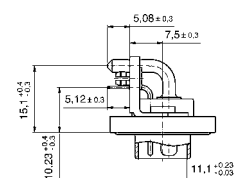
## Shellsize 5



## Shellsize 1-4



## Shellsize 5



## ORDER DATA

### SOCKET CONNECTOR

| Design | Mounting style 4-40 UNC   | Power contact  | Part number |
|--------|---------------------------|----------------|-------------|
| 5W1    | Mounting bracket PCB clip | High power 20A | 15-005623   |
| 7W2    | Mounting bracket PCB clip | High power 20A | 15-001463   |
| 11W1   | Mounting bracket PCB clip | High power 20A | 15-005633   |
| 9W4    | Mounting bracket PCB clip | High power 20A | 15-005643   |
| 13W3   | Mounting bracket PCB clip | High power 20A | 15-005653   |
| 17W2   | Mounting bracket PCB clip | High power 20A | 15-005663   |
| 21W1   | Mounting bracket PCB clip | High power 20A | 15-005673   |
| 13W6   | Mounting bracket PCB clip | High power 20A | 15-005683   |
| 17W5   | Mounting bracket PCB clip | High power 20A | 15-005693   |
| 21W4   | Mounting bracket PCB clip | High power 20A | 15-005703   |
| 25W3   | Mounting bracket PCB clip | High power 20A | 15-005713   |
| 27W2   | Mounting bracket PCB clip | High power 20A | 15-005723   |
| 24W7   | Mounting bracket PCB clip | High power 20A | 15-005733   |
| 36W4   | Mounting bracket PCB clip | High power 20A | 15-005743   |
| 43W2   | Mounting bracket PCB clip | High power 20A | 15-004593   |
| 47W1   | Mounting bracket PCB clip | High power 20A | 15-005753   |

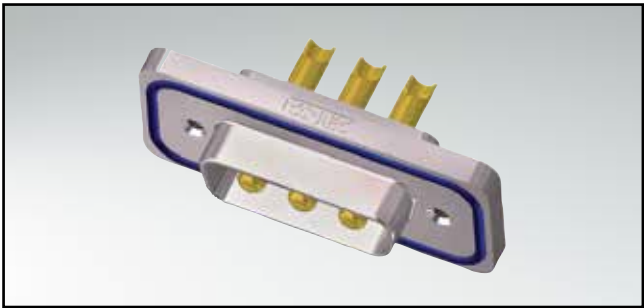
### PLUG CONNECTOR

| Design | Mounting style 4-40 UNC   | Power contact  | Part number |
|--------|---------------------------|----------------|-------------|
| 5W1    | Mounting bracket PCB clip | High power 20A | 15-005763   |
| 7W2    | Mounting bracket PCB clip | High power 20A | 15-001503   |
| 11W1   | Mounting bracket PCB clip | High power 20A | 15-005773   |
| 9W4    | Mounting bracket PCB clip | High power 20A | 15-005783   |
| 13W3   | Mounting bracket PCB clip | High power 20A | 15-005793   |
| 17W2   | Mounting bracket PCB clip | High power 20A | 15-002323   |
| 21W1   | Mounting bracket PCB clip | High power 20A | 15-005803   |
| 13W6   | Mounting bracket PCB clip | High power 20A | 15-005813   |
| 17W5   | Mounting bracket PCB clip | High power 20A | 15-005823   |
| 21W4   | Mounting bracket PCB clip | High power 20A | 15-005833   |
| 25W3   | Mounting bracket PCB clip | High power 20A | 15-002333   |
| 27W2   | Mounting bracket PCB clip | High power 20A | 15-005843   |
| 24W7   | Mounting bracket PCB clip | High power 20A | 15-005853   |
| 36W4   | Mounting bracket PCB clip | High power 20A | 15-002293   |
| 43W2   | Mounting bracket PCB clip | High power 20A | 15-005863   |
| 47W1   | Mounting bracket PCB clip | High power 20A | 15-005873   |

Other high power or coaxial contacts on request.

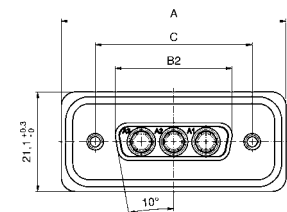
# IP67 COMBINATION D-SUB Solid Body

Solder cup – Precision machined contacts – For wire size AWG 12 - 14

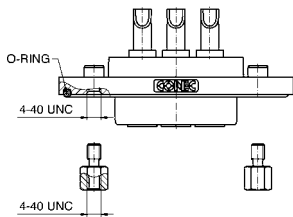


RoHS compliant – UL listed, File No.: E202784

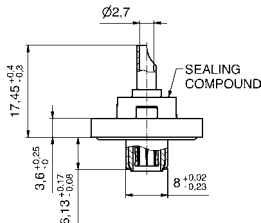
## SOCKET CONNECTOR



| Shellsize | A                                  | B2 -0.25 | C                                       |
|-----------|------------------------------------|----------|-----------------------------------------|
| 1         | 39.40 <sup>+0.3</sup> <sub>0</sub> | 16.46    | 25.00 <sup>+0.12</sup> <sub>-0.13</sub> |
| 2         | 47.70 <sup>+0.3</sup> <sub>0</sub> | 24.79    | 33.32 <sup>+0.13</sup> <sub>-0.12</sub> |
| 3         | 61.40 <sup>+0.3</sup> <sub>0</sub> | 38.50    | 47.04 <sup>+0.13</sup> <sub>-0.12</sub> |
| 4         | 78.00 <sup>+0.3</sup> <sub>0</sub> | 54.96    | 63.50 <sup>+0.13</sup> <sub>-0.12</sub> |



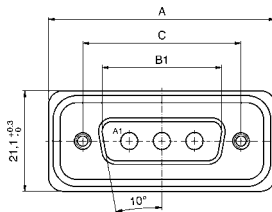
### Shellsize 1-4



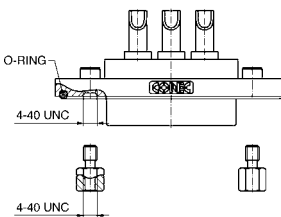
## DESCRIPTION

- High power contacts 20A for wire size AWG 12 - 14
- Mounting style:  
with 4-40 UNC threaded insert
- Quality class 3 (Also available in quality class 1)
- One-piece zinc die-cast nickel plated shell
- IP67 for harsh environments, pressure-proof up to 1.45 PSI
- Stainless steel hex bolts are supplied loose

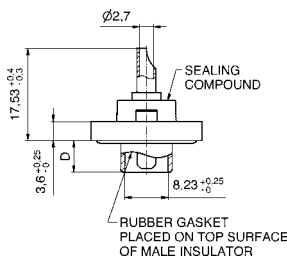
## PLUG CONNECTOR



| Shellsize | A                                  | B1                                      | C                                       | D                                      |
|-----------|------------------------------------|-----------------------------------------|-----------------------------------------|----------------------------------------|
| 1         | 39.40 <sup>+0.3</sup> <sub>0</sub> | 16.81 <sup>+0.23</sup> <sub>-0.02</sub> | 25.00 <sup>+0.12</sup> <sub>-0.13</sub> | 6.00 <sup>+0.12</sup> <sub>-0.18</sub> |
| 2         | 47.70 <sup>+0.3</sup> <sub>0</sub> | 25.14 <sup>+0.23</sup> <sub>-0.02</sub> | 33.32 <sup>+0.13</sup> <sub>-0.12</sub> | 6.00 <sup>+0.12</sup> <sub>-0.18</sub> |
| 3         | 61.40 <sup>+0.3</sup> <sub>0</sub> | 38.86 <sup>+0.23</sup> <sub>-0.02</sub> | 47.04 <sup>+0.13</sup> <sub>-0.12</sub> | 5.99 <sup>+0.12</sup> <sub>-0.18</sub> |
| 4         | 78.00 <sup>+0.3</sup> <sub>0</sub> | 55.32 <sup>+0.23</sup> <sub>-0.02</sub> | 63.50 <sup>+0.13</sup> <sub>-0.12</sub> | 5.99 <sup>+0.12</sup> <sub>-0.18</sub> |



### Shellsize 1-4



## ORDER DATA

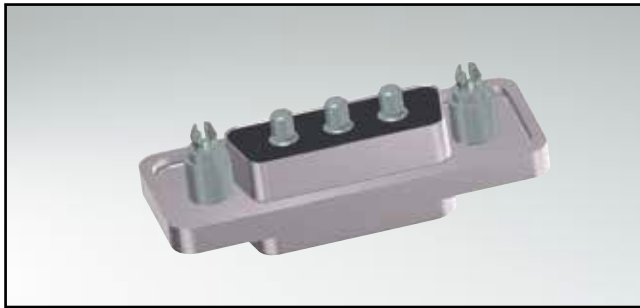
| SOCKET CONNECTOR |                         |                |             |
|------------------|-------------------------|----------------|-------------|
| Design           | Mounting style 4-40 UNC | Power contact  | Part number |
| 2W2C             | Threaded insert         | High power 20A | 15-001063   |
| 3W3C             | Threaded insert         | High power 20A | 15-001073   |
| 3W3              | Threaded insert         | High power 20A | 15-001083   |
| 5W5              | Threaded insert         | High power 20A | 15-001093   |
| 8W8              | Threaded insert         | High power 20A | 15-001613   |

| Design  |                         |                |             |
|---------|-------------------------|----------------|-------------|
| Bauform | Mounting style 4-40 UNC | Power contact  | Part number |
| 3W3C    | Threaded insert         | High power 20A | 15-001113   |
| 3W3     | Threaded insert         | High power 20A | 15-001123   |
| 5W5     | Threaded insert         | High power 20A | 15-001133   |
| 8W8     | Threaded insert         | High power 20A | 15-001653   |

Other high power or coaxial contacts on request.

# IP67 COMBINATION D-SUB SOLID BODY

Solder pin – Straight – Precision machined contacts

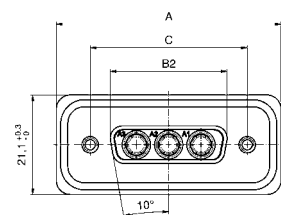


RoHS compliant – UL listed, File No.: E202784

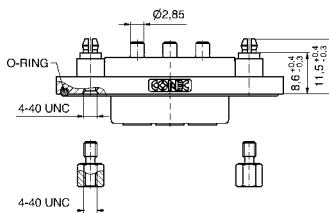
## DESCRIPTION

- High power contacts 20A
- Mounting style:  
4-40 UNC threaded rear spacer with PCB clip
- Quality class 3 (also available in quality class 1)
- One-piece zinc die-cast nickel plated shell
- IP67 for harsh environments, pressure-proof up to 1.45 PSI
- Stainless steel hex bolts are supplied loose

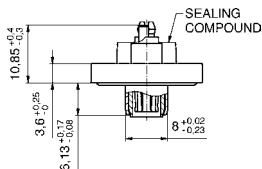
## SOCKET CONNECTOR



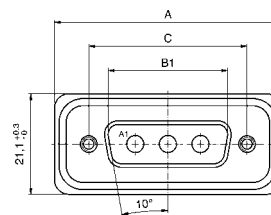
| Shellsize | A                                  | B2 ±0.25 | C                                       |
|-----------|------------------------------------|----------|-----------------------------------------|
| 1         | 39.40 <sup>+0.3</sup> <sub>0</sub> | 16.46    | 25.00 <sup>+0.12</sup> <sub>-0.13</sub> |
| 2         | 47.70 <sup>+0.3</sup> <sub>0</sub> | 24.79    | 33.32 <sup>+0.13</sup> <sub>-0.12</sub> |
| 3         | 61.40 <sup>+0.3</sup> <sub>0</sub> | 38.50    | 47.04 <sup>+0.13</sup> <sub>0</sub>     |
| 4         | 78.00 <sup>+0.3</sup> <sub>0</sub> | 54.96    | 63.50 <sup>+0.13</sup> <sub>0</sub>     |



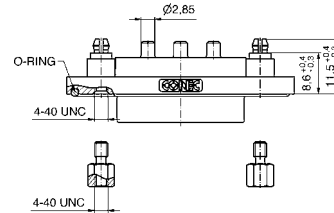
Shellsize 1-4



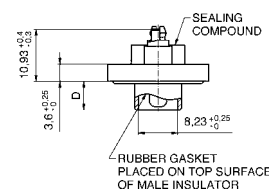
## PLUG CONNECTOR



| Shellsize | A                                  | B1                                      | C                                       | D                                      |
|-----------|------------------------------------|-----------------------------------------|-----------------------------------------|----------------------------------------|
| 1         | 39.40 <sup>+0.3</sup> <sub>0</sub> | 16.81 <sup>+0.23</sup> <sub>-0.02</sub> | 25.00 <sup>+0.12</sup> <sub>-0.13</sub> | 6.00 <sup>+0.12</sup> <sub>-0.18</sub> |
| 2         | 47.70 <sup>+0.3</sup> <sub>0</sub> | 25.14 <sup>+0.23</sup> <sub>-0.02</sub> | 33.32 <sup>+0.13</sup> <sub>-0.12</sub> | 6.00 <sup>+0.12</sup> <sub>-0.18</sub> |
| 3         | 61.40 <sup>+0.3</sup> <sub>0</sub> | 38.86 <sup>+0.23</sup> <sub>-0.02</sub> | 47.04 <sup>+0.13</sup> <sub>0</sub>     | 5.99 <sup>+0.12</sup> <sub>-0.3</sub>  |
| 4         | 78.00 <sup>+0.3</sup> <sub>0</sub> | 55.32 <sup>+0.23</sup> <sub>-0.02</sub> | 63.50 <sup>+0.13</sup> <sub>0</sub>     | 5.99 <sup>+0.12</sup> <sub>-0.3</sub>  |



Shellsize 1-4



## ORDER DATA

### SOCKET CONNECTOR

| Design | Mounting style 4-40 UNC       | Power contact  | Part number |
|--------|-------------------------------|----------------|-------------|
| 2W2C   | Threaded rear spacer PCB clip | High power 20A | 15-001783   |
| 3W3C   | Threaded rear spacer PCB clip | High power 20A | 15-001793   |
| 3W3    | Threaded rear spacer PCB clip | High power 20A | 15-001803   |
| 5W5    | Threaded rear spacer PCB clip | High power 20A | 15-001813   |
| 8W8    | Threaded rear spacer PCB clip | High power 20A | 15-002023   |

### PLUG CONNECTOR

| Design | Mounting style 4-40 UNC       | Power contact  | Part number |
|--------|-------------------------------|----------------|-------------|
| 3W3C   | Threaded rear spacer PCB clip | High power 20A | 15-005883   |
| 3W3    | Threaded rear spacer PCB clip | High power 20A | 15-001843   |
| 5W5    | Threaded rear spacer PCB clip | High power 20A | 15-001853   |
| 8W8    | Threaded rear spacer PCB clip | High power 20A | 15-001833   |

Other high power or coaxial contacts on request.

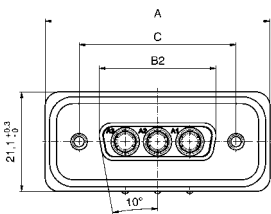
# IP67 COMBINATION D-SUB Solid Body

Solder pin – Angled – Precision machined contacts – Metal bracket

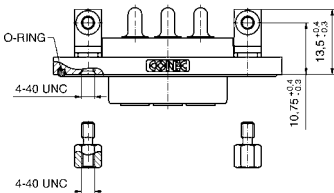


RoHS compliant – UL listed, File No.: E202784

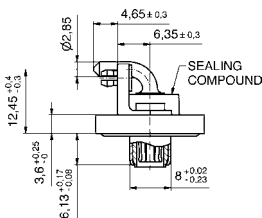
## SOCKET CONNECTOR



| Shellsize | A                                  | B2 -0.25 | C                                       |
|-----------|------------------------------------|----------|-----------------------------------------|
| 1         | 39.40 <sup>+0.3</sup> <sub>0</sub> | 16.46    | 25.00 <sup>+0.12</sup> <sub>-0.13</sub> |
| 2         | 47.70 <sup>+0.3</sup> <sub>0</sub> | 24.79    | 33.32 <sup>+0.13</sup> <sub>-0.12</sub> |
| 3         | 61.40 <sup>+0.3</sup> <sub>0</sub> | 38.50    | 47.04 <sup>+0.13</sup> <sub>0</sub>     |
| 4         | 78.00 <sup>+0.3</sup> <sub>0</sub> | 54.96    | 63.50 <sup>+0.13</sup> <sub>0</sub>     |



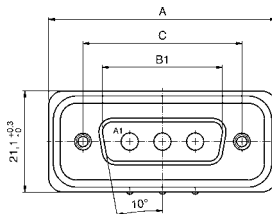
Shellsize 1-4



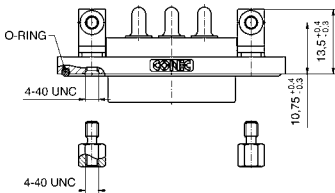
## DESCRIPTION

- High power contacts 20A
- Mounting style:  
mounting bracket, 4-40 UNC PCB clip
- Quality class 3 (Also available in quality class 1)
- One-piece zinc die-cast nickel plated shell
- IP67 for harsh environments, pressure-proof up to 1.45 PSI
- Stainless steel hex bolts are supplied loose

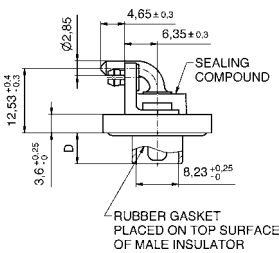
## PLUG CONNECTOR



| Shellsize | A                                  | B1                                      | C                                       | D                                      |
|-----------|------------------------------------|-----------------------------------------|-----------------------------------------|----------------------------------------|
| 1         | 39.40 <sup>+0.3</sup> <sub>0</sub> | 16.81 <sup>+0.23</sup> <sub>-0.02</sub> | 25.00 <sup>+0.12</sup> <sub>-0.13</sub> | 6.00 <sup>+0.12</sup> <sub>-0.18</sub> |
| 2         | 47.70 <sup>+0.3</sup> <sub>0</sub> | 25.14 <sup>+0.23</sup> <sub>-0.02</sub> | 33.32 <sup>+0.13</sup> <sub>-0.12</sub> | 6.00 <sup>+0.12</sup> <sub>-0.18</sub> |
| 3         | 61.40 <sup>+0.3</sup> <sub>0</sub> | 38.86 <sup>+0.23</sup> <sub>-0.02</sub> | 47.04 <sup>+0.13</sup> <sub>0</sub>     | 5.99 <sup>+0.12</sup> <sub>-0.3</sub>  |
| 4         | 78.00 <sup>+0.3</sup> <sub>0</sub> | 55.32 <sup>+0.23</sup> <sub>-0.02</sub> | 63.50 <sup>+0.13</sup> <sub>0</sub>     | 5.99 <sup>+0.12</sup> <sub>-0.3</sub>  |



Shellsize 1-4



## ORDER DATA

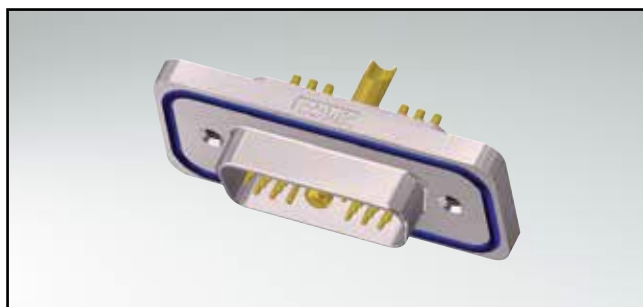
| SOCKET CONNECTOR |                           |                |             |
|------------------|---------------------------|----------------|-------------|
| Design           | Mounting style 4-40 UNC   | Power contact  | Part number |
| 2W2C             | Mounting bracket PCB clip | High power 20A | 15-001423   |
| 3W3C             | Mounting bracket PCB clip | High power 20A | 15-001433   |
| 3W3              | Mounting bracket PCB clip | High power 20A | 15-001443   |
| 5W5              | Mounting bracket PCB clip | High power 20A | 15-001453   |
| 8W8              | Mounting bracket PCB clip | High power 20A | 15-001963   |

| PLUG CONNECTOR |                           |                |             |
|----------------|---------------------------|----------------|-------------|
| Design         | Mounting style 4-40 UNC   | Power contact  | Part number |
| 3W3C           | Mounting bracket PCB clip | High power 20A | 15-001473   |
| 3W3            | Mounting bracket PCB clip | High power 20A | 15-001483   |
| 5W5            | Mounting bracket PCB clip | High power 20A | 15-001493   |
| 8W8            | Mounting bracket PCB clip | High power 20A | 15-001993   |

Other high power or coaxial contacts on request.

# IP67 COMBINATION HD-SUB Solid Body

Solder cup – Precision machined contacts – For wire size AWG 22 and AWG 12 - 14

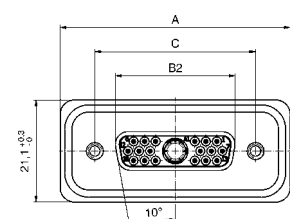


RoHS compliant

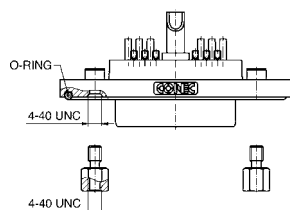
## DESCRIPTION

- Signal contacts for wire size AWG 22
- High power contacts 20A for cable AWG 12 - 14
- Mounting style:  
with 4-40 UNC threaded insert
- Quality class 3 (Also available in quality class 1)
- One-piece zinc die-cast nickel plated shell
- IP67 for harsh environments, pressure-proof up to 1.45 PSI
- Stainless steel hex bolts are supplied loose

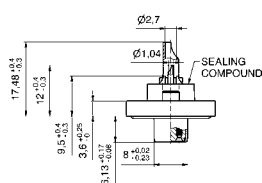
## SOCKET CONNECTOR



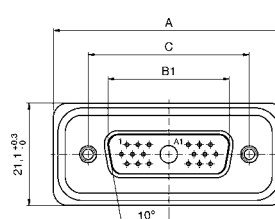
| Shellsize | A                                  | B2 ±0.25 | C                                       |
|-----------|------------------------------------|----------|-----------------------------------------|
| 2         | 47.70 <sup>+0.3</sup> <sub>0</sub> | 24.79    | 33.32 <sup>+0.13</sup> <sub>-0.12</sub> |
| 3         | 61.40 <sup>+0.3</sup> <sub>0</sub> | 38.50    | 47.04 <sup>+0.13</sup> <sub>-0.12</sub> |
| 4         | 78.00 <sup>+0.3</sup> <sub>0</sub> | 54.96    | 63.50 <sup>+0.13</sup> <sub>-0.12</sub> |



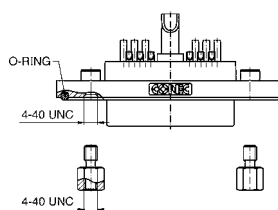
## Shellsize 2-4



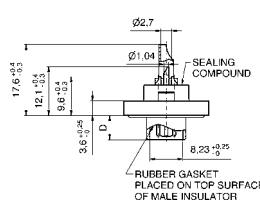
## PLUG CONNECTOR



| Shellsize | A                                  | B1                                      | C                                       | D                                      |
|-----------|------------------------------------|-----------------------------------------|-----------------------------------------|----------------------------------------|
| 2         | 47.70 <sup>+0.3</sup> <sub>0</sub> | 25.14 <sup>+0.23</sup> <sub>-0.02</sub> | 33.32 <sup>+0.13</sup> <sub>-0.12</sub> | 6.00 <sup>+0.12</sup> <sub>-0.18</sub> |
| 3         | 61.40 <sup>+0.3</sup> <sub>0</sub> | 38.86 <sup>+0.23</sup> <sub>-0.02</sub> | 47.04 <sup>+0.13</sup> <sub>-0.12</sub> | 5.99 <sup>+0.12</sup> <sub>-0.18</sub> |
| 4         | 78.00 <sup>+0.3</sup> <sub>0</sub> | 55.32 <sup>+0.23</sup> <sub>-0.02</sub> | 63.50 <sup>+0.13</sup> <sub>-0.12</sub> | 5.99 <sup>+0.12</sup> <sub>-0.18</sub> |



## Shellsize 2-4



## ORDER DATA

### SOCKET CONNECTOR

| Design | Mounting style 4-40 UNC | Power contact  | Part number |
|--------|-------------------------|----------------|-------------|
| 15W4   | Threaded insert         | High power 20A | 15-005893   |
| 19W1   | Threaded insert         | High power 20A | 15-005903   |
| 45W2   | Threaded insert         | High power 20A | 15-005913   |

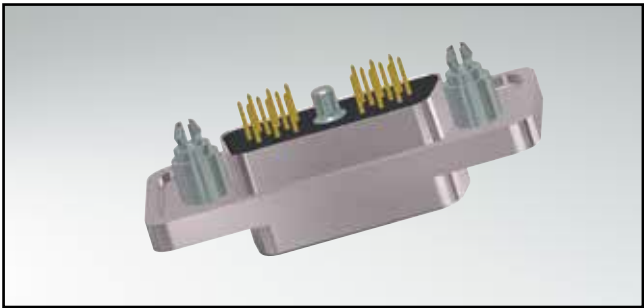
### PLUG CONNECTOR

| Design | Mounting style 4-40 UNC | Power contact  | Part number |
|--------|-------------------------|----------------|-------------|
| 15W4   | Threaded insert         | High power 20A | 15-005923   |
| 19W1   | Threaded insert         | High power 20A | 15-005933   |
| 45W2   | Threaded insert         | High power 20A | 15-005943   |

Other high power or coaxial contacts on request.

# IP67 COMBINATION HD-SUB Solid Body

Solder pin – Straight – Precision machined contacts

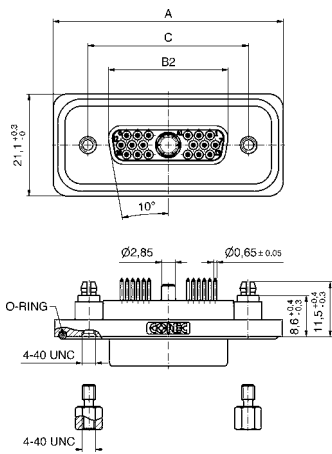


RoHS compliant

### DESCRIPTION

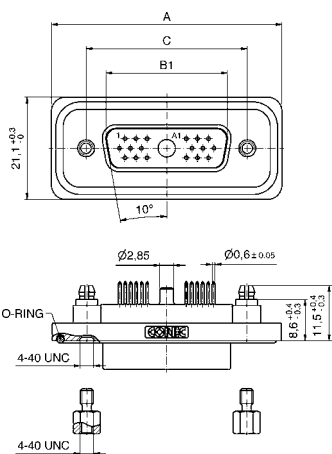
- High power contacts 20A
- Mounting style:  
4-40 UNC threaded rear spacer with PCB clip
- Quality class 3 (Also available in quality class 1)
- One-piece zinc die-cast nickel plated shell
- IP67 for harsh environments, pressure-proof up to 1.45 PSI
- Stainless steel hex bolts are supplied loose

### SOCKET CONNECTOR



| Shellsize | A                                  | B2 -0.25 | C                                       |
|-----------|------------------------------------|----------|-----------------------------------------|
| 2         | 47.70 <sup>+0.3</sup> <sub>0</sub> | 24.79    | 33.32 <sup>+0.13</sup> <sub>-0.12</sub> |
| 3         | 61.40 <sup>+0.3</sup> <sub>0</sub> | 38.50    | 47.04 <sup>+0.13</sup> <sub>-0.12</sub> |
| 4         | 78.00 <sup>+0.3</sup> <sub>0</sub> | 54.96    | 63.50 <sup>+0.13</sup> <sub>-0.12</sub> |

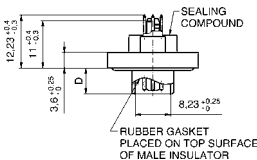
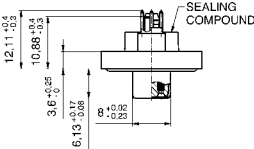
### PLUG CONNECTOR



| Shellsize | A                                  | B1                                      | C                                       | D                                      |
|-----------|------------------------------------|-----------------------------------------|-----------------------------------------|----------------------------------------|
| 2         | 47.70 <sup>+0.3</sup> <sub>0</sub> | 25.14 <sup>+0.23</sup> <sub>-0.02</sub> | 33.32 <sup>+0.13</sup> <sub>-0.12</sub> | 6.00 <sup>+0.12</sup> <sub>-0.18</sub> |
| 3         | 61.40 <sup>+0.3</sup> <sub>0</sub> | 38.86 <sup>+0.23</sup> <sub>-0.02</sub> | 47.04 <sup>+0.13</sup> <sub>-0.12</sub> | 5.99 <sup>+0.3</sup> <sub>-0.3</sub>   |
| 4         | 78.00 <sup>+0.3</sup> <sub>0</sub> | 55.32 <sup>+0.23</sup> <sub>-0.02</sub> | 63.50 <sup>+0.13</sup> <sub>-0.12</sub> | 5.99 <sup>+0.3</sup> <sub>-0.3</sub>   |

Shellsize 2-4

Shellsize 2-4



### ORDER DATA

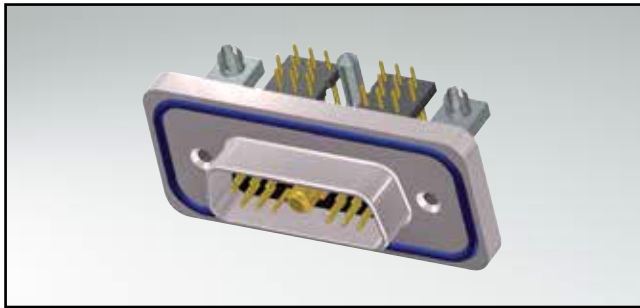
| SOCKET CONNECTOR |                               |                |             |
|------------------|-------------------------------|----------------|-------------|
| Design           | Mounting style 4-40 UNC       | Power contact  | Part number |
| 15W4             | Threaded rear spacer PCB clip | High power 20A | 15-005953   |
| 19W1             | Threaded rear spacer PCB clip | High power 20A | 15-005963   |
| 45W2             | Threaded rear spacer PCB clip | High power 20A | 15-005973   |

| PLUG CONNECTOR |                               |                |             |
|----------------|-------------------------------|----------------|-------------|
| Design         | Mounting style 4-40 UNC       | Power contact  | Part number |
| 15W4           | Threaded rear spacer PCB clip | High power 20A | 15-005983   |
| 19W1           | Threaded rear spacer PCB clip | High power 20A | 15-005993   |
| 45W2           | Threaded rear spacer PCB clip | High power 20A | 15-006003   |

Other high power or coaxial contacts on request.

# IP67 COMBINATION HD-SUB Solid Body

Solder pin – Angled – Precision machined contacts – Metal bracket

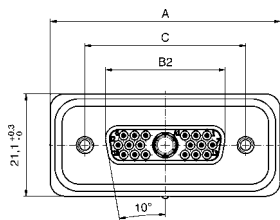


RoHS compliant

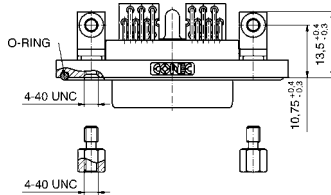
## DESCRIPTION

- High power contacts 20A
- Mounting style:  
mounting bracket, 4-40 UNC PCB clip
- Quality class 3 (Also available in quality class 1)
- One-piece zinc die-cast nickel plated shell
- IP67 for harsh environments, pressure-proof up to 1.45 PSI
- Stainless steel hex bolts are supplied loose

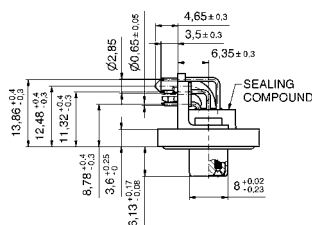
## SOCKET CONNECTOR



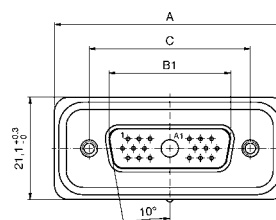
| Shellsize | A                                  | B2 ±0.25 | C                                       |
|-----------|------------------------------------|----------|-----------------------------------------|
| 2         | 47.70 <sup>+0.3</sup> <sub>0</sub> | 24.79    | 33.32 <sup>+0.13</sup> <sub>-0.12</sub> |
| 3         | 61.40 <sup>+0.3</sup> <sub>0</sub> | 38.50    | 47.04 <sup>+0.13</sup> <sub>-0.12</sub> |
| 4         | 78.00 <sup>+0.3</sup> <sub>0</sub> | 54.96    | 63.50 <sup>+0.13</sup> <sub>-0.12</sub> |



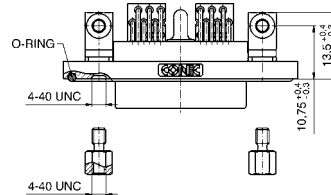
### Shellsize 2-4



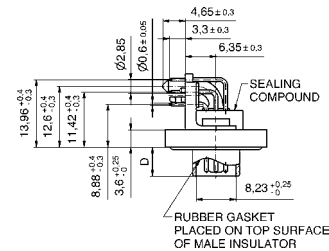
## PLUG CONNECTOR



| Shellsize | A                                  | B1                                      | C                                       | D                                      |
|-----------|------------------------------------|-----------------------------------------|-----------------------------------------|----------------------------------------|
| 2         | 47.70 <sup>+0.3</sup> <sub>0</sub> | 25.14 <sup>+0.23</sup> <sub>-0.02</sub> | 33.32 <sup>+0.13</sup> <sub>-0.12</sub> | 6.00 <sup>+0.12</sup> <sub>-0.18</sub> |
| 3         | 61.40 <sup>+0.3</sup> <sub>0</sub> | 38.86 <sup>+0.23</sup> <sub>-0.02</sub> | 47.04 <sup>+0.13</sup> <sub>-0.12</sub> | 5.99 <sup>+0.3</sup> <sub>-0.18</sub>  |
| 4         | 78.00 <sup>+0.3</sup> <sub>0</sub> | 55.32 <sup>+0.23</sup> <sub>-0.02</sub> | 63.50 <sup>+0.13</sup> <sub>-0.12</sub> | 5.99 <sup>+0.3</sup> <sub>-0.18</sub>  |



### Shellsize 2-4



## ORDER DATA

### SOCKET CONNECTOR

| Design | Mounting style 4-40 UNC   | Power contact  | Part number |
|--------|---------------------------|----------------|-------------|
| 15W4   | Mounting bracket PCB clip | High power 20A | 15-006013   |
| 19W1   | Mounting bracket PCB clip | High power 20A | 15-006023   |
| 45W2   | Mounting bracket PCB clip | High power 20A | 15-006033   |

### PLUG CONNECTOR

| Design | Mounting style 4-40 UNC   | Power contact  | Part number |
|--------|---------------------------|----------------|-------------|
| 15W4   | Mounting bracket PCB clip | High power 20A | 15-006043   |
| 19W1   | Mounting bracket PCB clip | High power 20A | 15-006053   |
| 45W2   | Mounting bracket PCB clip | High power 20A | 15-006063   |

Other high power or coaxial contacts on request.

# COMBINATION D-SUB CONTACTS

## High power contacts – Solder cup – Screw/Crimp version



RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

### DESCRIPTION

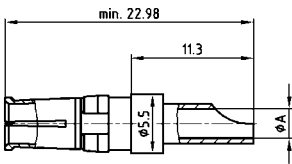
- Precision machined contacts
- Quality class 3: 50 mating cycles
- Quality class 1: 500 mating cycles
- Premating contacts available on request
- Solder area tin plated available on request

### Note:

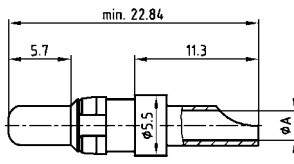
Contacts shown on this page, are for the Selection and Coding of your part number, using the Part Number Constructor on page 9|2.

### PRODUCT DRAWING

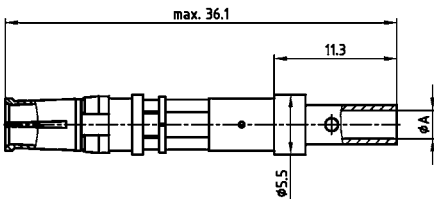
Socket contact/Solder cup



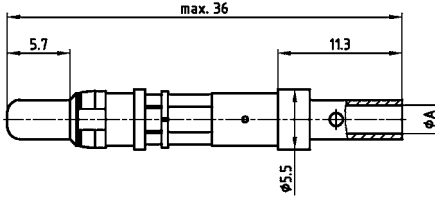
Plug contact/Solder cup



Socket contact/Screw crimp

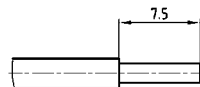


Plug contact/Screw crimp



| AWG   | Current rating | ØA+0.15 |
|-------|----------------|---------|
| 16-20 | 10A            | 1.80    |
| 12-14 | 20A            | 2.70    |
| 10-12 | 30A            | 3.50    |
| 8-10  | 40A            | 4.80    |

Wire stripping



### ORDER DATA

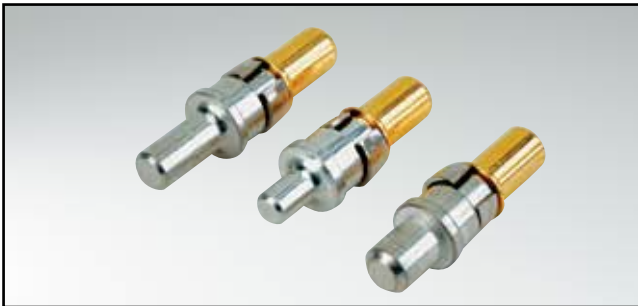
| HIGH POWER CONTACT SOLDER CUP |                | Quality class 3          |  | Quality class 1 |  |
|-------------------------------|----------------|--------------------------|--|-----------------|--|
| Wire size                     | Current rating | Code                     |  | Code            |  |
| AWG 16...20                   | 10 A           | 61                       |  | 41              |  |
| AWG 12...14                   | 20 A           | 62                       |  | 42              |  |
| AWG 10...12                   | 30 A           | 63 (only for solid body) |  | 43              |  |
| AWG 8...10                    | 40 A           | 64 (only for solid body) |  | 44              |  |

| HIGH POWER CONTACT SCREW CRIMP |                | Quality class 3 |  | Quality class 1 |  |
|--------------------------------|----------------|-----------------|--|-----------------|--|
| Wire size                      | Current rating | Code            |  | Code            |  |
| AWG 16...20                    | 10 A           | On request      |  | R1              |  |
| AWG 12...14                    | 20 A           | On request      |  | R2              |  |
| AWG 10...12                    | 30 A           | On request      |  | R3              |  |
| AWG 8...10                     | 40 A           | On request      |  | R4              |  |

# COMBINATION D-SUB CONTACTS

## High power contacts – Solder pin – Straight



RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

### DESCRIPTION

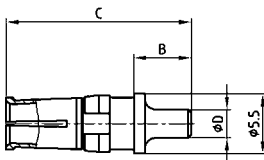
- Precision machined contacts
- Quality class 3: 50 mating cycles (gold plated)
- Quality class 1: 500 mating cycles (gold plated)
- Premating contacts available on request

### Note:

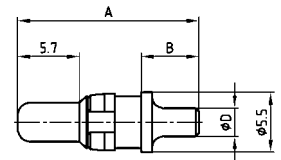
Contacts shown on this page, are for the Selection and Coding of your part number, using the Part Number Constructor on page 9|2.

### PRODUCT DRAWING

Socket contact



Plug contact



| Current rating | Termination | A     | B    | C     | Ø D  |
|----------------|-------------|-------|------|-------|------|
| 20A            | 48/68       | 15.84 | 4.60 | 15.98 | 1.95 |
| 20A            | 49/69       | 16.84 | 5.30 | 16.98 | 2.60 |
| 20A            | 50/70       | 16.24 | 4.70 | 16.38 | 2.85 |
| 30A            | 51/71       | 19.04 | 7.50 | 19.18 | 3.18 |
| 40A            | 52/72       | 17.29 | 5.75 | 17.43 | 3.75 |

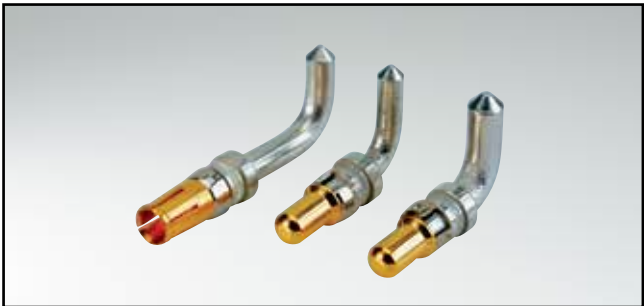
### ORDER DATA

| HIGH POWER CONTACT     |                | Quality class 3 |  | Quality class 1 |  |
|------------------------|----------------|-----------------|--|-----------------|--|
| Solder tail diameter D | Current rating | Code            |  | Code            |  |
| .077" / 1.95 mm        | 20A            | 68              |  | 48              |  |
| .102" / 2.60 mm        | 20A            | 69              |  | 49              |  |
| .112" / 2.85 mm        | 20A            | 70              |  | 50              |  |
| .125" / 3.18 mm        | 30A            | 71              |  | 51              |  |
| .148" / 3.75 mm        | 40A            | 72              |  | 52              |  |

Please select code to create a new part number.

# COMBINATION D-SUB CONTACTS

High power contacts – Solder pin – angled



RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

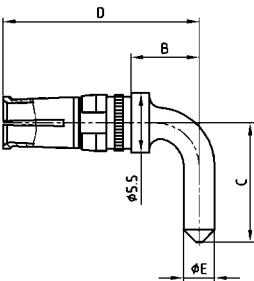
## DESCRIPTION

- Precision machined contacts
- Quality class 3: .008 μ"/0.2 μm Au in contact area
- Quality class 1: .032 μ"/0.8 μm Au in contact area
- Premating contacts available on request

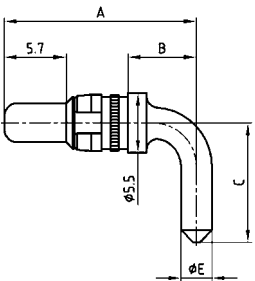
**Note:**  
Contacts shown on this page, are for the Selection and Coding of your part number, using the Part Number Constructor on page 9|2.

## PRODUCT DRAWING

Socket contact



Plug contact



| Shellsize | Current rating | Termination | A     | B     | C     | D     | Ø E  |
|-----------|----------------|-------------|-------|-------|-------|-------|------|
| 1-4       | 15A            | 55/59       | 14.54 | 3.00  | 10.50 | 14.68 | 1.90 |
| 1-4       | 20A            | 56/73       | 17.84 | 6.30  | 11.00 | 17.98 | 2.85 |
| 1-4       | 30A            | 57/74       | 26.54 | 15.00 | 9.50  | 26.68 | 3.20 |
| 1-4       | 40A            | 58/75       | 17.84 | 6.30  | 11.00 | 17.98 | 3.75 |
| 5         | 20A            | 66/81       | 20.39 | 8.85  | 14.00 | 20.53 | 2.85 |
| 5         | 30A            | 67/82       | 20.39 | 8.85  | 14.00 | 20.53 | 3.20 |
| 5         | 30A            | 65/85       | 26.54 | 15.00 | 13.50 | 26.68 | 3.20 |
| 5         | 40A            | 60/77       | 20.39 | 8.85  | 14.00 | 20.53 | 3.75 |

## ORDER DATA

| HIGH POWER CONTACT |                | Quality class 3 |  | Quality class 1 |  |
|--------------------|----------------|-----------------|--|-----------------|--|
| Shellsize          | Current rating | Code            |  | Code            |  |
| 1-4                | 15 A           | 59              |  | 55              |  |
| 1-4                | 20 A           | 73              |  | 56              |  |
| 1-4                | 30 A           | 74              |  | 57              |  |
| 1-4                | 40 A           | 75              |  | 58              |  |
| 5                  | 20 A           | 81              |  | 66              |  |
| 5                  | 30 A           | 82              |  | 67              |  |
| 5                  | 30 A           | 85              |  | 65              |  |
| 5                  | 40 A           | 77              |  | 60              |  |

Please select code to create a new part number.

# COMBINATION D-SUB CONTACTS

Coaxial contacts – Straight – Inner and outer conductor for solder connection



RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

## DESCRIPTION

- 50 and 75  $\Omega$  design
- Contact plating:
  - .008  $\mu$ "/0.2  $\mu$ m Au plating mating side inner- and outer conductor (Quality class 3)
  - other quality classes on request
- IP67 protection only in mated condition in conjunction with water resistant housing from CONEC

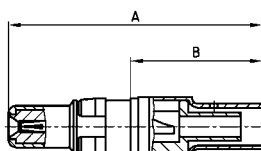
## Note:

Contacts shown on this page, are for the Selection and Coding of your part number, using the Part Number Constructor on page 9|2.

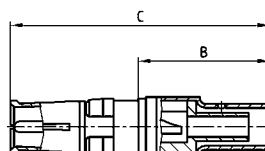
## PRODUCT DRAWING

### 50 $\Omega$ version

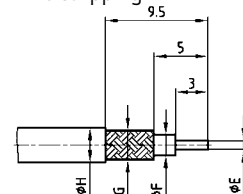
Plug contact



Socket contact



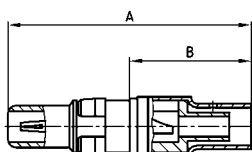
Wire stripping



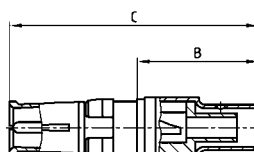
| Usable Cables RG    | A     | B     | C     | Ø E max. | Ø F max. | Ø G max. | Ø H max. |
|---------------------|-------|-------|-------|----------|----------|----------|----------|
| 178BU, 196AU, 404U  | 22.50 | 11.20 | 23.00 | 0.85     | 1.20     | 1.40     | 2.30     |
| 174U, 188AU, 316U   | 22.50 | 11.20 | 23.00 | 0.85     | 1.90     | 2.30     | 3.20     |
| 180BU               | 22.50 | 11.20 | 23.00 | 0.85     | 2.80     | 3.10     | 4.50     |
| 58CU, 141AU         | 26.30 | 14.80 | 26.80 | 1.00     | 3.00     | 3.60     | 5.20     |
| 316U double braided | 23.50 | 12.20 | 24.00 | 0.85     | 1.90     | 2.70     | 3.20     |

### 75 $\Omega$ version

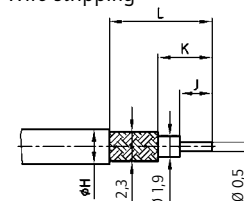
Plug contact



Socket contact



Wire stripping



| Usable Cables RG | A     | B     | C     | Ø H max. | J    | K    | L    |
|------------------|-------|-------|-------|----------|------|------|------|
| 179BU, 187AU     | 18.55 | 7.30  | 19.05 | 2.30     | 2.00 | 3.10 | 6.00 |
| 179BU, 187AU     | 22.50 | 11.20 | 23.00 | 3.20     | 3.20 | 5.00 | 9.50 |

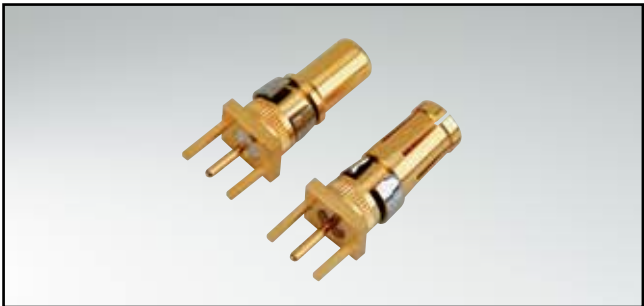
## ORDER DATA

| COAXIAL CONTACT                   |                          | Quality class 1 |  | Quality class 3 |  |
|-----------------------------------|--------------------------|-----------------|--|-----------------|--|
| Usable cable                      | Characteristic impedance | Code            |  | Code            |  |
| 178BU, 196AU, 404U                | 50 $\Omega$              | H6              |  | G2              |  |
| 174U, 188AU, 316U                 | 50 $\Omega$              | H7              |  | G3              |  |
| 180BU                             | 50 $\Omega$              | H8              |  | G4              |  |
| 58CU, 141AU                       | 50 $\Omega$              | H9              |  | G5              |  |
| 316U double braided               | 50 $\Omega$              | K1              |  | G6              |  |
| 179BU, 187AU (B= .290" / 7.3 mm)  | 75 $\Omega$              | H4              |  | F9              |  |
| 179BU, 187AU (B= .441" / 11.2 mm) | 75 $\Omega$              | H5              |  | G1              |  |

Please select code to create a new part number.

# COMBINATION D-SUB CONTACTS

Coaxial contacts – Straight – PCB termination – 3 solder pins



RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

**DESCRIPTION**

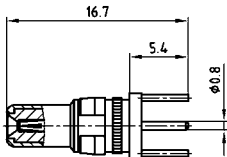
- 50 and 75 Ω design
- Contact plating:
  - .051 μ"/1.3 μm Au plating mating side inner conductor / .032 μ"/0.8 μm Au outer conductor (Quality class 1)
  - .008 μ"/0.2 μm Au plating mating side inner- and outer conductor (Quality class 3)
- IP67 protection only in mated condition in conjunction with water resistant housing from CONEC

**Note:**  
Contacts shown on this page, are for the Selection and Coding of your part number, using the Part Number Constructor on page 9|2.

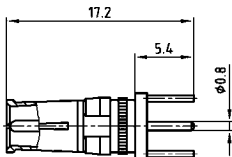
**PRODUCT DRAWING**

**50 Ω version**

Plug contact

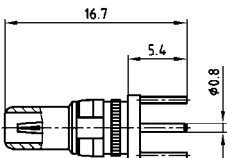


Socket contact

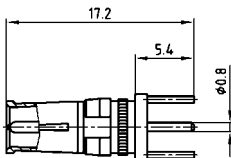
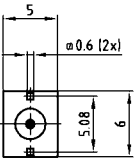


**75 Ω version**

Plug contact



Socket contact



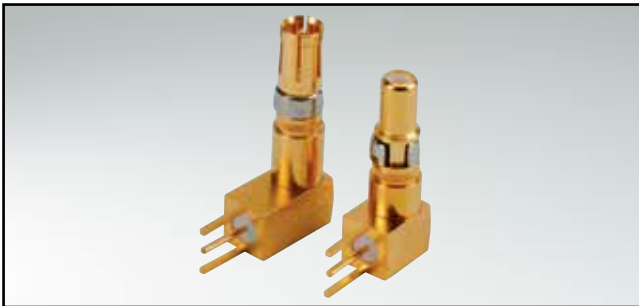
**ORDER DATA**

| COAXIAL CONTACT |                          | Quality class 1 |  | Quality class 3 |  |
|-----------------|--------------------------|-----------------|--|-----------------|--|
| Shellsize       | Characteristic impedance | Code            |  | Code            |  |
| 1-5             | 50 Ω                     | 76              |  | G7              |  |
| 1-5             | 75 Ω                     | 86              |  | G8              |  |

Please select code to create a new part number.

# COMBINATION D-SUB CONTACTS

Coaxial contacts – Angled – PCB termination – 3 solder pins



RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

## DESCRIPTION

- 50 and 75  $\Omega$  design
- Contact plating:
  - .051  $\mu$ " / 1.3  $\mu$ m Au plating mating side inner conductor /
  - .032  $\mu$ " / 0.8  $\mu$ m Au outer conductor (Quality class 1)
  - .008  $\mu$ " / 0.2  $\mu$ m Au plating mating side inner- and outer conductor (Quality class 3)
- IP67 protection only in mated condition in conjunction with water resistant shells from CONEC

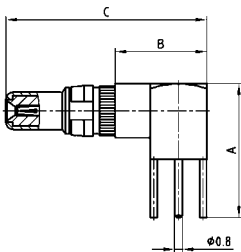
## Note:

Contacts shown on this page, are for the Selection and Coding of your part number, using the Part Number Constructor on page 9 | 2.

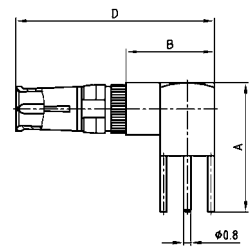
## PRODUCT DRAWING

### 50 $\Omega$ version

Plug contact

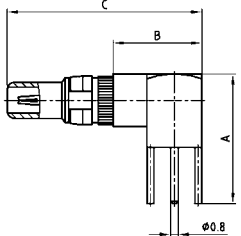


Socket contact

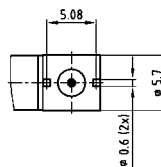
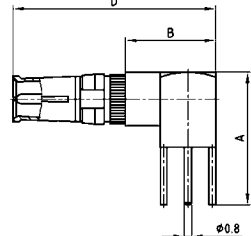


### 75 $\Omega$ version

Plug contact



Socket contact



| Shellsize | A     | B     | C     | D     | E     | F     |
|-----------|-------|-------|-------|-------|-------|-------|
| 1-4       | 13.80 | 9.30  | 20.70 | 21.20 | 11.00 | 9.30  |
| 5         | 16.80 | 11.80 | 23.20 | 23.70 | 14.00 | 11.80 |

## ORDER DATA

| COAXIAL CONTACT |                          | Quality class 1 |  | Quality class 3 |  |
|-----------------|--------------------------|-----------------|--|-----------------|--|
| Shellsize       | Characteristic impedance | Code            |  | Code            |  |
| 1-4             | 50 $\Omega$              | 78              |  | G9              |  |
| 5               | 50 $\Omega$              | 79              |  | H1              |  |
| 1-4             | 75 $\Omega$              | 88              |  | H2              |  |
| 5               | 75 $\Omega$              | 89              |  | H3              |  |

Please select code to create a new part number.

## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

### Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: [info@moschip.ru](mailto:info@moschip.ru)

Skype отдела продаж:

moschip.ru

moschip.ru\_4

moschip.ru\_6

moschip.ru\_9