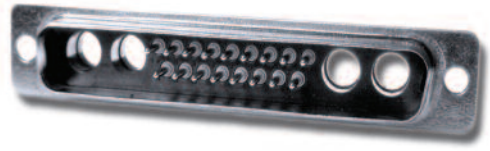
ITT

Interconnect Solutions

# Combo D







*Engineered for life*

# Cannon, VEAM, BIW

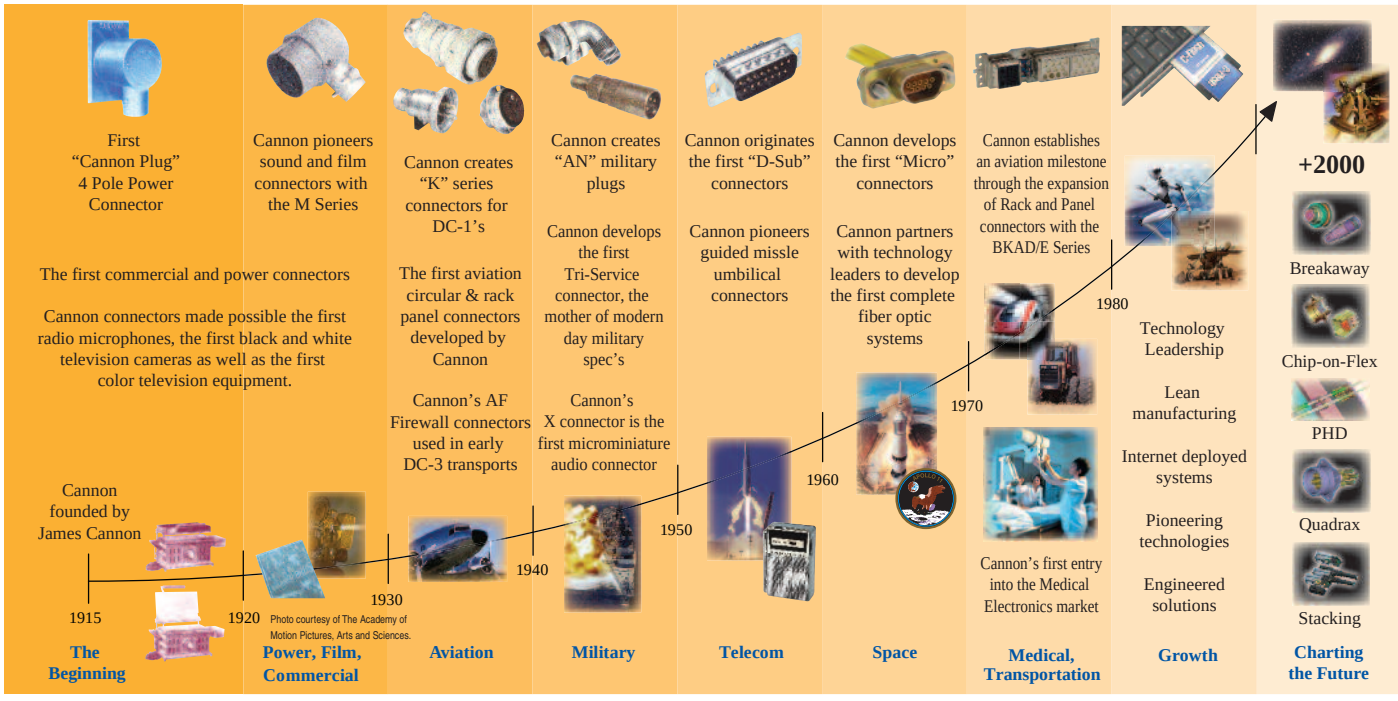
## *A Historical Achievement of Technology Leadership*

### Defining and Championing Innovation

Showcasing a portfolio of creativity, ITT's "Engineered For Life" execution embraces products which have become ubiquitous in a broad collection of markets including: Military/Aerospace, Civil Aircraft, Industrial Instrumentation, Medical, Oil & Gas, Energy, Transportation, Telecom/Handset, Computer, Consumer, and Automotive.

ITT's rich interconnect history embraces contributions to both technological breakthroughs and social movements. With one of the industry's broadest product offerings, ITT's interconnect products have supported:

- Every Free World space mission, bringing the universe to our doorstep.
- Motion picture, radio, and television equipment, serving laughter and entertainment to millions.
- Commercial and military communications systems, linking the voices of the world.
- Computerized tools, reshaping the information highway.
- Aircraft, rapid transit, and automobiles, mobilizing our expanding society.
- Oil and natural gas production, powering the world's economies.
- Agricultural equipment, attacking the roots of world hunger.



# ITT Cannon

ITT is a diversified leading manufacturer of highly engineered critical components and customized technology solutions for the energy, transportation and industrial markets. ITT's Cannon brand offers a product portfolio that remains one of the most extensive in the industry. Continuous investment in technology, research and investment have enabled us to provide new, innovative solutions to multiple end markets including Commercial Aerospace, Military & Defense, Industrial and Medical.

When you specify a Cannon cnnector, you can rely on a product designed, developed and manufactured to the highest quality and reliability standards. This tradition of excellence is based on ITT's corporate culture of operating its businesses under the principles of Six Sigma. At ITT, Six Sigma is not just a quality philosophy but a complete corporate culture that drives the entire business. Our Value BasedManagement and Value Based Product Development systems are two cornerstones that allow for the development of both leadership and product engineering principles, ensuring the correct industry leading products are developed to the accepted market driven lead times. These principles have allowed ITT to become the market leader in all of our business portfolios.

## Six Sigma Manufacturing

ITT operates manufacturing facilities in the United States, Germany, Italy, Mexico, China, Japan and the UK, all of which have particular product area strengths allowing ITT to offer a truly global footprint to our customers. Our facilities are world class and accommodate full vertical integration utilizing the latest manufacturing technologies including: automated and robotic machining centers, Super Market manufacturing cells, Kanban pull systems, and automated electrical, mechanical, and optical test and inspection equipment. The combination of our manufacturing strength and our advanced manufacturing facilities allows ITT to offer products at market driven prices. Our capabilities, especially in robotics, computer-ized precision tooling, Kaizen Project Management, Six Sigma tools, and testing, give ITT the most optimized global manufacturing footprint in the interconnect industry.

## The Custom Difference

As the industry leader in harsh environment interconnect applications, ITT's world class engineering teams will work directly with our customers to design and develop cost effective solutions for their applications. In many cases we may modify one of our standard designs to ensure a highly reliable solution where timing is critical. Yet, in those cases where a complete custom inter-connect solution is required, ITT will work with our customer's Engineers to design an interconnect solution which will be cost effective yet highly reliable. As professional consultants, our Engineering teams will provide a thorough systems and mechanical analysis of any proposed solution. These analyses provide our customers with sophisticated electrical signal and mechanical characterizations to determine the best solution for their application.

## RoHS Compliance Information

ITT has implemented a strict parts control plan for all ITT electronics plants worldwide that allows the Cannonproduct portfolio to meet the requirements of European Union Directive 2002/95/EC better know as the Reduction of Hazardous Substances initiative. As appropriate, specific Cannon products may be ordered with an R prefix number which insures our customers will receive RoHS compliant parts for their commercial electronics applications and equipment. Since most RoHS hazardous substances center around specific metal plating and lead solder coatings, ITT's products for RoHS compliance are avail-able in the following plating finishes: electroless nickel, stainless steel, Anodize over aluminum and Gold plating. It should be noted that gold plating would be recom-mended as the replacement for tin-lead solder when ordering board mount connectors.

RoHS COMPLIANT PART NUMBERS

**Combo D* Introduction** ..... 5-8

**Combo D* PCB Connectors with Coaxial Contacts**

– 90°, PCB Plug (sizes DE-DC), with metal bracket..... 9
– 90°, PCB Plug (size DD), with metal bracket. ..... 10
– 90°, PCB Receptacle (sizes DE-DC) with metal bracket..... 11
– 90°, PCB Receptacle (sizes DD) with metal bracket..... 12
– European 90°, PCB Plug (size DE-DC), with bracket. ..... 13
– European 90°, PCB Receptacle (size DE-DC), with bracket. ..... 14
– Straight PCB Plug (sizes DE-DD) ..... 15
– Straight PCB Receptacle (sizes DE-DD) ..... 16
– Straight, European solder pins (sizes DE-DD) ..... 17
– Straight, European solder socket (sizes DE-DD) ..... 18

**Combo D* PCB Connectors with High Power Contacts 40 A**

– 90°, PCB Plug (sizes DE-DC), with metal bracket..... 19
– 90°, PCB Plug (size DD), with metal bracket. ..... 20
– 90°, PCB Receptacle (sizes DE-DC) with metal bracket..... 21
– 90°, PCB Receptacle (sizes DD) with metal bracket..... 22
– 90°, PCB Plug, European footprint (sizes DE-DC), with bracket. ..... 23
– 90°, PCB Plug, European footprint (size DD), with bracket. ..... 24
– 90°, PCB Receptacle, European footprint (sizes DE-DC), with bracket. ..... 25
– 90°, PCB Receptacle, European footprint (size DD), with bracket. ..... 26
– Straight PCB Plug (sizes DE-DC) ..... 27
– Straight PCB Plug (size DD) ..... 28
– Straight PCB Receptacle (sizes DE-DC) ..... 29
– Straight PCB Receptacle (size DD) ..... 30
– Straight, European solder pins (sizes DE-DC) ..... 31
– Straight, European solder socket (sizes DE-DC) ..... 32
– Plug, Pressfit Termination ..... 33
– Receptacle, Pressfit Termination ..... 34

**Combo D* Connectors with empty Contact Cavities Size 8**

– Plug, Solder cup (sizes DE – DC) ..... 35
– Receptacle , Solder cup (Size DE-DC) ..... 36
– Plug, Crimp connectors, without contacts (sizes DE – DD) ..... 37
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– Crimp contacts size 20 .....39-40
– Loose contacts size 8 .....41-53

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**Tooling** ..... 99

**Product Safety Information** ..... 101

Combination D Subminiature connectors for the advantages of an industry standard shield I/O interconnect, with the flexibility of a customized special, designed for any application.

This connector system is ideal for applications that require optimization of space while improving overall shielding. Combo D® accomplishes this by combining multiple interconnect types into one fully shielded product, decreasing the number I/O interfaces and reducing the possibility of EMI/RFI leakage.

**Applications**
- Video Coaxial Transmission (75 )
- RF and Telecom Transmission (50 )
- Power interconnects (Up to 40 A)

**Product Features**
- Standard and European Footprints
- Pre-installed 75 /50 Coaxial or High Power contacts (One Part Number)
- Vertical Standoffs or 90° Brackets
- 90° or Straight PCB
- PC Boards up to 3,2 (.125) Thick
- PCB Variants Available with Boardlocks and/or Screw Locks (#4-40 or M3)
- Fiber Optics (PhD)
- High Voltage up to 2800 VAC

## Specifications

### Standard materials & finishes

| | |
|---|---|
| Temperature Rating | –55°C to 125°C |
| Signal Contact Current Rating | 7.5 A current capacity |
| Signal Contact Resistance | 55 millivolt max. at 7.5 test current |
| Signal Contact Dielectric Withstanding Voltage | 1250 VAC at Sea Level |
| Coaxial Current Rating | 5 A |
| Coaxial Dielectric Withstanding Voltage | 1000 VAC at Sea Level |
| Coaxial Impedance | 75 or 50 |
| Coaxial VSWR | Less than 1.40 + .03F for F up to 1GHz |
| Coaxial Insertion Loss | .2dB loss at 1 GHz |
| High Power current Rating | Up to 40 A |
| High Power Dielectric Withstanding Voltage | 1000 VAC at Sea Level |
| High Voltage Current Rating | 5 A |
| High Voltage Contact Dielectric Withstanding Voltage | 2800 V at Sea Level |

### Materials and Finishes

**Connector Assembly**

| Description | Material | Finish/Treatment |
|---|---|---|
| Shell | Carbon Steel | Tin-Nickel (Industrial), Chromate/Zinc (Military)* |
| Insulator | Black Polyester, UL 94V-0 | None |
| Pin Contact | Copper Alloy | Gold over Nickel |
| Socket Contact | Copper Alloy | Gold over Nickel |
| Standoff | Steel | Trivalent Chromate over Zinc |
| Bracket | Steel | Tin |
| Rivnut | Steel | Tin |
| Boardlock | Copper Alloy | Tin |

**Coaxial/High Power/High Voltage Contact Assemblies**

| | | |
|---|---|---|
| Contacts and outer shells | Copper Alloy | Gold over Nickel |
| Ring, Retaining | Copper Alloy | Nickel |
| Insulator (Coaxial only) | Teflon | None |
| Insulator (High Voltage only) | Thermoplastic | none |

* Cadmium and Stainless Also Available

## Materials and Finishes

| Connector Assembly (Shells- Gold over Copper) (Modifier NMBK52) | | |
|---|---|---|
| Shell | Brass per QQ-B-613 | Gold 50 microinches min., thickness per MIL-G-45204, Type II, Class1 over copper per MIL-C-14550 |
| Insulator | Polycyclohexle Dimethyl, Terephthalate or Polyphenylene, Sulfide co-polymer per 24308-Style white or black in color | None |
| Float Mount, Brackets, Captive Nuts Hardware | Brass | Gold |
| **Coaxial/High Power/High Voltage Contact Assemblies** | | |
| Outer Coaxial Shell | Copper Alloy | Gold microinches min.thickness per MIL-G-45204, Type II, Class 1 over copper per MIL-C-14550 |
| Center Coaxial Contact | Copper Alloy | Gold microinches min.thickness per MIL-G-45204, Type II, Class 1 over copper per MIL-C-14550 |
| Insulator (Coaxial only) | Teflon | None |
| Insulator (Coaxial Only) | Teflon | None |
| Retaining Ring | Copper alloy | Gold |
| High Power Contact | Copper alloy | Gold microinches min.thickness per MIL-G-45204, Type II, Class 1 over copper per MIL-C-14550 |

| Connector Assembly (Shells- Yellow Chromate over Cadmium) (Modifier "NMB") | | |
|---|---|---|
| Shell | Brass per QQ-B-613 | Yellow chromate over cadmium QQ-P-46,Type II, Class 2 |
| Insulator | Polycyclohexle Dimethyl, Terephthalate or Polyphenylene, Sulfide co-polymer per 24308-Style, white or black in color | None |
| Contact | Copper Alloy | Gold 50 microinches min. thickness per MIL-G-45204, Type II, Class 1 over copper per MIL-C-14550 |
| Float Mount, Brackets, Captive Nuts Hardware | Brass | Yellow chromate over cadmium QQ-P-416, Type II, Class 2 |

Dimensions shown in mm
Specifications and dimensions subject to change

## For Crimp, Solder Cup and PCB Type Combo-D's

Typical Part Number: DBM C 13C3 S J A197

**Product Family Designator**

D*M = Solder Cup Industrial & Space/Non-Magnetic Version
D*MM = Military/Hi-Rel Solder Cupp version (50 micro-inch gold contact plating)
D*A = Crimp Version

****Hardware Modifier**

= 0.120" (3,05mm) Through Hole
C = 90° Metal Bracket, 4-40 Fastener, & Boardlock
D = 90° Metal Bracket, 4-40 Fastener and 4-40 Screwlock
E = 4-40 Clinchnut
G = 90° Metal Bracket, 4-40 Fastener, 4-40 Screwlock, Boardlock
H = .300" (7.6mm) Standoff, 4-40 Screwlock
J = 90° Metal Bracket, Fastener, M-3 Fastener, Boardlock
K = 0.162" (4,11mm) Through Hole
L = 90° Metal Bracket, M-3 Fastener, Boardlock
N = .300" (7.6mm) Standoff, 4-40 Screwlock, Boardlock
O = 90° Metal Bracket, Fastener, M-3 Screwlock
P = 90° Metal Bracket, 4-40 Fastener
Q = .300" (7.6mm) M-3 Standoff
S = 90° Metal Bracket, M-3 Fastener
T = .300" (7.6mm) M-3 Standoff
U = .300" (7.6mm) Standoff, M-3 Screwlock, Boardlock
V = .300" (7.6mm) 4-40 Standoff
W = .300" (7.6mm) Standoff, M-3 Screwlock
X = M-3 Clinchnut
Y = Dual Float Mount
Z = .300" (7.6mm) 4-40 Standoff, Boardlock
* = Shell Sizes are E, A, B, C, D
**= Hardware Modifier not allowed with Non-Magnetic, Low Outgassing Combo-D

**Shell Modifier (Standard)**

= Carbon steel, yellow chromate over zinc
A197 = Carbon steel, tin-nickel plating (receptacles only) (*RoHS)*
K87 = Carbon steel, tin-nickel plating (plugs only) (*RoHS*)
F225 = Stainless steel shells
NMBK52 = Space/Non-Magnetic version, gold plated
A101 = Carbon Steel, Cadmium plating

**PC Tail Modifier (Standard)**

= Solder cup (D*M/D*MM; Crimp, D*A)
J = 90° Std. PCB signal contact (.170" lg by .030" )
N = Straight Std. PCB signal contact (.178 lg by .030 )
V = 90° Euro PCB signal contact (.157" lg by .024 )
Y = Straight Euro PCB signal contact (.178" lb by .024" )

**Gender**

P = Male Plug, Pin
S = Female Receptacle, Socket

**Layouts Combo-D**

E- 5W1, 2W2, 2WK2
A- 3W3, 3WK3, 7W2, 11W1
B- 5W5, 9W4, 13W3, 17W2, 21W1
C- 8W8, 13W6, 17W5, 21WA4, 25W3, 27W2
D- 24W7, 36W4, 43W2, 47W1

**Combo-D Size 8 Contact Designators:**

W**= w/o Contacts (letters below denote with contacts)
C = 75 Ohm Coax Contacts Installed
X = 50 Ohm Coax Contacts Installed
H = High Power Installed (US Standard)
P = High Power Installed (European)
V = High Voltage Installed (Cable and PCB only)
R = Mini Hi Power 90° installed

** All cable side connectors use the "W" designation (without contacts) for ordering and have size and contacts ordered separately

## Combo D European Versions

Typical Part Number: DBM E- 9C4 P-P00-1A5N- A191-K87-146

**Product Family Designator**
D*M = Combo D
= shell size E, A, B, C and D

**Hardware Modifier**
without code = 3,05mm" (.120 in.) Through Hole
E = 4-40 Clinchnut, solder cup, solder pin straight and 1A0N
N = 7.66 mm (.300 in.) with 4-40 post and pushfit, only OL4
Q = 7.66 mm (.300 in.) M3 with pushfit, only OL4
T = 7.66 mm (.300 in.) M3 standoff, only OL4
U = 7.66 mm (.300 in.) M3 post and pushfit, only OL4
V = 7.66 mm (.300 in.) 4-40 with pushfit, only OL4
X = M-3 Clinchnut, solder cup, solder pin straight and 1A0N
Y = Dual Float Mount, only solder cup
Z = .7.66 mm (.300 in.) 4-40 with pushfit, only OL4

**Layout (Total # of contacts + # of Size 8 Cavities)**
without code = Non Combo (9, 15, 25, 37, 50)
W = Empty size 8 Cavities
C = 75 Ohm Coax installed (straight or 90°)
X = 50 Ohm Coax installed (straight or 90°)
H = High power installed (straight)
P = High power installed (Euro, 90° only)
V = High voltage installed (available in straight PC only
G = Guide pin or guide socket installed

**Gender**
P = Male (plug, pin)
S = Female (receptacle, socket)

**Code only applicable for Pressfit High power #8 contacts**
P00 = Pessfit High power PCB dia 2,9 mm
P01 = Pessfit High power PCB dia 3,1 mm
P02 = Pessfit High power PCB dia 3,5 mm

**PCB Mounting Method**
146 = Pushfit for PCB hold diameter 3.0, 90° version only
162 = Pushfit for PCB hold diameter 3.2, 90° version only

**Plating Modification**
without code = Tellow chromate over zinc on shells
A197 = Tin on shells
K87 = Tin with dimples on shells (pin only)

**Contact Finishes**
without code = performance class 3 (50 mating cycles)
A191 = performance class 2 (200 mating cycles) Euro standard
A190 = performance class 1 (500 mating cycles)

**Tail Modifier**
[OL2] = No standard, please call factory
= Solder cup (size 8 contacts not loaded on these versions)
OL4 = Solder pin straight
1A0N = without mouting bracket, hole dia. 3.05 mm
1A5N = plastic bracket with bushing dia. 3.05 mm
1A6N = plastic bracket with post 4-40
1A7N = metal bracket and captive nut 4-40
1A8N = metal bracket with post 4-40
1A9N = metal bracket and captive nut M3
1ADN = plastic bracket with grounding bracket and bushing dia. 3.05 mm
1AFN = metal bracket with bushing dia. 3.05 mm
1AGN = plastic bracket with grounding bracket and post M3
1AHN = metal bracket with post M3
1AJN = plastic bracket with grounding bracket and post 4-40
1APN = plastic bracket with post M3
1ATN = plastic bracket and captive nut M3
1AUN = plastic bracket and captive nut 4-40
1AVN = plastic bracket with grounding bracket and captive nut M3
1AWN = plastic bracket with grounding bracket and captive nut 4-40
1AEN = 90° low profile metal bracket captive nut M3
1AAN = 90° low profile metal bracket captive nut 4-40
1ABN = 90° low profile metal bracket post M3
1ACN = low profile metal bracket post 4-40
1ALN = low profile metal bracket with buhing dia. 3.05 mm

Dimensions shown in mm
Specifications and dimensions subject to change

## Coaxial 90° PCB Plug, sizes DE – DC, with metal bracket

| | | INDUSTRIAL – US<br>75 Ohm* coax inserted with<br>US footprint metal bracket<br>and UNC 4-40 captive nut | | INDUSTRIAL – EU**<br>75 Ohm* coax inserted with<br>EU footprint metal bracket<br>and UNC 4-40 captive nut | | MILITARY/HI-REL – US<br>50 Ohm* coax inserted with<br>US footprint metal bracket<br>and UNC 4-40 screw lock | | NON-MAGNETIC-LOW OUTGASSING – US***<br>50 Ohm* coax inserted with<br>US footprint metal bracket<br>and UNC 4-40 screw lock | |
|---|---|---|---|---|---|---|---|---|---|
| **Shell size** | **Layout** | **P/N without Boardlock** | **P/N with Boardlock** | **P/N without Boardlock** | **P/N with Boardlock** | **P/N without Boardlock** | **P/N with Boardlock** | **P/N with Cadmium Plating** | **P/N with Gold Plating** |
| DE | 2W2 | DEMP2C2P-JK87 | DEMC2C2P-JK87 | DEMP2C2P-VK87 | DEMC2C2P-VK87 | DEMMD2X2P-J | DEMMG2X2P-J | DEM2X2P-JNMB | DEM2X2P-JNMBK52 |
| DE | 2WK2 | DEMP2CK2P-JK87 | DEMC2CK2P-JK87 | DEMP2CK2P-VK87 | DEMC2CK2P-VK87 | DEMMD2XK2P-J | DEMMG2XK2P-J | DEM2XK2P-JNMB | DEM2XK2P-JNMBK52 |
| DE | 5W1 | DEMP5C1P-JK87 | DEMC5C1P-JK87 | DEMP5C1P-VK87 | DEMC5C1P-VK87 | DEMMD5X1P-J | DEMMG5X1P-J | DEM5X1P-JNMB | DEM5X1P-JNMBK52 |
| DA | 7W2 | DAMP7C2P-JK87 | DAMC7C2P-JK87 | DAMP7C2P-VK87 | DAMC7C2P-VK87 | DAMMD7X2P-J | DAMMG7X2P-J | DAM7X2P-JNMB | DAM7X2P-JNMBK52 |
| DA | 11W1 | DAMP11C1P-JK87 | DAMC11C1P-JK87 | DAMP11C1P-VK87 | DAMC11C1P-VK87 | DAMMD11X1P-J | DAMMG11X1P-J | DAM11X1P-JNMB | DAM11X1P-JNMBK52 |
| DA | 3W3 | DAMP3C3P-JK87 | DAMC3C3P-JK87 | DAMP3C3P-VK87 | DAMC3C3P-VK87 | DAMMD3X3P-J | DAMMG3X3P-J | DAM3X3P-JNMB | DAM3X3P-JNMBK52 |
| DA | 3WK3 | DAMP3CK3P-JK87 | DAMC3CK3P-JK87 | DAMP3CK3P-VK87 | DAMC3CK3P-VK87 | DAMMD3XK3P-J | DAMMG3XK3P-J | DAM3XK3P-JNMB | DAM3XK3P-JNMBK52 |
| DB | 5W5 | DBMP5C5P-JK87 | DBMC5C5P-JK87 | DBMP5C5P-VK87 | DBMC5C5P-VK87 | DBMMD5X5P-J | DBMMG5X5P-J | DBM5X5P-JNMB | DBM5X5P-JNMBK52 |
| DB | 9W4 | DBMP9C4P-JK87 | DBMC9C4P-JK87 | DBMP9C4P-VK87 | DBMC9C4P-VK87 | DBMMD9X4P-J | DBMMG9X4P-J | DBM9X4P-JNMB | DBM9X4P-JNMBK52 |
| DB | 13W3 | DBMP13C3P-JK87 | DBMC13C3P-JK87 | DBMP13C3P-VK87 | DBMC13C3P-VK87 | DBMMD13X3P-J | DBMMG13X3P-J | DBM13X3P-JNMB | DBM13X3P-JNMBK52 |
| DB | 17W2 | DBMP17C2P-JK87 | DBMC17C2P-JK87 | DBMP17C2P-VK87 | DBMC17C2P-VK87 | DBMMD17X2P-J | DBMMG17X2P-J | DBM17X2P-JNMB | DBM17X2P-JNMBK52 |
| DB | 21W1 | DBMP21C1P-JK87 | DBMC21C1P-JK87 | DBMP21C1P-VK87 | DBMC21C1P-VK87 | DBMMD21X1P-J | DBMMG21X1P-J | DBM21X1P-JNMB | DBM21X1P-JNMBK52 |
| DC | 8W8 | DCMP8C8P-JK87 | DCMC8C8P-JK87 | DCMP8C8P-VK87 | DCMC8C8P-VK87 | DCMMD8X8P-J | DCMMG8X8P-J | DCM8X8P-JNMB | DCM8X8P-JNMBK52 |
| DC | 13W6 | DCMP13C6P-JK87 | DCMC13C6P-JK87 | DCMP13C6P-VK87 | DCMC13C6P-VK87 | DCMMD13X6P-J | DCMMG13X6P-J | DCM13X6P-JNMB | DCM13X6P-JNMBK52 |
| DC | 17W5 | DCMP17C5P-JK87 | DCMC17C5P-JK87 | DCMP17C5P-VK87 | DCMC17C5P-VK87 | DCMMD17X5P-J | DCMMG17X5P-J | DCM17X5P-JNMB | DCM17X5P-JNMBK52 |
| DC | 21WA4 | DCMP21CA4P-JK87 | DCMC21CA4P-JK87 | DCMP21CA4P-VK87 | DCMC21CA4P-VK87 | DCMMD21XA4P-J | DCMMG21XA4P-J | DCM21CX4P-JNMB | DCM21XA4P-JNMBK52 |
| DC | 25W3 | DCMP25C3P-JK87 | DCMC25C3P-JK87 | DCMP25C3P-VK87 | DCMC25C3P-VK87 | DCMMD25X3P-J | DCMMG25X3P-J | DCM25X3P-JNMB | DCM25X3P-JNMBK52 |
| DC | 27W2 | DCMP27C2P-JK87 | DCMC27C2P-JK87 | DCMP27C2P-VK87 | DCMC27C2P-VK87 | DCMMD27X2P-J | DCMMG27X2P-J | DCM27X2P-JNMB | DCM27X2P-JNMBK52 |

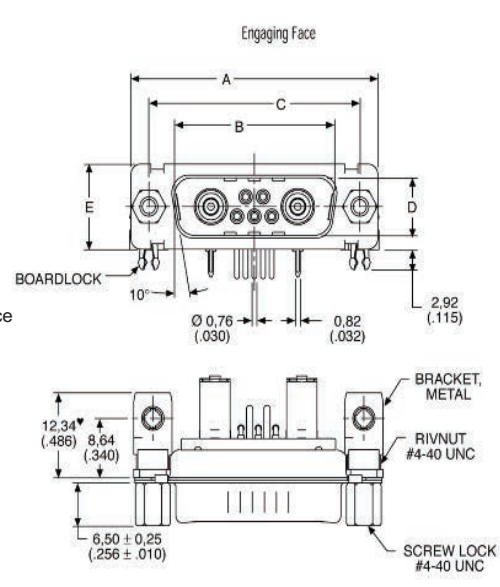
* For 50 ohm coaxial inserts replace C with X, e.g.:DCM13**C**6P-J becomes DCM13**X**6P-J. **For M-3 hardware, see part number designator, page 7.

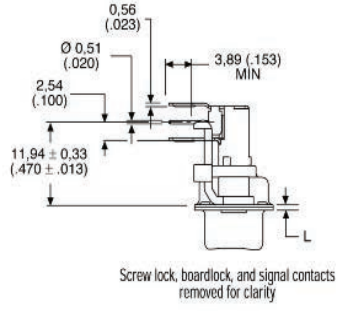
*** Hardware Modifier not allowed with Non Magnetic/ Low Outgassing Combo-D- Contact factory for more information

### Plug

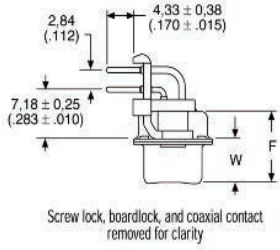
- For contact cavity arrangements, see page 61.
- For pcb hole pattern, see pages 67-68.
- For mounting methods, see pages 59-60.

For 50 ohm coaxial version, see readers resource section page 63..



Screw lock, boardlock, and signal contacts removed for clarity



Screw lock, boardlock, and coaxial contact removed for clarity

### Dimensions

| Shell size | A ± 0,38 (.015) | B ± 0,13 (.005) | C ± 0,13 (.005) | D ± 0,13 (.005) | E ± 0,38 (.015) | F ± 0,25 (.010) | W ± 0,368 (.0145) | W ± 0,41 (.016) | L ± 0,25 (.010) |
|---|---|---|---|---|---|---|---|---|---|
| DE | 30,81 (1.213) | 16,92 (.665) | 24,99 (.984) | 8,36 (.329) | 12,55 (.494) | 10,72 (.422) | 6,693 (.2635) | — | 0,76 (.030) |
| DA | 39,14 (1.541) | 25,25 (.994) | 33,32 (1.312) | 8,36 (.329) | 12,55 (.494) | 10,72 (.422) | 6,693 (.2635) | — | 0,76 (.030) |
| DB | 53,04 (2.088) | 38,96 (1.534) | 47,04 (1.852) | 8,36 (.329) | 12,55 (.494) | 10,82 (.426) | — | 6,84 (.269) | 0,99 (.039) |
| DC | 69,32 (2.729) | 55,42 (2.182) | 63,50 (2,500) | 8,36 (.329) | 12,55 (.494) | 10,82 (.426) | — | 6,84 (.269) | 0,99 (.039) |

ITT

Dimensions shown in mm
Specifications and dimensions subject to change

## Coaxial 90° PCB Plug, size DD, with metal bracket

| | | INDUSTRIAL – US<br>75 Ohm* coax inserted with<br>US footprint metal bracket<br>and UNC 4-40 captive nut | | INDUSTRIAL – EU**<br>75 Ohm* coax inserted with<br>EU footprint metal bracket<br>and UNC 4-40 captive nut | | MILITARY/HI-REL – US<br>50 Ohm* coax inserted with<br>US footprint metal bracket<br>and UNC 4-40 screw lock | | NON-MAGNETIC/LOW OUTGASSING-EU***<br>50 Ohm* coax inserted with<br>US footprint metal bracket<br>and UNC 4-40 screw lock | |
|---|---|---|---|---|---|---|---|---|---|
| **Shell size** | **Layout** | **P/N without Boardlock** | **P/N with Boardlock** | **P/N without Boardlock** | **P/N with Boardlock** | **P/N without Boardlock** | **P/N with Boardlock** | **P/N with Cadmium Plating** | **P/N with Gold Plating** |
| DD | 24W7 | DDMP24C7P-JK87 | DDMC24C7P-JK87 | DDMP24C7P-VK87 | DDMC24C7P-VK87 | DDMMD24X7P-J | DDMMG24X7P-J | DDM24X7P-JNMB | DDM24X7P-JNMBK52 |
| DD | 36W4 | DDMP36C4P-JK87 | DDMC36C4P-JK87 | DDMP36C4P-VK87 | DDMC36C4P-VK87 | DDMMD36X4P-J | DDMMG36X4P-J | DDM36X4P-JNMB | DDM36X4P-JNMBK52 |
| DD | 43W2 | DDMP43C2P-JK87 | DDMC43C2P-JK87 | DDMP43C2P-VK87 | DDMC43C2P-VK87 | DDMMD43X2P-J | DDMMG43X2P-J | DDM43X2P-JNMB | DDM43X2P-JNMBK52 |
| DD | 47W1 | DDMP47C1P-JK87 | DDMC47C1P-JK87 | DDMP47C1P-VK87 | DDMC47C1P-VK87 | DDMMD47X1P-J | DDMMG47X1P-J | DDM47X1P-JNMB | DDM47X1P-JNMBK52 |

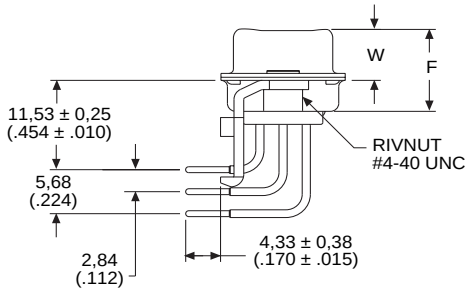
* For 50 ohm coaxial inserts replace C with X, e.g.:DCM13**C**6P-J becomes DCM13**X**6P-J. **For M-3 hardware, see part number designator, page 7.

*** Hardware Modifier not allowed with Non Magnetic/ Low Outgassing Combo-D- Contact factory for more information

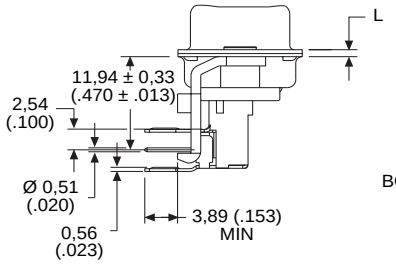
### Plug



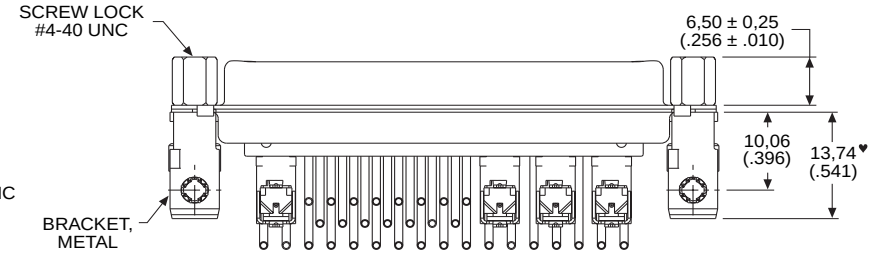
- For contact cavity arrangements, see page 61.
- For pcb hole pattern, see pages 67-68.
- For mounting methods, see pages 59-60.



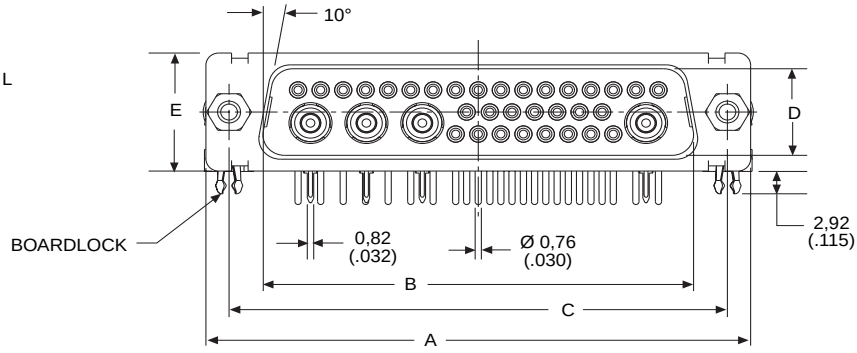

Screw lock, boardlock, and coaxial contact removed for clarity




Screw lock, boardlock, and signal contacts removed for clarity




Engaging Face




US version shown – for EU version, please contact factory.

Note: Dimension varies with alternate bracket configuration, see Reader's Resource page 64.

For 50 ohm coaxial version, see readers resource section, page 63.

### Dimensions

| Shell size | A ± 0,38 (.015) | B ± 0,13 (.005) | C ± 0,13 (.005) | D ± 0,13 (.005) | E ± 0,38 (.015) | F ± 0,25 (.010) | W ± 0,41 (.015) | L ± 0,25 (.010) |
|---|---|---|---|---|---|---|---|---|
| DD | 66,93 (2.635) | 52,81 (2.079) | 61,11 (2,406) | 11,07 (.436) | 15,37 (.605) | 10,82 (.426) | 6,84 (.269) | 0,99 (.039) |

Dimensions shown in mm
Specifications and dimensions subject to change

## Coaxial 90° PCB Receptacle, sizes DE – DC, with metal bracket

| | | INDUSTRIAL – US<br>75 Ohm* coax inserted with<br>US Footprint metal bracket<br>and UNC 4-40 captive nut | | INDUSTRIAL – EU**<br>75 Ohm* coax inserted with<br>EU Footprint metal bracket<br>and UNC 4-40 captive nut | | MILITARY/HI-REL – US<br>50 Ohm* coax inserted with<br>US Footprint metal bracket<br>and UNC 4-40 screw lock | | NON-MAGNETIC/LOW OUTGASSING – US***<br>50 Ohm* coax inserted with<br>US Footprint metal bracket<br>and UNC 4-40 screw lock | |
|---|---|---|---|---|---|---|---|---|---|
| **Shell size** | **Layout** | **P/N without Boardlock** | **P/N with Boardlock** | **P/N without Boardlock** | **P/N with Boardlock** | **P/N without Boardlock** | **P/N with Boardlock** | **P/N with Cadmium Plating** | **P/N with Gold Plating** |
| DE | 2W2 | DEMP2C2S-JA197 | DEMC2C2S-JA197 | DEMP2C2S-VA197 | DEMC2C2S-VA197 | DEMMP2X2S-J | DEMMC2X2S-J | DEM2X2S-JNMB | DEM2X2S-JNMBK52 |
| DE | 2WK2 | DEMP2CK2S-JA197 | DEMC2CK2S-JA197 | DEMP2CK2S-VA197 | DEMC2CK2S-VA197 | DEMMP2XK2S-J | DEMMC2XK2S-J | DEM2XK2S-JNMB | DEM2XK2S-JNMBK52 |
| DE | 5W1 | DEMP5C1S-JA197 | DEMC5C1S-JA197 | DEMP5C1S-VA197 | DEMC5C1S-VA197 | DEMMP5X1S-J | DEMMC5X1S-J | DEM5X1S-JNMB | DEM5X1S-JNMBK52 |
| DA | 7W2 | DAMP7C2S-JA197 | DAMC7C2S-JA197 | DAMP7C2S-VA197 | DAMC7C2S-VA197 | DAMMP7X2S-J | DAMMC7X2S-J | DAM7X7S-JNMB | DAM7X2S-JNMBK52 |
| DA | 11W1 | DAMP11C1S-JA197 | DAMC11C1S-JA197 | DAMP11C1S-VA197 | DAMC11C1S-VA197 | DAMMP11X1S-J | DAMMC11X1S-J | DAM11X1S-JNMB | DAM11X1S-JNMBK52 |
| DA | 3W3 | DAMP3C3S-JA197 | DAMC3C3S-JA197 | DAMP3C3S-VA197 | DAMC3C3S-VA197 | DAMMP3X3S-J | DAMMC3X3S-J | DAM3X3S-JNMB | DAM3X3S-JNMBK52 |
| DA | 3WK3 | DAMP3CK3S-JA197 | DAMC3CK3S-JA197 | DAMP3CK3S-VA197 | DAMC3CK3S-VA197 | DAMMP3XK3S-J | DAMMC3XK3S-J | DAM3XK3S-JNMB | DAM3XK3S-JNMBK52 |
| DB | 5W5 | DBMP5C5S-JA197 | DBMC5C5S-JA197 | DBMP5C5S-VA197 | DBMC5C5S-VA197 | DBMMP5X5S-J | DBMMC5X5S-J | DBM5X5S-JNMB | DBM5X5S-JNMBK52 |
| DB | 9W4 | DBMP9C4S-JA197 | DBMC9C4S-JA197 | DBMP9C4S-VA197 | DBMC9C4S-VA197 | DBMMP9X4S-J | DBMMC9X4S-J | DBM9X4S-JNMB | DBM9X4S-JNMBK52 |
| DB | 13W3 | DBMP13C3S-JA197 | DBMC13C3S-JA197 | DBMP13C3S-VA197 | DBMC13C3S-VA197 | DBMMP13X3S-J | DBMMC13X3S-J | DBM13X3S-JNMB | DBM13X3S-JNMBK52 |
| DB | 17W2 | DBMP17C2S-JA197 | DBMC17C2S-JA197 | DBMP17C2S-VA197 | DBMC17C2S-VA197 | DBMMP17X2S-J | DBMMC17X2S-J | DBM17X2S-JNMB | DBM17X2S-JNMBK52 |
| DB | 21W1 | DBMP21C1S-JA197 | DBMC21C1S-JA197 | DBMP21C1S-VA197 | DBMC21C1S-VA197 | DBMMP21X1S-J | DBMMC21X1S-J | DBM21X1S-JNMB | DBM21X1S-JNMBK52 |
| DC | 8W8 | DCMP8C8S-JA197 | DCMC8C8S-JA197 | DCMP8C8S-VA197 | DCMC8C8S-VA197 | DCMMP8X8S-J | DCMMC8X8S-J | DCM8X8S-JNMB | DCM8X8S-JNMBK52 |
| DC | 13W6 | DCMP13C6S-JA197 | DCMC13C6S-JA197 | DCMP13C6S-VA197 | DCMC13C6S-VA197 | DCMMP13X6S-J | DCMMC13X6S-J | DCM13X6S-JNMB | DCM13X6S-JNMBK52 |
| DC | 17W5 | DCMP17C5S-JA197 | DCMC17C5S-JA197 | DCMP17C5S-VA197 | DCMC17C5S-VA197 | DCMMP17X5S-J | DCMMC17X5S-J | DCM17X5S-JNMB | DCM17X5S-JNMBK52 |
| DC | 21WA4 | DCMP21CA4S-JA197 | DCMC21CA4S-JA197 | DCMP21CA4S-VA197 | DCMC21CA4S-VA197 | DCMMP21XA4S-J | DCMMC21XA4S-J | DCM21XA4S-JNMB | DCM21XA4S-JNMBK52 |
| DC | 25W3 | DCMP25C3S-JA197 | DCMC25C3S-JA197 | DCMP25C3S-VA197 | DCMC25C3S-VA197 | DCMMP25X3S-J | DCMMC25X3S-J | DCM25X3S-JNMB | DCM25X3S-JNMBK52 |
| DC | 27W2 | DCMP27C2S-JA197 | DCMC27C2S-JA197 | DCMP27C2S-VA197 | DCMC27C2S-VA197 | DCMMP27X2S-J | DCMMC27X2S-J | DCM27X2S-JNMB | DCM27X2S-JNMBK52 |

* For 50 ohm coaxial inserts replace C with X, e.g.:DCM13**C**6S-J becomes DCM13**X**6S-J. **For M-3 and other hardware options, see part number designator, page 7.

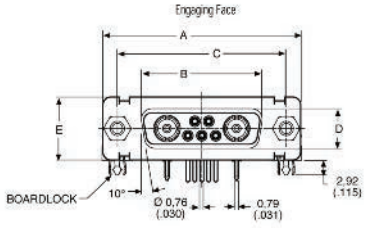
*** Hardware Modifier not allowed with Non Magnetic/ Low Outgassing Combo-D- Contact factory for more information

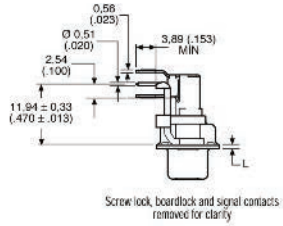
### Receptacle

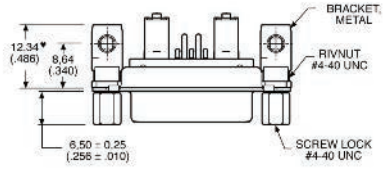


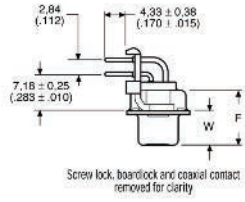
US version shown – for EU version, please see page 14.
For 50 ohm coaxial version, see readers resource section, page 63.

- For contact cavity arrangements, see page 62.
- For pcb hole pattern, see pages 69-71.
- For mounting methods, see pages 59-60.




### Dimensions

| Shell size | A<br>± 0,38 (.015) | B<br>± 0,13 (.005) | C<br>± 0,13 (.005) | D<br>± 0,13 (.005) | E<br>± 0,38 (.015) | F<br>± 0,25 (.010) | W<br>± 0,38 (.015) | L<br>± 0,25 (.010) |
|---|---|---|---|---|---|---|---|---|
| **DE** | 30,81 (1.213) | 16,33 (.643) | 24,99 (.984) | 7,90 (.311) | 12,55 (.494) | 10,90 (.429) | 6,94 (.273) | 0,76 (.030) |
| **DA** | 39,14 (1.541) | 24,65 (.971) | 33,32 (1.312) | 7,90 (.311) | 12,55 (.494) | 10,90 (.429) | 6,94 (.273) | 0,76 (.030) |
| **DB** | 53,04 (2.088) | 38,38 (1.511) | 47,04 (1.852) | 7,90 (.311) | 12,55 (.494) | 10,90 (.429) | 6,94 (.273) | 0,76 (.030) |
| **DC** | 69,32 (2.729) | 54,84 (2.159) | 63,50 (2,500) | 7,90 (.311) | 12,55 (.494) | 10,90 (.429) | 6,94 (.273) | 0,76 (.030) |

ITT

Dimensions shown in mm
Specifications and dimensions subject to change

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## Coaxial 90° PCB Receptacle, size DD, with metal bracket

| | | INDUSTRIAL – US<br>75 Ohm* coax inserted with<br>US Footprint metal bracket<br>and UNC 4-40 captive nut | | INDUSTRIAL – EU**<br>75 Ohm* coax inserted with<br>EU Footprint metal bracket<br>and UNC 4-40 captive nut | | MILITARY/HI-REL – US<br>75 Ohm* coax inserted with<br>US Footprint metal bracket<br>and UNC 4-40 screw lock | | NON-MAGNETIC/LOW OUTGASSING – US***<br>75 Ohm* coax inserted with<br>US Footprint metal bracket<br>and UNC 4-40 screw lock | |
|---|---|---|---|---|---|---|---|---|---|
| **Shell size** | **Layout** | **P/N without Boardlock** | **P/N with Boardlock** | **P/N without Boardlock** | **P/N with Boardlock** | **P/N without Boardlock** | **P/N with Boardlock** | **P/N with Cadmium Plating** | **P/N with Gold Plating** |
| DD | 24W7 | DDMP24C7S-JA197 | DDMC24C7S-JA197 | DDMP24C7S-VA197 | DDMC24C7S-VA197 | DDMMD24X7S-J | DDMMG24X2S-J | DDM24X7S-JNMB | DDM24X7S-JNMBK52 |
| DD | 36W4 | DDMP36C4S-JA197 | DDMC36C4S-JA197 | DDMP36C4S-VA197 | DDMC36C4S-VA197 | DDMMD36X4S-J | DDMMG36X1S-J | DDM36X4S-JNMB | DDM36X4S-JNMBK52 |
| DD | 43W2 | DDMP43C2S-JA197 | DDMC43C2S-JA197 | DDMP43C2S-VA197 | DDMC43C2S-VA197 | DDMMD43X2S-J | DDMMG43X2S-J | DDM43X7S-JNMB | DDM43X2S-JNMBK52 |
| DD | 47W1 | DDMP47C1S-JA197 | DDMC47C1S-JA197 | DDMP47C1S-VA197 | DDMC47C1S-VA197 | DDMMD47X1S-J | DDMMG47X1S-J | DDM47X1S-JNMB | DDM47X1S-JNMBK52 |

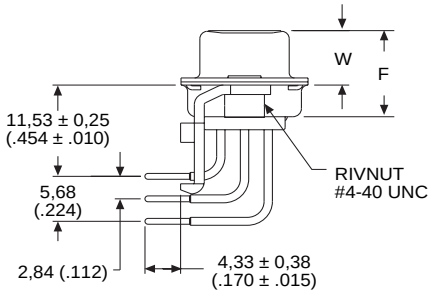
* For 50 ohm coaxial inserts replace C with X, e.g.:DCM13**C**6 becomes DCM13**X**6S-JA197 **For M-3 and other hardware options, see part number designator, page 7.

*** Hardware Modifier not allowed with Non Magnetic/ Low Outgassing Combo-D- Contact factory for more information

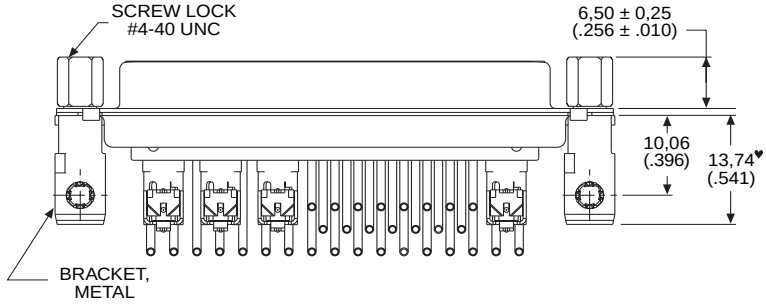
### Receptacle

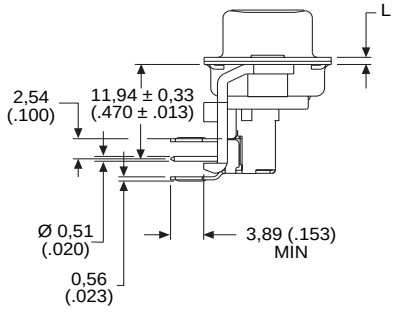


- For contact cavity arrangements, see page 62.
- For pcb hole pattern, see pages 69-71.
- For mounting methods, see pages 59-60.

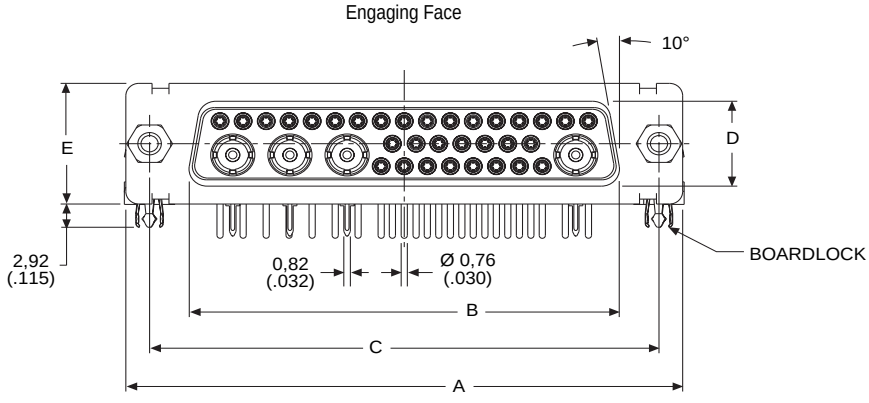



Screw lock, boardlock, and coaxial contacts removed for clarity




Screw lock, boardlock, and signal contacts removed for clarity




Note: Dimension varies with alternate bracket configuration, see Reader's Resource page 64.

US version shown – for EU version, please see contact factory.
For 50 ohm coaxial version, see readers resource section, page 63.

### Dimensions

| Shell size | A ± 0,38 (.015) | B ± 0,13 (.005) | C ± 0,13 (.005) | D ± 0,13 (.005) | E ± 0,38 (.015) | F ± 0,25 (.010) | W ± 0,38 (.015) | L ± 0,25 (.010) |
|---|---|---|---|---|---|---|---|---|
| DD | 66,93 (2.635) | 52,42 (2.064) | 61,11 (2,406) | 10,74 (.423) | 15,37 (.605) | 10,90 (.429) | 6,94 (.273) | 0,76 (.030) |

Dimensions shown in mm
Specifications and dimensions subject to change

# Coaxial 90° PCB Plug, sizes DE – DC, with bracket

| Shell size | Layout | 75 Ohm part numbers with bracket and captive nut M3 Plastic Bracket | Metal Bracket | 75 Ohm part numbers with bracket with bushing dia. 3,05 Plastic Bracket | Metal Bracket | 75 Ohm part number with bracket with post M3 Plastic Bracket | Metal Bracket |
|---|---|---|---|---|---|---|---|
| DE | 2W2 | DEM-2C2P-1ATN-A191-K87 | DEM02C2P-1A9N-A191-K87 | DEM-2C2P-1A5N-A191-K87 | DEM-2C2P-1AFN-A191-K87 | DEM-2C2P-APN-A191-K87 | DEM-2C2P-1AHN-A191-K87 |
| DE | 2WK2 | DEM-2CK2P-1ATN-A191-K87 | DEM02CK2P-1A9N-A191-K87 | DEM-2CK2P-1A5N-A191-K87 | DEM-2CK2P-1AFN-A191-K87 | DEM-2CK2P-APN-A191-K87 | DEM-2CK2P-1AHN-A191-K87 |
| DE | 5W1 | DEM-5C1P-1ATN-A191- K87 | DEM-5C1P-1A9N-A191-K87 | DEM-5C1P-1A5N-A191-K87 | DEM-5C1P-1AFN-A191-K87 | DEM-5C1P-APN-A191-K87 | DEM-5C1P-1AHN-A191-K87 |
| DA | 7W2 | DAM-7C2P-1ATN-A191-K87 | DAM-7C2P-1A9N-A191-K87 | DAM-7C2P-1A5N-A191-K87 | DAM-7C2P-1AFN-A191-K87 | DAM-7C2P-1APN-A191-K87 | DAM-7C2P-1AHN-A191-K87 |
| DA | 11W1 | DAM-11C1P-1ATN-A191-K87 | DAM-11C1P-1A9N-A191-K87 | DAM-11C1P-1A5N-A191-K87 | DAM-11C1P-1AFN-A191-K87 | DAM-11C1P-1APN-A191-K87 | DAM-11C1P-1AHN-A191-K87 |
| DA | 3W3 | DAM-3C3P-1ATN-A191-K87 | DAM-3C3P-1A9N-A191-K87 | DAM-3C3P-1A5N-A191-K87 | DAM-3C3P-1AFN-A191-K87 | DAM-3C3P-1APN-A191-K87 | DAM-3C3P-1AHN-A191-K87 |
| DA | 3WK3 | DAM-3CK3P-1ATN-A191-K87 | DAM-3CK3P-1A9N-A191-K87 | DAM-3CK3P-1A5N-A191-K87 | DAM-3CK3P-1AFN-A191-K87 | DAM-3CK3P-1APN-A191-K87 | DAM-3CK3P-1AHN-A191-K87 |
| DB | 5W5 | DBM-5C5P-1ATN-A191-K87 | DBM-5C5P-1A9N-A191-K87 | DBM-5C5P-1A5N-A191-K87 | DBM-5C5P-1AFN-A191-K87 | DBM-5C5P-1APN-A191-K87 | DBM-5C5P-1AHN-A191-K87 |
| DB | 9W4 | DBM-9C4P-1ATN-A191-K87 | DBM-9C4P-1A9N-A191-K87 | DBM-9C4P-1A5N-A191-K87 | DBM-9C4P-1AFN-A191-K87 | DBM-9C4P-1APN-A191-K87 | DBM-9C4P-1AHN-A191-K87 |
| DB | 13W3 | DBM-13C3P-1ATN-A191-K87 | DBM-13C3P-1A9N-A191-K87 | DBM-13C3P-1A5N-A191-K87 | DBM-13C3P-1AFN-A191-K87 | DBM-13C3P-1APN-A191-K87 | DBM-13C3P-1AHN-A191-K87 |
| DB | 17W2 | DBM-17C2P-1ATN-A191-K87 | DBM-17C2P-1A9N-A191-K87 | DBM-17C2P-1A5N-A191-K87 | DBM-17C2P-1AFN-A191-K87 | DBM-17C2P-1APN-A191-K87 | DBM-17C2P-1AHN-A191-K87 |
| DB | 21W1 | DBM-21C1P-1ATN-A191-K87 | DBM-21C1P-1A9N-A191-K87 | DBM-21C1P-1A5N-A191-K87 | DBM-21C1P-1AFN-A191-K87 | DBM-21C1P-1APN-A191-K87 | DBM-21C1P-1AHN-A191-K87 |
| DC | 8W8 | DCM-8C8P-1ATN-A191-K87 | DCM-8C8P-1A9N-A191-K87 | DCM-8C8P-1A5N-A191-K87 | DCM-8C8P-1AFN-A191-K87 | DCM-8C8P-1APN-A191-K87 | DCM-8C8P-1AHN-A191-K87 |
| DC | 13W6 | DCM-13C6P-1ATN-A191-K87 | DCM-13C6P-1A9N-A191-K87 | DCM-13C6P-1A5N-A191-K87 | DCM-13C6P-1AFN-A191-K87 | DCM-13C6P-1APN-A191-K87 | DCM-13C6P-1AHN-A191-K87 |
| DC | 17W5 | DCM-17C5P-1ATN-A191-K87 | DCM-17C5P-1A9N-A191-K87 | DCM-17C5P-1A5N-A191-K87 | DCM-17C5P-1AFN-A191-K87 | DCM-17C5P-1APN-A191-K87 | DCM-17C5P-1AHN-A191-K87 |
| DC | 21WA4 | DCM-21CA4P-1ATN-A191-K87 | DCM-21CA4P-1A9N-A191-K87 | DCM-21CA4P-1A5N-A191-K87 | DCM-21CA4P-1AFN-A191-K87 | DCM-21CA4P-1APN-A191-K87 | DCM-21CA4P-1AHN-A191-K87 |
| DC | 25W3 | DCM-25C3P-1ATN-A191-K87 | DCM-25C3P-1A9N-A191-K87 | DCM-25C3P-1A5N-A191-K87 | DCM-25C3P-1AFN-A191-K87 | DCM-25C3P-1APN-A191-K87 | DCM-25C3P-1AHN-A191-K87 |
| DC | 27W2 | DCM-27C2P-1ATN-A191-K87 | DCM-27C2P-1A9N-A191-K87 | DCM-27C2P-1A5N-A191-K87 | DCM-27C2P-1AFN-A191-K87 | DCM-27C2P-1APN-A191-K87 | DCM-27C2P-1AHN-A191-K87 |

For performance class 1 replace A191 with A190.
For performance class 3 delete A191.

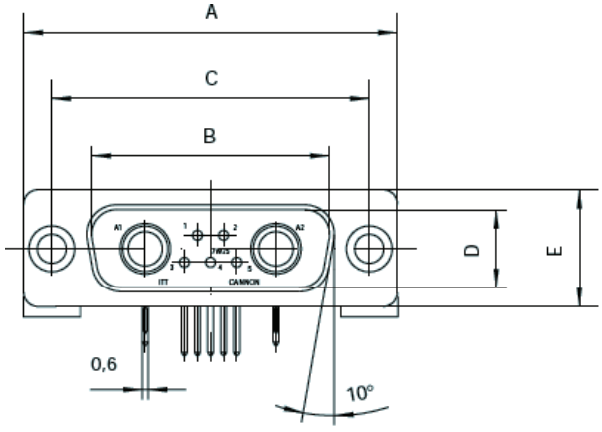
For 50 ohm coaxial replace C with X, Example:
DCM-13**C**6P-1AFN-A191-K87-146 becomes
DCM-13**X**6P-1AFN-A191-K87-146.

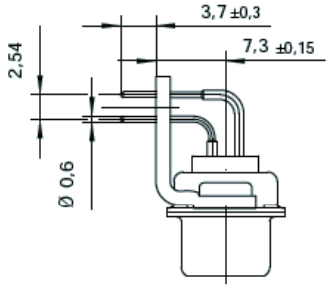
For pushfit add -146 modifier.
For pushfit 90° pcb hole diameter 3,2 replace 146 with 162.

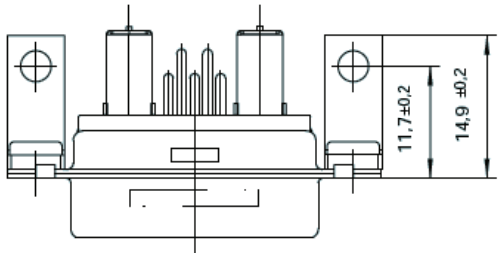
## Plug

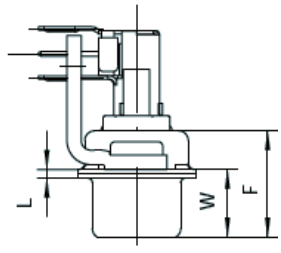


- For contact cavity arrangements, see page 61.
- For pcb hole pattern, see pages 72-73.
- For mounting methods, see pages 59-60.




## Dimensions

| Shell size | A ± 0,38 (.015) | B ± 0,13 (.005) | C ± 0,13 (.005) | D ± 0,13 (.005) | E ± 0,38 (.015) | F ± 0,25 (.010) | W ± 0,25 (.010) | L ± 0,38 (.015) |
|---|---|---|---|---|---|---|---|---|
| DE | 30,8 (1.213) | 16,9 (.665) | 25,0 (.984) | 8,35 (.329) | 12,55 (.494) | 10,7 (.421) | 6.7 (.264) | 0,8 (.031) |
| DA | 39,15 (1.541) | 25,5 (.994) | 33,33 (1.311) | 8,35 (.329) | 12,55 (.494) | 10,7 (.421) | 6.7 (.264) | 0,8 (.031) |
| DB | 53,05 (2.089) | 38,95 (1.533) | 47,05 (1.852) | 8,35 (.329) | 12,55 (.494) | 10,8 (.425) | 6.8 (.268) | 0,9 (.035) |
| DC | 69,3 (2.728) | 55,4 (2.181) | 63,5 (2.5) | 8,35 (.329) | 12,55 (.494) | 10,8 (.425) | 6.8 (.268) | 0,9 (.035) |

# Coaxial 90° PCB Receptacle, sizes DE – DC, with bracket

| Shell size | Layout | 75 Ohm part numbers with bracket and captive nut M3<br>Plastic Bracket | Metal Bracket | 75 Ohm part numbers with bracket with bushing dia. 3,05<br>Plastic Bracket | Metal Bracket | 75 Ohm part number with bracket with post M3<br>Plastic Bracket | Metal Bracket |
|---|---|---|---|---|---|---|---|
| DE | 2W2 | DEM-2C2S-1ATN-A191-A197 | DEM-2C2S-1A9N-A191-A197 | DEM-2C2S-1A5N-A191-A197 | DEM-2C2S-1AFN-A191-A197 | DEM-2C2S-1APN-A191-A197 | DEM-2C2S-1AHN-A191-A197 |
| DE | 2WK2 | DEM-2CK2S-1ATN-A191-A197 | DEM-2CK2S-1A9N-A191-A197 | DEM-2CK2S-1A5N-A191-A197 | DEM-2CK2S-1AFN-A191-A197 | DEM-2CK2S-1APN-A191-A197 | DEM-2CK2S-1AHN-A191-A197 |
| DE | 5W1 | DEM-5C1S-1ATN-A191-A197 | DEM-5C1S-1A9N-A191-A197 | DEM-5C1S-1A5N-A191-A197 | DEM-5C1S-1AFN-A191-A197 | DEM-5C1S-1APN-A191-A197 | DEM-5C1S-1AHN-A191-A197 |
| DA | 7W2 | DAM-7C2S-1ATN-A191-A197 | DAM-7C2S-1A9N-A191-A197 | DAM-7C2S-1A5N-A191-A19 | DAM-7C2S-1AFN-A191-A197 | DAM-7C2S-1APN-A191-A197 | DAM-7C2S-1AHN-A191-A197 |
| DA | 11W1 | DAM-11C1S-1ATN-A191-A197 | DAM-11C1S-1A9N-A191-A197 | DAM-11C1S-1A5N-A191-A197 | DAM-11C1S-1AFN-A191-A197 | DAM-11C1S-1APN-A191-A197 | DAM-11C1S-1AHN-A191-A197 |
| DA | 3W3 | DAM-3C3S-1ATN-A191-A197 | DAM-3C3S-1A9N-A191-A197 | DAM-3C3S-1A5N-A191-A197 | DAM-3C3S-1AFN-A191-A197 | DAM-3C3S-1APN-A191-A197 | DAM-3C3S-1AHN-A191-A197 |
| DA | 3WK3 | DAM-3CK3S-1ATN-A191-A197 | DAM-3CK3S-1A9N-A191-A19 | DAM-3CK3S-1A5N-A191-A197 | DAM-3CK3S-1AFN-A191-A197 | DAM-3CK3S-1APN-A191-A197 | DAM-3CK3S-1AHN-A191-A197 |
| DB | 5W5 | DBM-5C5S-1ATN-A191-A197 | DBM-5C5S-1A9N-A191-A197 | DBM-5C5S-1A5N-A191-A197 | DBM-5C5S-1AFN-A191-A197 | DBM-5C5S-1APN-A191-A197 | DBM-5C5S-1AHN-A191-A197 |
| DB | 9W4 | DBM-9C4S-1ATN-A191-A197 | DBM-9C4S-1A9N-A191-A197 | DBM-9C4S-1A5N-A191-A197 | DBM-9C4S-1AFN-A191-A197 | DBM-9C4S-1APN-A191-A197 | DBM-9C4S-1AHN-A191-A197 |
| DB | 13W3 | DBM-13C3S-1ATN-A191-A197 | DBM-13C3S-1A9N-A191-A197 | DBM-13C3S-1A5N-A191-A197 | DBM-13C3S-1AFN-A191-A197 | DBM-13C3S-1APN-A191-A197 | DBM-13C3S-1AHN-A191-A197 |
| DB | 17W2 | DBM-17CS2-1ATN-A191-A197 | DBM-17CS2-1A9N-A191-A197 | DBM-17CS2-1A5N-A191-A197 | DBM-17CS2-1AFN-A191-A197 | DBM-17CS2-1APN-A191-A197 | DBM-17CS2-1AHN-A191-A197 |
| DB | 21W1 | DBM-21C1S-1ATN-A191-A197 | DBM-21C1S-1A9N-A191-A197 | DBM-21C1S-1A5N-A191-A197 | DBM-21C1S-1AFN-A191-A197 | DBM-21C1S-1APN-A191-A197 | DBM-21C1S-1AHN-A191-A197 |
| DC | 8W8 | DCM-8C8S-1ATN-A191-A197 | DCM-8C8S-1A9N-A191-A197 | DCM-8C8S-1A5N-A191-A197 | DCM-8C8S-1AFN-A191-A197 | DCM-8C8S-1APN-A191-A197 | DCM-8C8S-1AHN-A191-A197 |
| DC | 13W6 | DCM-13C6S-1ATN-A191-A197 | DCM-13C6S-1A9N-A191-A197 | DCM-13C6S-1A5N-A191-A197 | DCM-13C6S-1AFN-A191-A197 | DCM-13C6S-1APN-A191-A197 | DCM-13C6S-1AHN-A191-A197 |
| DC | 17W5 | DCM-17C5S-1ATN-A191-A197 | DCM-17C5S-1A9N-A191-A197 | DCM-17C5S-1A5N-A191-A197 | DCM-17C5S-1AFN-A191-A197 | DCM-17C5S-1APN-A191-A197 | DCM-17C5S-1AHN-A191-A197 |
| DC | 21WA4 | DCM-21CA4S-1ATN-A191-A197 | DCM-21CA4S-1A9N-A191-A197 | DCM-21CA4S-1A5N-A191-A197 | DCM-21CA4S-1AFN-A191-A197 | DCM-21CA4S-1APN-A191-A197 | DCM-21CA4S-1AHN-A191-A197 |
| DC | 25W3 | DCM-25C3S-1ATN-A191-A197 | DCM-25C3S-1A9N-A191-A197 | DCM-25C3S-1A5N-A191-A197 | DCM-25C3S-1AFN-A191-A197 | DCM-25C3S-1APN-A191-A197 | DCM-25C3S-1AHN-A191-A197 |
| DC | 27W2 | DCM-27C2S-1ATN-A191-A197 | DCM-27C2S-1A9N-A191-A197 | DCM-27C2S-1A5N-A191-A197 | DCM-27C2S-1AFN-A191-A197 | DCM-27C2S-1APN-A191-A197 | DCM-27C2S-1AHN-A191-A197 |

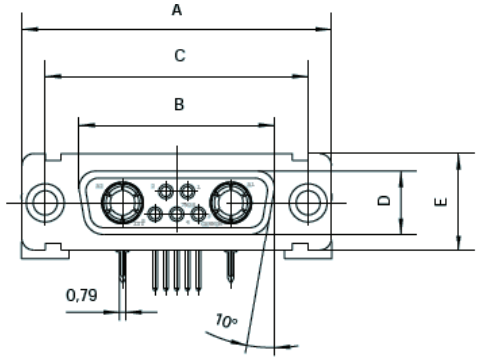
For performance class 1 replace A191 with A190.
For performance class 3 delete A191.

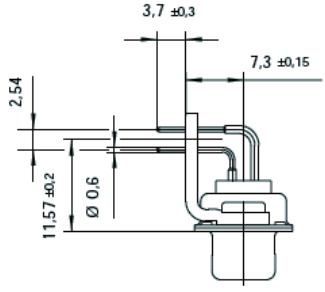
For 50 ohm coaxial replace C with X, Example:
DCM-13**C**6S-1AFN-A191-A197-146 becomes
DCM-13**X**6S-1AFN-A191-A197-146.

For 3,0 mm pushfit add -146 modifier,
For 3,2 mm pushfit add -162 modifier.

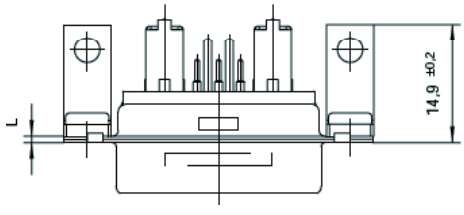
## Receptacle

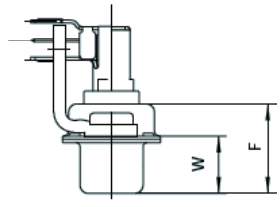





- For contact cavity arrangements, see page 62.
- For pcb hole pattern, see pages 74-75.
- For mounting methods, see pages 59-60.




## Dimensions

| Shell size | A ± 0,38 (.015) | B ± 0,13 (.005) | C ± 0,13 (.005) | D ± 0,13 (.005) | E ± 0,38 (.015) | F ± 0,25 (.010) | W ± 0,25 (.010) | L ± 0,38 (.015) |
|---|---|---|---|---|---|---|---|---|
| DE | 30,8 (1.213) | 16,35 (.644) | 25 (.984) | 7,90 (.311) | 12,55 (.494) | 10,90 (.429) | 6.95 (.274) | 0,8 (.031) |
| DA | 39,15 (1.541) | 24,65 (.970) | 33,33 (1.311) | 7,90 (.311) | 12,55 (.494) | 10,90 (.429) | 6.95 (.274) | 0,8 (.031) |
| DB | 53,05 (2.089) | 38,4 (1.512) | 47,05 (1.852) | 7,90 (.311) | 12,55 (.494) | 10,90 (.429) | 6.95 (.274) | 0,8 (.031) |
| DC | 69,3 (2.728) | 54,85 (2.159) | 63,5 (2.5) | 7,90 (.311) | 12,55 (.494) | 10,90 (.429) | 6.95 (.274) | 0,8 (.031) |

Dimensions shown in mm
Specifications and dimensions subject to change

# Coaxial straight PCB Plug, sizes DE – DD

**75 Ohm* coax inserted with straight contacts and standoff with UNC 4-40 thread**

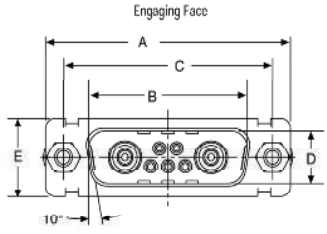
| | | 75 OHM INDUSTRIAL | | 50 OHM MILITARY/HI-REL | | NON-MAGNETIC/LOW OUTGASSING*** | |
|---|---|---|---|---|---|---|---|
| Shell size | Layout | P/N without Boardlock | P/N with Boardlock | P/N without Boardlock | P/N with UNC Boardlock | P/N with Cadmium Plating | P/N with Gold Plating |
| DE | 2W2 | DEMV2C2P-NK87 | DEMZ2C2P-NK87 | DEMMV2X2P-N | DEMMZ2X2P-N | DEMV2X2P-NNMB | DEMZ2X2P-NNMBK52 |
| DE | 2WK2 | DEMV2CK2P-NK87 | DEMZ2CK2P-NK87 | DEMMV2XK2P-N | DEMMZ2XK2P-N | DEMV2XK2P-NNMB | DEMZ2XK2P-NNMBK52 |
| DE | 5W1 | DEMV5C1P-NK87 | DEMZ5C1P-NK87 | DEMMV5X1P-N | DEMMZ5X12P-N | DEMV5X1P-NNMB | DEMZ5X1P-NNMBK52 |
| DA | 7W2 | DAMV7C2P-NK87 | DAMZ7C2P-NK87 | DAMMV7X2P-N | DAMMZ7X2P-N | DAMV7X2P-NNMB | DAMZ7X2P-NNMBK52 |
| DA | 7W2 | DAMV7C2P-NAK87 | DAMZ7C2P-NAK87 | DAMMV7X2P-N | DAMMZ7X2P-N | DAMV7X2P-NNMB | DAMZ7X2P-NNMBK52 |
| DA | 11W1 | DAMV11C1P-NK87 | DAMZ11C1P-NK87 | DAMMV11X1P-N | DAMMZ11X1P-N | DAMV11X1P-NNMB | DAMZ11X1P-NNMBK52 |
| DA | 3W3 | DAMV3C3P-NK87 | DAMZ3C3P-NK87 | DAMMV3X3P-N | DAMMZ3X3P-N | DAMV3X3P-NNMB | DAMZ3X3P-NNMBK52 |
| DA | 3WK3 | DAMV3CK3P-NK87 | DAMZ3CK3P-NK87 | DAMMV3XK3P-N | DAMMZ3XK3P-N | DAMV3XK3P-NNMB | DAMZ3XK3P-NNMBK52 |
| DB | 5W5 | DBMV5C5P-NK87 | DBMZ5C5P-NK87 | DBMMV5X5P-N | DBMMZ5X5P-N | DBMV5X5P-NNMB | DBMZ5X5P-NNMBK52 |
| DB | 9W4 | DBMV9C4P-NK87 | DBMZ9C4P-NK87 | DBMMV9X4P-N | DBMMZ9X4P-N | DBMV9X4P-NNMB | DBMZ9X4P-NNMBK52 |
| DB | 13W3 | DBMV13C3P-NK87 | DBMZ13C3P-NK87 | DBMMV13X3P-N | DBMMZ13X3P-N | DBMV13X3P-NNMB | DBMZ13X3P-NNMBK52 |
| DB | 17W2 | DBMV17C2P-NK87 | DBMZ17C2P-NK87 | DBMMV17X2P-N | DBMMZ17X2P-N | DBMV17X2P-NNMB | DBMZ17X2P-NNMBK52 |
| DB | 21W1 | DBMV21C1P-NK87 | DBMZ21C1P-NK87 | DBMMV21X1P-N | DBMMZ21X1P-N | DBMV21X1P-NNMB | DBMZ21X1P-NNMBK52 |
| DC | 8W8 | DCMV8C8P-NK87 | DCMZ8C8P-NK87 | DCMMV8X8P-N | DCMMZ8X8P-N | DCMV8X8P-NNMB | DCMZ8X8P-NNMBK52 |
| DC | 13W6 | DCMV13C6P-NK87 | DCMZ13C6P-NK87 | DCMMV13X6P-N | DCMMZ13X6P-N | DCMV13X6P-NNMB | DCMZ13X6P-NNMBK52 |
| DC | 17W5 | DCMV17C5P-NK87 | DCMZ17C5P-NK87 | DCMMV17X5P-N | DCMMZ17X5P-N | DCMV17X5P-NNMB | DCMZ17X5P-NNMBK52 |
| DC | 21WA4 | DCMV21CA4P-NK87 | DCMZ21CA4P-NK87 | DCMMV21XA4P-N | DCMMZ21XA4P-N | DCMV21XA4P-NNMB | DCMZ21XA4P-NNMBK52 |
| DC | 25W3 | DCMV25C3P-NK87 | DCMZ25C3P-NK87 | DCMMV25X3P-N | DCMMZ25X3P-N | DCMV25X3P-NNMB | DCMZ25X3P-NNMBK52 |
| DC | 27W2 | DCMV27C2P-NK87 | DCMZ27C2P-NK87 | DCMMV27X2P-N | DCMMZ27X2P-N | DCMV27X2P-NNMB | DCMZ27X2P-NNMBK52 |
| DD | 24W7 | DDMV24C7P-NK87 | DDMZ24C7P-NK87 | DDMMV24X7P-N | DDMMZ24X7P-N | DDMV24X7P-NNMB | DDMZ24X7P-NNMBK52 |
| DD | 36W4 | DDMV36C4P-NK87 | DDMZ36C4P-NK87 | DDMMV36X4P-N | DDMMZ36X4P-N | DDMV36X4P-NNMB | DDMZ36X4P-NNMBK52 |
| DD | 43W2 | DDMV43C2P-NK87 | DDMZ43C2P-NK87 | DDMMV43X2P-N | DDMMZ43X2P-N | DDMV43X2P -NNMB | DDMZ43X2P-NNMBK52 |
| DD | 47W1 | DDMV47C1P-NK87 | DDMZ47C1P-NK87 | DDMMV47X1P-N | DDMMZ47X1P-N | DDMV47X1P-NNMB | DDMZ47X1P-NNMBK52 |

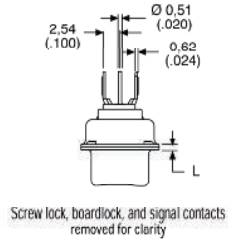
* For 50 ohm coaxial inserts replace C with X, e.g.:DDMZ43**C**2P-N becomes DDMZ43**X**2P-N. For M-3 and other hardware options, see part number designator, page 7.

*** Hardware Modifier not allowed with Non Magnetic/ Low Outgassing Combo-D- Contact factory for more information

## Plug

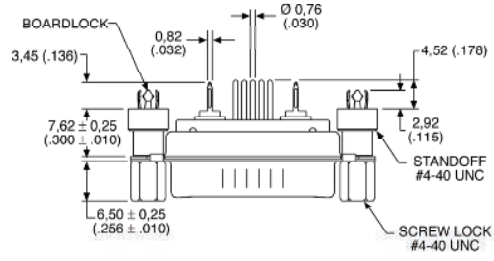


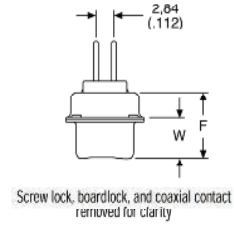



For contact cavity arrangements, see page 61.

- For pcb hole pattern, see pages 76-78.
- For mounting methods, see pages 59-60.




## Dimensions

| Shell size | A ± 0,38 (.015) | B ± 0,13 (.005) | C ± 0,13 (.005) | D ± 0,13 (.005) | E ± 0,38 (.015) | F ± 0,25 (.010) | W ± 0,368 (.0145) | W ± 0,41 (.016) | L ± 0,25 (.010) |
|---|---|---|---|---|---|---|---|---|---|
| DE | 30,81 (1.213) | 16,92 (.665) | 24,99 (.984) | 8,36 (.329) | 12,55 (.494) | 10,72 (.422) | 6,693 (.2635) | — | 0,76 (.030) |
| DA | 39,14 (1.541) | 25,25 (.994) | 33,32 (1.312) | 8,36 (.329) | 12,55 (.494) | 10,72 (.422) | 6,693 (.2635) | — | 0,76 (.030) |
| DB | 53,04 (2.088) | 38,96 (1.534) | 47,04 (1.852) | 8,36 (.329) | 12,55 (.494) | 10,82 (.426) | — | 6,84 (.269) | 0,99 (.039) |
| DC | 69,32 (2.729) | 55,42 (2.182) | 63,50 (2,500) | 8,36 (.329) | 12,55 (.494) | 10,82 (.426) | — | 6,84 (.269) | 0,99 (.039) |
| DD | 66,93 (2.635) | 52,81 (2.079) | 61,11 (2,406) | 11,07 (.436) | 15,37 (.605) | 10,82 (.426) | 6,84 (.269) | 0,99 (.039) | |

# Coaxial straight PCB Receptacle, sizes DE – DD

**75 Ohm* coax inserted with straight contacts and standoff with UNC 4-40 thread**

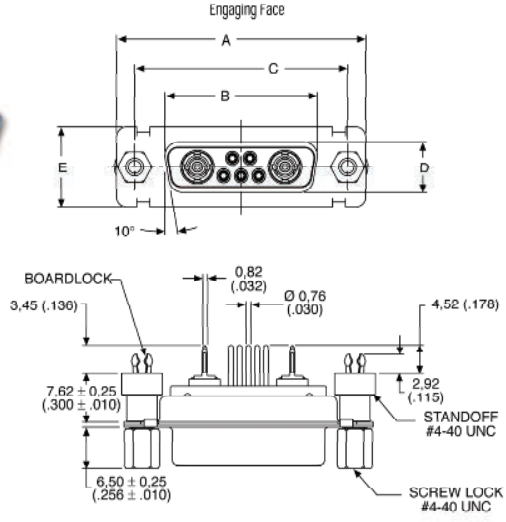
| | | 75 OHM INDUSTRIAL | | 50 OHM MILITARY/HI-REL | | 50 OHM NON-MAGNETIC/LOW OUTGASSING*** | |
|---|---|---|---|---|---|---|---|
| Shell size | Layout | P/N without Boardlock | P/N with Boardlock | P/N without Boardlock | P/N with UNC Boardlock | P/N with Cadmium Plating | P/N with Gold Plating |
| DE | 2W2 | DEMV2C2S-NA197 | DEMZ2C2S-NA197 | DEMMV2X2S-N | DEMMZ2X2S-N | DEM2X2S-NNMB | DEM2X2S-NNMBK52 |
| DE | 2WK2 | DEMV2CK2S-NA197 | DEMZ2CK2S-NA197 | DEMMV2XK2S-N | DEMMZ2XK2S-N | DEM2XK2S-NNMB | DEM2XK2S-NNMBK52 |
| DE | 5W1 | DEMV5C1S-NA197 | DEMZ5C1S-NA197 | DEMMV5X1S-N | DEMMZ5X1S-N | DEM5X1S-NNMB | DEM5X1S-NNMBK52 |
| DA | 7W2 | DAMV7C2S-NA197 | DAMZ7C2S-NA197 | DAMMV7X2S-N | DAMMZ7X2S-N | DAM7X2S-NNMB | DAM7X2S-NNMBK52 |
| DA | 11W1 | DAMV11C1S-NA197 | DAMZ11C1S-NA197 | DAMMV11X1S-N | DAMMZ11X1S-N | DAM11X1S-NNMB | DAM11X1S-NNMBK52 |
| DA | 3W3 | DAMV3C3S-NA197 | DAMZ3C3S-NA197 | DAMMV3X3S-N | DAMMZ3X3S-N | DAM3X3S-NNMB | DAM3X3S-NNMBK52 |
| DA | 3WK3 | DAMV3CK3S-NA197 | DAMZ3CK3S-NA197 | DAMMV3XK3S-N | DAMMZ3XK3S-N | DAM3XK3S-NNMB | DAM3XK3S-NNMBK52 |
| DB | 5W5 | DBMV5C5S-NA197 | DBMZ5C5S-NA197 | DBMMV5X5S-N | DBMMZ5X5S-N | DBM5X5S-NNMB | DBM5X5S-NNMBK52 |
| DB | 9W4 | DBMV9C4S-NA197 | DBMZ9C4S-NA197 | DBMMV9X4S-N | DBMMZ9X4S-N | DBM9X4S-NNMB | DBM9X4S-NNMBK52 |
| DB | 13W3 | DBMV13C3S-NA197 | DBMZ13C3S-NA197 | DBMMV13X3S-N | DBMMZ13X3S-N | DBM13X3S-NNMB | DBM13X3S-NNMBK52 |
| DB | 17W2 | DBMV17C2S-NA197 | DBMZ17C2S-NA197 | DBMMV17X2S-N | DBMMZ17X2S-N | DBM17X2S-NNMB | DBM17X2S-NNMBK52 |
| DB | 21W1 | DBMV21C1S-NA197 | DBMZ21C1S-NA197 | DBMMV21X1S-N | DBMMZ21X1S-N | DBM21X1S-NNMB | DBM21X1S-NNMBK52 |
| DC | 8W8 | DCMV8C8S-NA197 | DCMZ8C8S-NA197 | DCMMV8X8S-N | DCMMZ8X8S-N | DCM8X8S-NNMB | DCM8X8S-NNMBK52 |
| DC | 13W6 | DCMV13C6S-NA197 | DCMZ13C6S-NA197 | DCMMV13X6S-N | DCMMZ13X6S-N | DCM13X6S-NNMB | DCM13X6S-NNMBK52 |
| DC | 17W5 | DCMV17C5S-NA197 | DCMZ17C5S-NA197 | DCMMV17X5S-N | DCMMZ17X5S-N | DCM17X5S-NNMB | DCM17X5S-NNMBK52 |
| DC | 21WA4 | DCMV21CA4S-NA197 | DCMZ21CA4S-NA197 | DCMMV21XA4S-N | DCMMZ21XA4S-N | DCM21XA4S-NNMB | DCM21XA4S-NNMBK52 |
| DC | 25W3 | DCMV25C3S-NA197 | DCMZ25C3S-NA197 | DCMMV25X3S-N | DCMMZ25X3S-N | DCM25X3S-NNMB | DCM25X3S-NNMBK52 |
| DC | 27W2 | DCMV27C2S-NA197 | DCMZ27C2S-NA197 | DCMMV27X2S-N | DCMMZ27X2S-N | DCM27X2S-NNMB | DCM27X2S-NNMBK52 |
| DD | 24W7 | DDMV24C7S-NA197 | DDMZ24C7S-NA197 | DDMMV24X7S-N | DDMMZ24X7S-N | DDM24X7S-NNMB | DDM24X7S-NNMBK52 |
| DD | 36W4 | DDMV36C4S-NA197 | DDMZ36C4S-NA197 | DDMMV36X4S-N | DDMMZ36X4S-N | DDM36X4S-NNMB | DDM36X4S-NNMBK52 |
| DD | 43W2 | DDMV43C2S-NA197 | DDMZ43C2S-NA197 | DDMMV43X2S-N | DDMMZ43X2S-N | DDM43X2S-NNMB | DDM43X2S-NNMBK52 |
| DD | 47W1 | DDMV47C1S-NA197 | DDMZ47C1S-NA197 | DDMMV47X1S-N | DDMMZ47X1S-N | DDM47X1S-NNMB | DDM47X1S-NNMBK52 |

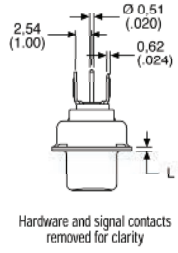
* For 50 ohm coaxial inserts replace C with X, e.g.:DDMZ43**C**2S-N becomes DDMZ43**X**2S-J. **For M-3 and other hardware options, see part number designator, page 7.

*** Hardware Modifier not allowed with Non Magnetic/ Low Outgassing Combo-D- Contact factory for more information

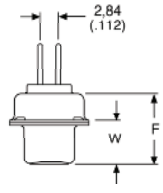
## Receptacle






Hardware and signal contacts removed for clarity




Hardware and coaxial contact removed for clarity

- For contact cavity arrangements, see page 62.
- For pcb hole pattern, see pages 79-81.
- For mounting methods, see pages 59-60.

## Dimensions

| Shell size | A ± 0,38 (.015) | B ± 0,13 (.005) | C ± 0,13 (.005) | D ± 0,13 (.005) | E ± 0,38 (.015) | F ± 0,25 (.010) | W ± 0,38 (.015) | L ± 0,25 (.010) |
|---|---|---|---|---|---|---|---|---|
| DE | 30,81 (1.213) | 16,33 (.643) | 24,99 (.984) | 7,90 (.311) | 12,55 (.494) | 10,90 (.429) | 6,94 (.273) | 0,76 (.030) |
| DA | 39,14 (1.541) | 24,65 (.971) | 33,32 (1.312) | 7,90 (.311) | 12,55 (.494) | 10,90 (.429) | 6,94 (.273) | 0,76 (.030) |
| DB | 53,04 (2.088) | 38,38 (1.511) | 47,04 (1.852) | 7,90 (.311) | 12,55 (.494) | 10,90 (.429) | 6,94 (.273) | 0,76 (.030) |
| DC | 69,32 (2.729) | 54,84 (2.159) | 63,50 (2,500) | 7,90 (.311) | 12,55 (.494) | 10,90 (.429) | 6,94 (.273) | 0,76 (.030) |
| DD | 66,93 (2.635) | 52,42 (2.064) | 61,11 (2,406) | 10,74 (.423) | 15,37 (.605) | 10,90 (.429) | 6,94 (.273) | 0,76 (.030) |

Dimensions shown in mm
Specifications and dimensions subject to change

## Coaxial straight- European solder pins, sizes DE – DD

### 75 Ohm* coax inserted with straight contacts

| Shell | Layout | with standoff M3 with pushfit | with standoff M3 with pushfit | standoff, M3 post and | with M3 clinch nut | with through hole 3,05 mm |
|---|---|---|---|---|---|---|
| DE | 2W2 | DEMT-2C2P-OL4-A191-K87 | DEMQ-2C2P-OL4-A191-K87 | DEMU-2C2P-OL4-A191-K87 | DEMX-2C2P-OL4-A191-K87 | DEM-2C2P-OL4-A191-K87 |
| DE | 2WK2 | DEMT-2CK2P-OL4-A191-K87 | DEMQ-2CK2P-OL4-A191-K87 | DEMU-2CK2P-OL4-A191-K87 | DEMX-2CK2P-OL4-A191-K87 | DEM-2CK2P-OL4-A191-K87 |
| DE | 5W1 | DEMT-5C1P-OL4-A191-K87 | DEMQ-5C1P-OL4-A191-K87 | DEMU-5C1P-OL4-A191-K87 | DEMX-5C1P-OL4-A191-K87 | DEM-5C1P-OL4-A191-K87 |
| DA | 7W2 | DAMT-7C2P-OL4-A191-K87 | DAMQ-7C2P-OL4-A191-K87 | DAMU-7C2P-OL4-A191-K87 | DAMX-7C2P-OL4-A191-K87 | DAM-7C2P-OL4-A191-K87 |
| DA | 11W1 | DAMT-11C1P-OL4-A191-K87 | DAMQ-11C1P-OL4-A191-K87 | DAMU-11C1P-OL4-A191-K87 | DAMX-11C1P-OL4-A191-K87 | DAM-11C1P-OL4-A191-K87 |
| DA | 3W3 | DAMT-3C3P-OL4-A191-K87 | DAMQ-3C3P-OL4-A191-K87 | DAMU-3C3P-OL4-A191-K87 | DAMX-3C3P-OL4-A191-K87 | DAM-3C3P-OL4-A191-K87 |
| DA | 3WK3 | DAMT-3CK3P-OL4-A191-K87 | DAMQ-3CK3P-OL4-A191-K87 | DAMU-3CK3P-OL4-A191-K87 | DAMX-3CK3P-OL4-A191-K87 | DAM-3CK3P-OL4-A191-K87 |
| DB | 5W5 | DBMT-5C5P-OL4-A191-K87 | DBMQ-5C5P-OL4-A191-K87 | DBMU-5C5P-OL4-A191-K87 | DBMX-5C5P-OL4-A191-K87 | DBM-5C5P-OL4-A191-K87 |
| DB | 9W4 | DBMT-9C4P-OL4-A191-K87 | DBMQ-9C4P-OL4-A191-K87 | DBMU-9C4P-OL4-A191-K87 | DBMX-9C4P-OL4-A191-K87 | DBM-9C4P-OL4-A191-K87 |
| DB | 13W3 | DBMT-13C3P-OL4-A191-K87 | DBMQ-3C3P-OL4-A191-K87 | DBMU-13C3P-OL4-A191-K87 | DBMX-13C3P-OL4-A191-K87 | DBM-13C3P-OL4-A191-K87 |
| DB | 17W2 | DBMT-17C2P-OL4-A191-K87 | DBMQ-17C2P-OL4-A191-K87 | DBMU-17C2P-OL4-A191-K87 | DBMX-17C2P-OL4-A191-K87 | DBM-17C2P-OL4-A191-K87 |
| DB | 21W1 | DBMT-21C1P-OL4-A191-K87 | DBMQ-21C1P-OL4-A191-K87 | DBMU-21C1P-OL4-A191-K87 | DBMX-21C1P-OL4-A191-K87 | DBM-21C1P-OL4-A191-K87 |
| DC | 8W8 | DCMT-8C8P-OL4-A191-K87 | DCMQ-8C8P-OL4-A191-K87 | DCMU-8C8P-OL4-A191-K87 | DCMX-8C8P-OL4-A191-K87 | DCM-8C8P-OL4-A191-K87 |
| DC | 13W6 | DCMT-13C6P-OL4-A191-K87 | DCMQ-13C6P-OL4-A191-K87 | DCMU-13C6P-OL4-A191-K87 | DCMX-13C6P-OL4-A191-K87 | DCM-13C6P-OL4-A191-K87 |
| DC | 17W5 | DCMT-17C5P-OL4-A191-K87 | DCMQ-17C5P-OL4-A191-K87 | DCMU-17C5P-OL4-A191-K87 | DCMX-17C5P-OL4-A191-K87 | DCM-17C5P-OL4-A191-K87 |
| DC | 21WA4 | DCMT-21CA4P-OL4-A191-K87 | DCMQ-21CA4P-OL4-A191-K87 | DCMU-21CA4P-OL4-A191-K87 | DCMX-21CA4P-OL4-A191-K87 | DCM-21CA4P-OL4-A191-K87 |
| DC | 25W3 | DCMT-25C3P-OL4-A191-K87 | DCMQ-25C3P-OL4-A191-K87 | DCMU-25C3P-OL4-A191-K87 | DCMX-25C3P-OL4-A191-K87 | DCM-25C3P-OL4-A191-K87 |
| DC | 27W2 | DCMT-27C2P-OL4-A191-K87 | DCMQ-27C2P-OL4-A191-K87 | DCMU-27C2P-OL4-A191-K87 | DCMX-27C2P-OL4-A191-K87 | DCM-27C2P-OL4-A191-K87 |
| DD | 24W7 | DDMT-24C7P-OL4-A191-K87 | DDMQ-24C7P-OL4-A191-K87 | DDMU-24C7P-OL4-A191-K87 | DDMX-24C7P-OL4-A191-K87 | DDM-24C7P-OL4-A191-K87 |
| DD | 36W4 | DDMT-36C4P-OL4-A191-K87 | DDMQ-36C4P-OL4-A191-K87 | DDMU-36C4P-OL4-A191-K87 | DDMX-36C4P-OL4-A191-K87 | DDM-36C4P-OL4-A191-K87 |
| DD | 43W2 | DDMT-43C2P-OL4-A191-K87 | DDMQ-43C2P-OL4-A191-K87 | DDMU-43C2P-OL4-A191-K87 | DDMX-43C2P-OL4-A191-K87 | DDM-43C2P-OL4-A191-K87 |
| DD | 47W1 | DDMT-47C1P-OL4-A191-K87 | DDMQ-47C1P-OL4-A191-K8 | DDMU-47C1P-OL4-A191-K87 | DDMX-47C1P-OL4-A191-K87 | DDM-47C1P-OL4-A191-K87 |

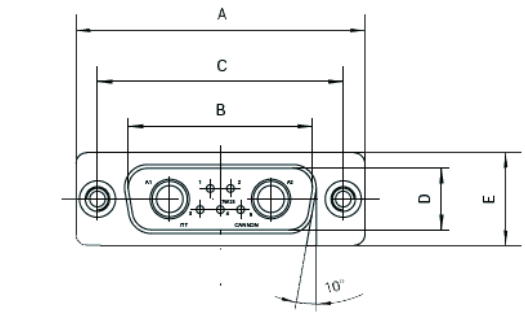
For performance class 1 replace A191 wtih A190.
For Performance class 3 delete A191.

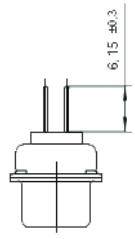
For 50 ohm coaxial replace C with X, Example:
DCM-13**C**6P-A191-K87-146 becomes
DCM-13**X**6P-A191-K87-146.

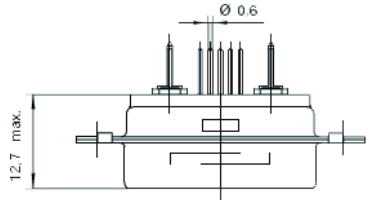
For 3,0 mm pushfit please add -146 modifier;
For 3,2 mm pushfit please add-162 modifier.

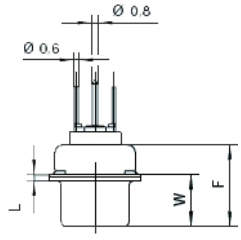
### Plug






- For contact cavity arrangements, see page 61.
- For pcb hole pattern, see pages 76-78.
- For mounting methods, see pags 59-60.

### Dimensions

| Shell size | A ± 0,38 (.015) | B ± 0,13 (.005) | C ± 0,13 (.005) | D ± 0,13 (.005) | E ± 0,38 (.015) | F ± 0,25 (.010) | L ± 0,2 (008) | W ± 0,41 (.016) |
|---|---|---|---|---|---|---|---|---|
| DE | 30,8 (1.213) | 16,9 (.665) | 25 (.984) | 8,35 (.329) | 12,55 (.494) | 10,70 (.421) | 0,8 (.031) | 6,7 (.264) |
| DA | 39,15 (1.541) | 25,25 (.994) | 33,3 (1.311) | 8,35 (.329) | 12,55 (.494) | 10,70 (.421) | 0,8 (.031) | 6,7 (.264) |
| DB | 53,05 (2.089) | 38,95 (1.533) | 47,05 (1.852) | 8,35 (.329) | 12,55 (.494) | 10,80 (.425) | 0,8 (.031) | 6,8 (.268) |
| DC | 69,3 (2.089) | 55,4 (2.181) | 63,50 (2,500) | 8,35 (.329) | 12,55 (.494) | 10,80 (.425) | 0,9 (.035) | 6,8 (.268) |
| DD | 66,95 (2.636) | 52,8 (2.079) | 61,11 (2,406) | 11,1 (.437) | 15,4 (.606) | 10,80 (.425) | 0,9 (.035) | 6,85 (.270) |

## Coaxial straight- European solder socket, sizes DE – DD

### 75 Ohm* coax inserted with straight contacts

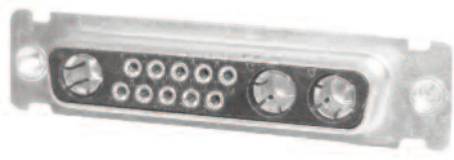
| Shell | Layout | with standoff M3 pushfit | with standoff M3 with pushfit | standoff, M3 post and | with M3 clinch nut | with through hole 3,05 mm |
|---|---|---|---|---|---|---|
| DE | 2W2 | DEMT-2C2S-OL4-A191-A197 | DEMQ-2C2S-OL4-A191-A197 | DEMU-2C2S-OL4-A191-A197 | DEMX-2C2S-OL4-A191-A197 | DEM-2C2S-OL4-A191-A197 |
| DE | 2WK2 | DEMT-2CK2S-OL4-A191-A197 | DEMQ-2CK2S-OL4-A191-A197 | DEMU-2CK2S-OL4-A191-A197 | DEMX-2CK2S-OL4-A191-A197 | DEM-2CK2S-OL4-A191-A197 |
| DE | 5W1 | DEMT-5C1S-OL4-A191-A197 | DEMQ-5C1S-OL4-A191-A197 | DEMU-5C1S-OL4-A191-A197 | DEMX-5C1S-OL4-A191-A197 | DEM-5C1S-OL4-A191-A197 |
| DA | 7W2 | DAMT-7C2S-OL4-A191-A197 | DAMQ-7C2S-OL4-A191-A197 | DAMU-7C2S-OL4-A191-A197 | DAMX-7C2S-OL4-A191-A197 | DAM-7C2S-OL4-A191-A197 |
| DA | 11W1 | DAMT-11C1S-OL4-A191-A197 | DAMQ-11C1S-OL4-A191-A197 | DAMU-11C1S-OL4-A191-A197 | DAMX-11C1S-OL4-A191-A197 | DAM-11C1S-OL4-A191-A197 |
| DA | 3W3 | DAMT-3C3S-OL4-A191-A197 | DAMQ-3C3S-OL4-A191-A197 | DAMU-3C3S-OL4-A191-A197 | DAMX-3C3S-OL4-A191-A197 | DAM-3C3S-OL4-A191-A197 |
| DA | 3WK3 | DAMT-3CK3S-OL4-A191-A197 | DAMQ-3CK3S-OL4-A191-A197 | DAMU-3CK3S-OL4-A191-A197 | DAMX-3CK3S-OL4-A191-A197 | DAM-3CK3S-OL4-A191-A197 |
| DB | 5W5 | DBMT-5C5S-OL4-A191-A197 | DBMQ-5C5S-OL4-A191-A197 | DBMU-5C5S-OL4-A191-A197 | DBMX-5C5S-OL4-A191-A197 | DBM-5C5S-OL4-A191-A197 |
| DB | 9W4 | DBMT-9C4S-OL4-A191-A197 | DBMQ-9C4S-OL4-A191-A197 | DBMU-9C4S-OL4-A191A197 | DBMX-9C4S-OL4-A191-A197 | DBM-9C4S-OL4-A191-A197 |
| DB | 13W3 | DBMT-13C3S-OL4-A191-A197 | DBMQ-3C3S-OL4-A191-A197 | DBMU-13C3S-OL4-A191-A197 | DBMX-13C3S-OL4-A191-A197 | DBM-13C3S-OL4-A191-A197 |
| DB | 17W2 | DBMT-17C2S-OL4-A191-A197 | DBMQ-17C2S-OL4-A191-A197 | DBMU-17C2S-OL4-A191-A197 | DBMX-17C2S-OL4-A191-A197 | DBM-17C2S-OL4-A191-A197 |
| DB | 21W1 | DBMT-21C1S-OL4-A191-A197 | DBMQ-21C1S-OL4-A191-A197 | DBMU-21C1S-OL4-A191-A197 | DBMX-21C1S-OL4-A191-A197 | DBM-21C1S-OL4-A191-A197 |
| DC | 8W8 | DCMT-8C8S-OL4-A191-A197 | DCMQ-8C8S-OL4-A191-A197 | DCMU-8C8S-OL4-A191-A197 | DCMX-8C8S-OL4-A191-A197 | DCM-8C8S-OL4-A191-A197 |
| DC | 13W6 | DCMT-13C6S-OL4-A191-A197 | DCMQ-13C6S-OL4-A191-A197 | DCMU-13C6S-OL4-A191-A197 | DCMX-13C6S-OL4-A191-A197 | DCM-13C6S-OL4-A191-A197 |
| DC | 17W5 | DCMT-17C5S-OL4-A191-A197 | DCMQ-17C5S-OL4-A191-A197 | DCMU-17C5S-OL4-A191-A197 | DCMX-17C5S-OL4-A191-A197 | DCM-17C5S-OL4-A191-A197 |
| DC | 21WA4 | DCMT-21CA4S-OL4-A191-A197 | DCMQ-21CA4S-OL4-A191-A197 | DCMU-21CA4S-OL4-A191-A197 | DCMX-21CA4S-OL4-A191-A197 | DCM-21CA4S-OL4-A191-A197 |
| DC | 25W3 | DCMT-25C3S-OL4-A191-A197 | DCMQ-25C3S-OL4-A191-A197 | DCMU-25C3S-OL4-A191-A197 | DCMX-25C3S-OL4-A191-A197 | DCM-25C3S-OL4-A191-A197 |
| DC | 27W2 | DCMT-27C2S-OL4-A191-A197 | DCMQ-27C2S-OL4-A191-A197 | DCMU-27C2S-OL4-A191-A197 | DCMX-27C2S-OL4-A191-A197 | DCM-27C2S-OL4-A191-A197 |
| DD | 24W7 | DDMT-24C7S-OL4-A191-A197 | DDMQ-24C7S-OL4-A191-A197 | DDMU-24C7S-OL4-A191-A197 | DDMX-24C7S-OL4-A191-A197 | DDM-24C7S-OL4-A191-A197 |
| DD | 36W4 | DDMT-36C4S-OL4-A191A197 | DDMQ-36C4S-OL4-A191-A197 | DDMU-36C4S-OL4-A191-A197 | DDMX-36C4S-OL4-A191-A197 | DDM-36C4S-OL4-A191-A197 |
| DD | 43W2 | DDMT-43C2S-OL4-A191-A197 | DDMQ-43C2S-OL4-A191-A197 | DDMU-43C2S-OL4-A191-A197 | DDMX-43C2S-OL4-A191-A197 | DDM-43C2S-OL4-A191-A197 |
| DD | 47W1 | DDMT-47C1S-OL4-A191-A197 | DDMQ-47C1S-OL4-A191-A197 | DDMU-47C1S-OL4-A191-A197 | DDMX-47C1S-OL4-A191-A197 | DDM-47C1S-OL4-A191A197 |

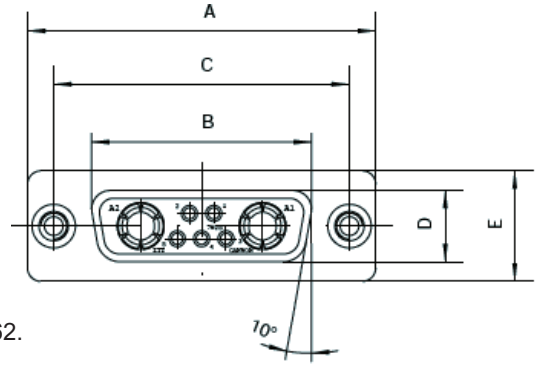
For performance class 1 replace A191 wtih A190.
For Performance class 3 delete A191.

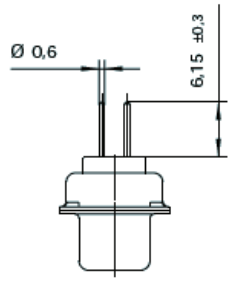
For 50 ohm coaxial replace C with X, Example:
DCM-13**C**6S-A191-A197-146 becomes
DCM-13**X**6S-A191-A197-146.

For 3,0 mm pushfit please add -142 modifier;
For 3,2 mm pushfit please add -162 modifier.

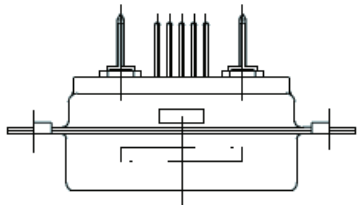
### Receptacle

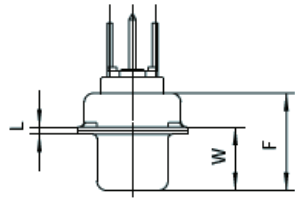





- For contact cavity arrangements, see page 62.
- For pcb hole pattern, see pages 79-81.
- For mounting methods, see pags 59-60.






### Dimensions

| Shell size | A ± 0,38 (.015) | B ± 0,13 (.005) | C ± 0,13 (.005) | D ± 0,13 (.005) | E ± 0,38 (.015) | F ± 0,25 (.010) | L ± 0,2 (008) | W ± 0,41 (.016) |
|---|---|---|---|---|---|---|---|---|
| DE | 30,8 (1.213) | 16,35 (.644) | 25 (.984) | 7,9 (.311) | 12,55 (.494) | 10,90 (.429) | 0,8 (.031) | 6,95 (.274) |
| DA | 39,15 (1.541) | 24,65 (.970) | 33,3 (1.311) | 7,9 (.311) | 12,55 (.494) | 10,90 (.429) | 0,8 (.031) | 6,95 (.274) |
| DB | 53,05 (2.089) | 38,4 (1.512) | 47,05 (1.852) | 7,9 (.311) | 12,55 (.494) | 10,90 (.429) | 0,8 (.031) | 6,95 (.274) |
| DC | 69,3 (2.089) | 55,85 (2.159) | 63,50 (2,500) | 7,9 (.311) | 12,55 (.494) | 10,90 (.429) | 0,8 (.031) | 6,95 (.274) |
| DD | 66,95 (2.636) | 52,4 (2.063) | 61,11 (2,406) | 10,75 (.423) | 15,4 (.606) | 10,90 (.429) | 0,8 (.031) | 6,95 (.274) |

Dimensions shown in mm
Specifications and dimensions subject to change

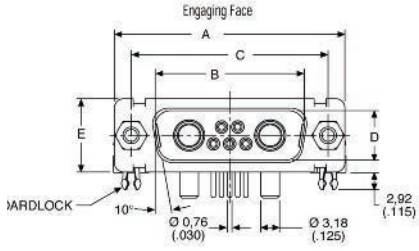
## 40 A High power 90° PCB Plug, sizes DE – DC, with metal bracket

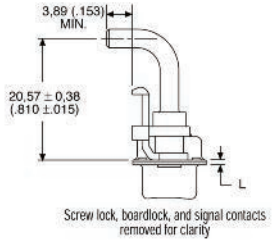
| | | INDUSTRIAL – US<br>40 A High power inserted with<br>US footprint metal bracket<br>and UNC 4-40 captive nut | | INDUSTRIAL – EU<br>40 A High power inserted with<br>EU footprint metal bracket<br>and UNC 4-40 captive nut | | MILITARY/HI-REL – US<br>40 A High power inserted with<br>US footprint metal bracket<br>and UNC 4-40 screw lock | | NON-MAGNETIC/LOW OUTGASSING – US*<br>40 A High power inserted with<br>US footprint metal bracket<br>and UNC 4-40 screw lock | |
|---|---|---|---|---|---|---|---|---|---|
| **Shell size** | **Layout** | **P/N without boardlock** | **P/N with boardlock** | **P/N without boardlock** | **P/N with boardlock** | **P/N without boardlock** | **P/N with boardlock** | **P/N with Cadmium Plating** | **P/N with Gold Plating** |
| DE | 2W2 | DEMP2H2P-JK87 | DEMC2H2P-JK87 | DEMP2P2P-VK87 | DEMC2PK2P-VK87 | DEMMP2H2P-J | DEMMC2H2P-J | DEM2H2P-JNMB | DEM2H2P-JNMBK52 |
| DE | 2WK2 | DEMP2HK2P-JK87 | DEMC2HK2P-JK87 | DEMP2PK2P-VK87 | DEMC2PK2P-VK87 | DEMMP2HK2P-J | DEMMC2HK2P-J | DEM2HK2P-JNMB | DEM2HK2P-JNMBK52 |
| DE | 5W1 | DEMP5H1P-JK87 | DEMC5H1P-JK87 | DEMP5P1P-VK87 | DEMC5P1P-VK87 | DEMMP5H1P-J | DEMMC5H1P-J | DEM5H1P-JNMB | DEM5H1P-JNMBK52 |
| DA | 7W2 | DAMP7H2P-JK87 | DAMC7H2P-JK87 | DAMP7P2P-VK87 | DAMC7P2P-VK87 | DAMMP7H2P-J | DAMMC7H2P-J | DAM7H2P-JNMB | DAM7H2P-JNMBK52 |
| DA | 11W1 | DAMP11H1P-JK87 | DAMC11H1P-JK87 | DAMP11P1P-VK87 | DAMC11P1P-VK87 | DAMMP11H1P-J | DAMMC11H1P-J | DAM11H1P-JNMB | DAM11H1P-JNMBK52 |
| DA | 3W3 | DAMP3H3P-JK87 | DAMC3H3P-JK87 | DAMP3P3P-VK87 | DAMC3P3P-VK87 | DAMMP3H3P-J | DAMMC3H3P-J | DAM3H3P-JNMB | DAM3H3P-JNMBK52 |
| DA | 3WK3 | DAMP3HK3P-JK87 | DAMC3HK3P-JK87 | DAMP3PK3P-VK87 | DAMC3PK3P-VK87 | DAMMP3HK3P-J | DAMMC3HK3P-J | DAM3HK3P-JNMB | DAM3HK3P-JNMBK52 |
| DB | 5W5 | DBMP5H5P-JK87 | DBMC5H5P-JK87 | DBMP5P5P-VK87 | DBMC5P5P-VK87 | DBMMP5H5P-J | DBMMC5H5P-J | DBM5H5P-JNMB | DBM5H5P-JNMBK52 |
| DB | 9W4 | DBMP9H4P-JK87 | DBMC9H4P-JK87 | DBMP9P4P-VK87 | DBMC9P4P-VK87 | DBMMP9H4P-J | DBMMC9H4P-J | DBM9H4P-JNMB | DBM9H4P-JNMBK52 |
| DB | 13W3 | DBMP13H3P-JK87 | DBMC13H3P-JK87 | DBMP13P3P-VK87 | DBMC13P3P-VK87 | DBMMP13H3P-J | DBMMC13H3P-J | DBM13H3P-JNMB | DBM13H3P-JNMBK52 |
| DB | 17W2 | DBMP17H2P-JK87 | DBMC17H2P-JK87 | DBMP17P2P-VK87 | DBMC17P2P-VK87 | DBMMP17H2P-J | DBMMC17H2P-J | DBM17H2P-JNMB | DBM17H2P-JNMBK52 |
| DB | 21W1 | DBMP21H1P-JK87 | DBMC21H1P-JK87 | DBMP21P1P-VK87 | DBMC21P1P-VK87 | DBMMP21H1P-J | DBMMC21H1P-J | DBM21H1P-JNMB | DBM21H1P-JNMBK52 |
| DC | 8W8 | DCMP8H8P-JK87 | DCMC8H8P-JK87 | DCMP8P8P-VK87 | DCMC8P8P-VK87 | DCMMP8H8P-J | DCMMC8H8P-J | DCM8H8P-JNMB | DCM8H8P-JNMBK52 |
| DC | 13W6 | DCMP13H6P-JK87 | DCMC13H6P-JK87 | DCMP13P6P-VK87 | DCMC13P6P-VK87 | DCMMP13H6P-J | DCMMC13H6P-J | DCM13H6P-JNMB | DCM13H6P-JNMBK52 |
| DC | 17W5 | DCMP17H5P-JK87 | DCMC17H5P-JK87 | DCMP17P5P-VK87 | DCMC17P5P-VK87 | DCMMP17H5P-J | DCMMC17H5P-J | DCM17H5P-JNMB | DCM17H5P-JNMBK52 |
| DC | 21WA4 | DCMP21HA4P-JK87 | DCMC21HA4P-JK87 | DCMP21PA4P-VK87 | DCMC21PA4P-VK87 | DCMMP21HA4P-J | DCMMC21HA4P-J | DCM21HA4P-JNMB | DCM21HA4P-JNMBK52 |
| DC | 25W3 | DCMP25H3P-JK87 | DCMP25H3P-VK87 | DCMC25P3P-VK87 | DCMC25P3P-JK87 | DCMMP25H3P-J | DCMMC25H3P-J | DCM25H3P-JNMB | DCM25H3P-JNMBK52 |
| DC | 27W2 | DCMP27H2P-JK87 | DCMC27H2P-JK87 | DCMP27P2P-VK87 | DCMC27P2P-VK87 | DCMMP27H2P-J | DCMMC27H2P-J | DCM27H2P-JNMB | DCM27H2P-JNMBK52 |

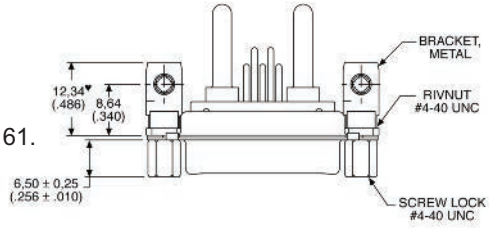
* Hardware Modifier not allowed with Non Magnetic/ Low Outgassing Combo-D-; contact factory for more information

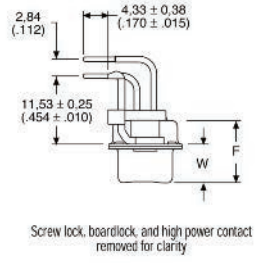
### Plug






- For contact cavity arrangements, see page 61.
- For pcb hole pattern, see pages 82-84.
- For mounting methods, see pages 59-60.

US version shown – for EU version, please see readers resource section, page 92-93.

### Dimensions

| **Shell size** | **A ± 0,38 (.015)** | **B ± 0,13 (.005)** | **C ± 0,13 (.005)** | **D ± 0,13 (.005)** | **E ± 0,38 (.015)** | **F ± 0,25 (.010)** | **W ± 0,368 (.0145)** | **W ± 0,41 (.016)** | **L ± 0,25 (.010)** |
|---|---|---|---|---|---|---|---|---|---|
| **DE** | 30,81 (1.213) | 16,92 (.665) | 24,99 (.984) | 8,36 (.329) | 12,55 (.494) | 10,72 (.422) | 6,693 (.2635) | — | 0,76 (.030) |
| **DA** | 39,14 (1.541) | 25,25 (.994) | 33,32 (1.312) | 8,36 (.329) | 12,55 (.494) | 10,72 (.422) | 6,693 (.2635) | — | 0,76 (.030) |
| **DB** | 53,04 (2.088) | 38,96 (1.534) | 47,04 (1.852) | 8,36 (.329) | 12,55 (.494) | 10,82 (.426) | — | 6,84 (.269) | 0,99 (.039) |
| **DC** | 69,32 (2.729) | 55,42 (2.182) | 63,50 (2,500) | 8,36 (.329) | 12,55 (.494) | 10,82 (.426) | — | 6,84 (.269) | 0,99 (.039) |

ITT

Dimensions shown in mm
Specifications and dimensions subject to change

www.ittcannon.com

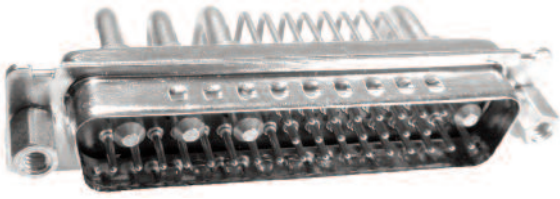
# 40 A High power 90° PCB Plug, size DD, with metal bracket

**40 A High power inserted with US footprint**
**metal bracket and UNC 4-40 captive nut**

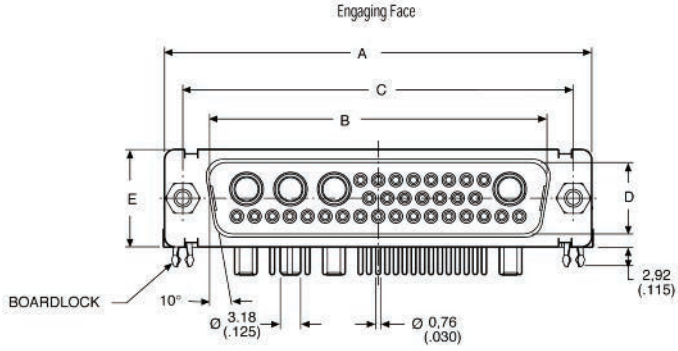
| | | INDUSTRIAL | | MILITARY/HI-REL | | NON-MAGNETIC/LOW OUTGASSING* | |
|---|---|---|---|---|---|---|---|
| **Shell size** | **Layout** | **P/N without Boardlock** | **P/N with Boardlock** | **P/N without Boardlock** | **P/N with UNC Boardlock** | **P/N with Cadmium Plating** | **P/N with Gold Plating** |
| DD | 24WK7 | DDMP24H7P-JK87 | DDMC24H7P-JK87 | DDMMP24H7P-J | DDMMC24H7P-J | DDM24H7P-JNMB | DDM24H7P-JNMBK52 |
| DD | 36W4 | DDMP36H4P-JK87 | DDMC36H4P-JK87 | DDMMP36H4P-J | DDMMC36H4P-J | DDM36H7P-JNMB | DDM36H7P-JNMBK52 |
| DD | 43W2 | DDMP43H2P-JK87 | DDMC43H2P-JK87 | DDMMP43H2P-J | DDMMC43H2P-J | DDM43H7P-JNMB | DDM43H7P-JNMBK52 |
| DD | 47W1 | DDMP47H1P-JK87 | DDMC47H1P-JK87 | DDMMP47H1P-J | DDMMC47H1P-J | DDM47H7P-JNMB | DDM47H7P-JNMBK52 |

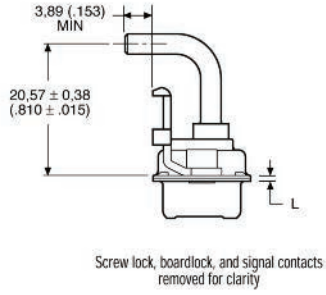
* Hardware Modifier not allowed with Non Magnetic/ Low Outgassing Combo-D; contact factory for more information

## Plug

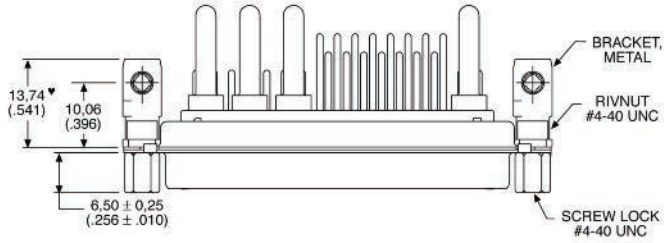


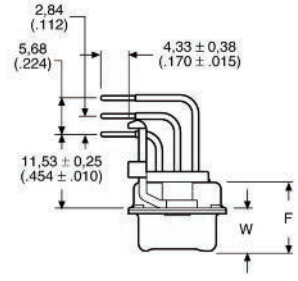
- For contact cavity arrangements, see page 61.
- For pcb hole pattern, see pages 82-84.
- For mounting methods, see pages 59-60.




Screw lock, boardlock, and signal contacts removed for clarity




Screw lock, boardlock, and high power contact removed for clarity

## Dimensions

| Shell size | A ± 0,38 (.015) | B ± 0,13 (.005) | C ± 0,13 (.005) | D ± 0,13 (.005) | E ± 0,38 (.015) | F ± 0,25 (.010) | W ± 0,41 (.015) | L ± 0,25 (.010) |
|---|---|---|---|---|---|---|---|---|
| DD | 66,93 (2.635) | 52,81 (2.079) | 61,11 (2,406) | 11,07 (.436) | 15,37 (.605) | 10,82 (.426) | 6,84 (.269) | 0,99 (.039) |

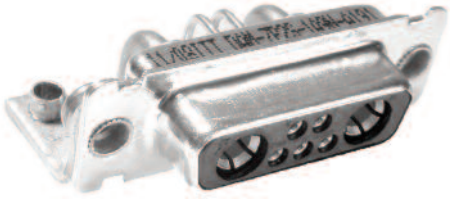
Dimensions shown in mm
Specifications and dimensions subject to change

## 40 A High power 90° PCB Receptacle, sizes DE – DC, with metal bracket

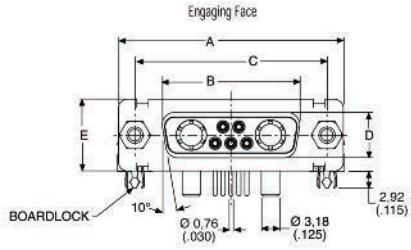
| | | INDUSTRIAL – US<br>40 A High power inserted with<br>US footprint metal bracket<br>and UNC 4-40 captive nut | | INDUSTRIAL – EU<br>40 A High power inserted with<br>EU footprint metal bracket<br>and UNC 4-40 captive nut | | MILITARY/HI-REL – US<br>40 A High power inserted with<br>US footprint metal bracket<br>and UNC 4-40 captive nut | | NON-MAGNETIC/LOW OUTGASSING – US*<br>40 A High power inserted with<br>US footprint metal bracket<br>and UNC 4-40 screw lock | |
|---|---|---|---|---|---|---|---|---|---|
| **Shell size** | **Layout** | **P/N without Boardlock** | **P/N with Boardlock** | **P/N without Boardlock** | **P/N with Boardlock** | **P/N without Boardlock** | **P/N with Boardlock** | **P/N with Cadmium Plating** | **P/N with Gold Plating** |
| DE | 2W2 | DEMP2H2S-VA197 | DEMC2H2S-VA197 | DEMP2P2S-JA197 | DEMC2P2S-JA197 | DEMMP2H2S-V | DEMMC2H2S-V | DEM2H2S-VNMB | DEM2H2S-VNMBK52 |
| DE | 2WK2 | DEMP2HK2S-VA197 | DEMC2HK2S-VA197 | DEMP2PK2S-JA197 | DEMC2PK2S-JA197 | DEMMP2HK2S-V | DEMMC2HK2S-V | DEM2HK2S-VNMB | DEM2HK2S-VNMBK52 |
| DE | 5W1 | DEMP5H1S-VA197 | DEMC5H1S-VA197 | DEMP5P1S-JA197 | DEMC5P1S-JA197 | DEMMP5H1S-V | DEMMC5H1S-V | DEM5H1S-VNMB | DEM5H1S-VNMBK52 |
| DA | 7W2 | DAMP7H2S-VA197 | DAMC7H2S-VA197 | DAMP7P2S-JA197 | DAMC7P2S-JA197 | DAMMP7H2S-V | DAMMC7H2S-V | DAM7H2S-VNMB | DAM7H2S-VNMBK52 |
| DA | 11W1 | DAMP11H1S-VA197 | DAMC11H1S-VA197 | DAMP11P1S-JA197 | DAMC11P1S-JA197 | DAMMP11H1S-V | DAMMC11H1S-V | DAM11H1S-VNMB | DAM11H1S-VNMBK52 |
| DA | 3W3 | DAMP3H3S-VA197 | DAMC3H3S-VA197 | DAMP3P3S-JA197 | DAMC3P3S-JA197 | DAMMP3H3S-V | DAMMC3H3S-V | DAM3H3S-VNMB | DAM3H3S-VNMBK52 |
| DA | 3WK3 | DAMP3HK3S-VA197 | DAMC3HK3S-VA197 | DAMP3PK3S-JA197 | DAMC3PK3S-JA197 | DAMMP3HK3S-V | DAMMC3HK3S-V | DAM3HK3S-VNMB | DAM3HK3S-VNMBK52 |
| DB | 5W5 | DBMP5H5S-VA197 | DBMC5H5S-VA197 | DBMP5P5S-JA197 | DBMC5P5S-JA197 | DBMMP5H5S-V | DBMMC5H5S-V | DBM5H5S-VNMB | DBM5H5S-VNMBK52 |
| DB | 9W4 | DBMP9H4S-VA197 | DBMC9H4S-VA197 | DBMP9P4S-JA197 | DBMC9P4S-JA197 | DBMMP9H4S-V | DBMMC9H4S-V | DBM9H4S-VNMB | DBM9H4S-VNMBK52 |
| DB | 13W3 | DBMP13H3S-VA197 | DBMC13H3S-VA197 | DBMP13P3S-JA197 | DBMC13P3S-JA197 | DBMMP13H3S-V | DBMMC13H3S-V | DBM13H3S-VNMB | DBM13H3S-VNMBK52 |
| DB | 17W2 | DBMP17H2S-VA197 | DBMC17H2S-VA197 | DBMP17P2S-JA197 | DBMC17P2S-JA197 | DBMMP17H2S-V | DBMMC17H2S-V | DBM17H2S-VNMB | DBM17H2S-VNMBK52 |
| DB | 21W1 | DBMP21H1S-VA197 | DBMC21H1S-VA197 | DBMP21P1S-JA197 | DBMC21P1S-JA197 | DBMMP21H1S-V | DBMMC21H1S-V | DBM21H1S-VNMB | DBM21H1S-VNMBK52 |
| DC | 8W8 | DCMP8H8S-VA197 | DCMC8H8S-VA197 | DCMP8P8S-JA197 | DCMC8P8S-JA197 | DCMMP8H8S-V | DCMMC8H8S-V | DCM8H8S-VNMB | DCM8H8S-VNMBK52 |
| DC | 13W6 | DCMP13H6S-VA197 | DCMC13H6S-VA197 | DCMP13P6S-JA197 | DCMC13P6S-JA197 | DCMMP13H6S-V | DCMMC13H6S-V | DCM13H6S-VNMB | DCM13H6S-VNMBK52 |
| DC | 17W5 | DCMP17H5S-VA197 | DCMC17H5S-VA197 | DCMP17P5S-JA197 | DCMC17P5S-JA197 | DCMDMP17H5S-V | DCMMC17H5S-V | DCM17H5S-VNMB | DCM17H5S-VNMBK52 |
| DC | 21WA4 | DCMP21HA4S-VA197 | DCMC21HA4S-VA197 | DCMP21PA4S-JA197 | DCMC21PA4S-JA197 | DCMMP21HA4S-V | DCMMC21HA4S-V | DCM21HA4S-VNMB | DCMG21HA4S-VNMBK52 |
| DC | 25W3 | DCMP25H3S-VA197 | DCMC25H3S-VA197 | DCMP25P3S-JA197 | DCMC25P3S-JA197 | DCMMP25H3S-V | DCMMC25H3S-V | DCM25H3S-VNMB | DCM25H3S-VNMBK52 |
| DC | 27W2 | DCMP27H2S-VA197 | DCMC27H2S-VA197 | DCMP27P2S-JA197 | DCMC27P2S-JA197 | DCMMP27H2S-V | DCMMC27H2S-V | DCM27H2S-VNMB | DCM27H2S-VNMBK52 |

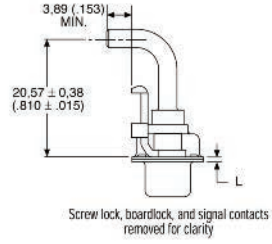
* Hardware Modifier not allowed with Non Magnetic/ Low Outgassing Combo-D; contact factory for more information

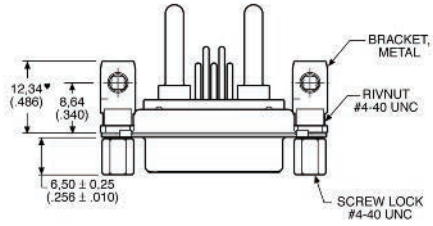
### Receptacle

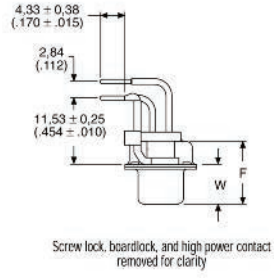


- For contact cavity arrangements, see page 61.
- For pcb hole pattern, see pages 85-87.
- For mounting methods, see pages 59-60.




US version shown – for EU version, please see readers resource section, page 94-95.

### Dimensions

| Shell size | A ± 0,38 (.015) | B ± 0,13 (.005) | C ± 0,13 (.005) | D ± 0,13 (.005) | E ± 0,38 (.015) | F ± 0,25 (.010) | W ± 0,38 (.015) | L ± 0,25 (.010) |
|---|---|---|---|---|---|---|---|---|
| DE | 30,81 (1.213) | 16,33 (.643) | 24,99 (.984) | 7,90 (.311) | 12,55 (.494) | 10,90 (.429) | 6,94 (.273) | 0,76 (.030) |
| DA | 39,14 (1.541) | 24,65 (.971) | 33,32 (1.312) | 7,90 (.311) | 12,55 (.494) | 10,90 (.429) | 6,94 (.273) | 0,76 (.030) |
| DB | 53,04 (2.088) | 38,38 (1.511) | 47,04 (1.852) | 7,90 (.311) | 12,55 (.494) | 10,90 (.429) | 6,94 (.273) | 0,76 (.030) |
| DC | 69,32 (2.729) | 54,84 (2.159) | 63,50 (2,500) | 7,90 (.311) | 12,55 (.494) | 10,90 (.429) | 6,94 (.273) | 0,76 (.030) |

Dimensions shown in mm
Specifications and dimensions subject to change

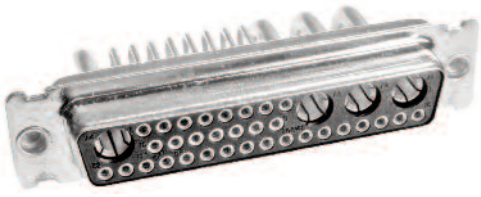
## 40 A High power 90° PCB Receptacle, size DD, with metal bracket

**40 A High power inserted with US footprint**
**metal bracket and UNC 4-40 captive nut**

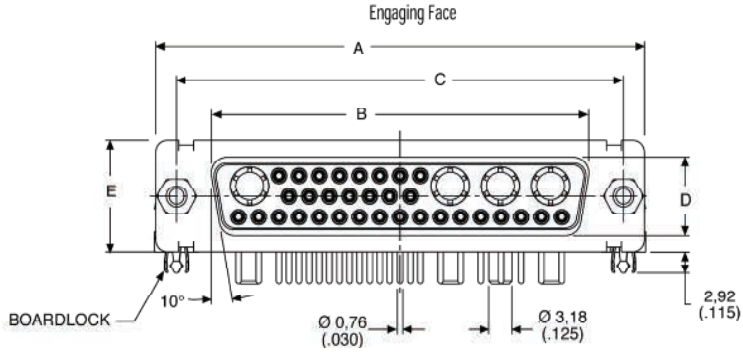
| | | INDUSTRIAL | | MILITARY/HI-REL | | NON-MAGNETIC/LOW OUTGASSING* | |
|---|---|---|---|---|---|---|---|
| Shell size | Layout | P/N without Boardlock | P/N with Boardlock | P/N without Boardlock | P/N with UNC Boardlock | P/N with Cadmium Plating | P/N with Gold Plating |
| DD | 24WK7 | DDMP24H7S-JA197 | DDMC24H7S-JA197 | DDMMP24H7S-J | DDMMC24H7S-J | DDM24H7S-JNMB | DDM24H7S-JNMBK52 |
| DD | 36W4 | DDMP36H4S-JA197 | DDMC36H4S-JA197 | DDMMP36H4S-J | DDMMC36H4S-J | DDM36H4S-JNMB | DDM36H4S-JNMBK52 |
| DD | 43W2 | DDMP43H2S-JA197 | DDMC43H2S-JA197 | DDMMP43H2S-J | DDMMC43H2S-J | DDM43H2S-JNMB | DDM43H2S-JNMBK52 |
| DD | 47W1 | DDMP47H1S-JA197 | DDMC47H1S-JA197 | DDMMP47H1S-J | DDMMC47H1S-J | DDM47H1S-JNMB | DDM47H1S-JNMBK52 |

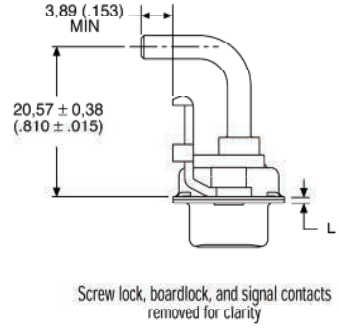
* Hardware Modifier not allowed with Non Magnetic/ Low Outgassing Combo-D; contact factory for more information

### Plug

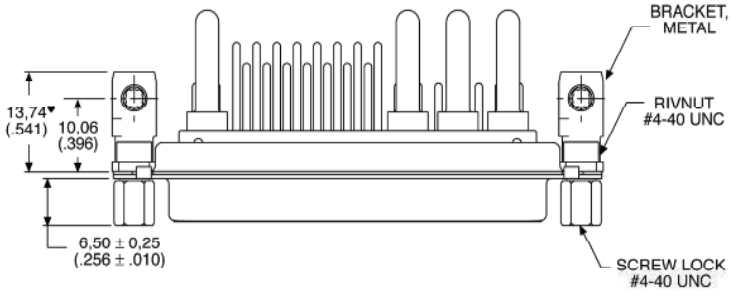


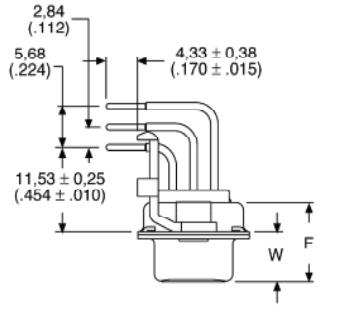
- For contact cavity arrangements, see page 62.
- For pcb hole pattern, see page 85-87.
- For mounting methods, see pages 59-60.




Screw lock, boardlock, and signal contacts removed for clarity




Screw lock, boardlock, and high power contact removed for clarity

### Dimensions

| Shell size | A ± 0,38 (.015) | B ± 0,13 (.005) | C ± 0,13 (.005) | D ± 0,13 (.005) | E ± 0,38 (.015) | F ± 0,25 (.010) | W ± 0,38 (.015) | L ± 0,25 (.010) |
|---|---|---|---|---|---|---|---|---|
| DD | 66,93 (2.635) | 52,42 (2.064) | 61,11 (2,406) | 10,74 (.423) | 15,37 (.605) | 10,90 (.429) | 6,94 (.273) | 0,76 (.030) |

# 40 A High Power 90° PCB Plug- European footprint, sizes DE-DC, with bracket

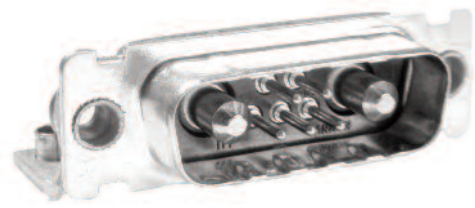
**40 A High power inserted with US footprint**
**metal bracket and UNC 4-40 captive nut**

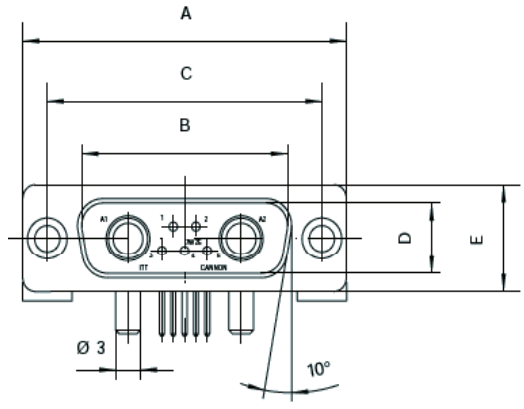
| | | Part numbers with bracket and captive nut M3 | | Part numbers with bracket with dia. 3,05 | | Part numbers with bracket with post M3 | |
|---|---|---|---|---|---|---|---|
| **Shell size** | **Layout** | **Plastic Bracket** | **Metal Bracket** | **Plastic Bracket** | **Metal Bracket** | **Plastic Bracket** | **Metal Bracket** |
| DE | 2W2 | DEM-2P2P-1ATN-A191-K87 | DEM-2P2P-1A9N-A191-K87 | DEM-2P2P-1A5N-A191-K87 | DEM-2P2P-1AFN-A191-K87 | DEM-2P2P-APN-A191-K87 | DEM-SP2P-1AHN-A191-K87 |
| DE | 2WK2 | DEM-2PK2P-1ATN-A191-K87 | DEM-2PK2P-1A9N-A191-K87 | DEM-2PK2P-1A5N-A191-K87 | DEM-2PK2P-1AFN-A191-K87 | DEM-2PK2P-APN-A191-K87 | DEM-2PK2P-1AHN-A191-K87 |
| DE | 5W1 | DEM-5P1P-1ATN-A191- K87 | DEM-5P1P-1A9N-A191-K87 | DEM-5P1P-1A5N-A191-K87 | DEM-5P1P-1AFN-A191-K87 | DEM-5P1P-APN-A191-K87 | DEM-5P1P-1AHN-A191-K87 |
| DA | 7W2 | DAM-7P2P-1ATN-A191-K87 | DAM-7P2P-1A9N-A191-K87 | DAM-7P2P-1A5N-A191-K87 | DAM-7P2P-1AFN-A191-K87 | DAM-7P2P-1APN-A191-K87 | DAM-7P2P-1AHN-A191-K87 |
| DA | 11W1 | DAM-11P1P-1ATN-A191-K87 | DAM-11P1P-1A9N-A191-K87 | DAM-11P1P-1A5N-A191-K87 | DAM-11P1P-1AFN-A191-K87 | DAM-11P1P-1APN-A191-K87 | DAM-11P1P-1AHN-A191-K87 |
| DA | 3W3 | DAM-3P3P-1ATN-A191-K87 | DAM-3P3P-1A9N-A191-K87 | DAM-3P3P-1A5N-A191-K87 | DAM-3P3P-1AFN-A191-K87 | DAM-3P3P-1APN-A191-K87 | DAM-3P3P-1AHN-A191-K87 |
| DA | 3WK3 | DAM-3PK3P-1ATN-A191-K87 | DAM-3PK3P-1A9N-A191-K87 | DAM-3PK3P-1A5N-A191-K87 | DAM-3PK3P-1AFN-A191-K87 | DAM-3PK3P-1APN-A191-K87 | DAM-3PK3P-1AHN-A191-K87 |
| DB | 5W5 | DBM-5P5P-1ATN-A191-K87 | DBM-5P5P-1A9N-A191-K87 | DBM-5P5P-1A5N-A191-K87 | DBM-5P5P-1AFN-A191-K87 | DBM-5P5P-1APN-A191-K87 | DBM-5P5P-1AHN-A191-K87 |
| DB | 9W4 | DBM-9P4P-1ATN-A191-K87 | DBM-9P4P-1A9N-A191-K87 | DBM-9P4P-1A5N-A191-K87 | DBM-9P4P-1AFN-A191-K87 | DBM-9P4P-1APN-A191-K87 | DBM-9P4P-1AHN-A191-K87 |
| DB | 13W3 | DBM-13P3P-1ATN-A191-K87 | DBM-13P3P-1A9N-A191-K87 | DBM-13P3P-1A5N-A191-K87 | DBM-1PC3P-1AFN-A191-K87 | DBM-13P3P-1APN-A191-K87 | DBM-13P3P-1AHN-A191-K87 |
| DB | 17W2 | DBM-17PSP-1ATN-A191-K87 | DBM-17PSP-1A9N-A191-K87 | DBM-17PSP-1A5N-A191-K87 | DBM-17PSP-1AFN-A191-K87 | DBM-17PSP-1APN-A191-K87 | DBM-17PSP-1AHN-A191-K87 |
| DB | 21W1 | DBM-21P1P-1ATN-A191-K87 | DBM-21P1P-1A9N-A191-K87 | DBM-21P1P-1A5N-A191-K87 | DBM-21P1P-1AFN-A191-K87 | DBM-21P1P-1APN-A191-K87 | DBM-21P1P-1AHN-A191-K87 |
| DC | 8W8 | DCM-8P8P-1ATN-A191-K87 | DCM-8P8P-1A9N-A191-K87 | DCM-8P8P-1A5N-A191-K87 | DCM-8P8P-1AFN-A191-K87 | DCM-8P8P-1APN-A191-K87 | DCM-8P8P-1AHN-A191-K87 |
| DC | 13W6 | DCM-13P6P-1ATN-A191-K87 | DCM-13P6P-1A9N-A191-K87 | DCM-13P6P-1A5N-A191-K87 | DCM-13P6P-1AFN-A191-K87 | DCM-13P6P-1APN-A191-K87 | DCM-13P6P-1AHN-A191-K87 |
| DC | 17W5 | DCM-17P5P-1ATN-A191-K87 | DCM-17P5P-1A9N-A191-K87 | DCM-17P5P-1A5N-A191-K87 | DCM-17P5P-1AFN-A191-K87 | DCM-17P5P-1APN-A191-K87 | DCM-17P5P-1AHN-A191-K87 |
| DC | 21WA4 | DCM-21PA4P-1ATN-A191-K87 | DCM-21PA4P-1A9N-A191-K87 | DCM-21PA4P-1A5N-A191-K87 | DCM-21PA4P-1AFN-A191-K87 | DCM-21PA4S-1APN-A191-K87 | DCM-21PA4P-1AHN-A191-K87 |
| DC | 25W3 | DCM-25P3P-1ATN-A191-K87 | DCM-25P3P-1A9N-A191-K87 | DCM-25P3P-1A5N-A191-K87 | DCM-25P3P-1AFN-A191-K87 | DCM-25P3P-1APN-A191-K87 | DCM-25P3P-1AHN-A191-K87 |
| DC | 27W2 | DCM-27P2P-1ATN-A191-K87 | DCM-27P2P-1A9N-A191-K87 | DCM-27P2P-1A5N-A191-K87 | DCM-27P2P-1AFN-A191-K87 | DCM-27P2P-1APN-A191-K87 | DCM-27P2-1AHN-A191-K87 |

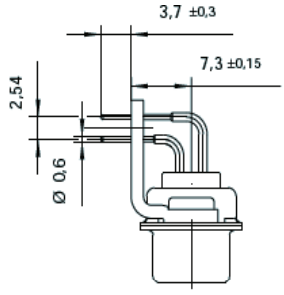
For performance class 1 replace A191 with A190.
For performance class 3 delete A191.

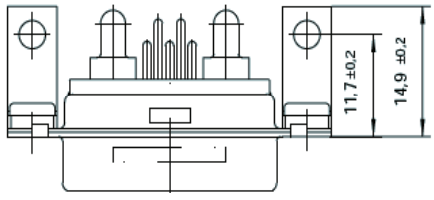
For 3,0 mm pushfit please add -146 modifier;
For 3,2 mm pushfit please add -162 modifer.

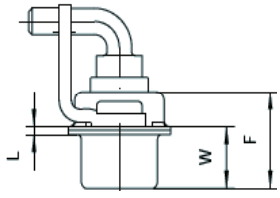
## Plug






- For contact cavity arrangements, see page 61.
- For pcb hole pattern, see pages 88-89.
- For mounting methods, see pages 59-60.

## Dimensions

| **Shell size** | **A ± 0,38 (.015)** | **B ± 0,13 (.005)** | **C ± 0,13 (.005)** | **D ± 0,13 (.005)** | **E ± 0,38 (.015)** | **F ± 0,25 (.010)** | **L ± 0,2 (008)** | **W ± 0,40 (.016)** |
|---|---|---|---|---|---|---|---|---|
| **DE** | 30,8 (1.213) | 16,90 (.665) | 25,0 (.984) | 8,35 (.329) | 12,55 (.494) | 10,70 (.421) | 0,8 (.031) | 6,70 (.264) |
| **DA** | 39,15 (1.541) | 24,25 (.994) | 33,3 (1.311) | 8,35 (.329) | 12,55 (.494) | 10,70 (.421) | 0,8 (.031) | 6,70 (.264) |
| **DB** | 53,05 (2.089) | 38,95 (1.533) | 47,05 (1.852) | 8,35 (.329) | 12,55 (.494) | 10,80 (.425) | 0,8 (.031) | 6,80 (.268) |
| **DC** | 69,3 (2.089) | 55,4 (2.181) | 63,50 (2,500) | 8,35 (.329) | 12,55 (.494) | 10,80 (.425) | 0,8 (.031) | 6,80 (.268) |

Dimensions shown in mm
Specifications and dimensions subject to change

## 40 A High power 90° Plug- European footprint, size DD with bracket

**Part numbers with bracket and captive nut M3**

| Shell size | Layout | P/N without Boardlock | P/N with Boardlock |
|---|---|---|---|
| DD | 24W7 | DDM-24P7P-1A9N-A191-K87 | DDM-24P7P-1ATN-A191-K87 |
| DD | 36W4 | DDM-36P4P-1A9N-A191-K87 | DDM-36P4P-1ATN-A191-K87 |
| DD | 43W2 | DDM-43P2P-1A9N-A191-K87 | DDM-43P2P-1ATN-A191-K87 |
| DD | 47W1 | DDM-47P1P-1A9N-A191-K87 | DDM-47P1P-1ATN-A191-K87 |

**Part numbers with bracket with bushing diam. 3,05**

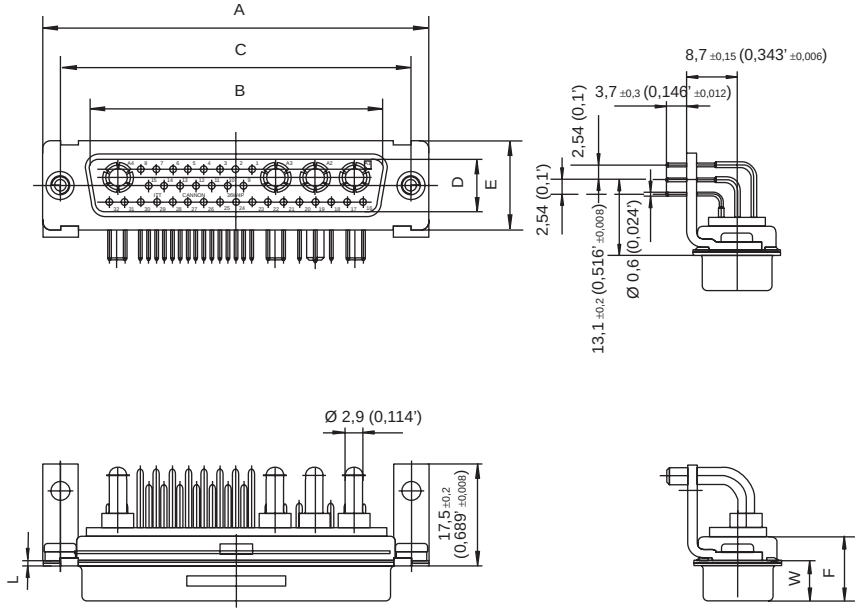
| P/N without Boardlock | P/N with UNC Boardlock | P/N with through Boardlock | P/N with Boardlock |
|---|---|---|---|
| DDM-24P7P-1AFN-A191-K87 | DDM-24P7P-1A5N-A191-K87 | DDM-24P7P-1AHN-A191-K87 | DDM-24P7P-1APN-A191-K87 |
| DDM-36P4P-1AFN-A191-K87 | DDM-36P4P-1A5N-A191-K87 | DDM-36P4P-1AHN-A191-K87 | DDM-36P4P-1APN-A191-K87 |
| DDM-43P2P-1AFN-A191-K87 | DDM-43P2P-1A5N-A191-K87 | DDM-43P2P-1AHN-A191-K87 | DDM-43P2P-1APN-A191-K87 |
| DDM-47P1P-1AFN-A191-K87 | DDM-47P1P-1A5N-A191-K87 | DDM-47P1P-1AHN-A191-K87 | DDM-47P1P-1APN-A191-K87 |

**Part numbers with bracket and post M3**

### Plug



- For contact cavity arrangements, see page 61.
- For pcb hole pattern, see pages 88-89.
- For mounting methods, see pages 59-60.




### Dimensions

| Shell size | A ± 0,38 (.015) | B ± 0,13 (.005) | C ± 0,13 (.005) | D ± 0,13 (.005) | E ± 0,38 (.015) | F ± 0,25 (.010) | L ± 0,20 (.008) | W ± 0,40 (.015) |
|---|---|---|---|---|---|---|---|---|
| DD | 66,93 (2.636) | 52,08 (2.050) | 61,11 (2,406) | 11,10 (.437) | 15,40 (.606) | 10,80 (.425) | 0,90 (.035) | 6,85 (.270) |

# 40 A High power 90° Receptacle, European footprint, sizes DE-DC, with bracket

**40 A High power inserted with US footprint**
**metal bracket and UNC 4-40 captive nut**

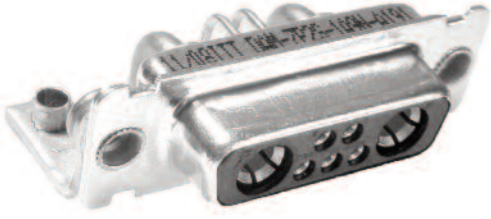
| | | Part numbers with bracket and captive nut M3 | | Part numbers with bracket with dia. 3,05 | | Part numbers with bracket with post M3 | |
|---|---|---|---|---|---|---|---|
| Shell size | Layout | Metal Bracket | Plastic Bracket | Metal Bracket | Plastic Bracket | Metal Bracket | Plastic Bracket |
| DE | 2W2 | DEM-2P2S-1A9N-A191-A197 | DEM-2P2S-1ATN-A191-A197 | DEM-2P2-1AFN-A191-A197 | DEM-2P2S-1A5N-A191-A197 | DEM-2P2S-1AHN-A191-A197 | DEM-2P2S-1APN-A191-A197 |
| DE | 2WK2 | DEM-2PK2S-1A9N-A191-A197 | DEM-2PK2S-1ATN-A191-A197 | DEM-2PK2-1AFN-A191-A197 | DEM-2PK2S-1A5N-A191-A197 | DEM-2PK2S-1AHN-A191-A197 | DEM-2PK2S-1APN-A191-A197 |
| DE | 5W1 | DEM-5P1S-1A9N-A191-A197 | DEM-5P1S-1ATN-A191-A197 | DEM-5P1S-1AFN-A191-A197 | DEM-5P1S-1A5N-A191-A197 | DEM-5P1S-1AHN-A191-A197 | DEM-5P1S-1APN-A191-A197 |
| DA | 7W2 | DAM-7P2S-1A9N-A191-A197 | DAM-7P2S-1ATN-A191-A197 | DAM-7P2S-1AFN-A191-A197 | DAM-7P2S-1A5N-A191-A197 | DAM-7P2S-1AHN-A191-A197 | DAM-7P2S-1APN-A191-A197 |
| DA | 11W1 | DAM-11P1S-1A9N-A191-A197 | DAM-11P1S-1ATN-A191-A197 | DAM-11P1S-1AFN-A191-A197 | DAM-11P1S-1A5N-A191-A197 | DAM-11P1S-1AHN-A191-A197 | DAM-11P1S-1APN-A191-A197 |
| DA | 3W3 | DAM-3P3S-1A9N-A191-A197 | DAM-3P3S-1ATN-A191-A197 | DAM-3P3S-1AFN-A191-A197 | DAM-11P1S-1A5N-A191-A197 | DAM-3P3S-1AHN-A191-A197 | DAM-3P3S-1APN-A191-A197 |
| DA | 3WK3 | DAM-3PK3S-1A9N-A191-A197 | DAM-3PK3S-1ATN-A191-A197 | DAM-3PK3S-1AFN-A191-A197 | DAM-3PK3S-1A5N-A191-A197 | DAM-3PK3S-1AHN-A191-A197 | DAM-3PK3S-1APN-A191-A197 |
| DB | 5W5 | DBM-5P5S-1A9N-A191-A197 | DBM-5P5S-1ATN-A191-A197 | DBM-5P5S-1AFN-A191-A197 | DBM-5P5S-1A5N-A191-A197 | DBM-5P5S-1AHN-A191-A197 | DBM-5P5S-1APN-A191-A197 |
| DB | 9W4 | DBM-9P4S-1A9N-A191-A197 | DBM-9P4S-1ATN-A191-A197 | DBM-9P4S-1AFN-A191-A197 | DBM-9P4S-1A5N-A191-A197 | DBM-9P4S-1AHN-A191-A197 | DBM-9P4S-1APN-A191-A197 |
| DB | 13W3 | DBM-13P3S-1A9N-A191-A197 | DBM-13P3S-1ATN-A191-A197 | DBM-13P3S-1AFN-A191-A197 | DBM-13P3S-1A5N-A191-A197 | DBM-13P3S-1AHN-A191-A197 | DBM-13P3S-1APN-A191-A197 |
| DB | 17W2 | DBM-17P2S-1A9N-A191-A197 | DBM-17P2S-1ATN-A191-A197 | DBM-17P2S-1AFN-A191-A197 | DBM-17P2S-1A5N-A191-A197 | DBM-17P2S-1AHN-A191-A197 | DBM-17P2S-1APN-A191-A197 |
| DB | 21W1 | DBM-21P1S-1A9N-A191-A197 | DBM-21P1S-1ATN-A191-A197 | DBM-21P1S-1AFN-A191-A197 | DBM-21P1S-1A5N-A191-A197 | DBM-21P1S-1AHN-A191-A197 | DBM-21P1S-1APN-A191-A197 |
| DC | 8W8 | DCM-8P8S-1A9N-A191-A197 | DCM-8P8S-1ATN-A191-A197 | DCM-8P8S-1AFN-A191-A197 | DCM-8P8S-1A5N-A191-A197 | DCM-8P8S-1AHN-A191-A197 | DCM-8P8S-1APN-A191-A197 |
| DC | 13W6 | DCM-13P6S-1A9N-A191-A197 | DCM-13P6S-1ATN-A191-A197 | DCM-13P6S-1AFN-A191-A197 | DCM-13P6S-1A5N-A191-A197 | DCM-13P6S-1AHN-A191-A197 | DCM-13P6S-1APN-A191-A197 |
| DC | 17W5 | DCM-17P5S-1A9N-A191-A197 | DCM-17P5S-1ATN-A191-A197 | DCM-17P5S-1AFN-A191-A197 | DCM-17P5S-1A5N-A191-A197 | DCM-17P5S-1AHN-A191-A197 | DCM-17P5S-1APN-A191-A197 |
| DC | 21WA4 | DCM-21PA4S-1A9N-A191-A197 | DCM-21PA4S-1ATN-A191-A197 | DCM-21PA4S-1AFN-A191-A197 | DCM-21PA4S-1A5N-A191-A197 | DCM-21PA4S-1AHN-A191-A197 | DCM-21PA4S-1APN-A191-A197 |
| DC | 25W3 | DCM-25P3S-1A9N-A191-A197 | DCM-25P3S-1ATN-A191-A197 | DCM-25P3S-1AFN-A191-A197 | DCM-25P3S-1A5N-A191-A197 | DCM-25P3S-1AHN-A191-A197 | DCM-25P3S-1APN-A191-A197 |
| DC | 27W2 | DCM-27P2S–1A9N-A191-A197 | DCM-27P2S–1ATN-A191-A197 | DCM-27P2S–1AFN-A191-A197 | DCM-27P2S–1A5N-A191-A197 | DCM-27P2S–1AHN-A191-A197 | DCM-27P2S–1APN-A191-A197 |

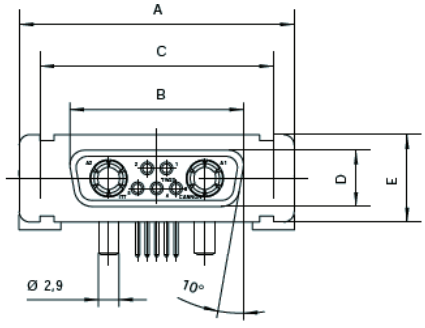
For pushfit add -146 modifier.
For performance class 1 replace A191 wtih A190.
For performance class 3 delete A191.

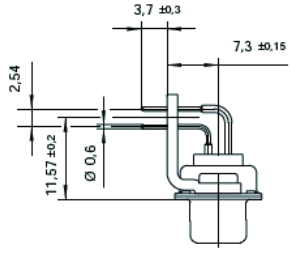
For captive nut 4-40 UNC thread replace 1A9N with 1A7N and 1AHN with 1A8N.

For pushfit 90° pcb hole diameter 3,2 mm replace 146 with 162.

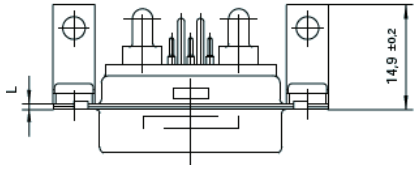
## Receptacle

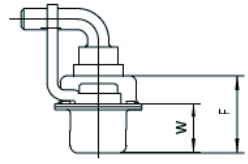





- For contact cavity arrangements, see page 62.
- For pcb hole pattern, see pages 90-91.
- For mounting methods, see pages 59-60.




## Dimensions

| Shell size | A ± 0,38 (.015) | B ± 0,13 (.005) | C ± 0,13 (.005) | D ± 0,13 (.005) | E ± 0,38 (.015) | F ± 0,25 (.010) | L ± 0,2 (008) | W ± 0,40 (.016) |
|---|---|---|---|---|---|---|---|---|
| DE | 30,8 (1.213) | 16,35 (.644) | 25,0 (.984) | 7,9 (.311) | 12,55 (.494) | 10,90 (.429) | 0,8 (.031) | 6,95 (.274) |
| DA | 39,15 (1.541) | 24,65 (.970) | 33,3 (1.311) | 7,9 (.311) | 12,55 (.494) | 10,90 (.429) | 0,8 (.031) | 6,95 (.274) |
| DB | 53,05 (2.089) | 38,4 (1.512) | 47,05 (1.852) | 7,9 (.311) | 12,55 (.494) | 10,90 (.429) | 0,8 (.031) | 6,95 (.274) |
| DC | 69,3 (2.089) | 54,85 (2.159) | 63,50 (2,500) | 7,9 (.311) | 12,55 (.494) | 10,90 (.429) | 0,8 (.031) | 6,95 (.274) |

Dimensions shown in mm
Specifications and dimensions subject to change

## 40 A High power 90° Receptacle - European footprint, size DD, with bracket

**Part numbers with bracket and captive nut M3**

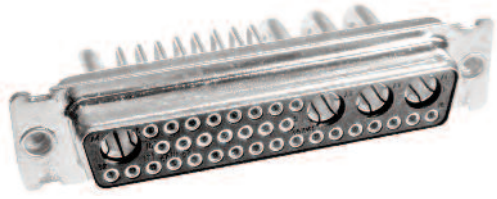
**Part numbers with bracket with bushing diam. 3,05**

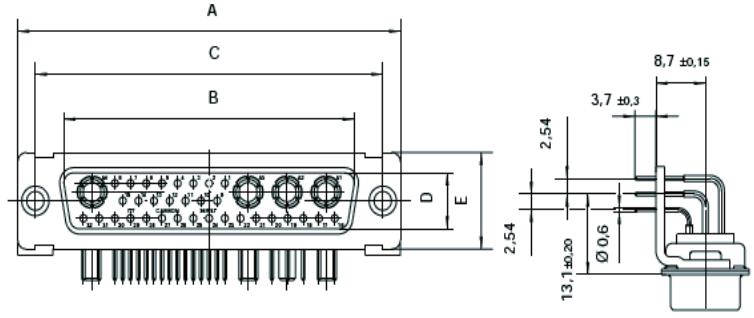
**Part numbers with bracket and post M3**

| Shell size | Layout | P/N without Boardlock | P/N with Boardlock | P/N without Boardlock | P/N with UNC Boardlock | P/N with through Boardlock | P/N with Boardlock |
|---|---|---|---|---|---|---|---|
| DD | 24WK7 | DDM-24P7S-1A9N-A191-A197 | DDM-24P7S-1ATN-A191-A197 | DDM-24P7S-1AFN-A191-A197 | DDM-24P7S-1A5N-A191-A197 | DDM-24P7S-1AHN-A191-A197 | DDM-24P7S-1APN-A191-A197 |
| DD | 36W4 | DDM-36P4S-1A9N-A191-A197 | DDM-36P4S-1ATN-A191-A197 | DDM-36P4S-1AFN-A191-A197 | DDM-36P4S-1A5N-A191-A197 | DDM-36P4S-1AHN-A191-A197 | DDM-36P4S-1APN-A191-A197 |
| DD | 43W2 | DDM-43P2S-1A9N-A191-A197 | DDM-43P2S-1ATN-A191-A197 | DDM-43P2S-1AFN-A191-A197 | DDM-43P2S-1A5N-A191-A197 | DDM-43P2S-1AHN-A191-A197 | DDM-43P2S-1APN-A191-A197 |
| DD | 47W1 | DDM-47P1S-1A9N-A191-A197 | DDM-47P1S-1ATN-A191-A197 | DDM-47P1S-1AFN-A191-A197 | DDM-47P1S-1A5N-A191-A197 | DDM-47P1S-1AHN-A191-A197 | DDM-47P1S-1APN-A191-A197 |

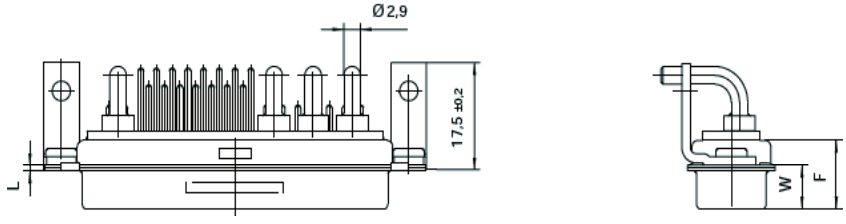
For captive nut 4-40 UNC replace 1A9N with 1A7N and 1AHN with 1A8N.

### Receptacle






- For contact cavity arrangements, see page 62.
- For pcb hole pattern, see pages 90-91.
- For mounting methods, see pages 59-60.




### Dimensions

| Shell size | A ± 0,38 (.015) | B ± 0,13 (.005) | C ± 0,13 (.005) | D ± 0,13 (.005) | E ± 0,38 (.015) | F ± 0,25 (.010) | W ± 0,38 (.015) | L ± 0,25 (.010) |
|---|---|---|---|---|---|---|---|---|
| DD | 66,93 (2.635) | 52,42 (2.064) | 61,11 (2,406) | 10,74 (.423) | 15,37 (.605) | 10,90 (.429) | 6,84 (.269) | 0,76 (.030) |

# 40 A High power straight PCB Plug, sizes DE – DC

**40 A High power inserted with straight contacts and standoff with UNC 4-40 thread**

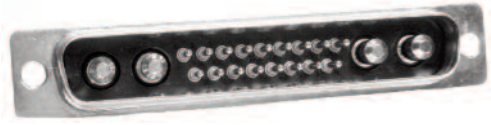
| | | INDUSTRIAL | | MILITARY/HI-REL | | NON-MAGNETIC*/LOW OUTGASSING** | |
|---|---|---|---|---|---|---|---|
| Shell size | Layout | P/N without Boardlock | P/N with Boardlock | P/N without Boardlock | P/N with UNC Boardlock | P/N with Cadmium Plating | P/N with Gold Plating |
| DE | 2W2 | DEMV2H2P-NK87 | DEMZ2H2P-NK87 | DEMMV2H2P-N | DEMMZ2H2P-N | DEM2H2P-NNMB | DEMZ2H2P-NNMBK52 |
| DE | 2WK2 | DEMV2HK2P-NK87 | DEMZ2HK2P-NK87 | DEMMV2HK2P-N | DEMMZ2HK2P-N | DEM2HK2P-NNMB | DEMZ2HK2P-NNMBK52 |
| DE | 5W1 | DEMV5H1P-NK87 | DEMZ5H1P-NK87 | DEMMV5H1P-N | DEMMZ5H1P-N | DEM5H1P-NNMB | DEMZ5H1P-NNMBK52 |
| DA | 7W2 | DAMV7H2P-NK87 | DAMZ7H2P-NK87 | DAMMV7H2P-N | DAMMZ7H2P-N | DAM7H2P-NNMB | DAMZ7H2P-NNMBK52 |
| DA | 11W1 | DAMV11H1P-NK87 | DAMZ11H1P-NK87 | DAMMV11H1P-N | DAMMZ11H1P-N | DAM11H1P-NNMB | DAMZ11H1P-NNMBK52 |
| DA | 3W3 | DAMV3H3P-NK87 | DAMZ3H3P-NK87 | DAMMV3H3P-N | DAMMZ3H3P-N | DAM3H3P-NNMB | DAMZ3H3P-NNMBK52 |
| DA | 3WK3 | DAMV3HK3-NK87 | DAMZ3HK3P-NK87 | DAMMV3HK3P-N | DAMMZ3HK3P-N | DAM3HK3P-NNMB | DAMZ3HK3P-NNMBK52 |
| DB | 5W5 | DBMV5H5P-NK87 | DBMZ5H5P-NK87 | DBMMV5H5P-N | DBMMZ5H5P-N | DBM5H5P-NNMB | DBMZ5H5P-NNMBK52 |
| DB | 9W4 | DBMV9H4P-NK87 | DBMZ9H4P-NK87 | DBMMV9H4P-N | DBMMZ9H4P-N | DBM9H4P-NNMB | DBMZ9H4P-NNMBK52 |
| DB | 13W3 | DBMV13H3P-NK87 | DBMZ13H3P-NK87 | DBMMV13H3P-N | DBMMZ13H3P-N | DBM13H3P-NNMB | DBMZ13H3P-NNMBK52 |
| DB | 17W2 | DBMV17H2P-NK87 | DBMZ17H2P-NK87 | DBMMV17H2P-N | DBMMZ17H2P-N | DBM17H2P-NNMB | DBMZ17H2P-NNMBK52 |
| DB | 21W1 | DBMV21H1P-NK87 | DBMZ21H1P-NK87 | DBMMV21H1P-N | DBMMZ21H1P-N | DBM21H1P-NNMB | DBMZ21H1P-NNMBK52 |
| DC | 8W8 | DCMV8H8P-NK87 | DCMZ8H8P-NK87 | DCMMV8H8P-N | DCMMZ8H8P-N | DCM8H8P-NNMB | DCMZ8H8P-NNMBK52 |
| DC | 13W6 | DCMV13H6P-NK87 | DCMZ13H6P-NK87 | DCMMV13H6P-N | DCMMZ13H6P-N | DCM13H6P-NNMB | DCMZ13H6P-NNMBK52 |
| DC | 17W5 | DCMV17H5P-NK87 | DCMZ17H5P-NK87 | DCMMV17H5P-N | DCMMZ17H5P-N | DCM17H5P-NNMB | DCMZ17H5P-NNMBK52 |
| DC | 21WA4 | DCMV21HA4P-NK87 | DCMZ21HA4P-NK87 | DCMMV21HA4P-N | DCMMZ21HA4P-N | DCM21HA4P-NNMB | DCMZ21HA4P-NNMBK52 |
| DC | 25W3 | DCMV25H3P-NK87 | DCMZ25H3P-NK87 | DCMMV25H3P-N | DCMMZ25H3P-N | DCM25H3P-NNMB | DCMZ25H3P-NNMBK52 |
| DC | 27W2 | DCMV27H2P-NK87 | DCMZ27H2P-NK87 | DCMMV27H2P-N | DCMMZ27H2P-N | DCM27H2P-NNMBK | DCMZ27H2P-NNMBK52 |

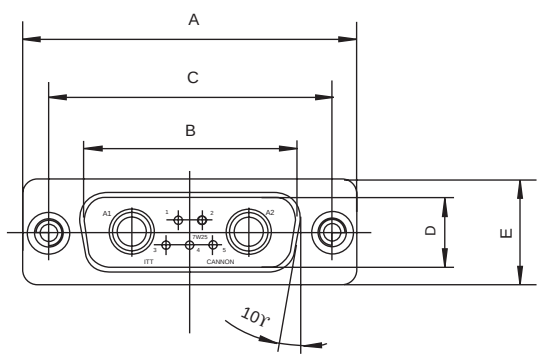
* For Spacers; Order P/N 253-0343-008, 2 each

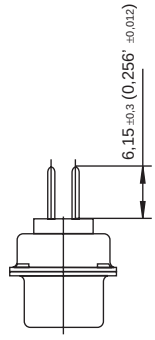
** Hardware Modifier not allowed on Non-Magnetic/Low Outgassing Versions; consult factory for more information

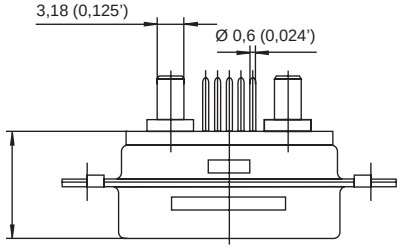
**For M-3 and other hardware options, see part number designator, page 7.

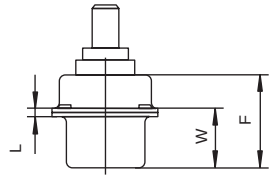
## Plug






- For contact cavity arrangements, see page 61.
- For pcb hole pattern, see pages 92-94.
- For mounting methods, see pages 59-60.

## Dimensions

| Shell size | A ± 0,38 (.015) | B ± 0,13 (.005) | C ± 0,13 (.005) | D ± 0,13 (.005) | E ± 0,38 (.015) | F ± 0,25 (.010) | W ± 0,368 (.0145) | W ± 0,41 (.016) | L ± 0,25 (.010) |
|---|---|---|---|---|---|---|---|---|---|
| DE | 30,81 (1.213) | 16,92 (.665) | 24,99 (.984) | 8,36 (.329) | 12,55 (.494) | 10,72 (.422) | 6,693 (.2635) | — | 0,76 (.030) |
| DA | 39,14 (1.541) | 25,25 (.994) | 33,32 (1.312) | 8,36 (.329) | 12,55 (.494) | 10,72 (.422) | 6,693 (.2635) | — | 0,76 (.030) |
| DB | 53,04 (2.088) | 38,96 (1.534) | 47,04 (1.852) | 8,36 (.329) | 12,55 (.494) | 10,82 (.426) | — | 6,84 (.269) | 0,99 (.039) |
| DC | 69,32 (2.729) | 55,42 (2.182) | 63,50 (2,500) | 8,36 (.329) | 12,55 (.494) | 10,82 (.426) | — | 6,84 (.269) | 0,99 (.039) |

Dimensions shown in mm

Specifications and dimensions subject to change

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# 40 A High power straight PCB Plug, size DD

**40 A High power straight inserted with straight contacts and standoff with 4-40 thread**

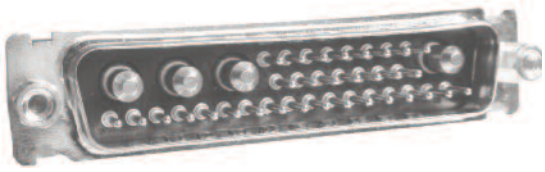
| | | US | | European | | NON-MAGNETIC/LOW OUTGASSING*** |
|---|---|---|---|---|---|---|
| **Shell size** | **Layout** | **P/N Industrial** | **P/N Military** | **P/N Class 3*** | **P/N Class 2*** | **P/N Base**** |
| DD | 24W7 | DDM24H7P-NK87 | DDMM24H7P-N | DDM-24H7P-OL4-K87 | DDM-Z24H7P-OL4-A191-K87 | DDM24H7P-NNMBK52 |
| DD | 36W4 | DDM36H4P-NK87 | DDMM36H4P-N | DDM-36H4P-OL4-K87 | DDM-Z36H4P-OL4-A191-K87 | DDM36H4P-NNMBK52 |
| DD | 43W2 | DDM43H2P-NK87 | DDMM43H2P-N | DDM-43H2P-OL4-K87 | DDM-Z43H2P-OL4-A191-K87 | DDM43H2P-NNMBK52 |
| DD | 47W1 | DDM47H1P-NK87 | DDMM47H1P-N | DDM-47H1P-OL4-K87 | DDM-Z47H1P-OL4-A191-K87 | DDM47H1P-NNMBK52 |

*For M-3 hardware and other hardware options, see part number designator, page 7.

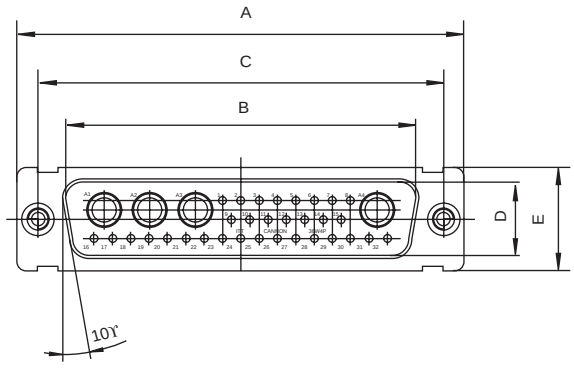
**For spacers; order P/N 253-0343-008, two each per connector.

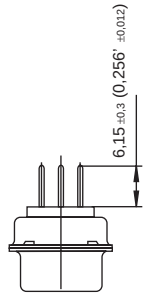
*** Hardware Modifier not allowed on Non-Magnetic/Low Outgassing Versions; consult factory for more information

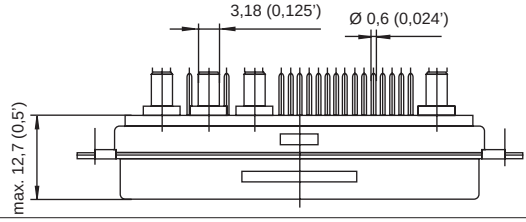
## Plug

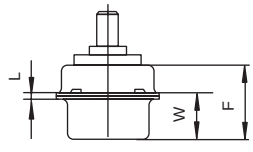


- For contact cavity arrangements, see page 61.
- For pcb hole pattern, see pages 92-94.
- For mounting methods, see pages 59-60.




## Dimensions

| Shell size | A ± 0,38 (.015) | B ± 0,13 (.005) | C ± 0,13 (.005) | D ± 0,13 (.005) | E ± 0,38 (.015) | F ± 0,25 (.010) | W ± 0,41 (.010) | L ± 0,25 (.010) |
|---|---|---|---|---|---|---|---|---|
| DD | 66,93 (2.635) | 52,81 (2.079) | 61,11 (2,406) | 11,07 (.436) | 15,37 (.605) | 10,82 (.426) | 6,84 (.264) | 0,99 (.039) |

# 40 A High power straight PCB Receptacle, sizes DE – DC

**40 A High power inserted with straight contacts and standoff with UNC 4-40 thread**

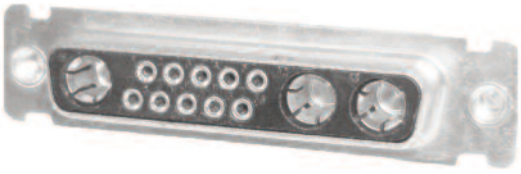
| | | INDUSTRIAL | | MILITARY/HI-REL | | NON-MAGNETIC**/LOW OUTGASSING*** | |
|---|---|---|---|---|---|---|---|
| **Shell size** | **Layout** | **P/N without pushfit** | **P/N with pushfit** | **P/N without pushfit** | **P/N with pushfit** | **P/N with Cadmium Plating** | **P/N with Gold Plating** |
| DE | 2W2 | DEMV2H2S-NA197 | DEMZ2H2S-NA197 | DEMMV2H2S-N | DEMMZ2H2S-N | DEM2H2S-NNMB | DEM2H2S-NNMBK52 |
| DE | 2WK2 | DEMV2HK2S-NA197 | DEMZ2HK2S-NA197 | DEMMV2HK2S-N | DEMMZ2HK2S-N | DEM2HK2S-NNMB | DEM2HK2S-NNMBK52 |
| DE | 5W1 | DEMV5H1S-NA197 | DEMZ5H1S-NA197 | DEMMV5H1S-N | DEMMZ2HK2S-N | DEM5H1S-NNMB | DEM5H1S-NNMBK52 |
| DA | 7W2 | DAMV7H2S-NA197 | DAMZ7H2S-NA197 | DAMMV7H2S-N | DAMMZ7H2S-N | DAM7H2S-NNMB | DAM7H2S-NNMBK52 |
| DA | 11W1 | DAMV11H1S-NA197 | DAMZ11H1S-NA197 | DAMMV11H1S-N | DAMMZ11H1S-N | DAM11H1S-NNMB | DAM11H1S-NNMBK52 |
| DA | 3W3 | DAMV3H3S-NA197 | DAMZ3H3S-NA197 | DAMMV3H3S-N | DAMMZ3H3S-N | DAM3H3S-NNMB | DAM3H3S-NNMBK52 |
| DA | 3WK3 | DAMV3HK3S-NA197 | DAMZ3HK3S-NA197 | DAMMV3HK3S-N | DAMMZ3HK3S-N | DAM3HK3S-NNMB | DAM3HK3S-NNMBK52 |
| DB | 5W5 | DBMV5H5S-NA197 | DBMZ5H5S-NA197 | DBMMV5H5S-N | DBMMZ5H5S-N | DBM5H5S-NNMB | DBM5H5S-NNMBK52 |
| DB | 9W4 | DBMV9H4S-NA197 | DBMZ9H4S-NA197 | DBMMV9H4S-N | DBMMZ9H4S-N | DBM9H4S-NNMB | DBM9H4S-NNMBK52 |
| DB | 13W3 | DBMV13H3S-NA197 | DBMZ13H3S-NA197 | DBMMV13H3S-N | DBMMZ13H3S-N | DBM13H3S-NNMB | DBM13H3S-NNMBK52 |
| DB | 17W2 | DBMV17H2S-NA197 | DBMZ17H2S-NA197 | DBMMV17H2S-N | DBMMZ17H2S-N | DBM17H2S-NNMB | DBM17H2S-NNMBK52 |
| DB | 21W1 | DBMV21H1S-NA197 | DBMZ21H1S-NA197 | DBMMV21H1S-N | DBMMZ21H1S-N | DBM21H1S-NNMB | DBM21H1S-NNMBK52 |
| DC | 8W8 | DCMV8H8S-NA197 | DCMZ8H8S-NA197 | DCMMV8H8S-N | DCMMZ8H8S-N | DCM8H8S-NNMB | DCM8H8S-NNMBK52 |
| DC | 13W6 | DCMV13H6S-NA197 | DCMZ13H6S-NA197 | DCMMV13H6S-N | DCMMZ13H6S-N | DCM13H6S-NNMB | DCM13H6S-NNMBK52 |
| DC | 17W5 | DCMV17H5S-NA197 | DCMZ17H5S-NA197 | DCMMV17H5S-N | DCMMZ17H5S-N | DCM17H5S-NNMB | DCM17H5S-NNMBK52 |
| DC | 21WA4 | DCMV21HA4S-NA197 | DCMZ21HA4S-NA197 | DCMMV21HA4S-N | DCMMZ21HA4S-N | DCM21HA4S-NNMB | DCM21HA4S-NNMBK52 |
| DC | 25W3 | DCMV25H3S-NA197 | DCMZ25H3S-NA197 | DCMMV25H3S-N | DCMMZ25H3S-N | DCM25H3S-NNMB | DCM25H3S-NNMBK52 |
| DC | 27W2 | DCMV27H2S-NA197 | DCMZ27H2S-NA197 | DCMMV27H2S-N | DCMMZ27H2S-N | DCM27H2S-NNMB | DCM27H2S-NNMBK52 |

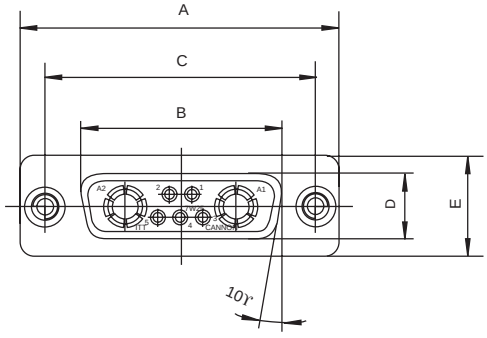
*For M-3 hardware and other hardware options, see part number designator, page 7.

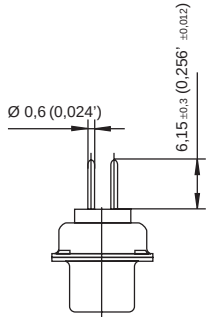
**For spacers; order P/N 23-0343-008, two each per connector.

*** Hardware Modifier not allowed on Non-Magnetic/Low Outgassing Versions; consult factory for more information.

## Receptacle

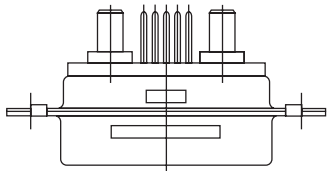


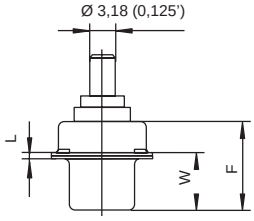



- For contact cavity arrangements, see page 62.
- For pcb hole pattern, see pages 95-97.
- For mounting methods, see pages 59-60.

.






## Dimensions

| Shell size | A ± 0,38 (.015) | B ± 0,13 (.005) | C ± 0,13 (.005) | D ± 0,13 (.005) | E ± 0,38 (.015) | F ± 0,25 (.010) | W ± 0,38 (.015) | L ± 0,25 (.010) |
|---|---|---|---|---|---|---|---|---|
| DE | 30,81 (1.213) | 16,33 (.643) | 24,99 (.984) | 7,90 (.311) | 12,55 (.494) | 10,90 (.429) | 6,94 (.273) | 0,76 (.030) |
| DA | 39,14 (1.541) | 24,65 (.971) | 33,32 (1.312) | 7,90 (.311) | 12,55 (.494) | 10,90 (.429) | 6,94 (.273) | 0,76 (.030) |
| DB | 53,04 (2.088) | 38,38 (1.511) | 47,04 (1.852) | 7,90 (.311) | 12,55 (.494) | 10,90 (.429) | 6,94 (.273) | 0,76 (.030) |
| DC | 69,32 (2.729) | 54,84 (2.159) | 63,50 (2,500) | 7,90 (.311) | 12,55 (.494) | 10,90 (.429) | 6,94 (.273) | 0,76 (.030) |

Dimensions shown in mm
Specifications and dimensions subject to change

www.ittcannon.com

# 40 A High power straight PCB Receptacle, size DD

**40 A High power straight inserted with straight contacts and standoff with 4-40 thread**

| | | US | | European | | NON-MAGNETIC/LOW OUTGASSING** |
|---|---|---|---|---|---|---|
| **Shell size** | **Layout** | **P/N Industrial** | **P/N Military** | **P/N Class 3** | **P/N Class 2** | **P/N Base*** |
| DD | 24W7 | DDM24H7S-NA197 | DDMM24H7S-N | DDM-24P7S-OL4-A197 | DDM-Z24P7S-OL4-A191-A197 | DDM24H7S-NNMBK52 |
| DD | 36W4 | DDM36H4S-NA197 | DDMM36H4S-N | DDM-36P4S-OL4-A197 | DDM-Z36P4S-OL4-A191-A197 | DDM36H4S-NNMBK52 |
| DD | 43W2 | DDM43H2S-NA197 | DDMM43H2S-N | DDM-43P2S-OL4-A197 | DDM-Z43P2S-OL4-A191-A197 | DDM43H2S-NNMBK52 |
| DD | 47W1 | DDM47H1S-NA197 | DDMM47H1S-N | DDM-47P1S-OL4-A197 | DDM-Z47P1S-OL4-A191-A197 | DDM47H1S-NNMBK52 |

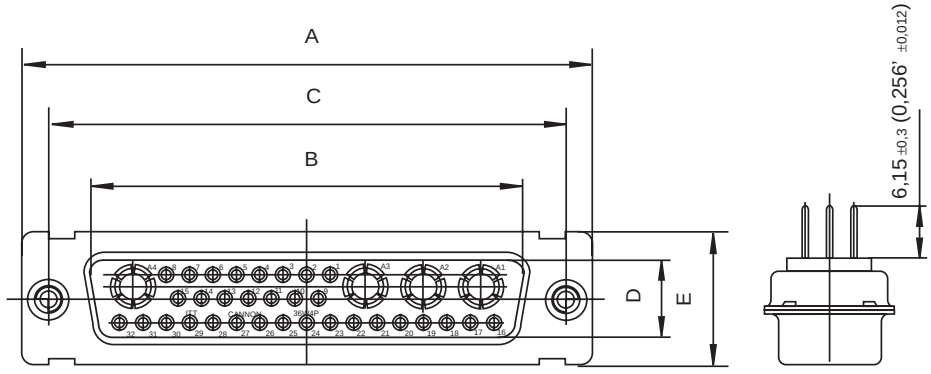
*For M-3 hardware and other hardware options, see part number designator, page 7.
** For spacers; order P/N 23-0343-008, two each per connector.

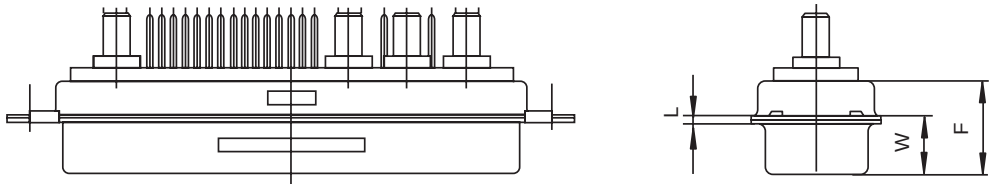
***Hardware Modifier not allowed on Non-Magnetic/Low Outgassing Versions; consult factory for more information.

## Receptacle



- For contact cavity arrangements, see page 62.
- For pcb hole pattern, see pages 95-97.
- For mounting methods, see pages 59-60.




## Dimensions

| Shell size | A ± 0,38 (.015) | B ± 0,13 (.005) | C ± 0,13 (.005) | D ± 0,13 (.005) | E ± 0,38 (.015) | F ± 0,25 (.010) | W ± 0,38 (.015) | L ± 0,25 (.010) |
|---|---|---|---|---|---|---|---|---|
| DD | 66,93 (2,635) | 52,42 (2,406) | 61,11 (2,406) | 10,74 (.423) | 15,37 (.605) | 10,90 (.429) | 6,94 (.273) | 0,76 (.030) |

## 40 A High Power straight-European solder Pins, sizes DE-DC

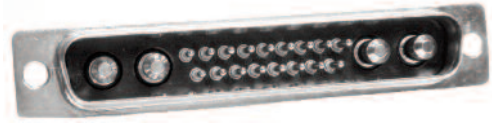
**Part numbers with straight contacts**

| Shell size | Layout | with standoff M3 | with standoff M3 with pushfit | standoff, M3 post and pushfit | with M3 clinch nut | with through hole 3,05 mm |
|---|---|---|---|---|---|---|
| DE | 2W2 | DEMT-2H2P-0L4-A191-K87 | DEMQ-2H2P-0L4-A191-K87 | DEMU-2H2P-0L4-A191-K87 | DEMX-2H2P-0L4-A191-K87 | DEM-2H2P-0L4-A191-K87 |
| DE | 2WK2 | DEMT-2HK2P-0L4-A191-K87 | DEMQ-2HK2P-0L4-A191-K87 | DEMU-2HK2P-0L4-A191-K87 | DEMX-2HK2P-0L4-A191-K87 | DEM-2HK2P-0L4-A191-K87 |
| DE | 5W1 | DEMT-5H1P-0L4-A191-K87 | DEMQ-5H1P-0L4-A191-K87 | DEMU-5H1P-0L4-A191-K87 | DEMX-5H1P-0L4-A191-K87 | DEM-5H1P-0L4-A191-K87 |
| DA | 7W2 | DAMT-7H2P-0L4-A191-K87 | DAMQ-7H2P-0L4-A191-K87 | DAMU-7H2P-0L4-A191-K87 | DAMX-7H2P-0L4-A191-K87 | DAM-7H2P-0L4-A191-K87 |
| DA | 11W1 | DAMT-11HP1P-0L4-A191-K87 | DAMQ-11H1P-0L4-A191-K87 | DAMU-11H1P-0L4-A191-K87 | DAMX-11H1P-0L4-A191-K87 | DAM-11H1P-0L4-A191-K87 |
| DA | 3W3 | DAMT-3H3P-0L4-A191-K87 | DAMQ-3H3P-0L4-A191-K87 | DAMU-3H3P-0L4-A191-K87 | DAMX-3H3P-0L4-A191-K87 | DAM-3H3P-0L4-A191-K87 |
| DA | 3WK3 | DAMT-3HK3P-0L4-A191-K87 | DAMQ-3HK3P-0L4-A191-K87 | DAMU-3PH3P-0L4-A191-K87 | DAMX-3PH3P-0L4-A191-K87 | DAM-3HK3P-0L4-A191-K87 |
| DB | 5W5 | DBMT-5H5P-0L4-A191-K87 | DBMQ-5H5P-0L4-A191-K87 | DBMU-5H5P-10L4-A191-K87 | DBMX-5H5P-0L4-A191-K87 | DBM-5H5P-0L4-A191-K87 |
| DB | 9W4 | DBMT-9H4P-0L4-A191-K87 | DBMQ-9H4P-0L4-A191-K87 | DBMU-9H4P-0L4-A191-K87 | DBMX-9H4P-0L4-A191-K87 | DBM-9H4P-0L4-A191-K87 |
| DB | 13W3 | DBMT-13H3P-10L4-A191-K87 | DBMQ-13H3P-0L4-A191-K87 | DBMU-13H3P-0L4-A191-K87 | DBMX-13H3P-0L4-A191-K87 | DBM-13H3P-0L4-A191-K87 |
| DB | 17W2 | DBMT-17HSP-0L4-A191-K87 | DBMQ-17HSP-0L4-A191-K87 | DBMU-17HSP-0L4-A191-K87 | DBMX-17HSP-0L4-A191-K87 | DBM-17HSP-0L4-A191-K87 |
| DB | 21W1 | DBMT-21H1P-0L4-A191-K87 | DBMQ-21H1P-0L4-A191-K87 | DBMU-21H1P-0L4-A191-K87 | DBMX-21H1P-0L4-A191-K87 | DBM-21H1P-0L4-A191-K87 |
| DC | W8 | DCMT-8H8P-0L4-A191-K87 | DCMQ-8H8P-0L4-A191-K87 | DCMU-8H8P-0L4-A191-K87 | DCMX-8H8P-0L4-A191-K87 | DCM-8H8P-0L4-A191-K87 |
| DC | 13W6 | DCMT-13H6P-0L4-A191-K87 | DCMQ-13H6P-0L4-A191-K87 | DCMU-13H6P-0L4-A191-K87 | DCMX-13H6P-0L4-A191-K87 | DCM-13H6P-0L4-A191-K87 |
| DC | 17W5 | DCMT-17H5P-0L4-A191-K87 | DCMQ-17H5P-0L4-A191-K87 | DCMU-17H5P-0L4-A191-K87 | DCMX-17H5P-0L4-A191-K87 | DCM-17H5P-0L4-A191-K87 |
| DC | 21WA4 | DCMT-21HA4P-0L4-A191-K87 | DCMQ-21HA4P-0L4-A191-K87 | DCMU-21HA4P-0L4-A191-K87 | DCMX-21HA4P-0L4-A191-K87 | DCM-21HA4P-0L4-A191-K87 |
| DC | 25W3 | DCMT-25H3P-10L4-A191-K87 | DCMQ-25H3P-0L4-A191-K87 | DCMU-25H3P-0L4-A191-K87 | DCMX-25H3P-0L4-A191-K87 | DCM-25H3P-0L4-A191-K87 |
| DC | 27W2 | DCMT-27H2P-0L4-A191--K87 | DCMQ-27H2P-0L4-A191-K87 | DCMU-27H2P-0L4-A191-K87 | DCMX-27H2P-0L4-A191-K87 | DCM-27H2-0L4-A191-K87 |

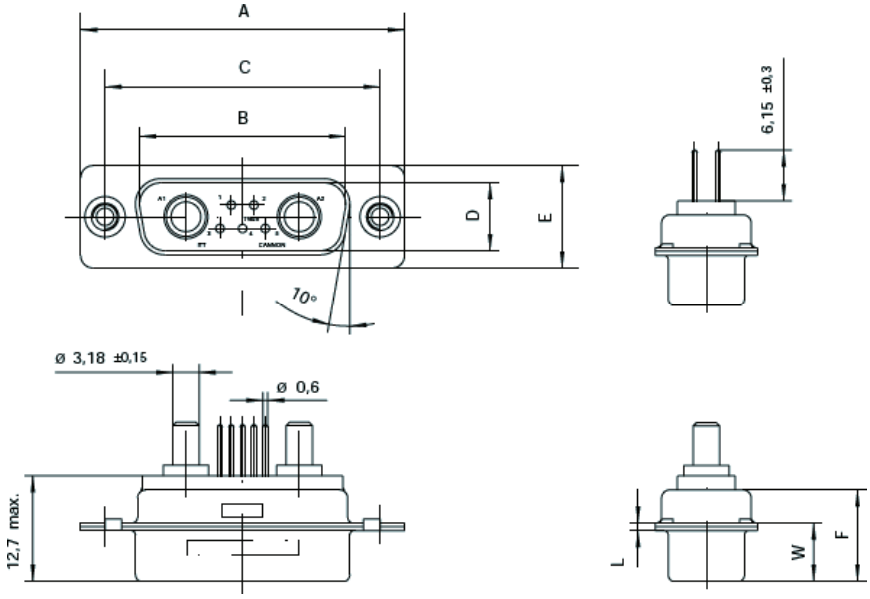
For performance class 1 replace A191 with A190.
For performance class 3 delete A191.

For 4-40 UNC thread standoff with pushfit replace Q with Z.
For captive nut 4-40 NC replace X with E.

### Pin



- For contact cavity arrangements, see page 61.
- For pcb hole pattern, see pages 92-94.
- For mounting methods, see pages 59-60.




### Dimensions

| Shell size | A ± 0,38 (.015) | B ± 0,13 (.005) | C ± 0,13 (.005) | D ± 0,13 (.005) | E ± 0,38 (.015) | F ± 0,25 (.010) | W ± 0,2 (.008) | L ± 0,40 (.016) |
|---|---|---|---|---|---|---|---|---|
| DE | 30,81 (1.213) | 16,90 (.665) | 25,0 (.984) | 8,35 (.329) | 12,55 (.494) | 10,70 (.421) | 6,70 (.264) | 0,8 (.031) |
| DA | 39,15 (1.541) | 24,25 (.994) | 33,3 (1.311) | 8,35 (.329) | 12,55 (.494) | 10,70 (.421) | 6,70 (.264) | 0,8 (.031) |
| DB | 53,05 (2.088) | 38,95 (1.533) | 47,05 (1.852) | 8,35 (.329) | 12,55 (.494) | 10,80 (.425) | 6,80 (.268) | 0,9 (.031) |
| DC | 69,3 (2.089) | 55,4 (2.181) | 63,50 (2,500) | 8,35 (.329) | 12,55 (.494) | 10,80 (.425) | 6,80 (.268) | 0,9 (.031) |

Dimensions shown in mm
Specifications and dimensions subject to change

## 40 A High Power straight-European solder Socket, sizes DE-DC

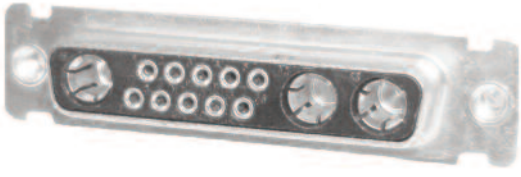
**Part numbers with straight contacts**

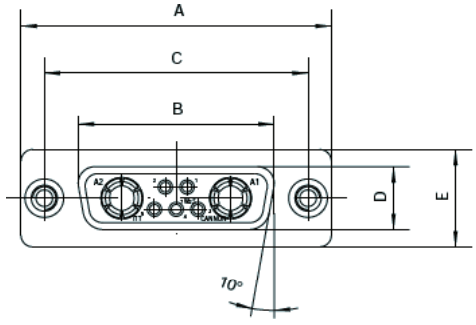
| Shell size | Layout | with standoff M3 | with standoff M3 with pushfit | standoff, M3 post and pushfit | with M3 clinch nut | with through hole 3,05 mm |
|---|---|---|---|---|---|---|
| DE | 2W2 | DEMT-2H2S-0L4-A191- A197 | DEMQ-2H2S-0L4-A191-A197 | DEMU-2H2S-0L4-A191-A197 | DEMX-2H2S-0L4-A191-A197 | DEM-2H2S-0L4-A191-A197 |
| DE | 2WK2 | DEMT-2HK3S-0L4-A191-A197 | DAMQ-2HK3S-0L4-A191-A197 | DAMU-2PH3S-0L4-A191-A197 | DAMX-2PH3S-0L4-A191-A197 | DAM-2HK3S-0L4-A191-A197 |
| DE | 5W1 | DEMT-5H1S-0L4-A191- A197 | DEMQ-5H1S-0L4-A191-A197 | DEMU-5H1S-0L4-A191-A197 | DEMX-5H1S-0L4-A191-A197 | DEM-5H1S-0L4-A191-A197 |
| DA | 7W2 | DAMT-7H2S-0L4-A191-A197 | DAMQ-7H2S-0L4-A191-A197 | DAMU-7H2S-0L4-A191-A197 | DAMX-7H2S-0L4-A191-A197 | DAM-7H2S-0L4-A191-A197 |
| DA | 11W1 | DAMT-11H1S-0L4-A191-A197 | DAMQ-11H1S-0L4-A191-A197 | DAMU-11H1S-0L4-A191-A197 | DAMX-11H1S-0L4-A191-KA197 | DAM-11H1S-0L4-A191-A197 |
| DA | 3W3 | DAMT-3H3S-0L4-A191-A197 | DAMQ-3H3S-0L4-A191-A197 | DAMU-3H3S-0L4-A191-A197 | DAMX-3H3S-0L4-A191-A197 | DAM-3H3S-0L4-A191-A197 |
| DA | 3WK3 | DAMT-3HK3S-0L4-A191-A197 | DAMQ-3HK3S-0L4-A191-A197 | DAMU-3PH3S-0L4-A191-A197 | DAMX-3PH3S-0L4-A191-A197 | DAM-3HK3S-0L4-A191-A197 |
| DB | 5W5 | DBMT-5H5S-0L4-A191-A197 | DBMQ-5H5S-0L4-A191-A197 | DBMU-5H5S-10L4-A191-A197 | DBMX-5H5S-0L4-A191-A197 | DBM-5H5S-0L4-A191-A197 |
| DB | 9W4 | DBMT-9H4S-0L4-A191-A197 | DBMQ-9H4S-0L4-A191-A197 | DBMU-9H4S-0L4-A191-A197 | DBMX-9H4S-0L4-A191-A197 | DBM-9H4S-0L4-A191-A197 |
| DB | 13W3 | DBMT-13H3S-10L4-A191-A197 | DBMQ-13H3S-0L4-A191-A197 | DBMU-13H3S-0L4-A191-A197 | DBMX-13H3S-0L4-A191-A197 | DBM-13H3S-0L4-A191-A197 |
| DB | 17W2 | DBMT-17H2S-0L4-A191-A197 | DBMQ-17H2S-0L4-A191-A197 | DBMU-17H2S-0L4-A191-A197 | DBMX-17H2S-0L4-A191-A197 | DBM-17H2S-0L4-A191-A197 |
| DB | 21W1 | DBMT-21H1S-0L4-A191-A197 | DBMQ-21H1S-0L4-A191-A197 | DBMU-21H1S-0L4-A191-A197 | DBMX-21H1S-0L4-A191-A197 | DBM-21H1S-0L4-A191-A197 |
| DC | W8 | DCMT-8H8S-0L4-A191-A197 | DCMQ-8H8S-0L4-A191-A197 | DCMU-8H8S-0L4-A191-A197 | DCMX-8H8S-0L4-A191-A197 | DCM-8H8S-0L4-A191-A197 |
| DC | 13W6 | DCMT-13H6S-0L4-A191-A197 | DCMQ-13H6S-0L4-A191-A197 | DCMU-13H6S-0L4-A191-A197 | DCMX-13H6S-0L4-A191-A197 | DCM-13H6S-0L4-A191-A197 |
| DC | 17W5 | DCMT-17H5S-0L4-A191-A197 | DCMQ-17H5S-0L4-A191-A197 | DCMU-17H5S-0L4-A191-A197 | DCMX-17H5S-0L4-A191-A197 | DCM-17H5S-0L4-A191-A197 |
| DC | 21WA4 | DCMT-21HA4S-0L4-A191-A197 | DCMQ-21HA4S-0L4-A191-A197 | DCMU-21HA4S-0L4-A191-A197 | DCMX-21HA4S-0L4-A191-A197 | DCM-21HA4S-0L4-A191-A197 |
| DC | 25W3 | DCMT-25H3S-10L4-A191-A197 | DCMQ-25H3S-0L4-A191-A197 | DCMU-25H3S-0L4-A191-A197 | DCMX-25H3S-0L4-A191-A197 | DCM-25H3S-0L4-A191-A197 |
| DC | 27W2 | DCMT-27H2S-0L4-A191-A197 | DCMQ-27H2S-0L4-A191-A197 | DCMU-27H2S-0L4-A191-A197 | DCMX-27H2S-0L4-A191-A197 | DCM-27H2S-0L4-A191-A197 |

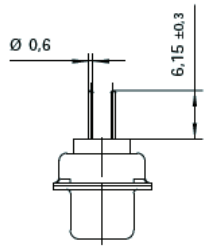
For performance class 1 replace A191 with A190.
For performance class 3 delete A191.

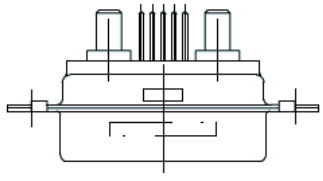
For 4-40 UNC thread standoff with pushfit replace Q with Z.
For captive nut 4-40 NC replace X with E.

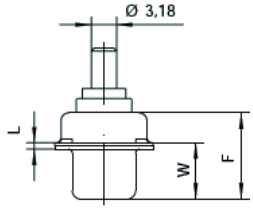
### Socket







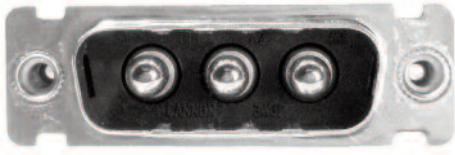

- For contact cavity arrangements, see page 62.
- For pcb hole pattern, see pages 95-97.
- For mounting methods, see pages 59-60.

### Dimensions

| Shell size | A ± 0,38 (.015) | B ± 0,13 (.005) | C ± 0,13 (.005) | D ± 0,13 (.005) | E ± 0,38 (.015) | F ± 0,25 (.010) | L ± 0,2 (008) | W ± 0,40 (.016) |
|---|---|---|---|---|---|---|---|---|
| DE | 30,8 (1.213) | 16,35 (.644) | 25 (.984) | 7,9 (.311) | 12,55 (.494) | 10,90 (.429) | 0,8 (.031) | 6,95 (.274) |
| DA | 39,15 (1.541) | 24,65 (.970) | 33,3 (1.311) | 7,9 (.311) | 12,55 (.494) | 10,90 (.429) | 0,8 (.031) | 6,95 (.274) |
| DB | 53,05 (2.089) | 38,4 (1.512) | 47,05 (1.852) | 7,9 (.311) | 12,55 (.494) | 10,90 (.429) | 0,8 (.031) | 6,95 (.274) |
| DC | 69,3 (2.089) | 54,85 (2.159) | 63,50 (2,500) | 7,9 (.311) | 12,55 (.494) | 10,90 (.429) | 0,8 (.031) | 6,95 (.274) |

# 40 A High Power Plug, Pressfit Termination

## Plug



## Part Numbers

| Boardlock 4-40 UNC | Boardlock M3 | Stand-off 4-40 | Stand-off M3 |
|---|---|---|---|
| DAME3W3P-PO-161 | DAMX-3W3P-PO-161 | DAME-3W3P-PO-183 | DAMX-3W3P-PO-183 |
| DAME3WK3P-PO-161 | DAMX-3WK3P-PO-161 | DAME-3WK3P-PO-183 | DAMX-3WK3P-PO-183 |
| DBME5W5P-PO-161 | DBMX-5W5P-PO-161 | DBME-5W5P-PO-183 | DBMX-5W5P-PO-183 |
| DCME8W8P-PO-161 | DCMX-8W8P-PO-161 | DCME-8W8P-PO-183 | DCMX-8W8P-PO-183 |

- For contact cavity arrangements, see page 61.
- For pcb hole pattern, see pages 82-84.
- For mounting methods, see pages 59-60.

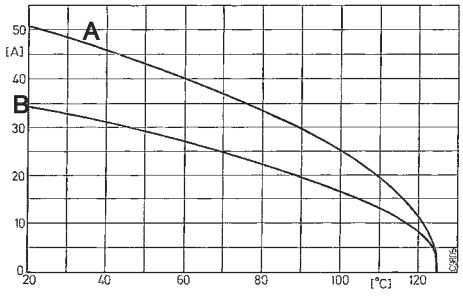
## Electrical Data

Insulation resistance
≈ 1 x $10^{10}$ W / 100 V

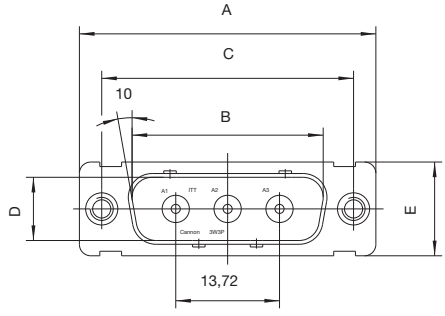
Contact resistance
1 mW

Dielectric Withstanding Voltage
1000 VAC (sea level)

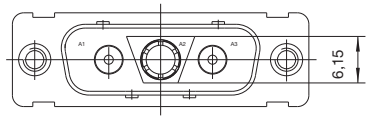
## Current Load



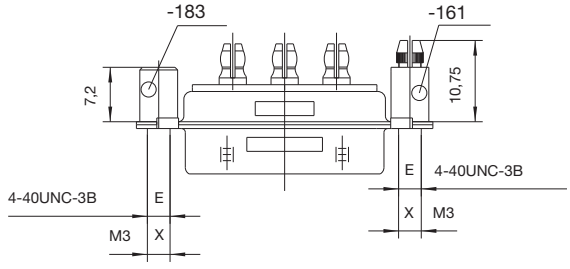

A – Multilayer 6 x 35 µm x 4,5 mm
B – Double layer 2 x 35 µm x 4,5 mm

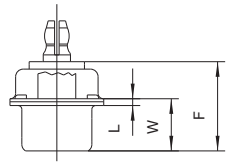



3W3




3WK3




## Dimensions

| Shell size | A ± 0,38 (.015) | B ± 0,13 (.005) | C ± 0,13 (.005) | D ± 0,13 (.005) | E ± 0,38 (.015) | F ± 0,25 (.010) | W ± 0,38 (.0145) | W ± 0,41 (.016) | L ± 0,25 (.010) |
|---|---|---|---|---|---|---|---|---|---|
| DA | 39,14 (1.541) | 25,25 (.994) | 33,32 (1.312) | 8,36 (.329) | 12,55 (.494) | 10,72 (.422) | 6,693 (.2635) | — | 0,76 (.030) |
| DB | 53,04 (2.088) | 38,96 (1.534) | 47,04 (1.852) | 8,36 (.329) | 12,55 (.494) | 10,82 (.426) | — | 6,84 (.269) | 0,99 (.039) |
| DC | 69,32 (2.729) | 55,42 (2.182) | 63,50 (2,500) | 8,36 (.329) | 12,55 (.494) | 10,82 (.426) | — | 6,84 (.269) | 0,99 (.039) |

Dimensions shown in mm
Specifications and dimensions subject to change

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# 40 A High Power Receptacle, Pressfit Termination

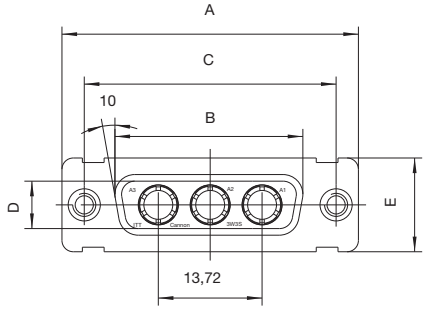
## Part Numbers

| Boardlock 4-40 UNC | Boardlock M3 | Stand-off 4-40 | Stand-off M3 |
|---|---|---|---|
| DEME3W3S-PO-161 | DEMX-3W3S-PO-161 | DEME-3W3S-PO-183 | DEMX-3W3S-PO-183 |
| DAME3WK3S-PO-161 | DAMX-3WK3S-PO-161 | DAME-3WK3S-PO-183 | DAMX-3WK3S-PO-183 |
| DBME5W5S-PO-161 | DBMX-5W5S-PO-161 | DBME-5W5S-PO-183 | DBMX-5W5S-PO-183 |
| DCME8W8S-PO-161 | DCMX-8W8S-PO-161 | DCME-8W8S-PO-183 | DCMX-8W8S-PO-183 |

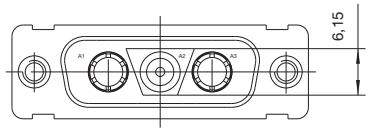
## Receptacle



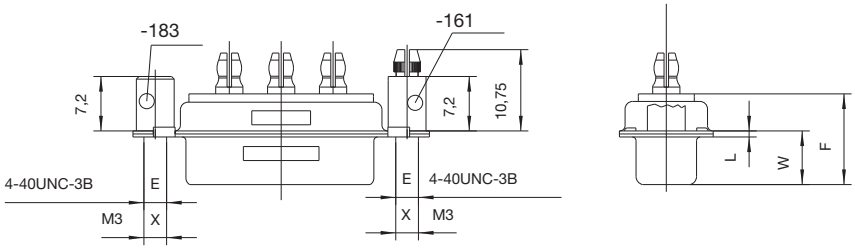
- For contact cavity arrangements, see page 62.
- For pcb hole pattern, see pages 85-87.
- For mounting methods, see page 59-60.




3W3




3WK3

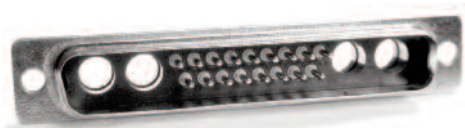



## Dimensions

| Shell size | A ± 0,38 (.015) | B ± 0,13 (.005) | C ± 0,13 (.005) | D ± 0,13 (.005) | E ± 0,38 (.015) | F ± 0,25 (.010) | W ± 0,38 (.015) | L ± 0,25 (.010) |
|---|---|---|---|---|---|---|---|---|
| DA | 39,15 (1.541) | 24,66 (.971) | 33,32 (1.312) | 7,90 (.311) | 12,55 (.494) | 10,90 (.429) | 6,94 (.273) | 6,76 (.030) |
| DB | 53,04 (2.088) | 38,48 (1.511) | 47,04 (1.852) | 7,90 (.311) | 12,55 (.494) | 10,90 (.429) | 6,94 (.273) | 6,76 (.030) |
| DC | 69,32 (2.729) | 54,84 (2.159) | 63,50 (2.500) | 7,90 (.311) | 12,55 (.494) | 10,90 (.429) | 6,94 (.273) | 6,76 (.030) |

## Plug, Solder cup, sizes DE – DC, with empty size 8 cavities

### Plug



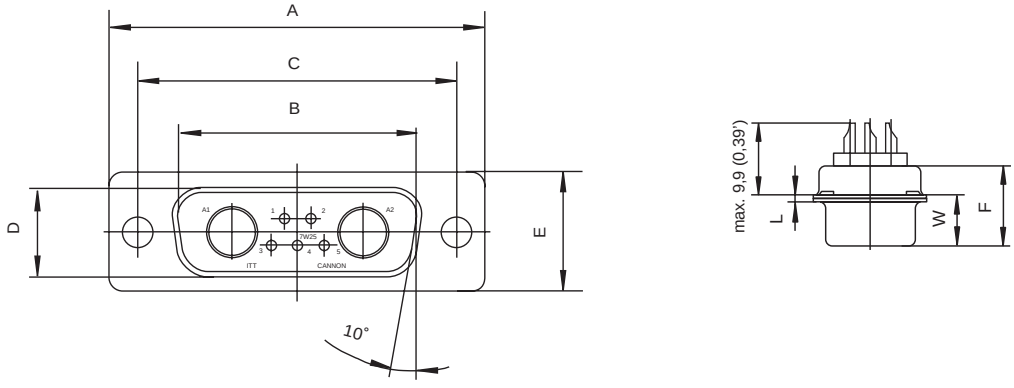
- For contact cavity arrangements, see page 61.
- For mounting methods, see page 59-60.

**Empty size 8 contact cavities with solder pot termination**

| Shell size | Layout | INDUSTRIAL P/N with through hole | MILITARY/HI-REL P/N with through hole | NON-MAGNETIC/LOW OUTGASSING** P/N with through hole |
|---|---|---|---|---|
| DE | 2W2 | DEM2W2PK87 | DEMM2W2P | DEM2W2PNMBK52 |
| DE | 2WK2 | DEM2WK2PK87 | DEMM2WK2P | DEM2WK2PNMBK52 |
| DE | 5W1 | DEM5W1PK87 | DEMM5W1P | DEM5W1PNMBK52 |
| DA | 7W2 | DAM7W2PK87 | DAMM7W2P | DAM7W2PNMBK52 |
| DA | 11W1 | DAM11W1PK87 | DAMM11W1P | DAM11W1PNMBK52 |
| DA | 3W3 | DAM3W3PK87 | DAMM3W3P | DAM3W3PNMBK52 |
| DA | 3WK3 | DAM3WK3PK87 | DAMM3WK3P | DAM3WK3PNMBK52 |
| DB | 5W5 | DBM5W5PK87 | DBMM5W5P | DBM5W5PNMBK52 |
| DB | 9W4 | DBM9W4PK87 | DBMM9W4P | DBM9W4PNMBK52 |
| DB | 13W3 | DBM13W3PK87 | DBMM13W3P | DBM13W3PNMBK52 |
| DB | 17W2 | DBM17W2PK87 | DBMM17W2P | DBM17W2PNMBK52 |
| DB | 21W1 | DBM21W1PK87 | DBMM21W1P | DBM21W1PNMBK52 |
| DC | 8W8 | DCM8W8PK87 | DCMM8W8P | DCM8W8PNMBK52 |
| DC | 13W6 | DCM13W6PK87 | DCMM13W6P | DCM13W6PNMBK52 |
| DC | 17W5 | DCM17W5PK87 | DCMM17W5P | DCM17W5PNMBK52 |
| DC | 21WA4 | DCM21WA4PK87 | DCMM21WA4P | DCM21WA4PNMBK52 |
| DC | 25W3 | DCM25W3PK87 | DCMM25W3P | DCM25W3PNMBK52 |
| DC | 27W2 | DCM27W2PK87 | DCMM27W2P | DCM27W2PNMBK52 |

*For clinch nut 4-40 UNC thread add "E", for float mount add "Y" after D*M designation (Ex. DCMME27W2P, DGMY27W2PK87) 2W2/2WK2, 3W3/3WK3 (keyed) 5W5 and 8W8 without signal contacts.

** Hardware Modifier not allowed on Non-Magnetic/Low Outgassing Versions; consult factory for more information



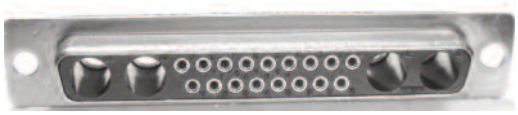

### Dimensions

| Shell size | A ± 0,38 (.015) | B ± 0,13 (.005) | C ± 0,13 (.005) | D ± 0,13 (.005) | E ± 0,38 (.015) | F ± 0,25 (.010) | W ± 0,368 (.0145) | W ± 0,41 (.016) | K ± 0,317 (.0125) | K ± 0,25 (.010) | L ± 0,25 (.010) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DE | 30,81 (1.213) | 16,92 (.666) | 24,99 (.984) | 8,36 (.329) | 12,55 (.494) | 10,72 (.422) | 6,693 (.2635) | — | 1,206 (.0475) | — | 0,76 (.030) |
| DA | 39,14 (1.541) | 25,25 (.994) | 33,32 (1.312) | 8,36 (.329) | 12,55 (.494) | 10,72 (.422) | 6,693 (.2635) | — | 1,206 (.0475) | — | 0,76 (.030) |
| DB | 53,04 (2.088) | 38,96 (1.534) | 47,04 (1.852) | 8,36 (.329) | 12,55 (.494) | 10,82 (.426) | — | 6,84 (.269) | — | 1,52 (.060) | 0,99 (.039) |
| DC | 69,32 (2.729) | 55,42 (2.182) | 63,50 (2,500) | 8,36 (.329) | 12,55 (.494) | 10,82 (.426) | — | 6,84 (.269) | — | 1,52 (.060) | 0,99 (.039) |

Dimensions shown in mm
Specifications and dimensions subject to change

## Receptacle, Solder cup, sizes DE – DC, with empty size 8 cavities

### Receptacle

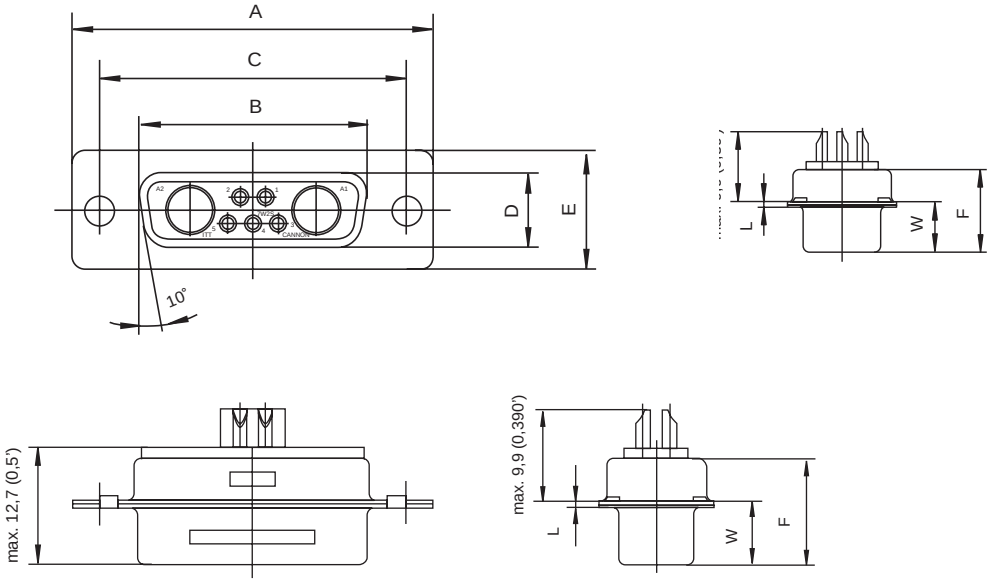


- For contact cavity arrangements, see page 62.
- For mounting methods, see pages 59-60.

### Empty size 8 contact cavities with solder pot termination

| Shell size | Layout | INDUSTRIAL P/N with through hole | MILITARY/HI-REL P/N with through hole | NON-MAGNETIC/LOW OUTGASSING** P/N with through hole |
|---|---|---|---|---|
| DE | 2W2 | DEM2W2SA197 | DEMM2W2S | DEM2W2SNMBK52 |
| DE | 2WK2 | DEM2WK2SA197 | DEMM2WK2S | DEM2WK2SNMBK52 |
| DE | 5W1 | DEM5W1SA197 | DEMM5W1S | DEM5W1SNMBK52 |
| DA | 7W2 | DAM7W2SA197 | DAMM7W2S | DAM7W2SNMBK52 |
| DA | 11W1 | DAM11W1SA197 | DAMM11W1S | DAM11W1SNMBK52 |
| DA | 3W3 | DAM3W3SA197 | DAMM3W3S | DAM3W3SNMBK52 |
| DA | 3WK3 | DAM3WK3SA197 | DAMM3WK3S | DAM3WK3SNMBK52 |
| DB | 5W5 | DBM5W5SA197 | DBMM5W5S | DBM5W5SNMBK52 |
| DB | 9W4 | DBM9W4SA197 | DBMM9W4S | DBM9W4SNMBK52 |
| DB | 13W3 | DBM13W3SA197 | DBMM13W3S | DBM13W3SNMBK52 |
| DB | 17W2 | DBM17W2SA197 | DBMM17W2S | DBM17W2SNMBK52 |
| DB | 21W1 | DBM21W1SA197 | DBMM21W1S | DBM21W1SNMBK52 |
| DC | 8W8 | DCM8W8SA197 | DCMM8W8S | DCM8W8SNMBK52 |
| DC | 13W6 | DCM13W6SA197 | DCMM13W6S | DCM13W6SNMBK52 |
| DC | 17W5 | DCM17W5SA197 | DCMM17W5S | DCM17W5SNMBK52 |
| DC | 21WA4 | DCM21WA4SA197 | DCMM21WA4S | DCM21WA4SNMBK52 |
| DC | 25W3 | DCM25W3SA197 | DCMM25W3S | DCM25W3SNMBK52 |
| DC | 27W2 | DCM27W2SA197 | DCMM27W2S | DCM27W2SNMBK52 |

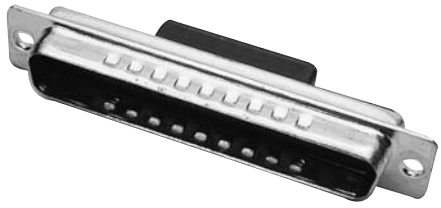
*For clinch nut 4-40 UNC thread add "E", for float mount add "Y" after D*M designation (Ex. DCMME27W2P, DGMY27W2PK87) 2W2/2WK2, 3W3/3WK3 (keyed) 5W5 and 8W8 without signal contacts.
** Hardware Modifier not allowed on Non-Magnetic/Low Outgassing Versions; consult factory for more information




### Dimensions

| Shell size | A ± 0,38 (.015) | B ± 0,13 (.005) | C ± 0,13 (.005) | D ± 0,13 (.005) | E ± 0,38 (.015) | F ± 0,25 (.010) | W ± 0,38 (.015) | K ± 0,317 (.0125) | L ± 0,25 (.010) |
|---|---|---|---|---|---|---|---|---|---|
| DE | 30,81 (1.213) | 16,33 (.643) | 24,99 (.984) | 7,90 (.311) | 12,55 (.494) | 10,90 (.429) | 6,94 (.273) | 1,206 (.0475) | 0,76 (.030) |
| DA | 39,14 (1.541) | 24,65 (.971) | 33,32 (1.312) | 7,90 (.311) | 12,55 (.494) | 10,90 (.429) | 6,94 (.273) | 1,206 (.0475) | 0,76 (.030) |
| DB | 53,04 (2.088) | 38,38 (1.511) | 47,04 (1.852) | 7,90 (.311) | 12,55 (.494) | 10,90 (.429) | 6,94 (.273) | 1,206 (.0475) | 0,76 (.030) |
| DC | 69,32 (2.729) | 54,84 (2.159) | 63,50 (2,500) | 7,90 (.311) | 12,55 (.494) | 10,90 (.429) | 6,94 (.273) | 1,206 (.0475) | 0,76 (.030) |

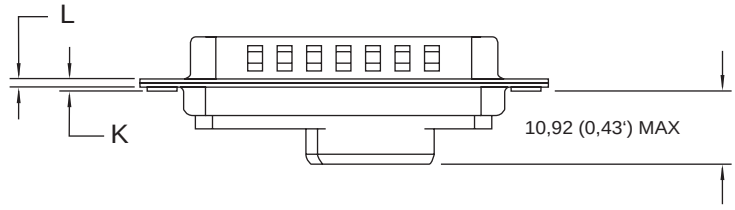
## Plug

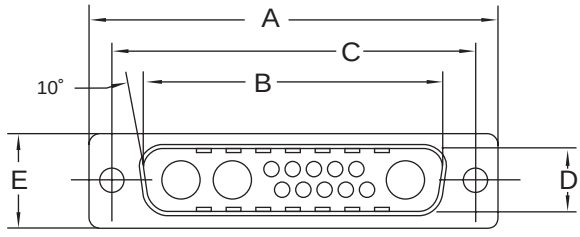


- For contact cavity arrangements, see page 61.
- For crimp contacts size 20, see pages 39-40.
- For mounting methods, see pages 59-60.

## Plug, Crimp cable connectors without contacts, sizes DE– DD

| Shell size | Layout | INDUSTRIAL Part number | MILITARY/HI-REL Part number | NON-MAGNETIC/LOW OUTGASSING** Part number |
|---|---|---|---|---|
| DE | 2W2 | DEA2W2PK87FO | DEA2W2PFO | DEA2W2PNMBK47FO |
| DE | 2WK2 | DEA2WK2PK87FO | DEA2WK2PFO | DEA2WK2PNMBK47FO |
| DA | 7W2 | DAA7W2PK87FO | DAA7W2PFO | DAA7W2PNMBK47FO |
| DA | 11W1 | DAA11W1PK87FO | DAA11W1PFO | DAA11W1PNMBK47FO |
| DA | 3W3 | DAA3W3PK87FO | DAA3W3PFO | DAA3W3PNMBK47FO |
| DA | 3WK3 | DAA3WK3PK87FO | DAA3WK3PFO | DAA3WK3PNMBK47FO |
| DB | 5W5 | DBA5W5PK87FO | DBA5W5PFO | DBA5W5PNMBK47FO |
| DB | 9W4 | DBA9W4PK87FO | DBA9W4PFO | DBA9W4PNMBK47FO |
| DB | 13W3 | DBA13W3PK87FO | DBA13W3PFO | DBA13W3PNMBK47FO |
| DB | 17W2 | DBA17W2PK87FO | DBA17W2PFO | DBA17W2PNMBK47FO |
| DB | 21W1 | DBA21W1PK87FO | DBA21W1PFO | DBA21W1PNMBK47FO |
| DC | 8W8 | DCA8W8PK87FO | DCA8W8PFO | DCA8W8PNMBK47FO |
| DC | 21WA4 | DCA21WA4PK87FO | DCA21WA4PFO | DCA21WA4PNMBK47FO |
| DD | 24W7 | DDA24W7PK87FO | DDA24W7PFO | DDA24W7PNMBK47FO |
| DD | 36W4 | DDA36W4PK87FO | DDA36W4PFO | DDA36W4NMBK47FO |
| DD | 43W2 | DDA43W2PK87FO | DDA43W2PFO | DDA43W2PNMBK47FO |




## Dimensions

| Shell size | A ± 0,38 (.015) | B ± 0,13 (.005) | C ± 0,13 (.005) | D ± 0,13 (.005) | E ± 0,38 (.015) | F ± 0,25 (.010) | W ± 0,368 (.0145) | W ± 0,41 (.016) | K ± 0,317 (.0125) | K ± 0,25 (.010) | L ± 0,25 (.010) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **DE** | 30,81 (1.213) | 16,92 (.666) | 24,99 (.984) | 8,36 (.329) | 12,55 (.494) | 10,72 (.422) | 6,693 (.2635) | — | 1,206 (.0475) | — | 0,76 (.030) |
| **DA** | 39,14 (1.541) | 25,25 (.994) | 33,32 (1.312) | 8,36 (.329) | 12,55 (.494) | 10,72 (.422) | 6,693 (.2635) | — | 1,206 (.0475) | — | 0,76 (.030) |
| **DB** | 53,04 (2.088) | 38,96 (1.534) | 47,04 (1.852) | 8,36 (.329) | 12,55 (.494) | 10,82 (.426) | — | 6,84 (.269) | — | 1,52 (.060) | 0,99 (.039) |
| **DC** | 69,32 (2.729) | 55,42 (2.182) | 63,50 (2,500) | 8,36 (.329) | 12,55 (.494) | 10,82 (.426) | — | 6,84 (.269) | — | 1,52 (.060) | 0,99 (.039) |
| **DD** | 66,93 (2.635) | 52,81 (2.079) | 61,11 (2,406) | 11,07 (.436) | 15,37 (.605) | 10,82 (.426) | — | 6,84 (.269) | — | 1,52 (.060) | 0,99 (.039) |

Dimensions shown in mm
Specifications and dimensions subject to change

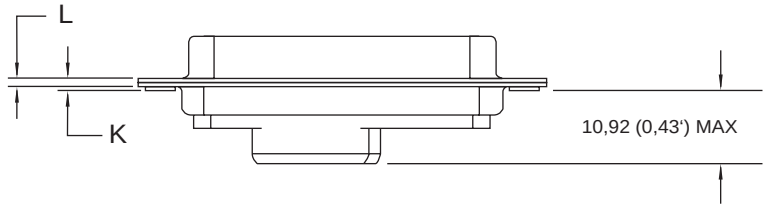
Receptacle

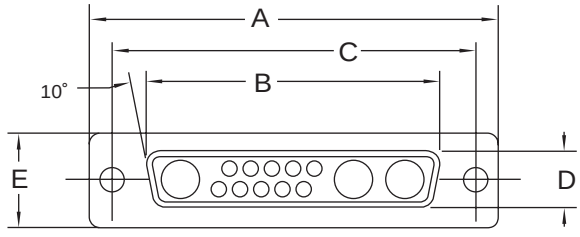


## Receptacle, Crimp cable connectors without contacts, sizes DE-DD

| Shell size | Layout | INDUSTRIAL Part number | MILITARY/HI-REL Part number | NON-MAGNETIC/LOW OUTGASSING** Part number |
|---|---|---|---|---|
| DE | 2W2 | DEA2W2SA197FO | DEA2W2SFO | DEA2W2SNMBK47FO |
| DE | 2WK2 | DEA2WK2SA197FO | DEA2WK2SFO | DEA2WK2SNMBK47FO |
| DA | 7W2 | DAA7W2SA197FO | DAA7W2SFO | DAA7W2SNMBK47FO |
| DA | 11W1 | DAA11W1SA197FO | DAA11W1SFO | DAA11W1SNMBK47FO |
| DA | 3W3 | DAA3W3SA197FO | DAA3W3SFO | DAA3W3SNMBK47FO |
| DA | 3WK3 | DAA3WK3SA197FO | DAA3WK3SFO | DAA3WK3SNMBK47FO |
| DB | 5W5 | DBA5W5SA197FO | DBA5W5SFO | DBA5W5SNMBK47FO |
| DB | 9W4 | DBA9W4SA197FO | DBA9W4SFO | DBA9W4SNMBK47FO |
| DB | 13W3 | DBA13W3SA197FO | DBA13W3SFO | DBA13W3SNMBK47FO |
| DB | 17W2 | DBA17W2SA197FO | DBA17W2SFO | DBA17W2SNMBK47FO |
| DB | 21W1 | DBA21W1SA197FO | DBA21W1SFO | DBA21W1SNMBK47FO |
| DC | 8W8 | DCA8W8SA197FO | DCA8W8SFO | DCA8W8SNMBK47FO |
| DC | 21WA4 | DCA21WA4SA197FO | DCA21WA4SFO | DCA21WA4SNMBK47FO |
| DD | 24W7 | DDA24W7SA197FO | DDA24W7SFO | DDA24W7SNMBK47FO |
| DD | 36W4 | DDA36W4SA197FO | DDA36W4SFO | DDA36W4SNMBK47FO |
| DD | 43W2 | DDA243W2SA197FO | DDA43W2S7FO | DDA43W2SNMBK47FO |

- For contact cavity arrangements, see page 62
- For crimp contacts size 20, see page 39-40.
- For mounting methods, see pages 59-60.




### Dimensions

| Shell size | A ± 0,38 (.015) | B ± 0,13 (.005) | C ± 0,13 (.005) | D ± 0,13 (.005) | E ± 0,38 (.015) | F ± 0,25 (.010) | W ± 0,38 (.015) | K ± 0,317 (.0125) | L ± 0,25 (.010) |
|---|---|---|---|---|---|---|---|---|---|
| DE | 30,81 (1.213) | 16,33 (.643) | 24,99 (.984) | 7,90 (.311) | 12,55 (.494) | 10,90 (.429) | 6,94 (.273) | 1,206 (.0475) | 0,76 (.030) |
| DA | 39,14 (1.541) | 24,65 (.971) | 33,32 (1.312) | 7,90 (.311) | 12,55 (.494) | 10,90 (.429) | 6,94 (.273) | 1,206 (.0475) | 0,76 (.030) |
| DB | 53,04 (2.088) | 38,38 (1.511) | 47,04 (1.852) | 7,90 (.311) | 12,55 (.494) | 10,90 (.429) | 6,94 (.273) | 1,206 (.0475) | 0,76 (.030) |
| DC | 69,32 (2.729) | 54,84 (2.159) | 63,50 (2,500) | 7,90 (.311) | 12,55 (.494) | 10,90 (.429) | 6,94 (.273) | 1,206 (.0475) | 0,76 (.030) |
| DD | 66,93 (2.635) | 52,42 (2.064) | 61,11 (2,406) | 10,74 (.423) | 15,37 (.494) | 10,90 (.429) | 6,94 (.273) | 1,206 (.0475) | 0,76 (.030) |

ITT

Dimensions shown in mm
Specifications and dimensions subject to change

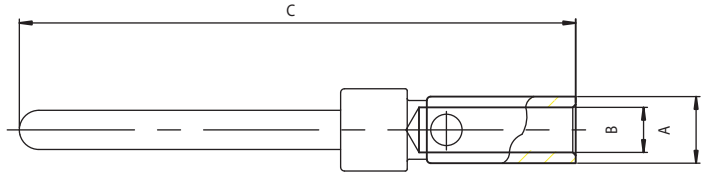
# Crimp Contacts Size 20

## Machined Contacts

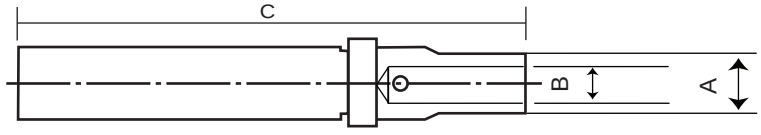
| | Pin | | Socket | |
|---|---|---|---|---|
| Contact size AWG | 26 – 30 | 20 – 24 | 26 – 30 | 20 – 24 |
| Gold Flash (Performance class 3) | 330-5291-004 | 330-5291-000 | 031-1007-004 | 031-1007-000 |
| 50 µn Au (Performance class 2) | 330-5291-050 | 980-0009-472 | 031-1007-048 | 980-0009-471 |

| AWG size | | A ± 0,05 | B ± 0,05 | C max. |
|---|---|---|---|---|
| 20 – 24 | Pin | 1,7 (0.067) | 1,0 (0.039) | 14,2 (0.559) |
| | Socket | 1,7 (0.067) | 1,0 (0.039) | 13,7 (0.539) |
| 26 – 30 | Pin | 1,7 (0.067) | 0,6 (0.039) | 14,2 (0.559) |
| | Socket | 1,7 (0.067) | 0,6 (0.039) | 13,7 (0.539) |

### Pin




### Socket




### MIL-C-39029 Cross Reference List

| Contact size AWG Number | M39029 | / 24308-Style* | Cannon Part |
|---|---|---|---|
| 20 / | / 63-368 | / Socket | 980-0009-471 |
| 20 / | / 64-369 | / Pin | 980-0009-472 |

* Superseded by AS39029

# Crimp Contacts Size 20 for D*A Connectors

### Contacts on Reels
(5000 pcs / reel)

Stamped contacts with insulation support are supplied on reels of 5000 for use with semi-automatic strip and crimp machines. Two sizes are available to accommodate wire ranges 20 – 26 AWG.

### Pin Contacts



### Socket Contacts



| Performance |
|---|
| Gold flash over Nickel (Performance class 3) |
| 30 µ in Au/Nickel (Performance class 2) |

**Part Numbers**

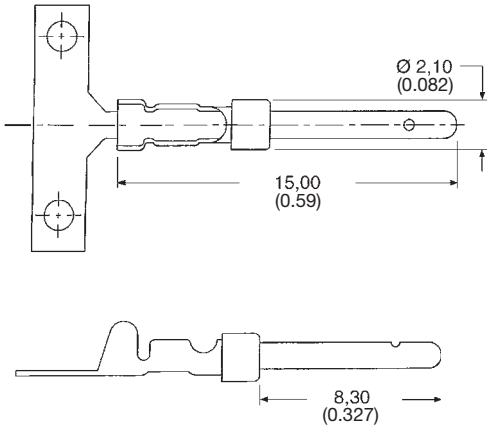
| AWG 24 - 26 | AWG 20 - 24 |
|---|---|
| 980-2000-925 | 980-2000-924 |
| 980-2000-946 | 980-2000-945 |

**Part Numbers**

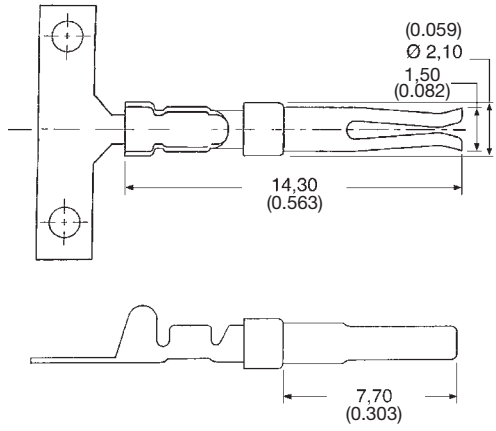
| AWG 24 - 26 | AWG 20 - 24 |
|---|---|
| 980-2000-926 | 980-2000-923 |
| 980-2000-944 | 980-2000-943 |

* Mating Cycles

### Pin Contacts




### Socket Contacts




### Loose Contacts
Stamped contacts with insulation support are supplied loose for use with hand crimp tooling. Two sizes are available to accommodate wire ranges 20 – 26 AWG.

| Finish |
|---|
| 30 µ inches Gold over Nickel |

### Pin Contacts



| Part Number Pin Contact | |
|---|---|
| 24-26 AWG | 20-24 AWG |
| 030-2487-017 | 030-2487-016 |

### Socket Contacts



| Part Number Socket Contact | |
|---|---|
| 24-26 AWG | 20-24 AWG |
| 030-2488-017 | 030-2488-016 |

### Crimp Tooling



**Hand Crimp Tool**

| Description | Part Number |
|---|---|
| CCT-D*A-1 | 995-2000-000 |
| CCT-2D*A (Alternate) | 995-2000-075 |

**Extraction Tool**

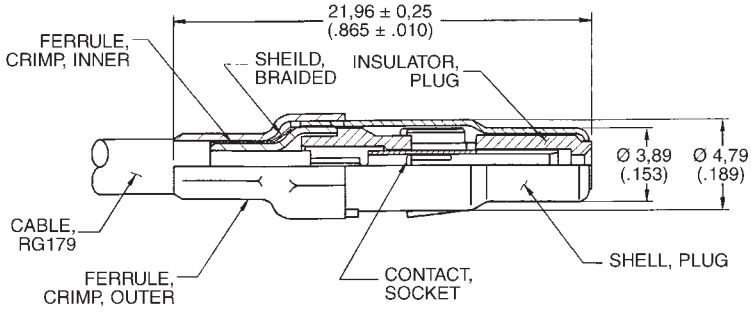
| Description | Part Number | Wire Size |
|---|---|---|
| CIET-D*A-20-24 | 980-0008-135 | 20-24 AWG |
| CIET-D*A 24-26 | 980-0008-136 | 24-26 AWG |

ITT

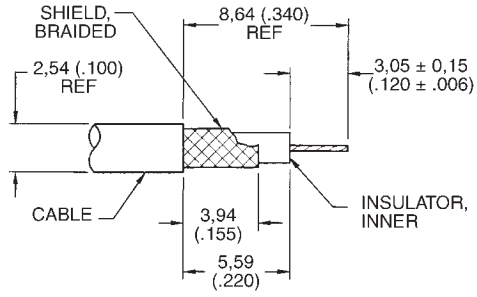
Dimensions shown in mm
Specifications and dimensions subject to change
www.ittcannon.com

## Cable (Size 8) Loose Contacts — Coaxial 75 Ohm

Stamped Crimp/Crimp




Recommended Wire Trim Dimensions




### Kit (Body, Ferrule, Center Contact)

| Stamped Crimp/Crimp | Kit Gold over Ni | Kit 30µ in. Gold over Ni | Kit 50µ in. Gold over Ni | RG Cable Number |
|---|---|---|---|---|
| Plug | D130322-2 | D130322-1 | D130322-6 | 179/U |
| Receptacle | D130344-1 | D130344 | D130344-2 | 179/U |

### Loose Components for High Volume (3 Pieces — Body, Ferrule, Center Contact)

| Stamped Crimp/Crimp | Body | Ferrule | Center Contact Gold over Ni 10,000 Reel | Center Contact 30µ in. Gold over Ni 10,000 Reel |
|---|---|---|---|---|
| Plug | 249-2272-000 | 304-0444-000 | 110238-1015 | 110238-1012 |
| Receptacle | 249-2271-000 | 304-0444-000 | 110238-1014 | 110238-1013 |

### Tooling for Stamped Crimp/Crimp



| Description | Crimping Tool | Tool Number |
|---|---|---|
| Stamped Center Conductor | Hand Crimp, "B" Crimp | CCTP-750HM |
| | Semi-Automatic Crimper | ABT-607 (Leased) |
| Stamped Outer Conductor | Hand Tool, Hex Crimp | CCTP-DM |
| | Pneumatic Hex Crimp | 995-2000-094 |

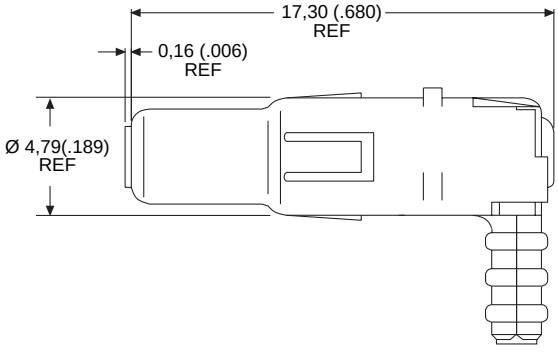
For semi-automatic tooling, see page 98.

Dimensions shown in mm
Specifications and dimensions subject to change

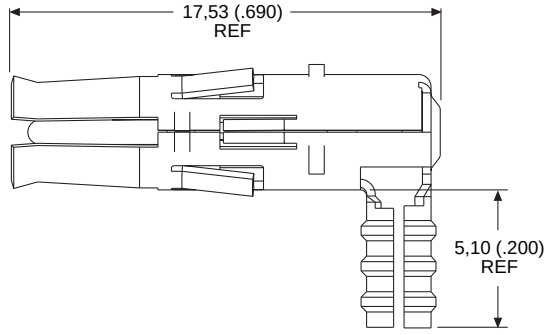
## Cable (Size 8) Loose Contacts — Coaxial 75 Ohm — 90°

90° Crimp Braid/Solder Center Contact

| | Part Number Gold over Ni | Part Number 30 µin. Gold over Ni | Part Number 50 µin. Gold over Ni |
|---|---|---|---|
| Plug | D130357-1 | D130357 | D130357-4 |
| Receptacle | D130356-1 | D130356 | D130356-3 |




Plug

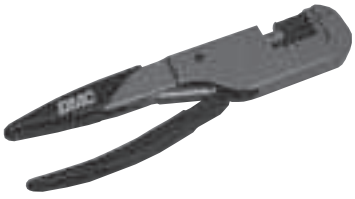



Receptacle

Note: Ferrule not shown.

Note: Ferrule not shown.

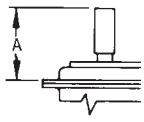
Tooling for 90° Crimp Braid

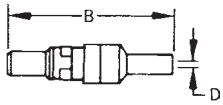


| Description | Part Number |
|---|---|
| Hand Tool: | 995-0001-761 |
| Die Set: | 995-2000-110 |

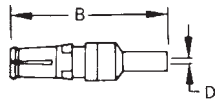
# Loose Contacts Size 8 – Coaxial 50 Ohm, Straight

## Straight Crimp Braid




Plug



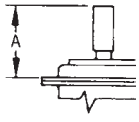

Receptacle

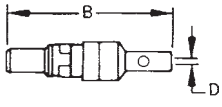
Note: Dimensions include outer sleeve.

| | Part Number Gold over Nickel | Part Number (50 µin) 1,27 µm Gold over Copper | A max | B max | D min | RG Cable Number old | new |
|---|---|---|---|---|---|---|---|
| Plug | DM53740 | DM35740-17 | 18,80 (.74) | 24,00 (.94) | 1,00 (.039) | 196/U | 178B/U |
| Plug | DM53740-1 | DM53740-15 | 18,80 (.74) | 24,00 (.94) | 1,70 (.067) | 187/U | 179B/U |
| | | | | | | 188/U | 316B/U |
| Plug | DM53740-35 | – | 18,80 (.74) | 24,00 (.94) | 1,70 (.067) | – | RD316 |
| Plug | DM53740-3 | DM53740-16 | 21,50 (.847) | 26,34 (1.037) | 2,79 (.110) | 195/U | 180B/U |
| Plug | DM53740-5 | DM53740-18 | 21,50 (.847) | 26,34 (1.037) | 3,18 (.125) | 58/U | 588/U |
| Receptacle | DM53742 | DM53742-18 | 18,80 (.74) | 24,00 (.94) | 1,00 (.039) | 196/U | 178B/U |
| Receptacle | DM53742-1 | DM53742-16 | 18,80 (.74) | 24,00 (.94) | 1,70 (.067) | 187/U | 179B/U |
| | | | | | | 188/U | 316B/U |
| Receptacle | DM53742-36 | – | 18,80 (.74) | 24,00 (.94) | 1,70 (.067) | – | RD316 |
| Receptacle | DM53742-5 | DM53742-19 | 21,50 (.847) | 26,34 (1.037) | 3,18 (.125) | 58/U | 58B/U |
| Receptacle | DM53742-5 | DM53742-19 | 21,50 (.847) | 26,34 (1.037) | 3,18 (.125) | 58/U | 588/U |

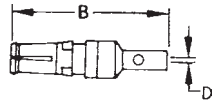
For Crimp tooling, see page 47.

## Straight Solder Braid




Plug



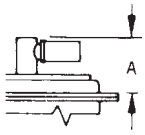

Receptacle

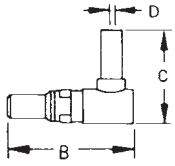
| | Part Number Gold over Nickel | Part Number 1,27 µm Gold over Copper | A max | B max | D min | RG Cable Number old | new |
|---|---|---|---|---|---|---|---|
| Plug | DM53740-5008 | DM53740-5105 | 18,80 (.74) | 24,00 (.94) | 1,00 (.039) | 196/U | 178B/U |
| Plug | DM53740-5001 | DM53740-5099 | 18,80 (.74) | 24,00 (.94) | 1,70 (.067) | 187/U | 179B/U |
| | | | | | | 188/U | 316B/U |
| Plug | DM53740-5145 | – | 18,80 (.74) | 24,00 (.94) | 1,70 (.067) | – | RD316 |
| Plug | DM53740-5002 | DM53740-5104 | 21,50 (.847) | 26,34 (1.037) | 2,79 (.110) | 195/U | 180B/U |
| Plug | DM53740-5005 | DM53740-5101 | 21,50 (.847) | 26,34 (1.037) | 3.18 (.125) | 58/U | 58/U |
| Plug (Short) | DM53640-5000 | DM53740-5100 | 17,00 (.670) | 22,20 (.882) | 1,14 (.045) | 196/U | 178B/U |
| Receptacle | DM53742-5126 | DM53742-5092 | 18,80 (.74) | 24,00 (.94) | 1,00 (.039) | 196/U | 178B/U |
| Receptacle | DM53742-5002 | DM53742-5086 | 18,80 (.74) | 24,00 (.94) | 1.70 (.067) | 187/U | 179B/U |
| | | | | | | 188/U | 316B/U |
| Receptacle | DM53742-5126 | – | 18,80 (.74) | 24,00 (.94) | 1,70 (.067) | – | RD316 |
| Receptacle | DM53742-5002 | DM53742-5091 | 21,50 (.847) | 26,34 (1.037) | 2,79 (.110) | 195/U | 180B/U |
| Receptacle | DM53742-5004 | DM53742-5086 | 21,50 (.847) | 26,34 (1.037) | 3,18 (.125) | 58/U | 58/U |
| Receptacle (Short) | DM53742-5000 | DM53742-5085 | 17,00 (.670) | 22,20 (.882) | 1,14 (.045) | 196/U | 178B/U |

Dimensions shown in mm
Specifications and dimensions subject to change

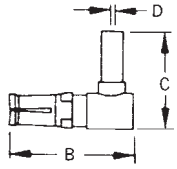
# Loose Contacts Size 8 – Coaxial 50 Ohm, 90°

### 90° Crimp Braid




**Plug**



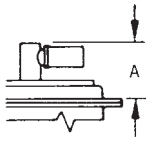

**Receptacle**

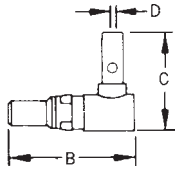
Note: Dimensions include outer sleeve.

| | Part Number Gold over Nickel | Part Number 50 µ in Gold over Copper | A max | B max | C | D ± 0,13 | RG Cable Number old | RG Cable Number new |
|---|---|---|---|---|---|---|---|---|
| Plug | DM53741 | DM53741-12 | 13,46 (.530) | 18,92 (.745) | 15,10 (.594) | 1,14 (.045) | 196/U | 178B/U |
| Plug | DM53741-1 | DM53741-11 | 13,46 (.530) | 18,92 (.745) | 15,10 (.594) | 1,83 (.072) | 187/U | 179B/U |
| | | | | | | | 188/U | 316B/U |
| Plug | DM53741-3 | DM53741-10 | 13,46 (.530) | 18,92 (.745) | 16,00 (.630) | 2,79 (.110) | | |
| Plug | DM53741-4 | DM53741-13 | 13,46 (.530) | 18,92 (.745) | 16,00 (.630) | 3,18 (.125) | 58/U | 58B/U |
| Receptacle | DM53743-2 | DM53743-18 | 13,46 (.530) | 18,92 (.745) | 15,09 (.594) | 1,14 (.045) | 196/U | 178B/U |
| Receptacle | DM53743-3 | DM53743-16 | 13,46 (.530) | 18,92 (.745) | 15,09 (.594) | 1,83 (.072) | 187/U | 179B/U |
| | | | | | | | 188/U | 316B/U |
| Receptacle | DM53743-5 | DM53743-17 | 13,46 (.530) | 18,92 (.745) | 16,00 (.630) | 2,79 (.110) | | |
| Receptacle | DM53743-6 | DM53743-19 | 13,46 (.530) | 18,92 (.745) | 16,00 (.630) | 3,18 (.125) | 58/U | 58B/U |

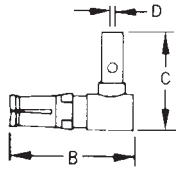
For Crimp tooling, see page 47.

### 90° Solder Braid




**Plug**

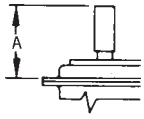


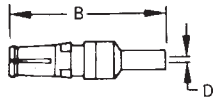

**Receptacle**

| | Part Number Gold over Nickel | Part Number 50 µ in Gold over Copper | A max | B max | C | D ± 0,13 | RG Cable Number old | RG Cable Number new |
|---|---|---|---|---|---|---|---|---|
| Plug | DM53741-5000 | DM53741-5059 | 13,46 (.530) | 18,92 (.745) | 15,10 (.594) | 1,00 (.039) | 196/U | 178B/U |
| Plug | DM53741-5001 | DM53741-5062 | 13,46 (.530) | 18,92 (.745) | 15,10 (.594) | 1,70 (.067) | 187/U | 179B/U |
| | | | | | | | 188/U | 316B/U |
| Plug | DM53741-5003 | DM53741-5063 | 13,46 (.530) | 18,92 (.745) | 16,00 (.630) | 2,79 (.110) | | |
| Plug | DM53741-5004 | DM53741-5060 | 13,46 (.530) | 18,92 (.745) | 16,00 (.630) | 3,18 (.125) | 58/U | 58B/U |
| Receptacle | DM53743-5000 | DM53743-5073 | 13,46 (.530) | 18,92 (.745) | 15,09 (.594) | 1,00 (.039) | 196/U | 178B/U |
| Receptacle | DM53743-5001 | DM53743-5076 | 13,46 (.530) | 18,92 (.745) | 15,09 (.594) | 1,70 (.067) | 187/U | 179B/U |
| | | | | | | | 188/U | 316B/U |
| Receptacle | DM53743-5003 | DM53743-5077 | 13,46 (.530) | 18,92 (.745) | 16,00 (.630) | 2,79 (.110) | | |
| Receptacle | DM53743-5004 | DM53743-5074 | 13,46 (.530) | 18,92 (.745) | 16,00 (.630) | 3,18 (.125) | 58/U | 58B/U |

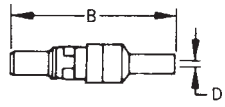
## Cable (Size 8) Loose Contacts — Coaxial 50 Ohm — Straight

### Straight Crimp Braid




Plug

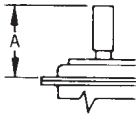


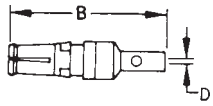

Receptacle

Note: Dimensions include outer sleeve

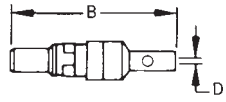
| Description | Part Number 50µ in. Gold Over Copper | A max. | B max. | D min. | RG Cable Number Old | New |
|---|---|---|---|---|---|---|
| Plug | DM53740-36 | 18,80 (.739) | 24,00 (.945) | 1,70 (.067) | 187/U<br>188/U | 179B/U<br>316B/U |
| Receptacle | DM53742-37 | 18,80 (.739) | 24,00 (.945) | 1,70 (.067) | 187/U<br>188/U | 179B/U<br>316B/U |

### Staight Solder Braid




Plug




Receptacle

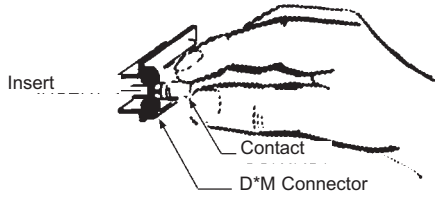
| Description | Part Number 50µ in. Gold Over Copper | A max. | B max. | D min. | RG Cable Number Old | New |
|---|---|---|---|---|---|---|
| Plug | DM53740-5147 | 18,80 (.739) | 24,00 (.945) | 1,70 (.067) | 187/U<br>188/U | 179B/U<br>316B/U |
| Receptacle | DM53742-5127 | 18,80 (.739) | 24,00 (.945) | 1,70 (.067) | 187/U<br>188/U | 179B/U<br>316B/U |

# Insertion / Extraction Instructions for Coaxial, High Power and High Voltage Contacts

### Insertion Tool

No insertion tool is required. The contact is easily snapped in from the rear of the connector manually.

### Insertion Instructions



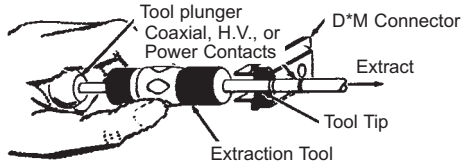

### Extraction Tool

**CET-CGB-2**

The CET-C6B-2 tool extracts all coaxial, high power and high voltage contacts (plug and receptacle).

| Description | Part Number |
|---|---|
| CET-C6B-2 | 070064-0002 |

### Operating Instructions



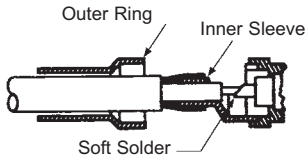

To extract the coaxial contact, hold the tool by the body and insert the tip into the front of the contact cavity until it bottoms and closes the coaxial retaining ring. Holding the body in this position securely enough to keep coaxial retaining ring closed, push the plunger; contact will be pushed out of the rear of the assembly.

# Coaxial Assembly Instructions

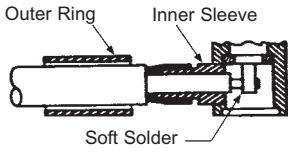
### Straight and 90° Coaxial Assembly Step 1:

Slide the outer ring over the cable jacket. Trim the cable as specified in the table of Coaxial Cable Trim Dimensions (see this page). Insert the cable dielectric and center conductor into the inside diameter of the inner sleeve. Then solder the center conductor to the coaxial center contact.

**Straight Coaxial**



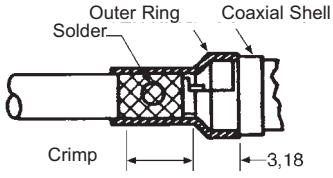

**90° Coaxial**



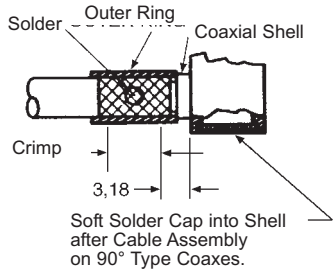

### Straight and 90° Coaxial Assembly Step 2:

Slide the outer ring forward until it is flush with the coaxial shell containing the braid between the outer ring and the inner sleeve. For solder type coaxes, soft solder the outer ring to the assembly through the cross-drilled solder hold. For crimp type coaxes, crimp with the appropriate tool in the area defined.

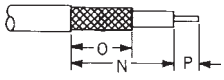
**Straight Coaxial**




**90° Coaxial**




### Coaxial Cable Trim Dimensions




| Straight Coaxial<br>RG Cable Number | N | O | P |
|---|---|---|---|
| 196/U, 178B/U, 187/U, 188/U, 179B/U, 316B/U | 7,92 (.312) | 6,35 (.250) | 1,98 (.078) |
| 58/U, 58B/U | 9,52 (.375) | 7,92 (.312) | 1,98 (.078) |

| 90° Coaxial<br>RG Cable Number | N | O | P |
|---|---|---|---|
| 196/U, 178B/U, 187/U, 188/U, 179B/U, 316B/U | 9,52 | 5,94 | 1,57 |
| 58/U, 58B/U | 10,69 | 7,92 | 2,39 |

### Crimp Tooling




| RG Cable Number<br>Closure | Tool Part Number | | Description |
|---|---|---|---|
| 196/U, 178B/U | 070051-0000 | CCT-DM | A |
| 187/U, 179B/U, 188/U, 316B/U | 070051-0000 | CCT-DM | B |
| 58/U, 58B/U | 070051-0000 | CCT-DM | C |

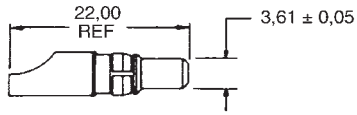
Hand Tool with integral die set for all coaxial straight crimp braid.

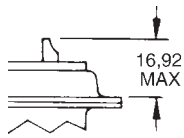
Dimensions shown in mm
Specifications and dimensions subject to change

## Loose Contacts, Size 8 – High Power – Solder

### Plug



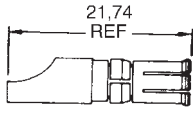


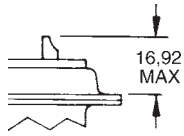




| Part Number Gold over Copper | Part Number (50 µin) 1,27 µm Gold over Copper | Current Rating A | Wire Size AWG |
|---|---|---|---|
| DM53745-1 | DM53745-28 | 40 A | 8 AWG |
| DM53745-7 | DM53745-27 | 20 A | 12 AWG |
| DM53745-8 | DM53745-25 | 10 A | 16 AWG |
| Extended Length Pin | DMS53745-134 | | |

### Receptacle





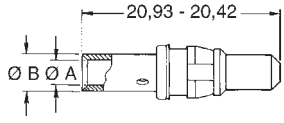



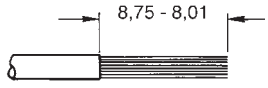

| Part Number Gold over Nickel | Part Number (50 µin) 1,27 µm Gold over Copper | Current Rating A | Wire Size AWG |
|---|---|---|---|
| DM53744-1 | DM53744-21 | 40 A | 8 AWG |
| DM53744-6 | DM53744-25 | 20 A | 12 AWG |
| DM53744-7 | DM53744-24 | 10 A | 16 AWG |

## Loose Contacts, Size 8 – High Power – Crimp

### Plug



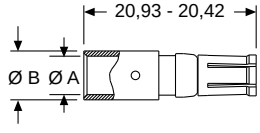


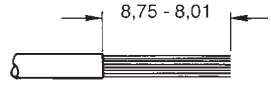




| Part Number Gold over Nickel | Part Number (30 µin) 0,76 µm Gold over Copper | Part Number (50 µin) 1,27 µm Gold over Copper | A | B | Current Rating A | Wire Size AWG |
|---|---|---|---|---|---|---|
| DM130338-4 | DM130338 | DM130338-1 | 4,60 (.181) | 5,84 (.230) | 40 A | 8 AWG |
| DM130339-4 | DM130339 | DM130339-1 | 2,54 (.100) | 5,54 (.218) | 20 A | 12 AWG |
| DM130340-4 | DM130340 | DM130340-1 | 1,07 (.067) | 2,59 (.102) | 10 A | 16 AWG |
| Extended Length Pin | DM130339-6 | | | | | |

### Receptacle






| Part Number Gold over NIckel | Part Number (30 µin) 0,76 µm Gold over Copper | Part Number (50 µin) 1,27 µm Gold over Copper | A | B | Current Rating A | Wire Size AWG |
|---|---|---|---|---|---|---|
| DM130341-4 | DM130341 | DM130341-1 | 4,60 (.181) | 5,84 (.230) | 40 A | 8 AWG |
| DM130342-4 | DM130342 | DM130342-1 | 2,54 (.100) | 5,54 (.218) | 20 A | 12 AWG |
| DM130343-4 | DM130343 | DM130343-1 | 1,07 (.067) | 2,59 (.102) | 10 A | 16 AWG |

## High Power Crimp Tooling



| Wire Size AWG | Crimp Tool | Tool Setting Number | Locator |
|---|---|---|---|
| 8 AWG | M300-BT | 6 | TP968 |
| 10 AWG | M300-BT | 5 | TP968 |
| 12/14 AWG | M300-BT | 1 | TP968 |
| 16 AWG | FT-8 | 6 | TH554 |
| 18 AWG | FT-8 | 5 | TH554 |

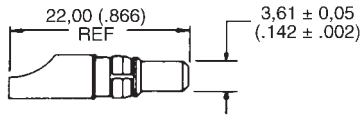
Dimensions shown in mm

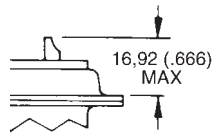
Specifications and dimensions subject to change

## Loose Contacts, Size 8 — High Power — Solder —Non-Magnetic

Plug



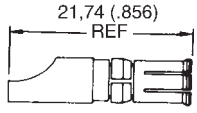


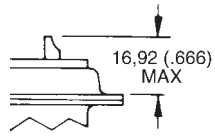




| Part Number 50µ. in. Gold Over Copper Non-Magnetic | Part Number 50µ. in. Gold Over Copper Non-Magnetic (European) | Current Rating | Wire Size |
|---|---|---|---|
| DM53745-72 | DM115224-1040A | 40 A | 8 AWG |
| DM53745-71 | DM115224-1020A | 20 A | 12 AWG |
| DM53745-70 | DM115224-1010A | 10 A | 16 AWG |

Receptacle





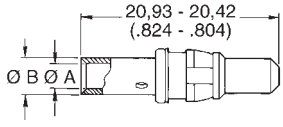




| Part Number 50µ. in. Gold Over Copper Non-Magnetic | Part Number 50µ. in. Gold Over Copper Non-Magnetic (European) | Current Rating | Wire Size |
|---|---|---|---|
| DM53744-62 | DM115224-2040A | 40 A | 8 AWG |
| DM53744-64 | DM115224-2020A | 20 A | 12 AWG |
| DM53744-63 | DM115224-2010A | 10 A | 16 AWG |

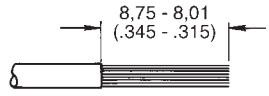
## Loose Contacts, Size 8 — High Power — Crimp—Non-Magnetic

Plug





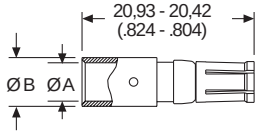

Recommended Wire Trim Length



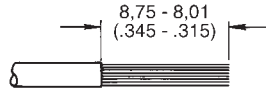

| Part Number 50µ. in. Gold Over Copper Non-Magnetic | XA max. | XB max. | Part Number 50µ. in. Gold Over Copper Non-Magnetic (European) | XA min. | XB max. | Current Rating | Wire Size |
|---|---|---|---|---|---|---|---|
| DM115224-3040 | 4,60 (.181) | 5,84 (.230) | DM115224-3040A | 4,20 (.165) | 5,80 (.228) | 40 A | 8 AWG |
| DM115224-3020 | 2,54 (.100) | 5,54 (.218) | DM115224-3020A | 3,25 (.128) | 4,70 (.185) | 20 A | 12 AWG |
| DM115224-3010 | 1,07 (.067) | 2,59 (.102) | DM115224-3010A | 2,50 (.098) | 3,80 (.150) | 10 A | 16 AWG |

Receptacle






Recommended Wire Trim Length




| Part Number 50µ. in. Gold Over Copper Non-Magnetic | XA max. | XB max. | Part Number 50µ. in. Gold Over Copper Non-Magnetic (European) | XA min. | XB max. | Current Rating | Wire Size |
|---|---|---|---|---|---|---|---|
| DM115224-4040 | 4,60 (.181) | 5,84 (.230) | DM115224-4040A | 4,20 (.165) | 5,80 (.228) | 40 A | 8 AWG |
| DM115224-4020 | 2,54 (.100) | 5,54 (.218) | DM115224-4020A | 3,25 (.128) | 4,70 (.185) | 20 A | 12 AWG |
| DM115224-4010 | 1,07 (.067) | 2,59 (.102) | DM115224-4010A | 2,50 (.098) | 3,80 (.150) | 10 A | 16 AWG |

## Crimp High Power Tooling

M300-BT



| Wire Size | Crimp Tool/Locator: Crimp Tool | Tool Setting Number Standard Contacts | Tool Setting Number European Contacts | Locator |
|---|---|---|---|---|
| 8 AWG | M300-BT | 6 | 6 | TP968 |
| 10 AWG | M300-BT | 5 | 2 | TP968 |
| 12 AWG | M300-BT | 1 | 1 | TP968 |

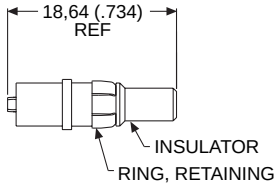
ITT

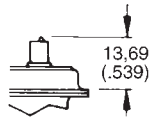
Dimensions shown in mm

## Cable (Size 8) Loose Contacts — High Voltage — Straight

Plug





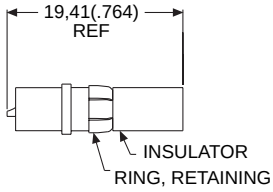



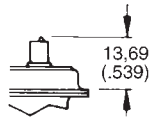

For tooling, see page .

| Part Number Gold over Ni | Part Number 50 µin. Gold | Wire Size |
|---|---|---|
| DM51157 | DM51157-8 | 20 AWG |

Receptacle





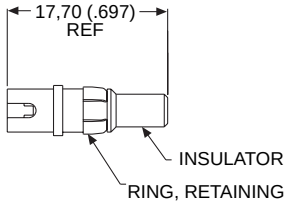

For tooling, see page .

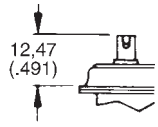
| Part Number Gold over Ni | Part Number 50 µin. Gold | Wire Size |
|---|---|---|
| DM51155 | DM51155-7 | 20 AWG |

## Cable (Size 8) Loose Contacts — High Voltage — 90˚

Plug





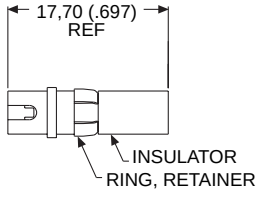



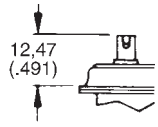

For tooling, see page

| Part Number Gold over Ni | Part Number 50 µin. Gold | Wire Size |
|---|---|---|
| DM51157-5000 | DM51157-5005 | 20 AWG |

Receptacle






For tooling, see page

| Part Number Gold over Ni | Part Number 50 µin. Gold | Wire Size |
|---|---|---|
| DM51155-5000 | DM51155-5004 | 20 AWG |

## PCB (Size 8) Loose Contact — Coaxial — Straight

### Plug

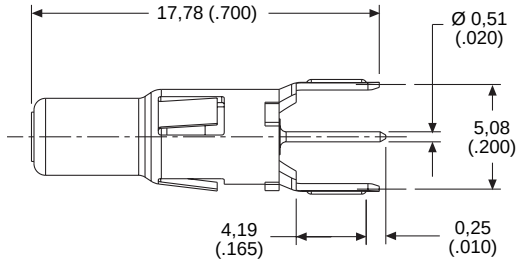
50 Ohm

| Description | Part Number |
|---|---|
| Plug 30 µin Gold DM | 130365 |
| Plug 50 µin Gold DM | 130365-2 |

75 Ohm

| Description | Part Number |
|---|---|
| Plug 30 µin Au | DM130358-2 |
| Plug 50 µin Au | DM130358-4 |





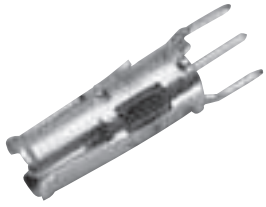

### Receptacle

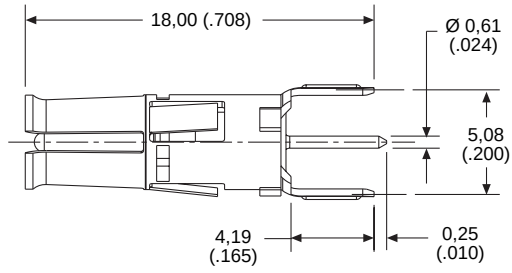
50 Ohm

| Description | Part Number |
|---|---|
| Receptacle 30 µin Gold DM | 130363 |
| Receptacle 50 µin Gold DM | 130363-2 |

75 Ohm

| Description | Part Number |
|---|---|
| Receptacle 30 µin Gold | DM130346-2 |
| Receptacle 50 µin Gold | DM130346-4 |






## PCB (Size 8) Loose Contact — Coaxial — 90°

### Plug

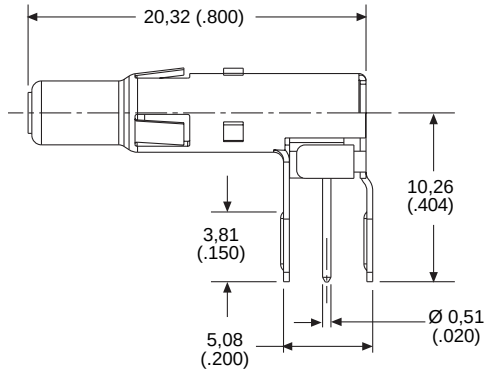
50 Ohm

| Description | Part Number |
|---|---|
| Plug 30 µin Gold DM | 130364 |
| Plug 50 µin Gold DM | 130364-2 |

75 Ohm

| Description | Part Number |
|---|---|
| Plug 30 µin Gold | DM130352-2 |
| Plug 50 µin Gold | DM130352-4 |






### Receptacle

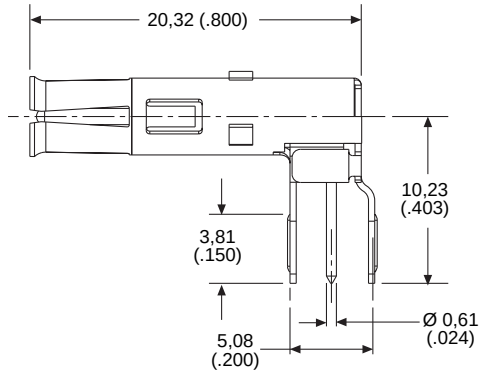
50 Ohm

| Description | Part Number |
|---|---|
| Receptacle 30 µin Gold DM | 130361 |
| Receptacle 50 µin Gold DM | 130361-2 |

75 Ohm

| Description | Part Number |
|---|---|
| Receptacle 30 µin Gold | DM130321-3 |
| Receptacle 50 µin Gold | DM130321-4 |





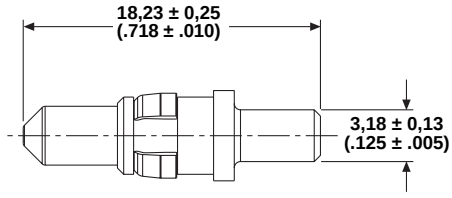

Dimensions shown in mm
Specifications and dimensions subject to change

## PCB (Size 8) Loose Contact — High Power— Straight

### Pin

| Description | Part Number Gold Over Nickel | 50 µin Gold |
|---|---|---|
| Pin | DM53745-110 | DM53745-112 |
| Extended Pin | DM53745-133 | |

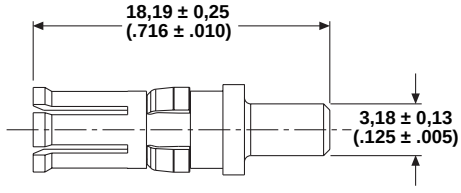





### Socket

| Description | Part Number Gold Over Nickel | 50 µin Gold |
|---|---|---|
| Pin | DM53744-98 | DM53744-100 |

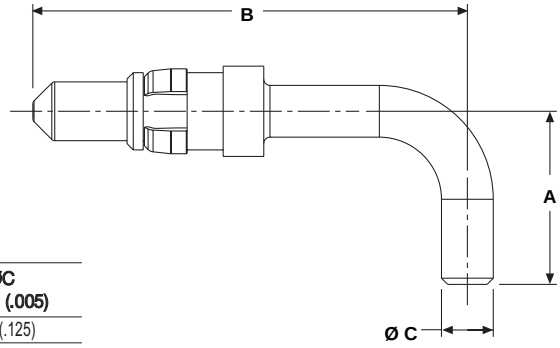





## PCB (Size 8) Loose Contact — High power — 90°

### Pin

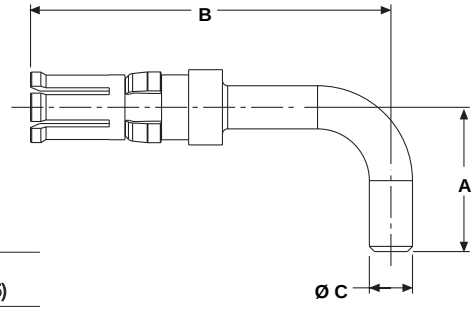





| Shell Size | 50 µin Gold Part Number | Gold Over Nickel Part Number | A ±0,25 (.010) | B ±0,25 (.010) | ØC ±0,13 (.005) |
|---|---|---|---|---|---|
| DE, DA, DB, DC | DM53745-106 | DM53745-104 | 10,62 (.418) | 26,64 (1.049) | 3,18 (.125) |
| DD | DM53745-109 | DM53745-107 | 13,41 (.528) | 26,64 (1.049) | 3,18 (.125) |
| European Footprint DE, DA, DB, DC, DD | | DM53745-120 | 18,06 (.711) | 11,00 (.433) | 2,90 (.114) |
| Extended Pin | | DM53745-135 | | | |

### Socket



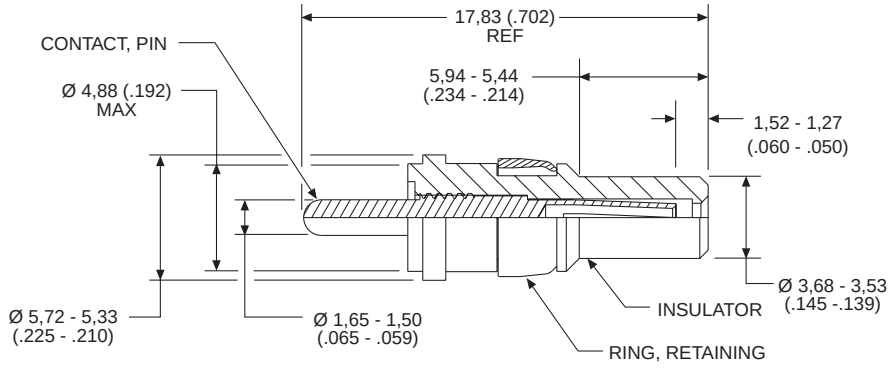



| Shell Size | 50 µin Gold Part Number | Gold Over Nickel Part Number | A ±0,25 (.010) | B ±0,25 (.010) | ØC ±0,13 (.005) |
|---|---|---|---|---|---|
| DE, DA, DB, DC | DM53744-94 | DM53744-92 | 13,41 (.528) | 26,52 (1.044) | 3,18 (.125) |
| Extended DD | DM53744-97 | DM53744-95 | 10,62 (.418) | 26,52 (1.044) | 3,18 (.125) |
| European Footprint DE, DA, DB, DC, DD | | DM53744-107 | 11,00 (.433) | 17,93 (.706) | 2,90 (.114) |

## PCB (Size 8) Loose Contacts — High Voltage — Straight

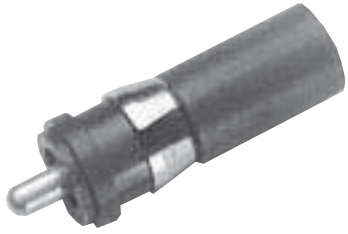
Plug

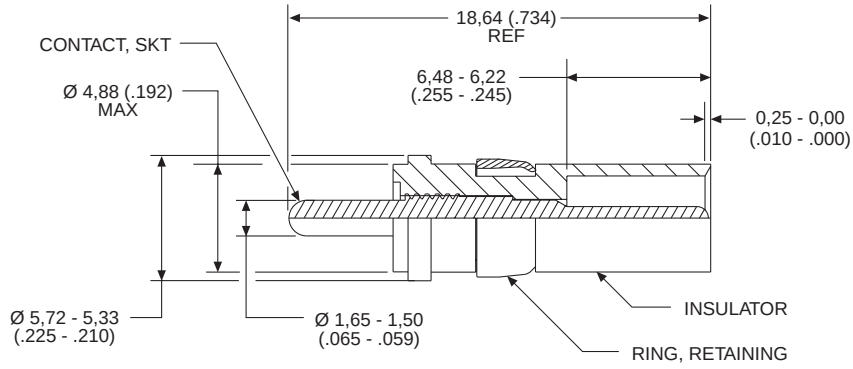





| Part Number Gold over Ni | Part Number 50µ in. Gold |
|---|---|
| DM51157-13 | DM51157-14 |

Receptacle






| Part Number Gold over Ni | Part Number 50µ in. Gold |
|---|---|
| DM51155-12 | DM51155-13 |

Dimensions shown in mm
Specifications and dimensions subject to change

## Hybrid Connector (Electrical/Fiber Optic)

Size 8 Terminus Adapter allows any PHD Optical Terminus to be coupled into any Combo D connector.

**Multi-functional Interconnect Series**

Combining: 30 Amp power contact
RF contacts (straight/right angle)
Size 22 LF signal contacts (straight/right angle)
Size 22 Fiber Optic Termini (Single & Multi Mode)

| | Multi Mode 62,5/125 | Single Mode SMF 28 |
|---|---|---|
| Ferrule (O.D.) | 1.25 mm | 1.25 mm |
| Insertion Loss (dB typ.) | 0.30 | 0.35 |
| Maximum Loss (dB max.) | 0.50 | 0.60 |
| Return Loss (dB typ.) | 25 | 55 |
| Return Loss (dB min.) | 20 | 50 |
| Channel Servicing | Single | |
| Channel Repair | Single | |
| Cyclic Durability | 1000 | |

Fiber Optic Pin Adapter

Fiber Optic Socket Adapter

## Product Notes

1. Packaging identification includes manufacturer's name and part number.
2. Material / Finish:
   Ferrule: Zirconia Ceramic / N.A.
   Terminus assembly: Brass Alloy / Gold plating
   Adapter assembly: Stainless steel / Passivate-hardware
3. Insertion / Removal tool: 274-0053-0000
4. Consult factor for assembly and termination tools or factory build cable assemblies.
5. Application include: Military/Aero space Fiber Optic Interconnect environments.

| PHD Adapter Part Numbers | | |
|---|---|---|
| Genderless Terminus for use with PHD Adapters & Combo-D Connectors | | |
| | Ferrule I.D. | |
| Single Mode SMF28 | 125 | 031-9727-007 |
| Multi Mode 50/125 & 62.5/125 | 127 | 031-9727-008 |
| Multi Mode 100/140 | 142 | 031-9727-003 |

| PHD Adapter Part Numbers | |
|---|---|
| Pin | Socket |
| 140285-0000 | 140286-0000 |

Fiber Optic Pin Adapter

Fiber Optic Socket Adapter

Dimensions shown in mm
Specifications and dimensions subject to change

## PCB Guide Pin and Socket

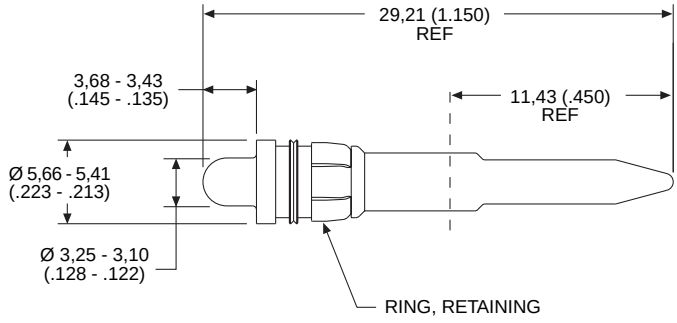


Installs into any Combo D, Size 8 cavity. This guide pin and socket system is ideal for blind mate applications where space is limited.

### PCB Guide Pin



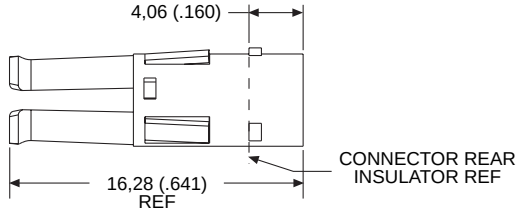
| Part Number | Material | Finish |
|---|---|---|
| DM53745-126 | Copper Alloy | Tin |




### PCB Guide Socket



| Part Number | Material | Finish |
|---|---|---|
| 248-2967-000 | Copper Alloy | Tin |



## NASA/GSFC Cross Reference

| NASA/GSFC Part Number | ITT Cannon Part Number | NASA/GSFC Part Number | ITT Cannon Part Number | NASA/GSFC Part Number | ITT Cannon Part Number |
|---|---|---|---|---|---|
| GO8P1 | 030-2042-002 | 311-P-10-12S-B-15 | DBM13W3S-NMB-76 | 311-P-10-24P-B-12 | DDM43W2P-NMB-77 |
| GO8S1 | 031-1147-002 | | | | |
| S-311-P-4/6GCP1 | DM53740-17 | 311-P-10-13P-B-12 | DBM17W2PNMB77 | | |
| S-311-P-4/6GCP2 | DM53740-15 | 311-P-10-13P-B-15 | DBM-17W2P-NMB-76 | | |
| S-311-P-4/6GCP3 | DM53740-16 | | | | |
| S-311-P-4/6GCP4 | DM53740-18 | | | 311-P-10-3S-B-12 | DBM25PNMB77 |
| S-311-P-4/6GCRP1 | DM53741-12 | 311-P-10-13S-B-12 | DBM17W2SNMB77 | 311-P-10-3P-B-15 | DBM25PNMB76 |
| S-311-P-4/6GCRP2 | DM53741-11 | | | | |
| S-311-P-4/6GCRP3 | DM53741-10 | | | | |
| S-311-P-4/6GCRP4 | DM53741-13 | 311-P-10-14P-B-12 | DBM-21W1P-NMB-77 | 311-P-10-3S-B-12 | DBM25PNMB77 |
| S-311-P-4/6GCRS1 | DM53743-18 | 311-P-10-14P-B-15 | DBM-21W1P-NMB-76 | 311-P-10-3S-B-15 | DBM-25S-NMB-76 |
| S-311-P-4/6GCRS2 | DM53743-16 | 311-P-10-14S-B-12 | DBM-21W1S-NMB-77 | | |
| S-311-P-4/6GCRS3 | DM53743-17 | 311-P-10-14S-B-15 | DBM-21W1S-NMB-76 | | |
| S-311-P-4/6GCRS4 | DM53743-19 | | | 311-P-10-4P-B-12 | DCM37PNMB77 |
| S-311-P-4/6GCS1 | DM53742-18 | 311-P-10-15P-B-12 | DCM-8W8P-NMB-77 | 311-P-10-4P-B-15 | DCM37PNMB76 |
| S-311-P-4/6GCS2 | DM53742-16 | 311-P-10-15P-B-15 | DCM8W8PNMB76 | | |
| S-311-P-4/6GCS3 | DM53742-17 | | | | |
| S-311-P-4/6GCS4 | DM53742-19 | | | 311-P-10-4S-B-12 | DCM37SNMB77 |
| S-311-P-4/6GHP6 | DM51157-8 | 311-P-10-15S-B-12 | DCM-8W8S-NMB-77 | 311-P-10-4S-B-15 | DCM-37S-NMB-76 |
| S-311-P-4/6GHRP6 | DM51157-5005 | 311-P-10-15S-B-15 | DCM8W8SNMB76 | | |
| S-311-P-4/6GHRS6 | DM51155-5005 | | | | |
| S-311-P-4/6GHS6 | DM51155-7 | | | 311-P-10-5P-B-12 | DDM50PNMB77 |
| 311P409-1P-B-12 | DEMA9PNMBK47FO | 311-P-10-16P-B-12 | DCM-13W6P-NMB-77 | 311-P-10-5P-B-15 | DDM50PNMB76 |
| 311P409-1P-B-15 | DEMAK9PNMBK47FO | 311-P-10-16P-B-15 | DCM-13W6P-NMB-76 | | |
| 311P409-1S-B-12 | DEMA9SNMBK47FO | | | | |
| 311P409-1S-B-15 | DEMAK9SNMBK47FO | | | 311-P-10-5S-B-12 | DDM50SNMB77 |
| 311P409-2P-B-12 | DEMA15PNMBK47FO | 311-P-10-16S-B-12 | DCM-13W6S-NMB-77 | 311-P-10-5S-B-15 | DDM50SNMB76 |
| 311P409-2P-B-15 | DEMAK15PNMBK47FO | | | | |
| 311P409-2S-B-12 | DEMA15SNMBK47FO | | | | |
| 311P409-2S-B-15 | DEMAK15SNMBK47FO | 311-P-10-17P-B-12 | DCM17W5PNMB77 | 311-P-10-6P-B-12 | DEM-5W1P-NMB-77 |
| 311P409-3P-B-12 | DEMA25PNMBK47FO | 311-P-10-17P-B-15 | DCM-17W5P-NMB-76 | 311-P-10-6P-B-15 | DEM-5W1P-NMB-76 |
| 311P409-3P-B-15 | DEMAK25PNMBK47FO | | | | |
| 311P409-3S-B-12 | DEMA25SNMBK47FO | | | 311-P-10-6S-B-12 | DEM-5W1S-NMB-77 |
| 311P409-3S-B-15 | DEMAK25SNMBK47FO | 311-P-10-17S-B-12 | DCM-17W5S-NMB-77 | | |
| 311P409-4P-B-12 | DEMA37PNMBK47FO | 311-P-10-17S-B-15 | DCM17W5S-NMB-76 | 311-P-10-7P-B-12 | DAM3W3PNMB77 |
| 311P409-4P-B-15 | DEMAK37PNMBK47FO | | | 311-P-10-7P-B-15 | DAM-3W3P-NMB-76 |
| 311P409-4S-B-12 | DEMA37SNMBK47FO | | | | |
| 311P409-4S-B-15 | DEMAK37SNMBK47FO | 311-P-10-18P-B-12 | DCM-21WA4P-NMB-77 | | |
| 311P409-5P-B-12 | DEMA50PNMBK47FO | 311-P-10-18P-B-12 | DCM21WA4P-NMB-76 | 311-P-10-7S-B-12 | DAM3W3SNMB77 |
| 311P409-5S-B-15 | DEMAK50PNMBK47FO | | | 311-P-10-7S-B-15 | DAM3W3SNMB76 |
| 311P409-5S-B-12 | DEMA50SNMBK47FO | 311-P-10-18S-B-12 | DCM-21WA4S-NMB-77 | | |
| 311P409-5S-B-15 | DEMAK50PNMBK47FO | 311-P-10-18S-B-15 | DCM21WA4S-NMB-76 | | |
| S-311-P-4/10G1OP1 | 330-5291-081-02 | 311-P-10-19P-B-12 | DCM-21W4P-NMB-77 | 311-P-10-8P-B-12 | DAM-7W2P-NMB-77 |
| S-311-P-4/10G1OS1 | 031-1007-052-05 | 311-P-10-19S-B-12 | DCM-21W4S-NMB-77 | 311-P-10-8P-B-15 | DAM-7W2P-NMB-76 |
| 311-P-10-B-1S-B-15 | DEMB9S-NMB-76 | | | | |
| 311-P-10-B-4S-B-15 | DCMB37S-NMB-76 | 311-P-10-2P-B-12 | DAM15PNMB77 | 311-P-10-8S-B-12 | DAM-7W2S-NMB-77 |
| 311-P-10-1P-B-12 | DEMPPNMB77 | 311-P-10-2P-B-15 | DAM15PNMB76 | | |
| 311-P-10-1P-B-15 | DEM-9P-NMB-76 | | | | |
| | | | | 311-P-10-9P-B-12 | DAM-11W1P-NMB-77 |
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| 311-P-10-1S-B-12 | DEM9SNMB77 | 311-P-10-2S-B-15 | DAM-15S-NMB-76 | | |
| 311-P-10-1S-B-15 | DEM-9S-NMB-76 | | | | |
| | | | | 311-P-10-9S-B-12 | DAM-11W1S-NMB-77 |
| | | 311-P-10-20P-B-12 | DCM-25W3P-NMB-77 | 311-P-10-9S-B-15 | DAM-11W1S-NMB-76 |
| 311-P-10-10P-B-12 | DBM5W5PNMB77 | | | | |
| 311-P-10-10P-B-15 | DBM-5W5P-NMB-76 | 311-P-10-20S-B-12 | DCM-25W36-NMB-77 | | |
| | | | | 311-P-10B-1S-B-12 | DEMB9SNMB77 |
| 311-P-10-10S-B-12 | DBM-5W5S-NMB-77 | | | | |
| 311-P-10-10S-B-15 | DBM-5W5S-NMB-76 | | | 311-P-10B-13S-B-15 | DBMB-17W2S-NMB-76 |
| | | 311-P-10-22P-B-12 | DDM-24W7P-NMB-77 | 311-P-10B-17S-B-15 | DCMB-17W5S-NMB-76 |
| | | 311-P-10-22P-B-15 | DDM24W7PNMB76 | 311-P-10B-2S-B-12 | DAMB15SNMB77 |
| 311-P-10-11P-B-12 | DBM-9W4P-NMB-77 | | | | |
| | | 311-P-10-22S-B-12 | DDM24W7SNMB77 | | |
| 311-P-10-11S-B-12 | DBM-9W4S-NMB-77 | 311-P-10-22S-B-15 | DDM-24W7S-NMB-76 | 311-P-10B-22S-B-15 | DDMB-247S-NMB-76 |
| | | | | 311-P-10B-3S-B-12 | DBMB-25S-NMB-77 |
| 311-P-10-12P-B-12 | DBM13W3P-NMB-77 | 311-P-10-23P-B-12 | DDM-36W4P-NMB-77 | 311-P-10B-3S-B-15 | DBMB-25S-NMB-76 |
| 311-P-10-12P-B-15 | DBM-13W3P-NMB-76 | 311-P-10-23S-B-12 | DDM-36W4S-NMB-77 | | |
| | | 311-P-10-23S-B-15 | DDM36W4SNMB76 | | |
| 311-P-10-12S-B-12 | DBM-13W3S-NMB-77 | | | 311-P-10B-4S-B-12 | DCMB-37S-NMB-77 |

## NASA/GSFC Cross Reference

| NASA/GSFC Part Number | ITT Cannon Part Number | NASA/GSFC Part Number | ITT Cannon Part Number | NASA/GSFC Part Number | ITT Cannon Part Number |
|---|---|---|---|---|---|
| | | | | 311-P-10B-8S-B-15 | DAMB-7W2S-NMB-76 |
| | | | | 311-P-10B-9S-B-12 | DAMB-11W1S-NMB-77 |
| 311-P-10B-5S-B-12 | DDMB-50S-NMB-77 | 311-P-10B-6S-B-15 | DEMB-5W1S-NMB-76 | | |
| 311-P-10B-5S-B-15 | DDMB50S-NMB-76 | 311-P-10B-8S-B-12 | DAMB-7W2S-NMB-77 | | |

## ESA/SCC Cross Reference

| ESA-SCC Part Number | ITT Cannon Part Number | ESA-SCC Part Number | ITT Cannon Part Number | ESA-SCC Part Number | ITT Cannon Part Number |
|---|---|---|---|---|---|
| 340100101B | DEM5W1SNMBK52 | 340100101B | DBM17W2POL3NMBK52 | 340100101B | DAM7W2P1A7NNMBK52 |
| 340100101B | DAM3W3SNMBK52 | 340100101B | DBM21W1POL3NMBK52 | 340100101B | DAM11W1P1A7NNMBK52 |
| 340100101B | DAM7W2SNMBK52 | 340100101B | DCM13W6POL3NMBK52 | 340100101B | DBM9W4P1A7NNMBK52 |
| 340100101B | DAM11W1SNMBK52 | 340100101B | DCM17W5POL3NMBK52 | 340100101B | DBM13W3P1A7NNMBK52 |
| 340100101B | DBM5W5SNMBK52 | 340100101B | DCM21WA4POL3NMBK52 | 340100101B | DBM17W2P1A7NNMBK52 |
| 340100101B | DBM9W4SNMBK52 | 340100101B | DCM25W3POL3NMBK52 | 340100101B | DBM21W1P1A7NNMBK52 |
| 340100101B | DBM13W3SNMBK52 | 340100101B | DCM27W2POL3NMBK52 | 340100101B | DCM13W6P1A7NNMBK52 |
| 340100101B | DBM17W2SNMBK52 | 340100101B | DDM24W7POL3NMBK52 | 340100101B | DCM17W5P1A7NNMBK52 |
| 340100101B | DBM21W1SNMBK52 | 340100101B | DDM36W4POL3NMBK52 | 340100101B | DCM21WA4P1A7NNMBK52 |
| 340100101B | DCM8W8SNMBK52 | 340100101B | DDM43W2POL3NMBK52 | 340100101B | DCM25W3P1A7NNMBK52 |
| 340100101B | DCM13W6SNMBK52 | 340100101B | DDM47W1POL3NMBK52 | 340100101B | DCM27W2P1A7NNMBK52 |
| 340100101B | DCM17W5SNMBK52 | 340100101B | DEM5W1S1AONNMBK52 | 340100101B | DDM24W7P1A7NNMBK52 |
| 340100101B | DCM21WA4SNMBK52 | 340100101B | DAM7W2S1AONNMBK52 | 340100101B | DDM36W4P1A7NNMBK52 |
| 340100101B | DCM25W3SNMBK52 | 340100101B | DAM11W1S1AONNMBK52 | 340100101B | DDM43W2P1A7NNMBK52 |
| 340100101B | DCM27W2SNMBK52 | 340100101B | DBM9W4S1AONNMBK52 | 340100101B | DDM47W1P1A7NNMBK52 |
| 340100101B | DDM24W7SNMBK52 | 340100101B | DBM13W3S1AONNMBK52 | 340100101B | DEM5W1S1A9NNMBK52 |
| 340100101B | DDM36W4SNMBK52 | 340100101B | DBM17W2S1AONNMBK52 | 340100101B | DAM7W2S1A9NNMBK52 |
| 340100101B | DDM43W2SNMBK52 | 340100101B | DBM21W1S1AONNMBK52 | 340100101B | DAM11W1S1A9NNMBK52 |
| 340100101B | DDM47W1SNMBK52 | 340100101B | DCM13W6S1AONNMBK52 | 340100101B | DBM9W4S1A9NNMBK52 |
| 340100101B | DEM5W1PNMBK52 | 340100101B | DCM17W5S1AONNMBK52 | 340100101B | DBM13W3S1A9NNMBK52 |
| 340100101B | DAM3W3PNMBK52 | 340100101B | DCM21WA4S1AONNMBK52 | 340100101B | DBM17W2S1A9NNMBK52 |
| 340100101B | DAM7W2PNMBK52 | 340100101B | DCM25W3S1AONNMBK52 | 340100101B | DBM21W1S1A9NNMBK52 |
| 340100101B | DAM11W1PNMBK52 | 340100101B | DCM27W2S1AONNMBK52 | 340100101B | DCM13W6S1A9NNMBK52 |
| 340100101B | DBM5W5PNMBK52 | 340100101B | DDM24W7S1AONNMBK52 | 340100101B | DCM17W5S1A9NNMBK52 |
| 340100101B | DBM9W4PNMBK52 | 340100101B | DDM36W4S1AONNMBK52 | 340100101B | DCM21WA4S1A9NNMBK52 |
| 340100101B | DBM13W3PNMBK52 | 340100101B | DDM43W2S1AONNMBK52 | 340100101B | DCM25W3S1A9NNMBK52 |
| 340100101B | DBM17W2PNMBK52 | 340100101B | DDM47W1S1AONNMBK52 | 340100101B | DCM27W2S1A9NNMBK52 |
| 340100101B | DBM21W1PNMBK52 | 340100101B | DEM5W1P1AONNMBK52 | 340100101B | DDM24W7S1A9NNMBK52 |
| 340100101B | DCM8W8PNMBK52 | 340100101B | DAM7W2P1AONNMBK52 | 340100101B | DDM36W4S1A9NNMBK52 |
| 340100101B | DCM13W6PNMBK52 | 340100101B | DAM11W1P1AONNMBK52 | 340100101B | DDM43W2S1A9NNMBK52 |
| 340100101B | DCM17W5PNMBK52 | 340100101B | DBM9W4P1AONNMBK52 | 340100101B | DDM47W1S1A9NNMBK52 |
| 340100101B | DCM21WA4PNMBK52 | 340100101B | DBM13W3P1AONNMBK52 | 340100101B | DEM5W1P1A9NNMBK52 |
| 340100101B | DCM25W3PNMBK52 | 340100101B | DBM17W2P1AONNMBK52 | 340100101B | DAM7W2P1A9NNMBK52 |
| 340100101B | DCM27W2PNMBK52 | 340100101B | DBM21W1P1AONNMBK52 | 340100101B | DAM11W1P1A9NNMBK52 |
| 340100101B | DDM24W7PNMBK52 | 340100101B | DCM13W6P1AONNMBK52 | 340100101B | DBM9W4P1A9NNMBK52 |
| 340100101B | DDM36W4PNMBK52 | 340100101B | DCM17W5P1AONNMBK52 | 340100101B | DBM13W3P1A9NNMBK52 |
| 340100101B | DDM43W2PNMBK52 | 340100101B | DCM21WA4P1AONNMBK52 | 340100101B | DBM17W2P1A9NNMBK52 |
| 340100101B | DDM47W1PNMBK52 | 340100101B | DCM25W3P1AONNMBK52 | 340100101B | DBM21W1P1A9NNMBK52 |
| 340100101B | DEM5W1SOL3NMBK52 | 340100101B | DCM27W2P1AONNMBK52 | 340100101B | DCM13W6P1A9NNMBK52 |
| 340100101B | DAM7W2SOL3NMBK52 | 340100101B | DDM24W7P1AONNMBK52 | 340100101B | DCM17W5P1A9NNMBK52 |
| 340100101B | DAM11W1SOL3NMBK52 | 340100101B | DDM36W4P1AONNMBK52 | 340100101B | DCM21WA4P1A9NNMBK52 |
| 340100101B | DBM9W4SOL3NMBK52 | 340100101B | DDM43W2P1AONNMBK52 | 340100101B | DCM25W3P1A9NNMBK52 |
| 340100101B | DBM13W3SOL3NMBK52 | 340100101B | DDM47W1P1AONNMBK52 | 340100101B | DCM27W2P1A9NNMBK52 |
| 340100101B | DBM17W2SOL3NMBK52 | 340100101B | DEM5W1S1A7NNMBK52 | 340100101B | DDM24W7P1A9NNMBK52 |
| 340100101B | DBM21W1SOL3NMBK52 | 340100101B | DAM7W2S1A7NNMBK52 | 340100101B | DDM36W4P1A9NNMBK52 |
| 340100101B | DCM13W6SOL3NMBK52 | 340100101B | DAM11W1S1A7NNMBK52 | 340100101B | DDM43W2P1A9NNMBK52 |
| 340100101B | DCM17W5SOL3NMBK52 | 340100101B | DBM9W4S1A7NNMBK52 | 340100101B | DDM47W1P1A9NNMBK52 |
| 340100101B | DCM21WA4SOL3NMBK52 | 340100101B | DBM13W3S1A7NNMBK52 | 340100101B | DEM5W1SF179ANMBK52 |
| 340100101B | DCM25W3SOL3NMBK52 | 340100101B | DBM17W2S1A7NNMBK52 | 340100101B | DAM7W2SF179ANMBK52 |
| 340100101B | DCM27W2OL3NMBK52 | 340100101B | DBM21W1S1A7NNMBK52 | 340100101B | DAM11W1SF179ANMBK52 |
| 340100101B | DDM24W7SOL3NMBK52 | 340100101B | DCM13W6S1A7NNMBK52 | 340100101B | DBM9W4SF179ANMBK52 |
| 340100101B | DDM36W4SOL3NMBK52 | 340100101B | DCM17W5S1A7NNMBK52 | 340100101B | DBM13W3SF179ANMBK52 |
| 340100101B | DDM43W2SOL3NMBK52 | 340100101B | DCM21WA4S1A7NNMBK52 | 340100101B | DBM17W2SF179ANMBK52 |
| 340100101B | DDM47W1SOL3NMBK52 | 340100101B | DCM25W3S1A7NNMBK52 | 340100101B | DBM21W1SF179ANMBK52 |
| 340100101B | DEM5W1POL3NMBK52 | 340100101B | DCM27W2S1A7NNMBK52 | 340100101B | DCM13W6SF179ANMBK52 |
| 340100101B | DAM3W3POL3NMBK52 | 340100101B | DDM24W7S1A7NNMBK52 | 340100101B | DCM17W5SF179ANMBK52 |
| 340100101B | DAM7W2POL3NMBK52 | 340100101B | DDM36W4S1A7NNMBK52 | 340100101B | DCM21WA4SF179ANMBK52 |
| 340100101B | DAM11W1POL3NMBK52 | 340100101B | DDM43W2S1A7NNMBK52 | 340100101B | DCM25W3SF179ANMBK52 |
| 340100101B | DBM9W4POL3NMBK52 | 340100101B | DDM47W1S1A7NNMBK52 | 340100101B | DCM27W2SF179ANMBK52 |
| 340100101B | DBM13W3POL3NMBK52 | 340100101B | DEM5W1P1A7NNMBK52 | 340100101B | DDM24W7SF179ANMBK52 |

## ESA/SCC Cross Reference

| ESA-SCC Part Number | ITT Cannon Part Number |
|---|---|
| 340100101B | DDM36W4SF179ANMB DDM36W4SF179ANMBK52 |
| 340100101B | DDM43W2SF179ANMB DDM43W2SF179ANMBK52 |
| 340100101B | DDM47W1SF179ANMB DDM47W1SF179ANMBK52 |
| 340100101B | DEM5W1PF179ANMB DEM5W1PF179ANMBK52 |
| 340100101B | DAM7W2PF179ANMB DAM7W2PF179ANMBK52 |
| 340100101B | DAM11W1PF179ANMB DAM11W1PF179ANMBK52 |
| 340100101B | DBM9W4PF179ANMB DBM9W4PF179ANMBK52 |
| 340100101B | DBM13W3PF179ANMB DBM13W3PF179ANMBK52 |
| 340100101B | DBM17W2PF179ANMB DBM17W2PF179ANMBK52 |
| 340100101B | DBM21W1PF179ANMB DBM21W1PF179ANMBK52 |
| 340100101B | DCM13W6PF179ANMB DCM13W6PF179ANMBK52 |
| 340100101B | DCM17W5PF179ANMB DCM17W5PF179ANMBK52 |
| 340100101B | DCM21WA4PF179ANMB DCM21WA4PF179ANMBK52 |
| 340100101B | DCM25W3PF179ANMB DCM25W3PF179ANMBK52 |
| 340100101B | DCM27W2PF179ANMB DCM27W2PF179ANMBK52 |
| 340100101B | DDM24W7PF179ANMB DDM24W7PF179ANMBK52 |
| 340100101B | DDM36W4PF179ANMB DDM36W4PF179ANMBK52 |
| 340100101B | DDM43W2PF179ANMB DDM43W2PF179ANMBK52 |
| 340100101B | DDM47W1PF179ANMB DDM47W1PF179ANMBK52 |
| 340100101B | DEM9SNMB DEM9SNMBK52 |
| 340100101B | DAM15SNMB DAM15SNMBK52 |
| 340100101B | DBM25SNMB DBM25SNMBK52 |
| 340100101B | DCM37SNMB DCM37SNMBK52 |
| 340100101B | DDM50SNMB DDM50SNMBK52 |
| 340100101B | DEM9PNMB DEM9PNMBK52 |
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| 340100101B | DCM37PNMB DCM37PNMBK52 |
| 340100101B | DDM50PNMB DDM50PNMBK52 |
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| 340100101B | DAM15SOL3NMB DAM15SOL3NMBK52 |
| 340100101B | DBM25SOL3NMB DBM25SOL3NMBK52 |
| 340100101B | DCM37SOL3NMB DCM37SOL3NMBK52 |
| 340100101B | DDM50SOL3NMB DDM50SOL3NMBK52 |
| 340100101B | DEM9POL3NMB DEM9POL3NMBK52 |
| 340100101B | DAM15POL3NMB DAM15POL3NMBK52 |
| 340100101B | DBM25POL3NMB DBM25POL3NMBK52 |
| 340100101B | DCM37POL3NMB DCM37POL3NMBK52 |
| 340100101B | DDM50POL3NMB DDM50POL3NMBK52 |
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| 340100101B | DDM50S1AONNMB DDM50S1AONNMBK52 |
| 340100101B | DEM9P1AONNMB DEM9P1AONNMBK52 |
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| 340100101B | DEM9S1A7NNMB DEM9S1A7NNMBK52 |
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| 340100101B | DBM25S1A7NNMB DBM25S1A7NNMBK52 |
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| 340100101B | DCM37P1A7NNMB DCM37P1A7NNMBK52 |
| 340100101B | DDM50P1A7NNMB DDM50P1A7NNMBK52 |
| 340100101B | DEM9S1A9NNMB DEM9S1A9NNMBK52 |

| ESA-SCC Part Number | ITT Cannon Part Number |
|---|---|
| 340100415B | DM115740-13 |
| 340100419B | DM115740-12 |
| 340100412B | DM115742-15 |
| 340100416B | DM115742-14 |
| 340100420B | DM115742-13 |
| 340100413B | DM115741-7 |
| 340100417B | DM115741-8 |
| 340100414B | DM115743-20 |
| 340100418B | DM115743-22 |
| 340102207B | DE-59-20 |
| 340102208B | DE-60-20 |
| 340102209B | DA-59-20 |
| 340102210B | DA-60-20 |
| 340102211B | DB-59-20 |
| 340102212B | DB-60-20 |
| 340102213B | DC-59-20 |
| 340102214B | DC-60-20 |
| 340102215B | DD-59-20 |
| 340102216B | DD-60-20 |
| 340102201B | D20418-52 |
| 340102206B | D115418-70 |
| 340102258B | D20418-101 |
| 340102202B | D20419-74 |
| 340102203B | D20419-48 |
| 340102204B | D20420-67 |
| 340102205B | D20420-49 |
| 340102244B | D20419-73 |
| 340102245B | D20419-84 |
| 340102246B | D20420-63 |
| 340102247B | D20420-88 |
| 340102225B | DA19678-167 |
| 340102226B | DB19678-168 |
| 340102227B | DC19678-138 |
| 340102228B | DD19678-161 |
| 340102239B | DE19977-47 |
| 340102240B | DA19977-40 |
| 340102241B | DB19977-43 |
| 340102242B | DC19977-45 |
| 340102243B | DD19977-44 |
| 340102234B | DE24657-16 |
| 340102235B | DA24658-15 |
| 340102236B | DB24659-15 |
| 340102237B | DC24660-16 |
| 340102238B | DD24661-13 |
| 340102229B | DE115386-101A |
| 340102230B | DA115386-104A |
| 340102231B | DB115386-102A |
| 340102232B | DC115386-100A |
| 340102233B | DD115386-103A |
| 340100501B | 030-8882-002 |
| 340100502B | 031-8944-000 |
| 340100503B | 030-8848-020 |
| 340100504B | 031-8787-020 |
| 340100505B | 330-8782-001 |
| 340100506B | 031-8843-001 |
| 340100507B | 330-8944-000 |
| 340100508B | 031-8902-000 |

## Panel Mounting

Figure 1A

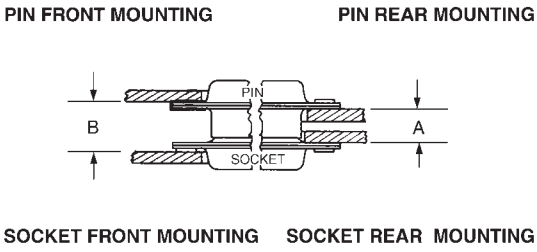



Figure 1B

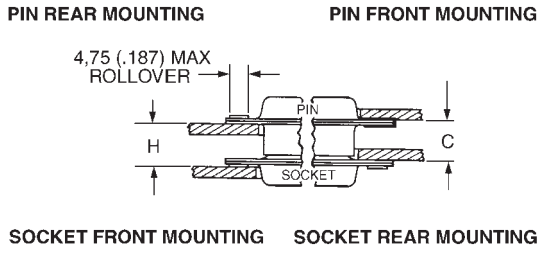



Figure 2

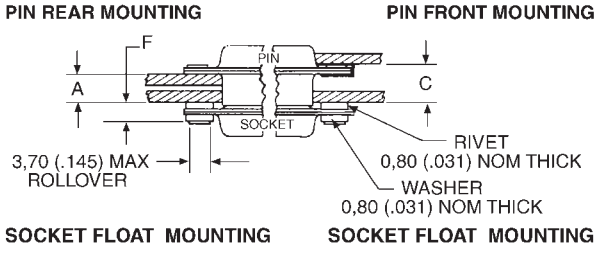
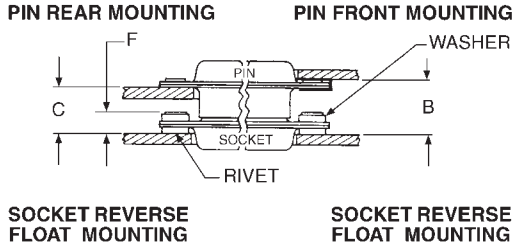



Figure 3



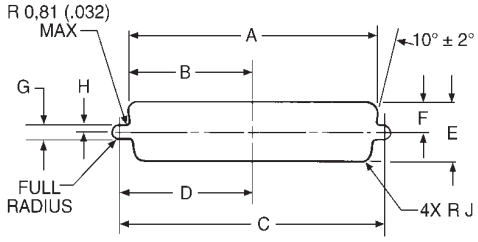

| Figure Number | Combination of Mated Connectors | | | A + 0,76 (.030) | B + 0,76 (.030) | C + 0,76 (.030) | F ± 0,25 (.010) | H + 0,76 (.030) |
|---|---|---|---|---|---|---|---|---|
| | Size | Pin (See Note Below) | Socket | | | | | |
| 1A, 1B | A, E | Standard | Standard | 6,35 (.250) | 8,63 (.340) | 7,49 (.295) | — | 7,49 (.295) |
| 1A, 1B | B, C, D | Standard | Standard | 6,04 (.238) | 8,71 (.343) | 7,56 (.298) | — | 7,18 (.283) |
| 2 | A, E | Standard | Float Mount | 5,53 (.218) | — | 6,68 (.263) | 3,04 (.120) | — |
| 2 | B, C, D | Standard | Float Mount | 5,23 (.206) | — | 6,75 (.266) | 3,04 (.120) | — |
| 2 | A, E | Float Mount | Standard | 5,53 (.218) | — | 6,68 (.263) | 3,04 (.120) | — |
| 2 | B, C, D | Float Mount | Standard | 5,23 (.206) | — | 6,37 (.251) | 3,30 (.130) | — |
| 3 | A, E | Standard | Reverse Float Mount | — | 9,09 (.358) | 7,95 (.313) | 3,04 (.120) | — |
| 3 | B, C, D | Standard | Reverse Float Mount | — | 9,16 (.361) | 7,64 (.301) | 3,04 (.120) | — |
| 3 | A, E | Reverse Float Mount | Standard | — | 9,09 (.358) | 7,95 (.313) | 3,04 (.120) | — |
| 3 | B, C, D | Reverse Float Mount | Standard | — | 9,01 (.355) | 7,87 (.310) | 3,30 (.130) | — |

Notes:
1. A, B, C and H are dimensions between panels and represent the recommended limit to be used in the design of the connector mounting method.
2. It is recommended that only one assembly, either pin or socket, be float mounted.
3. Standard pin assemblies contained 0,38 (.015) thick front shells on E and A sizes; 0,61 (.024) thick front shells on B, C, and D sizes.
4. Standard connectors accommodate a #4 screw. Float mount connectors accommodate a #2 screw.

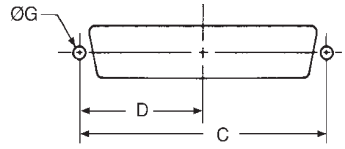
Dimensions shown in mm
Specifications and dimensions subject to change

## Panel Cutouts

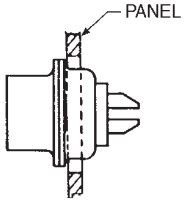
Standard Cutout



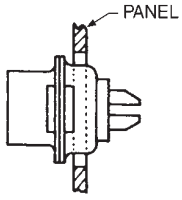

Rear Mounting Cutout (Optional)




Front Panel Mounting

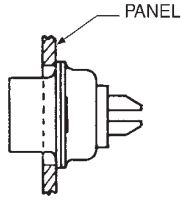



Standard Shell

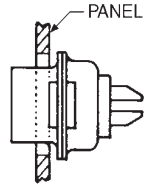



Dual Float Mount Shell

Rear Panel Mounting




Standard Shell




Dual Float Mount Shell

### Standard Shell

| Shell Size | Mounting Method | A ± 0,13 (.005) | B ± 0,13 (.005) | C ± 0,13 (.005) | D ± 0,13 (.005) | E ± 0,13 (.005) | F ± 0,13 (.005) | G ± 0,05 (.002) | H ± 0,05 (.002) | J ± 0,05 (.002) |
|---|---|---|---|---|---|---|---|---|---|---|
| DE | Front | 22,19 (.874) | 11,09 (.437) | 24,99 (.984) | 12,49 (.492) | 13,03 (.513) | 6,52 (.257) | 3,04 (.120) | 1,52 (.060) | 2,10 (.083) |
| | Rear | 20,47 (.806) | 10,23 (.403) | 24,99 (.984) | 12,49 (.492) | 11,40 (.449) | 5,71 (.225) | 3,04 (.120) | 1,52 (.060) | 3,35 (.132) |
| DA | Front | 30,53 (1.202) | 15,26 (.601) | 33,32 (1.312) | 16,66 (.656) | 13,03 (.513) | 6,52 (.257) | 3,04 (.120) | 1,52 (.060) | 2,10 (.083) |
| | Rear | 28,80 (1.134) | 14,40 (.567) | 33,32 (1.312) | 16,66 (.656) | 11,40 (.449) | 5,71 (.225) | 3,04 (.120) | 1,52 (.060) | 3,35 (.132) |
| DB | Front | 44,27 (1.743) | 22,14 (.872) | 47,04 (1.852) | 23,52 (.926) | 13,03 (.513) | 6,52 (.257) | 3,04 (.120) | 1,52 (.060) | 2,10 (.083) |
| | Rear | 42,51 (1.674) | 21,25 (.837) | 47,04 (1.852) | 23,52 (.926) | 11,40 (.449) | 5,71 (.225) | 3,04 (.120) | 1,52 (.060) | 3,35 (.132) |
| DC | Front | 60,73 (2.391) | 30,37 (1.196) | 63,50 (2.500) | 31,75 (1.250) | 13,03 (.513) | 6,52 (.257) | 3,04 (.120) | 1,52 (.060) | 2,10 (.083) |
| | Rear | 59,08 (2.326) | 29,54 (1.163) | 63,50 (2.500) | 31,75 (1.250) | 11,40 (.449) | 5,71 (.225) | 3,04 (.120) | 1,52 (.060) | 3,35 (.132) |
| DD | Front | 58,34 (2.297) | 29,18 (1.149) | 61,11 (2.406) | 30,55 (1.203) | 15,82 (.623) | 7,92 (.312) | 3,04 (.120) | 1,52 (.060) | 2,10 (.083) |
| | Rear | 56,33 (2.218) | 28,16 (1.109) | 61,11 (2.406) | 30,55 (1.203) | 14,09 (.555) | 7,06 (.278) | 3,04 (.120) | 1,52 (.060) | 3,35 (.132) |

### Dual Float Mount Shell

| Shell Size | Mounting Method | A ± 0,13 (.005) | B ± 0,13 (.005) | C ± 0,13 (.005) | D ± 0,13 (.005) | E ± 0,13 (.005) | F ± 0,13 (.005) | G ± 0,05 (.002) | H ± 0,05 (.002) | J ± 0,05 (.002) |
|---|---|---|---|---|---|---|---|---|---|---|
| DE | Front | 23,01 (.906) | 11,50 (.453) | 24,99 (.984) | 12,49 (.492) | 13,84 (.545) | 6,93 (.273) | 2,23 (.088) | 1,11 (.044) | 2,10 (.083) |
| | Rear | 21,28 (.838) | 10,64 (.419) | 24,99 (.984) | 12,49 (.492) | 12,21 (.481) | 6,12 (.241) | 2,23 (.088) | 1,11 (.044) | 3,35 (.132) |
| DA | Front | 31,34 (1.234) | 15,67 (.617) | 33,32 (1.312) | 16,66 (.656) | 13,84 (.545) | 6,93 (.273) | 2,23 (.088) | 1,11 (.044) | 2,10 (.083) |
| | Rear | 29,61 (1.166) | 14,80 (.583) | 33,32 (1.312) | 16,66 (.656) | 12,21 (.481) | 6,12 (.241) | 2,23 (.088) | 1,11 (.044) | 3,35 (.132) |
| DB | Front | 45,08 (1.775) | 22,55 (.888) | 47,04 (1.852) | 23,52 (.926) | 13,84 (.545) | 6,93 (.273) | 2,23 (.088) | 1,11 (.044) | 2,10 (.083) |
| | Rear | 43,33 (1.706) | 21,66 (.853) | 47,04 (1.852) | 23,52 (.926) | 12,21 (.481) | 6,12 (.241) | 2,23 (.088) | 1,11 (.044) | 3,35 (.132) |
| DC | Front | 61,54 (2.423) | 30,78 (1.212) | 63,50 (2.500) | 31,75 (1.250) | 13,84 (.545) | 6,93 (.273) | 2,23 (.088) | 1,11 (.044) | 2,10 (.083) |
| | Rear | 59,79 (2.354) | 29,89 (1.177) | 63,50 (2.500) | 31,75 (1.250) | 12,21 (.481) | 6,12 (.241) | 2,23 (.088) | 1,11 (.044) | 3,35 (.132) |
| DD | Front | 59,15 (2.329) | 29,59 (1.165) | 61,11 (2.406) | 30,55 (1.203) | 16,63 (.655) | 8,33 (.328) | 2,23 (.088) | 1,11 (.044) | 2,10 (.083) |
| | Rear | 57,15 (2.250) | 28,57 (1.125) | 61,11 (2.406) | 30,55 (1.203) | 14,90 (.587) | 7,46 (.294) | 2,23 (.088) | 1,11 (.044) | 3,35 (.132) |

## Plug Contact Cavity Arrangements

**Face View Pin Insert**



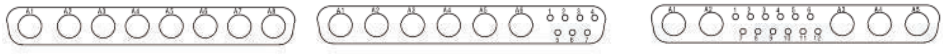
| Shell Size | E | E | E | A | A | A | A |
|---|---|---|---|---|---|---|---|
| Contact Arrangement | 2W2 | 2WK2 | 5W1 | 3W3 | 3WK3 | 7W2 | 11W1 |
| No. of Size 20 Cavities | 0#20 | 0#20 | 4#20 | 0#20 | 0#20 | 5#20 | 10#20 |
| No. of Size 8 Cavities | 2#8 | 2#8 | 1#8 | 3#8 | 3#8 | 2#8 | 1#8 |



| Shell Size | B | B | B |
|---|---|---|---|
| Contact Arrangement | 5W54 | 9W4 | 13W3 |
| No. of Size 20 Cavities | 0#20 | 5#20 | 10#20 |
| No. of Size 8 Cavities | 5#8 | 4#8 | 3#8 |



| Shell Size | B | B |
|---|---|---|
| Contact Arrangement | 17W2 | 21W1 |
| No. of Size 20 Cavities | 15#20 | 20#20 |
| No. of Size 8 Cavities | 2#8 | 1#8 |



| Shell Size | C | C | C |
|---|---|---|---|
| Contact Arrangement | 8W8 | 13W6 | 17W5 |
| No. of Size 20 Cavities | 0#20 | 7#20 | 12#20 |
| No. of Size 8 Cavities | 8#8 | 6#8 | 5#8 |



| Shell Size | C | C | C |
|---|---|---|---|
| Contact Arrangement | 21WA4 | 25W3 | 27W2 |
| No. of Size 20 Cavities | 17#20 | 22#20 | 25#20 |
| No. of Size 8 Cavities | 4#8 | 3#8 | 2#8 |



| Shell Size | D | D |
|---|---|---|
| Contact Arrangement | 24W7 | 36W4 |
| No. of Size 20 Cavities | 17#20 | 32#20 |
| No. of Size 8 Cavities | 7#8 | 4#8 |



| Shell Size | D | D |
|---|---|---|
| Contact Arrangement | 43W2 | 47W1 |
| No. of Size 20 Cavities | 41#20 | 46#20 |
| No. of Size 8 Cavities | 2#8 | 1#8 |

Dimensions shown in mm
Specifications and dimensions subject to change

## Receptacle Contact Cavity Arrangements

**Face View Socket Insert**



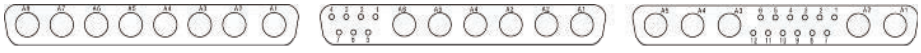
| Shell Size | E | E | E | A | A | A | A |
|---|---|---|---|---|---|---|---|
| Contact Arrangement | 2W2 | 2WK2 | 5W1 | 3W3 | 3WK3 | 7W2 | 11W1 |
| No. of Size 20 Cavities | 0#20 | 0#20 | 4#20 | 0#20 | 0#20 | 5#20 | 10#20 |
| No. of Size 8 Cavities | 2#8 | 2#8 | 1#8 | 3#8 | 3#8 | 2#8 | 1#8 |



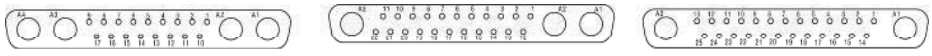
| Shell Size | B | B | B |
|---|---|---|---|
| Contact Arrangement | 5W5 | 9W4 | 13W3 |
| No. of Size 20 Cavities | 0#20 | 5#20 | 10#20 |
| No. of Size 8 Cavities | 5#8 | 4#8 | 3#8 |



| Shell Size | B | B |
|---|---|---|
| Contact Arrangement | 17W2 | 21W1 |
| No. of Size 20 Cavities | 15#20 | 20#20 |
| No. of Size 8 Cavities | 2#8 | 1#8 |



| Shell Size | C | C | C |
|---|---|---|---|
| Contact Arrangement | 8W8 | 13W6 | 17W5 |
| No. of Size 20 Cavities | 0#20 | 7#20 | 12#20 |
| No. of Size 8 Cavities | 8#8 | 6#8 | 5#8 |



| Shell Size | C | C | C |
|---|---|---|---|
| Contact Arrangement | 21WA4 | 25W3 | 27W2 |
| No. of Size 20 Cavities | 17#20 | 22#20 | 25#20 |
| No. of Size 8 Cavities | 4#8 | 3#8 | 2#8 |



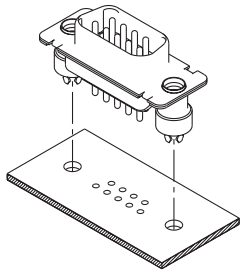
| Shell Size | D | D |
|---|---|---|
| Contact Arrangement | 24W7 | 36W4 |
| No. of Size 20 Cavities | 17#20 | 32#20 |
| No. of Size 8 Cavities | 7#8 | 4#8 |



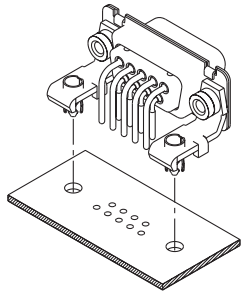
| Shell Size | D | D |
|---|---|---|
| Contact Arrangement | 43W2 | 47W1 |
| No. of Size 20 Cavities | 41#20 | 46#20 |
| No. of Size 8 Cavities | 2#8 | 1#8 |

## Pushfit/Boardlock — Standard

Straight (Z)

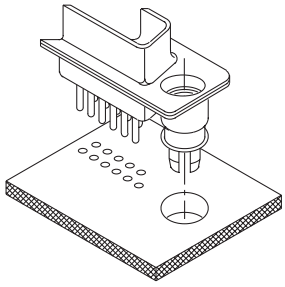


90˚(C)

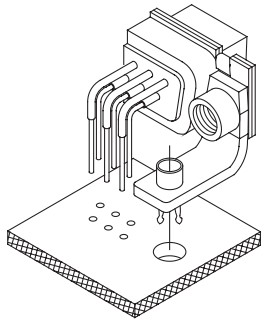


## Pushfit/Boardlock — European

Straight (-146) 3.0 mm dia
Straight (-161) 3.2 mm dia.

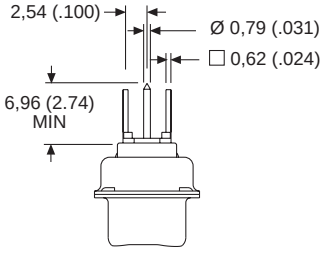


90˚(-146) 3.0 mm dia.
90˚(-162) 3.2 mm dia.

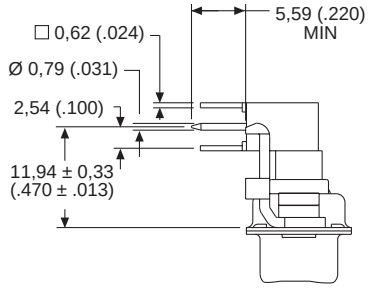


## Alternate 50 Ohm Coaxial Configuration

Straight (X)




90˚ (X)

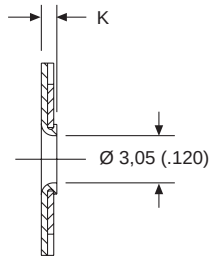



Dimensions shown in mm
Specifications and dimensions subject to change

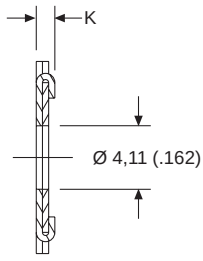
www.ittcannon.com

## Hardware Views (Standard)

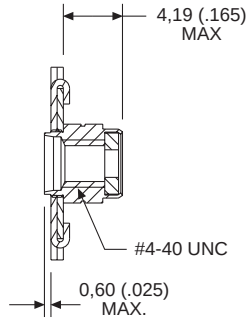
Through Hole (Eyelet)




Tab Shells (K)




Clinch Nut (E)



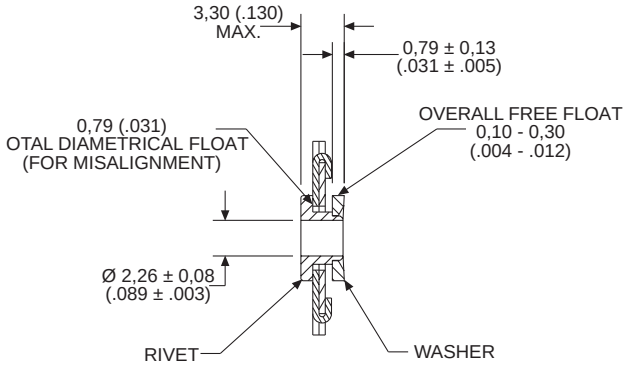

### Dimensions — Plug

| Shell Size | K ± 0,317 (.0125) | K ± 0,25 (.010) |
|---|---|---|
| DE | 1,206 (.0475) | — |
| DA | 1,206 (.0475) | — |
| DB | — | 1,52 (.060) |
| DC | — | 1,52 (.060) |
| DD | — | 1,52 (.060) |

### Dimensions — Receptacle

| Shell Size | K ± 0,318 (.0125) |
|---|---|
| DE | 1,206 (.0475) |
| DA | 1,206 (.0475) |
| DB | 1,206 (.0475) |
| DC | 1,206 (.0475) |
| DD | 1,206 (.0475) |

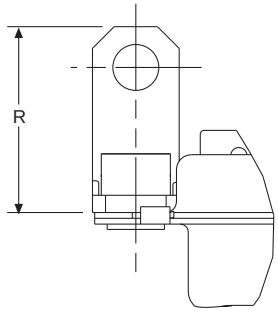
Dual Float Mount (Y)



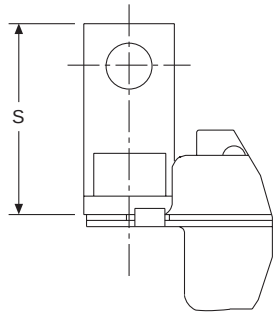

## Alternate Bracket Configuration

Supplied with connectors without boardlocks.

Standard Footprint (P)




European Footprint (P)

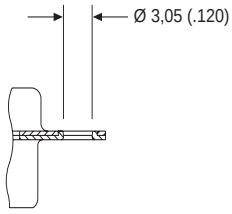



### Dimensions

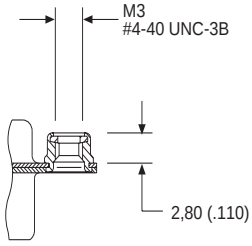
| Shell Size | R ± 0,25 (.010) | S ± 0,25 (.010) |
|---|---|---|
| DE, DA, DB, DC | 11,61 (.457) | 12,78 (.503) |
| DD | 12,78 (.503) | 13,95 (.549) |

## Hardware Views (European)

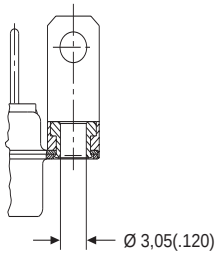
Through Hole



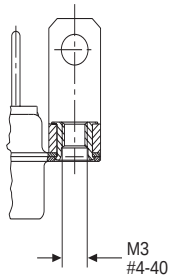

Clinch Nut (X/E)



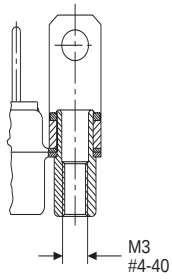

Plastic Bracket with Bushing (1A5N)



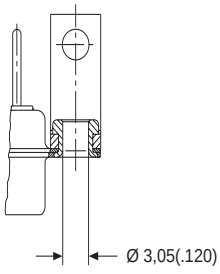

Plastic Bracket with Captive Nut (1ATN/1AWN) (M3/4-40)
Above with grounding strap (1AUN/1AVN) (M3/4-40)



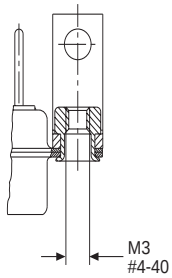

Plastic Bracket with Post (1APN/1A6N)(M3/4-40)



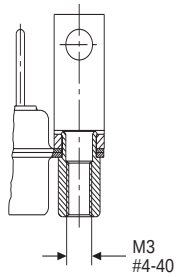

Metal Bracket with Bushing (1AFN)



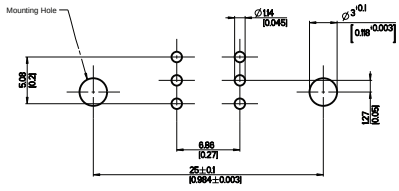

Metal Bracket with Captive Nut (1A9N/1A7N) (M3/4-40)

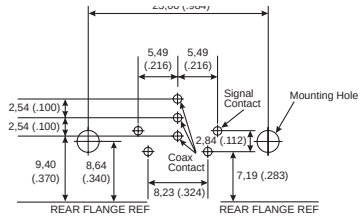


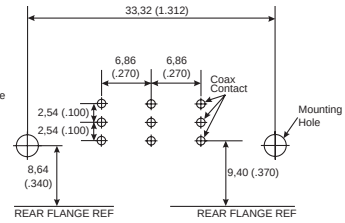

Metal Bracket with Post (1AHN/1A8N) (M3/4-40)



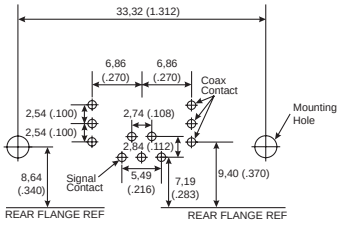

Dimensions shown in mm
Specifications and dimensions subject to change

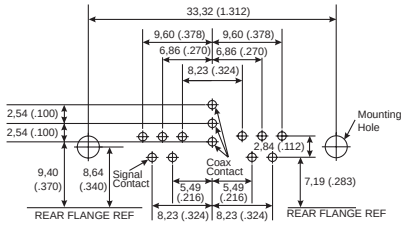


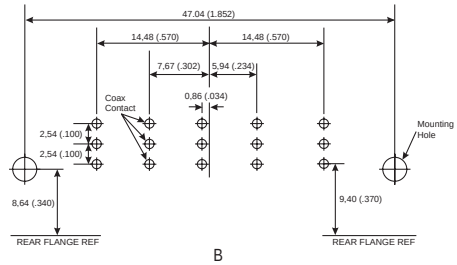



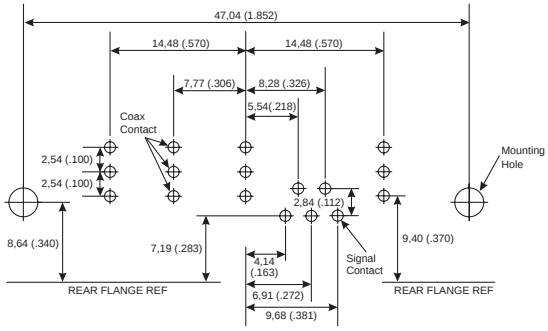

| | E | E | A |
|---|---|---|---|
| Shell Size | 2W2/2WK2 | 5W1 | 3W3/3WK3 |
| Contact Arrangement | 0 #20 | 4 #20 | 0 #20 |
| No. of Size 20 Cavities | 2 #8 | 1 #8 | 3 #8 |
| No. of Size 8 Cavities | | | |

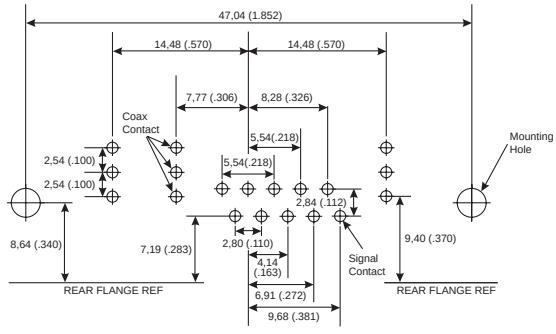


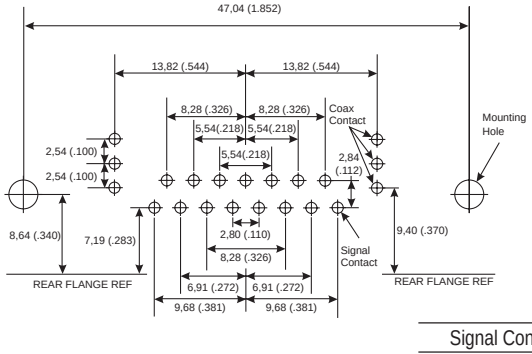



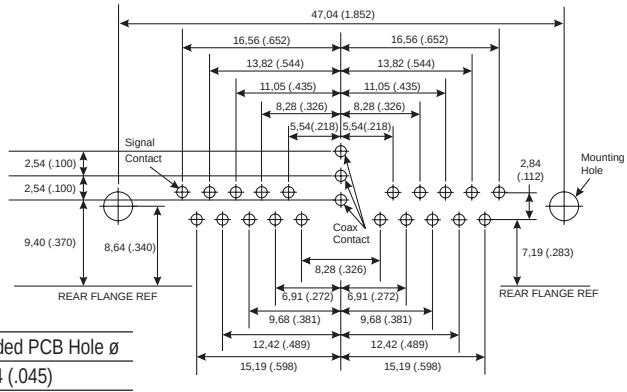

| | A | A | B |
|---|---|---|---|
| Shell Size | 7W2 | 11W1 | 5W5 |
| Contact Arrangement | 5 #20 | 10 #20 | 0 #20 |
| No. of Size 20 Cavities | 2 #8 | 1 #8 | 5 #8 |
| No. of Size 8 Cavities | | | |




| | B | B |
|---|---|---|
| Shell Size | 9W4 | 13W3 |
| Contact Arrangement | 5 #20 | 10 #20 |
| No. of Size 20 Cavities | 4 #8 | 3 #8 |
| No. of Size 8 Cavities | | |




| | B | B |
|---|---|---|
| Shell Size | 17W2 | 21W1 |
| Contact Arrangement | 15 #20 | 20 #20 |
| No. of Size 20 Cavities | 2 #8 | 1 #8 |
| No. of Size 8 Cavities | | |

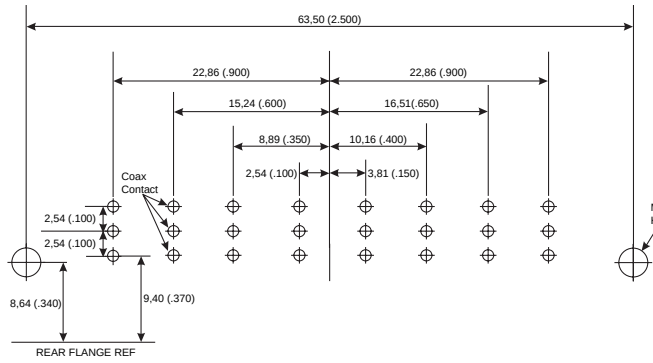
| Signal Contact ø | Recommended PCB Hole ø |
|---|---|
| 0,76 (.030) | 1,14 (.045) |

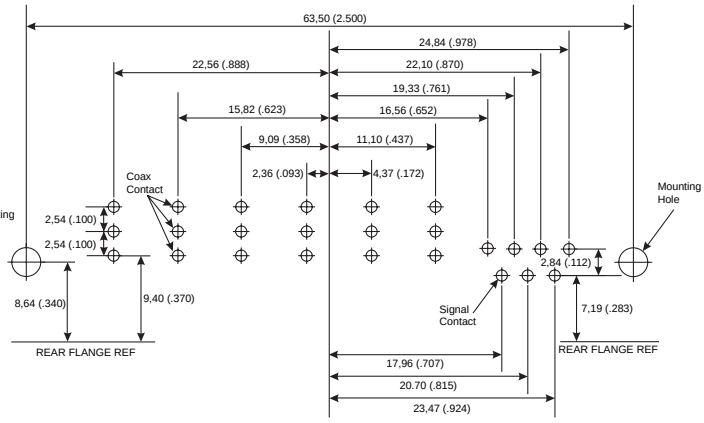
| Mounting Type | Recommended PCB Hole ø |
|---|---|
| Without Boardlock | 3,05 (.120) |
| With Boardlock | 3,10 (.122) |

| Size 8 Contact Type | Recommended PCB Hole ø |
|---|---|
| Coaxial (C or X) | 1,14 (.045) |

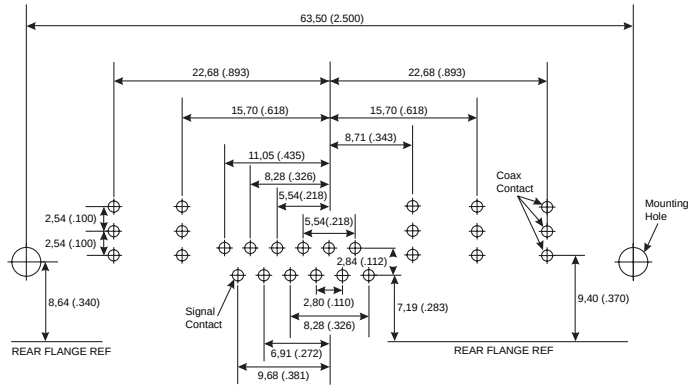
Dimensions shown in mm

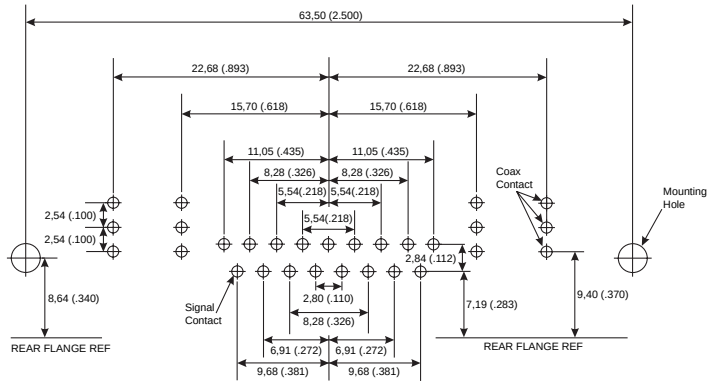
Specifications and dimensions subject to change



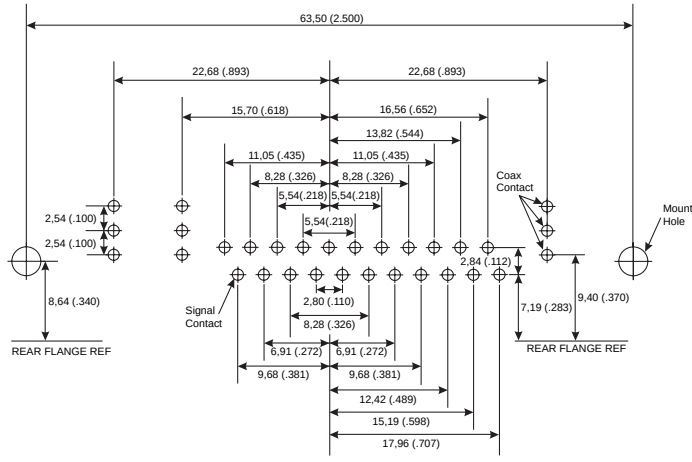



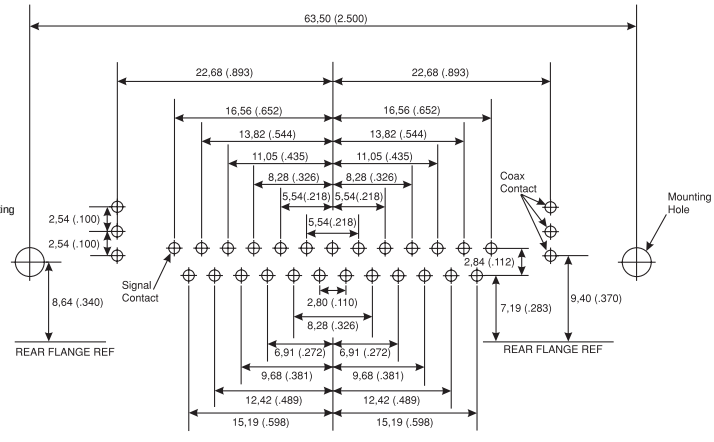

| | | |
|---|---|---|
| Shell Size | C | C |
| Contact Arrangement | 8W8 | 13W6 |
| No. of Size 20 Cavities | 0 #20 | 7 #20 |
| No. of Size 8 Cavities | 8 #8 | 6 #8 |




| | | |
|---|---|---|
| Shell Size | C | C |
| Contact Arrangement | 17W5 | 21WA4 |
| No. of Size 20 Cavities | 12 #20 | 17 #20 |
| No. of Size 8 Cavities | 5 #8 | 4 #8 |




| | | |
|---|---|---|
| Shell Size | C | C |
| Contact Arrangement | 25W3 | 27W2 |
| No. of Size 20 Cavities | 22 #20 | 25 #20 |
| No. of Size 8 Cavities | 3 #8 | 2 #8 |

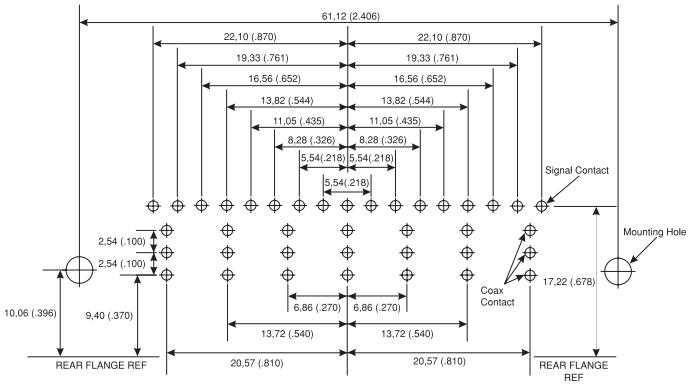
| Signal Contact ø | Recommended PCB Hole ø |
|---|---|
| 0,76 (.030) | 1,14 (.045) |

| Mounting Typ | Recommended PCB Hole ø |
|---|---|
| Without Boardlock | 3,05 (.120) |
| With Boardlock | 3,10 (.122) |

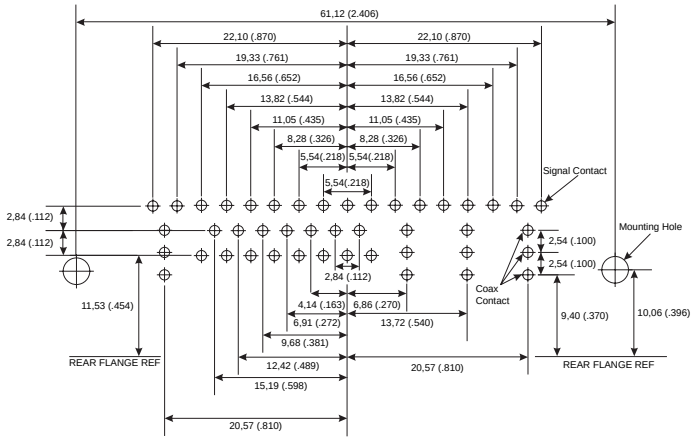
| Size 8 Contact Type | Recommended PCB Hole ø |
|---|---|
| Coaxial (C or X) | 1,14 (.045) |

Dimensions shown in mm

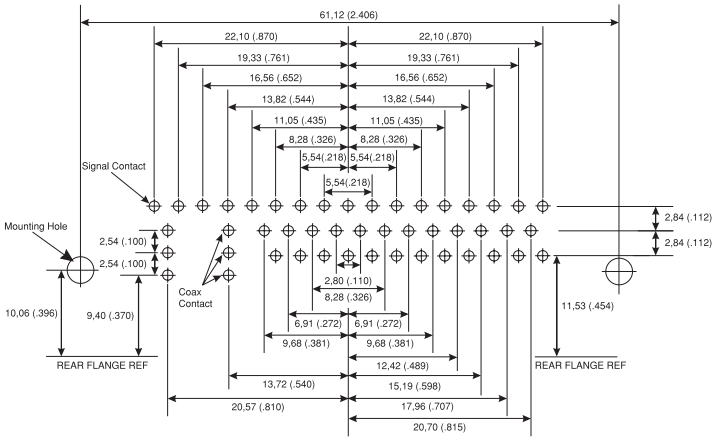
Specifications and dimensions subject to change



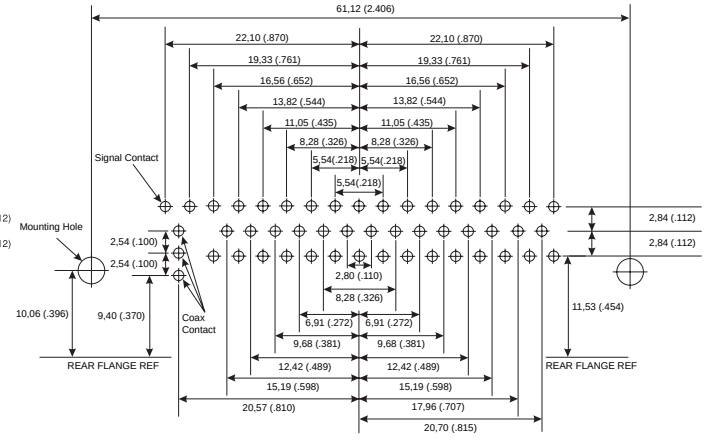

| | D |
|---|---|
| Shell Size | D |
| Contact Arrangement | 24W7 |
| No. of Size 20 Cavities | 17 #20 |
| No. of Size 8 Cavities | 7 #8 |




| | D |
|---|---|
| Shell Size | D |
| Contact Arrangement | 36W4 |
| No. of Size 20 Cavities | 32 #20 |
| No. of Size 8 Cavities | 4 #8 |




| | D |
|---|---|
| Shell Size | D |
| Contact Arrangement | 43W2 |
| No. of Size 20 Cavities | 41 #20 |
| No. of Size 8 Cavities | 2 #20 |

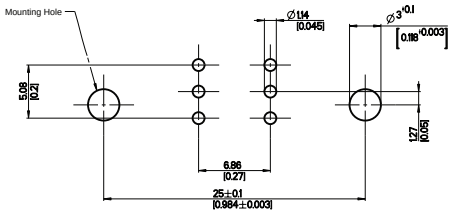



| | D |
|---|---|
| Shell Size | D |
| Contact Arrangement | 47W1 |
| No. of Size 20 Cavities | 46 #20 |
| No. of Size 8 Cavities | 1 #20 |

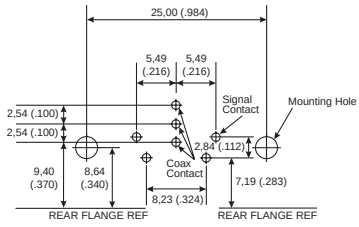
| Signal Contact ø | Recommended PCB Hole ø |
|---|---|
| 0,76 (.030) | 1,14 (.045) |

| Mounting Type | Recommended PCB Hole ø |
|---|---|
| Without Boardlock | 3,05 (.120) |
| With Boardlock | 3,10 (.122) |

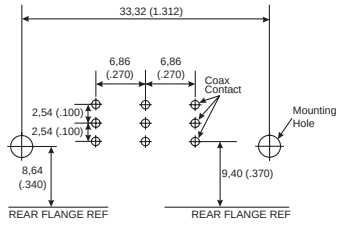
| Size 8 Contact Type | Recommended PCB Hole ø |
|---|---|
| Coaxial (C or X) | 1,14 (.045) |



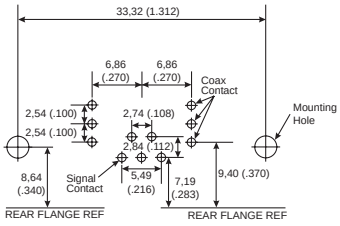

| | |
|---|---|
| Shell Size | E |
| Contact Arrangement | 2W2/2WK2 |
| No. of Size 20 Cavities | 0 #20 |
| No. of Size 8 Cavities | 2 #8 |



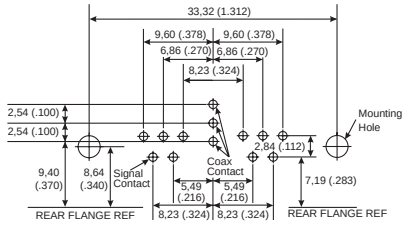

| | |
|---|---|
| Shell Size | E |
| Contact Arrangement | 5W1 |
| No. of Size 20 Cavities | 4 #20 |
| No. of Size 8 Cavities | 1 #8 |



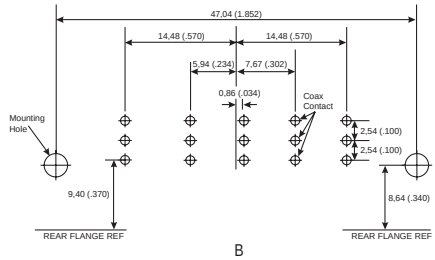

| | |
|---|---|
| Shell Size | A |
| Contact Arrangement | 3W3/3WK3 |
| No. of Size 20 Cavities | 0 #20 |
| No. of Size 8 Cavities | 3 #8 |



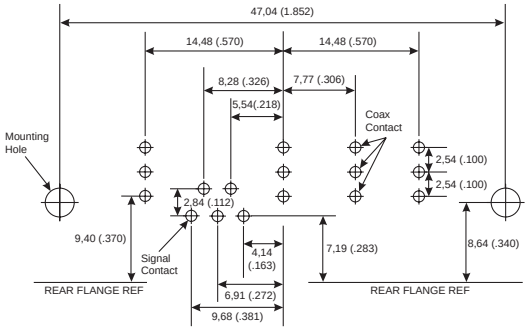

| | |
|---|---|
| Shell Size | A |
| Contact Arrangement | 7W2 |
| No. of Size 20 Cavities | 5 #20 |
| No. of Size 8 Cavities | 2 #8 |



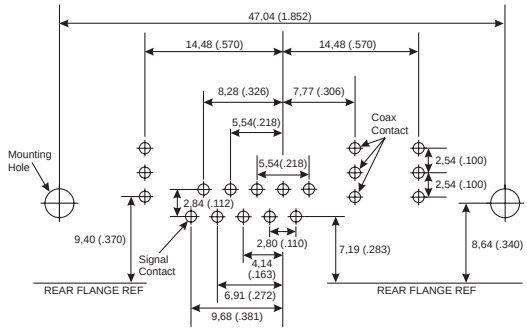

| | |
|---|---|
| Shell Size | A |
| Contact Arrangement | 11W1 |
| No. of Size 20 Cavities | 10 #20 |
| No. of Size 8 Cavities | 1 #8 |



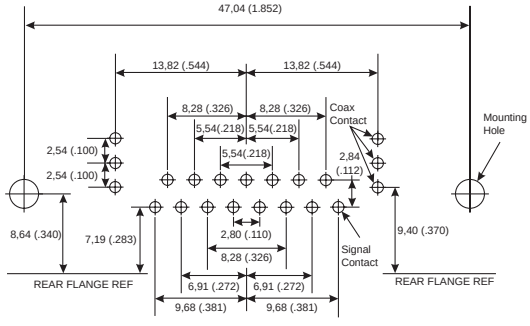

| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 5W5 |
| No. of Size 20 Cavities | 0 #20 |
| No. of Size 8 Cavities | 5 #8 |



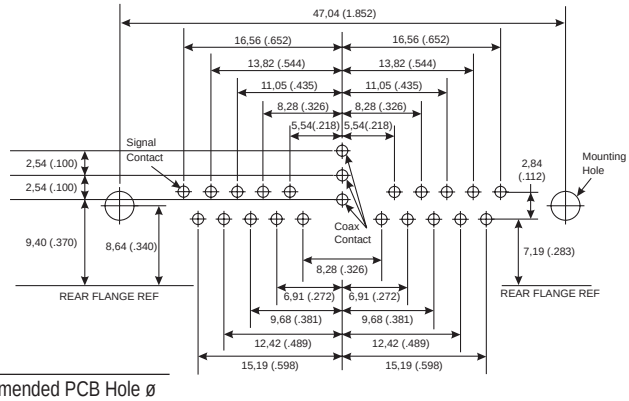

| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 9W4 |
| No. of Size 20 Cavities | 5 #20 |
| No. of Size 8 Cavities | 4 #8 |




| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 13W3 |
| No. of Size 20 Cavities | 10 #20 |
| No. of Size 8 Cavities | 3 #8 |




| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 17W2 |
| No. of Size 20 Cavities | 15 #20 |
| No. of Size 8 Cavities | 2 #8 |



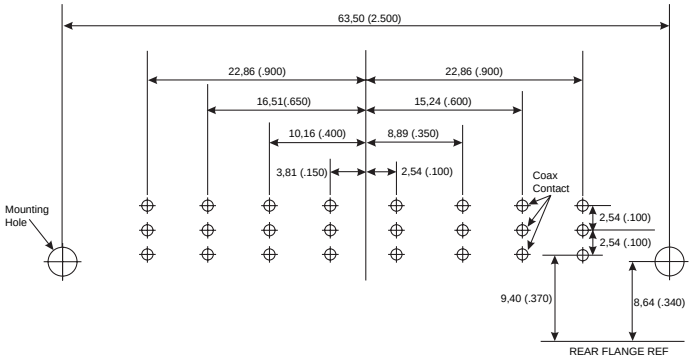

| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 21W1 |
| No. of Size 20 Cavities | 20 #20 |
| No. of Size 8 Cavities | 1 #8 |

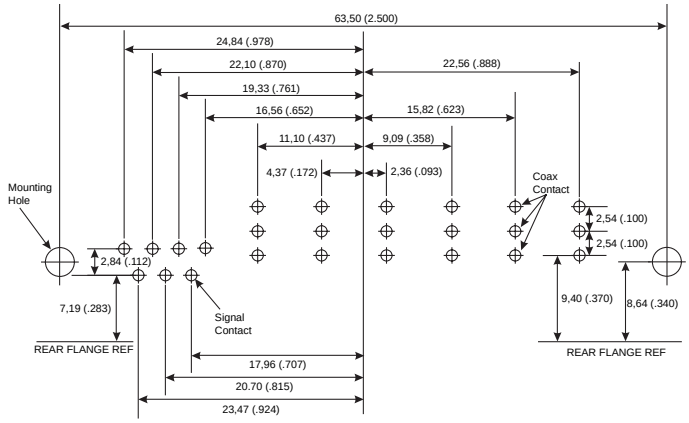
| Signal Contact ø | Recommended PCB Hole ø |
|---|---|
| 0,76 (.030) | 1,14 (.045) |

| Mounting Type | Recommended PCB Hole ø |
|---|---|
| Without Boardlock | 3,05 (.120) |
| With Boardlock | 3,10 (.122) |

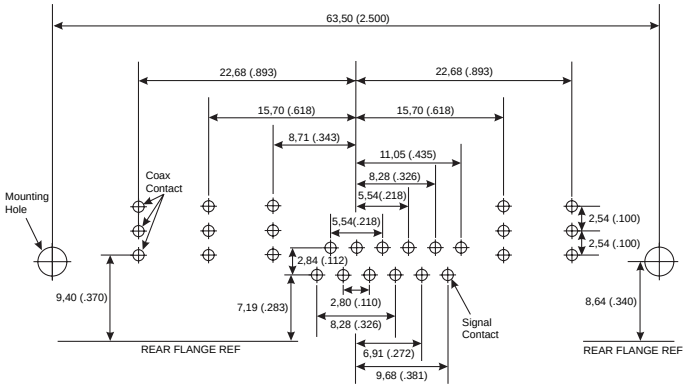
| Size 8 Contact Type | Recommended PCB Hole ø |
|---|---|
| Coaxial (C or X) | 1,14 (.045) |

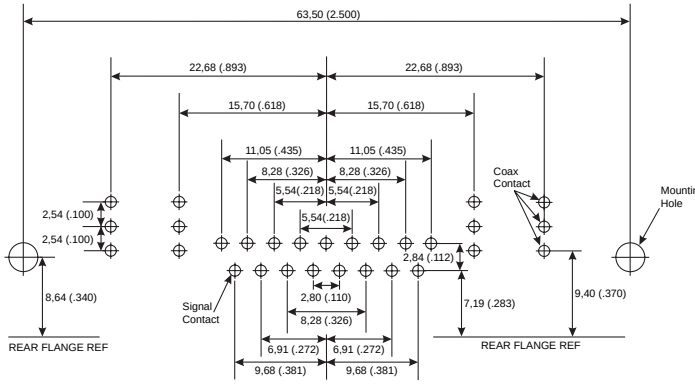
Dimensions shown in mm
Specifications and dimensions subject to change



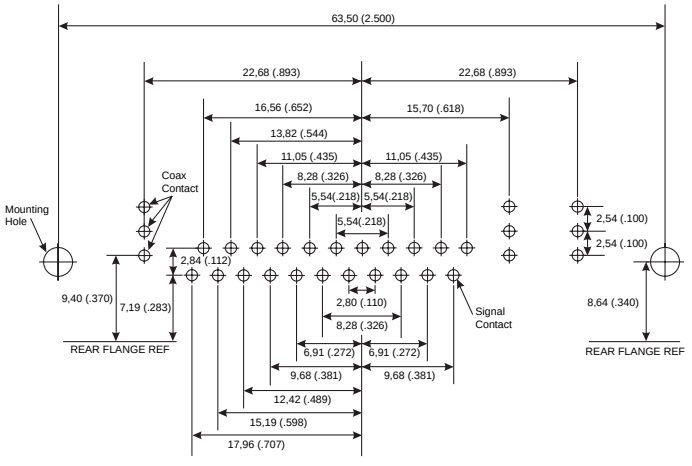



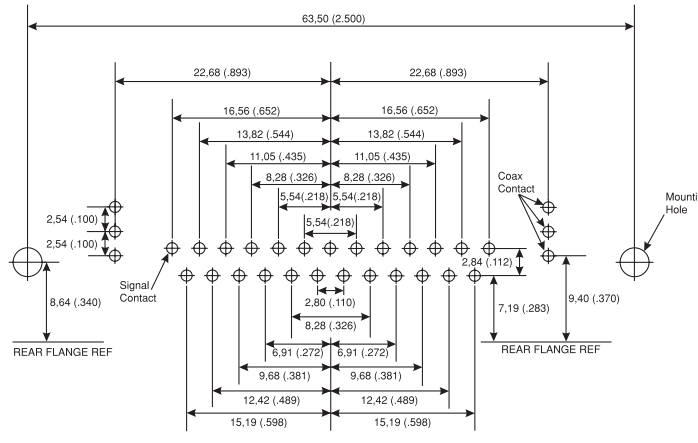

| | | |
|---|---|---|
| Shell Size | C | C |
| Contact Arrangement | 8W8 | 13W6 |
| No. of Size 20 Cavities | 0 #20 | 7 #20 |
| No. of Size 8 Cavities | 8 #8 | 6 #8 |




| | | |
|---|---|---|
| Shell Size | C | C |
| Contact Arrangement | 17W5 | 21WA4 |
| No. of Size 20 Cavities | 12 #20 | 17 #20 |
| No. of Size 8 Cavities | 5 #8 | 4 #8 |




| | | |
|---|---|---|
| Shell Size | C | C |
| Contact Arrangement | 25W3 | 27W2 |
| No. of Size 20 Cavities | 22 #20 | 25 #20 |
| No. of Size 8 Cavities | 3 #8 | 2 #8 |

| Signal Contact ø | Recommended PCB Hole ø |
|---|---|
| 0,76 (.030) | 1,14 (.045) |

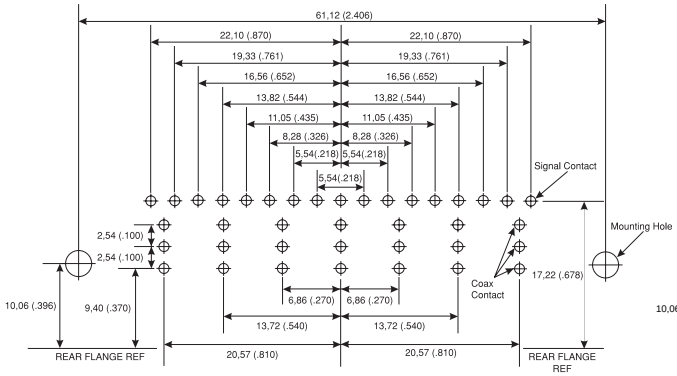
| Mounting Type | Recommended PCB Hole ø |
|---|---|
| Without Boardlock | 3,05 (.120) |
| With Boardlock | 3,10 (.122) |

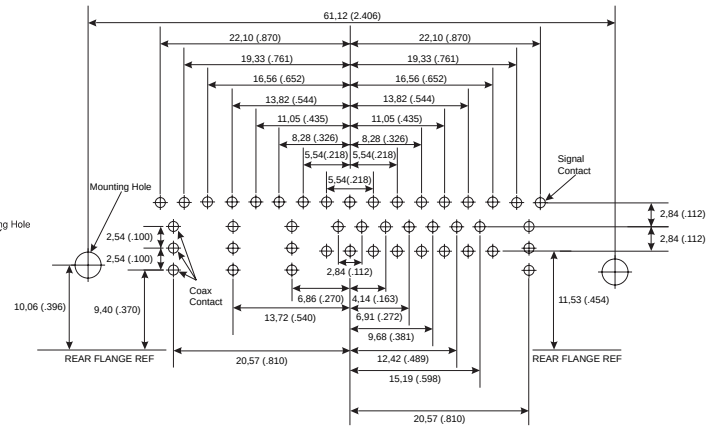
| Size 8 Contact Type | Recommended PCB Hole ø |
|---|---|
| Coaxial (C or X) | 1,14 (.045) |

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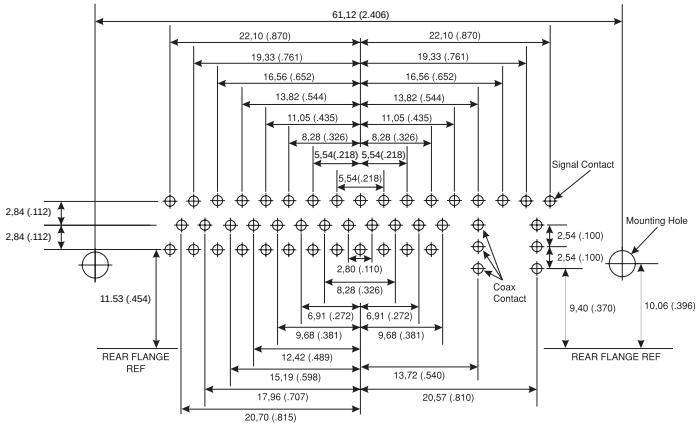
Dimensions shown in mm
Specifications and dimensions subject to change

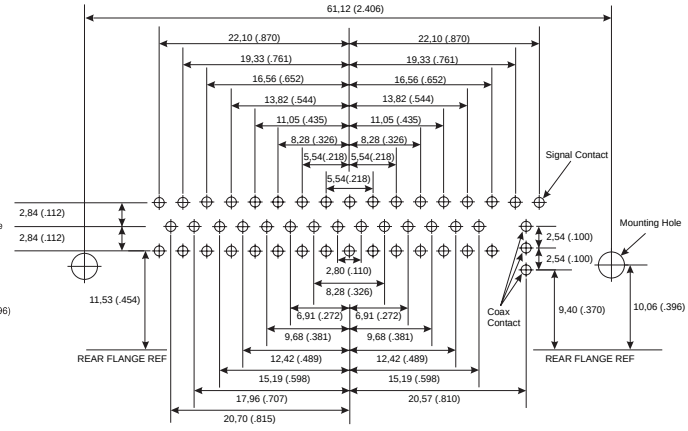
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| Shell Size | D | D |
|---|---|---|
| Contact Arrangement | 24W7 | 36W4 |
| No. of Size 20 Cavities | 17 #20 | 32 #20 |
| No. of Size 8 Cavities | 7 #8 | 4 #8 |



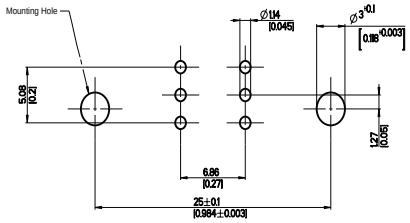

| Shell Size | D | D |
|---|---|---|
| Contact Arrangement | 43W2 | 47W1 |
| No. of Size 20 Cavities | 41 #20 | 46 #20 |
| No. of Size 8 Cavities | 2 #8 | 1 #8 |

| Signal Contact ø | Recommended PCB Hole ø |
|---|---|
| 0,76 (.030) | 1,14 (.045) |

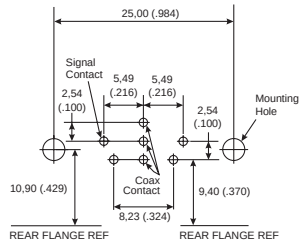
| Mounting Type | Recommended PCB Hole ø |
|---|---|
| Without Boardlock | 3,05 (.120) |
| With Boardlock | 3,10 (.122) |

| Size 8 Contact Type | Recommended PCB Hole ø |
|---|---|
| Coaxial (C or X) | 1,14 (.045) |

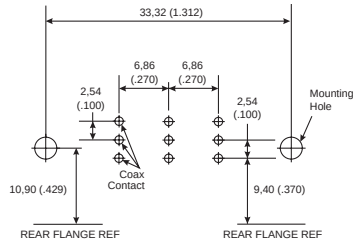
Dimensions shown in mm
Specifications and dimensions subject to change



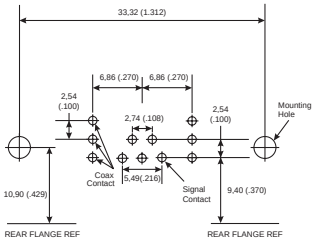

| | |
|---|---|
| Shell Size | E |
| Contact Arrangement | 2W2/2WK2 |
| No. of Size 20 Cavities | 0 #20 |
| No. of Size 8 Cavities | 2 #8 |



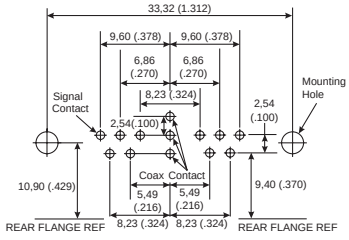

| | |
|---|---|
| Shell Size | E |
| Contact Arrangement | 5W1 |
| No. of Size 20 Cavities | 4 #20 |
| No. of Size 8 Cavities | 1 #8 |



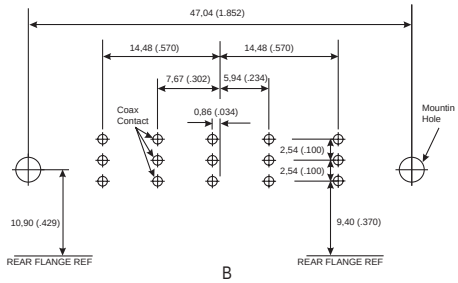

| | |
|---|---|
| Shell Size | A |
| Contact Arrangement | 3W3/3WK3 |
| No. of Size 20 Cavities | 0 #20 |
| No. of Size 8 Cavities | 3 #8 |



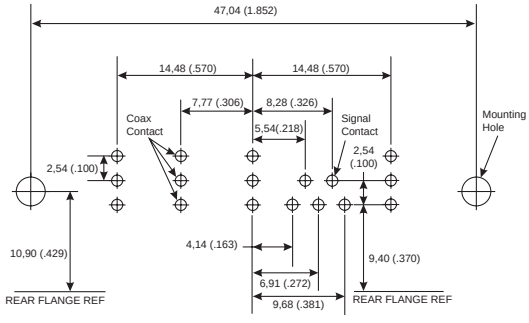

| | |
|---|---|
| Shell Size | A |
| Contact Arrangement | 7W2 |
| No. of Size 20 Cavities | 5 #20 |
| No. of Size 8 Cavities | 2 #8 |



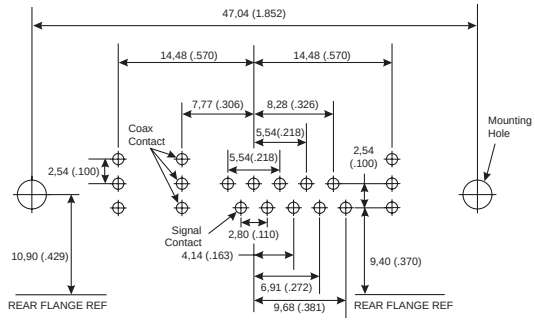

| | |
|---|---|
| Shell Size | A |
| Contact Arrangement | 11W1 |
| No. of Size 20 Cavities | 10 #20 |
| No. of Size 8 Cavities | 1 #8 |



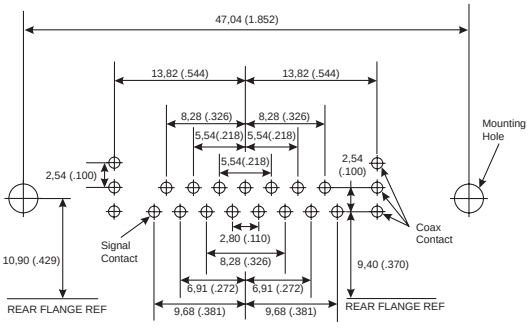

| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 5W5 |
| No. of Size 20 Cavities | 0 #20 |
| No. of Size 8 Cavities | 5 #8 |



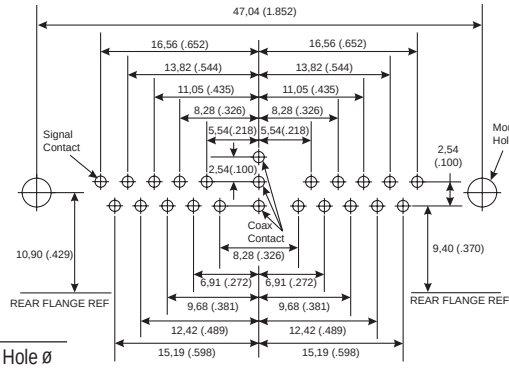

| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 9W4 |
| No. of Size 20 Cavities | 5 #20 |
| No. of Size 8 Cavities | 4 #8 |




| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 13W3 |
| No. of Size 20 Cavities | 10 #20 |
| No. of Size 8 Cavities | 3 #8 |




| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 17W2 |
| No. of Size 20 Cavities | 15 #20 |
| No. of Size 8 Cavities | 2 #8 |




| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 21W1 |
| No. of Size 20 Cavities | 20 #20 |
| No. of Size 8 Cavities | 1 #8 |

| Signal Contact ø | Recommended PCB Hole ø |
|---|---|
| 0,60 (.024) | 1,00 (.039) |

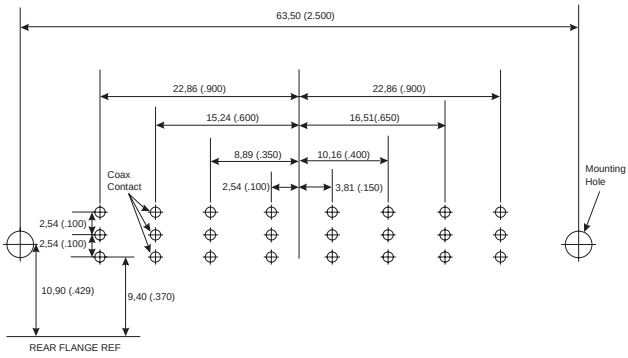
| Mounting Type | Recommended PCB Hole ø |
|---|---|
| Without Boardlock | 3,05 (.120) |
| With Boardlock | 3,10 (.122) |

| Size 8 Contact Type | Recommended PCB Hole ø |
|---|---|
| Coaxial (C or X) | 1,14 (.045) |

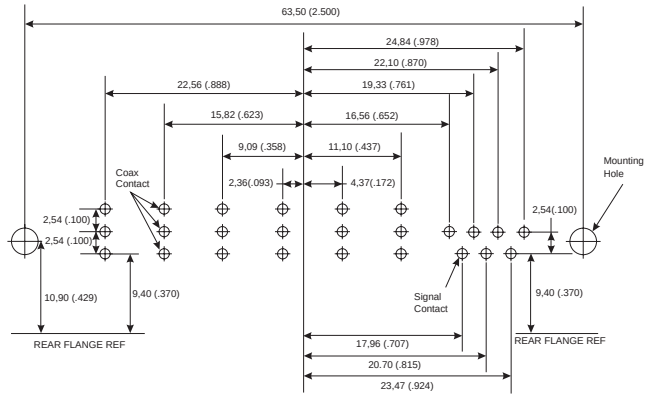
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Dimensions shown in mm
Specifications and dimensions subject to change

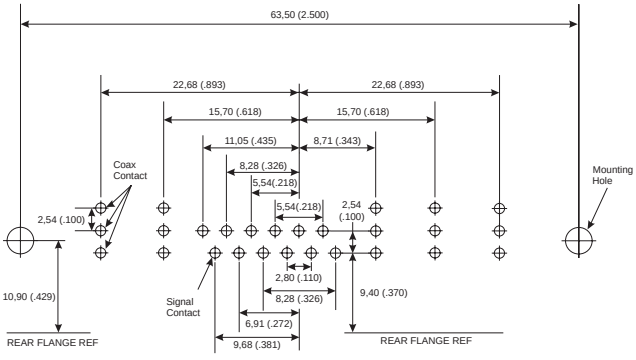
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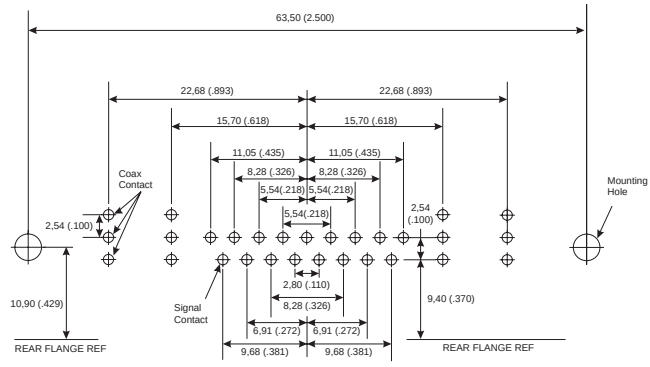

| | |
|---|---|
| Shell Size | C |
| Contact Arrangement | 8W8 |
| No. of Size 20 Cavities | 0 #20 |
| No. of Size 8 Cavities | 8 #8 |



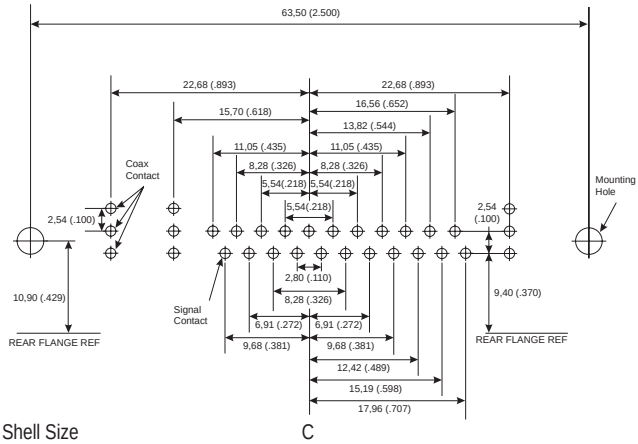

| | |
|---|---|
| C | |
| 13W6 | |
| 7 #20 | |
| 6 #8 | |



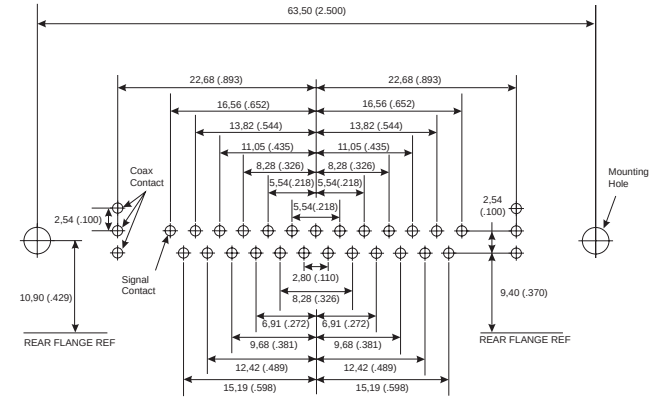

| | |
|---|---|
| Shell Size | C |
| Contact Arrangement | 17W5 |
| No. of Size 20 Cavities | 12 #20 |
| No. of Size 8 Cavities | 5 #8 |




| | |
|---|---|
| C | |
| 21WA4 | |
| 17 #20 | |
| 4 #8 | |




| | |
|---|---|
| Shell Size | C |
| Contact Arrangement | 25W3 |
| No. of Size 20 Cavities | 22 #20 |
| No. of Size 8 Cavities | 3 #8 |




| | |
|---|---|
| C | |
| 27W2 | |
| 25 #20 | |
| 2 #8 | |

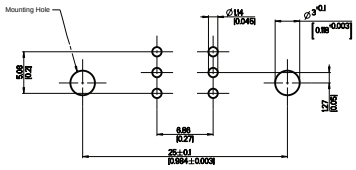
| Signal Contact ø | Recommended PCB Hole ø |
|---|---|
| 0,60 (.024) | 1,00 (.039) |

| Mounting Type | Recommended PCB Hole ø |
|---|---|
| Without Boardlock | 3,05 (.120) |
| With Boardlock | 3,10 (.122) |

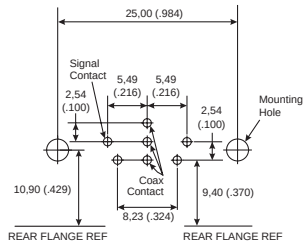
| Size 8 Contact Type | Recommended PCB Hole ø |
|---|---|

Dimensions shown in mm
Specifications and dimensions subject to change

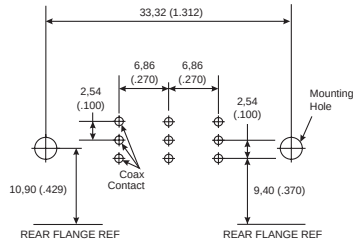
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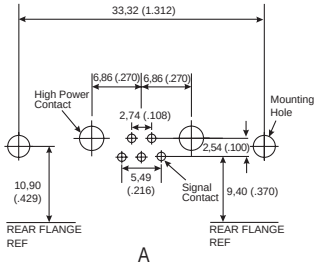

| | |
|---|---|
| Shell Size | E |
| Contact Arrangement | 2W2/2WK2 |
| No. of Size 20 Cavities | 0 #20 |
| No. of Size 8 Cavities | 2 #8 |



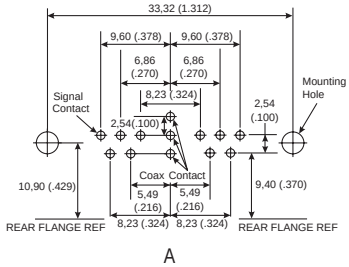

| | |
|---|---|
| Shell Size | E |
| Contact Arrangement | 5W1 |
| No. of Size 20 Cavities | 4 #20 |
| No. of Size 8 Cavities | 1 #8 |



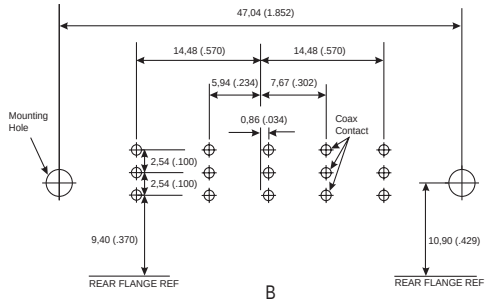

| | |
|---|---|
| Shell Size | A |
| Contact Arrangement | 3W3/3WK3 |
| No. of Size 20 Cavities | 0 #20 |
| No. of Size 8 Cavities | 3 #8 |



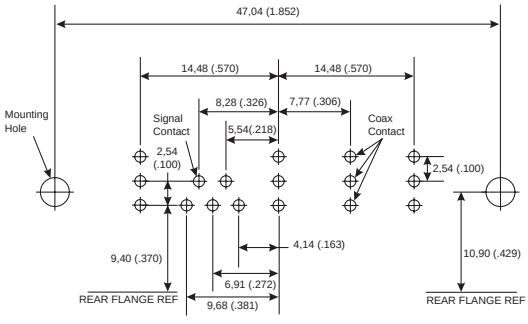

| | |
|---|---|
| Shell Size | A |
| Contact Arrangement | 7W2 |
| No. of Size 20 Cavities | 5 #20 |
| No. of Size 8 Cavities | 2 #8 |



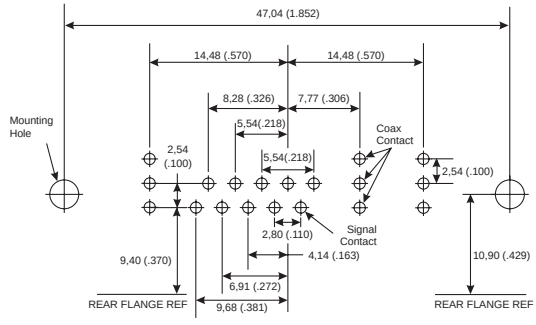

| | |
|---|---|
| Shell Size | A |
| Contact Arrangement | 11W1 |
| No. of Size 20 Cavities | 10 #20 |
| No. of Size 8 Cavities | 1 #8 |



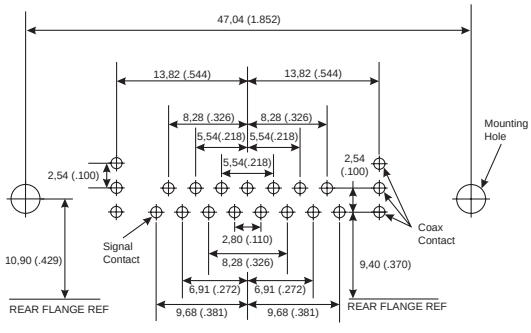

| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 5W5 |
| No. of Size 20 Cavities | 0 #20 |
| No. of Size 8 Cavities | 5 #8 |



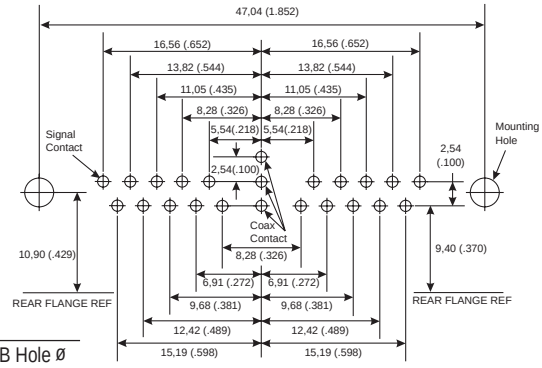

| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 9W4 |
| No. of Size 20 Cavities | 5 #20 |
| No. of Size 8 Cavities | 4 #8 |




| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 13W3 |
| No. of Size 20 Cavities | 10 #20 |
| No. of Size 8 Cavities | 3 #8 |




| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 17W2 |
| No. of Size 20 Cavities | 15 #20 |
| No. of Size 8 Cavities | 2 #8 |




| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 21W1 |
| No. of Size 20 Cavities | 20 #20 |
| No. of Size 8 Cavities | 1 #8 |

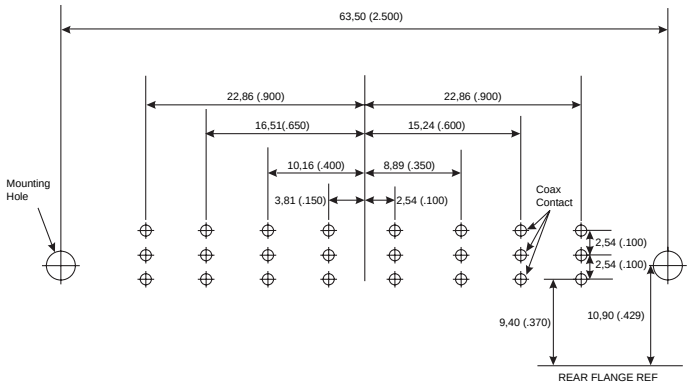
| Signal Contact ø | Recommended PCB Hole ø |
|---|---|
| 0,60 (.024) | 1,00 (.039) |

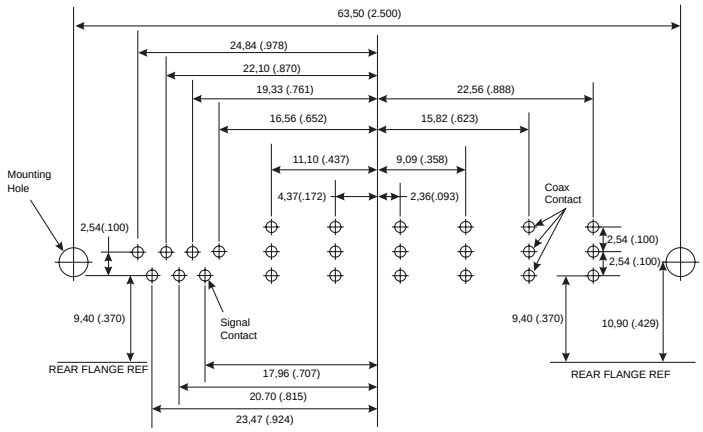
| Mounting Type | Recommended PCB Hole ø |
|---|---|
| Without Boardlock | 3,05 (.120) |
| With Boardlock | 3,10 (.122) |

| Size 8 Contact Type | Recommended PCB Hole ø |
|---|---|
| Coaxial (C or X) | 1,14 (.045) |

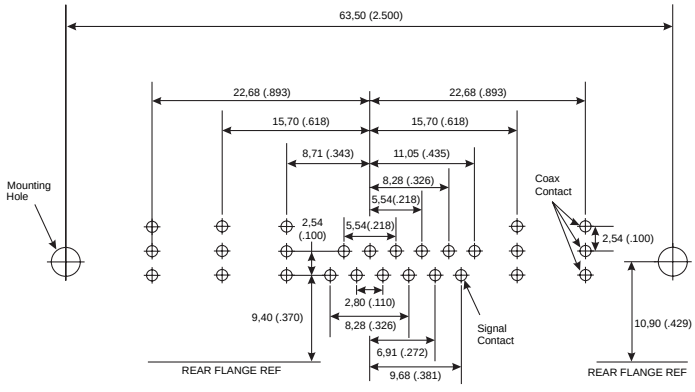
ITT

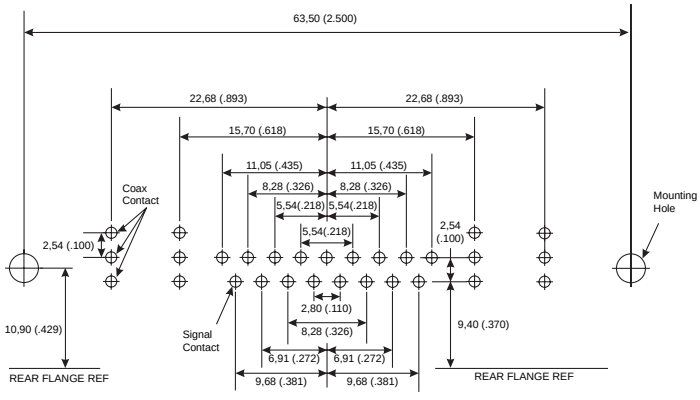
Dimensions shown in mm
Specifications and dimensions subject to change
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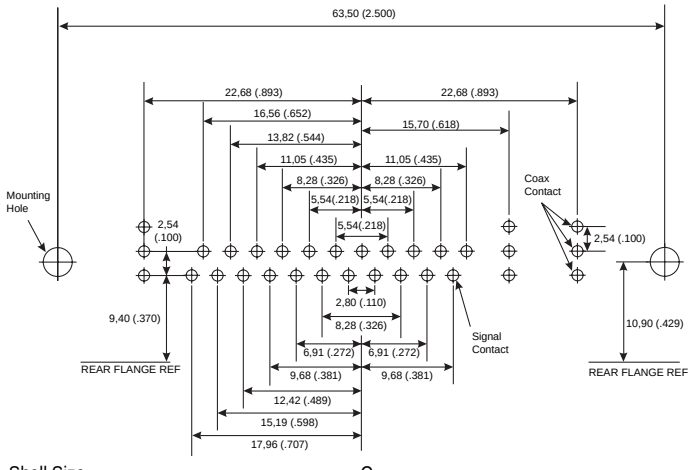



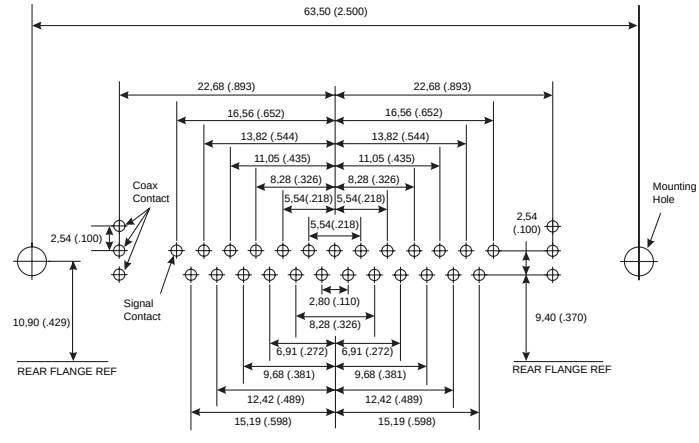

| | | |
|---|---|---|
| Shell Size | C | C |
| Contact Arrangement | 8W8 | 13W6 |
| No. of Size 20 Cavities | 0 #20 | 7 #20 |
| No. of Size 8 Cavities | 8 #8 | 6 #8 |




| | | |
|---|---|---|
| Shell Size | C | C |
| Contact Arrangement | 17W5 | 21WA4 |
| No. of Size 20 Cavities | 12 #20 | 17 #20 |
| No. of Size 8 Cavities | 5 #8 | 4 #8 |




| | | |
|---|---|---|
| Shell Size | C | C |
| Contact Arrangement | 25W3 | 27W2 |
| No. of Size 20 Cavities | 22 #20 | 25 #20 |
| No. of Size 8 Cavities | 3 #8 | 2 #8 |

| Signal Contact ø | Recommended PCB Hole ø |
|---|---|
| 0,60 (.024) | 1,00 (.039) |

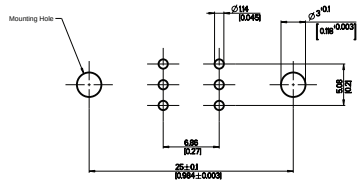
| Mounting Type | Recommended PCB Hole ø |
|---|---|
| Without Boardlock | 3,05 (.120) |
| With Boardlock | 3,10 (.122) |

| Size 8 Contact Type | Recommended PCB Hole ø |
|---|---|
| Coaxial (C or X) | 1,14 (.045) |

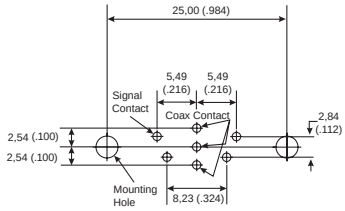
Dimensions shown in mm

Specifications and dimensions subject to change

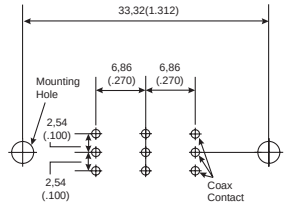
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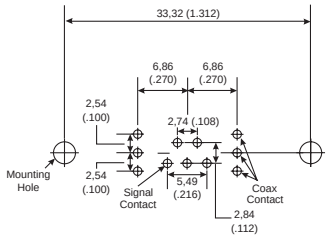

| | |
|---|---|
| Shell Size | E |
| Contact Arrangement | 2W2/2WK2 |
| No. of Size 20 Cavities | 0 #20 |
| No. of Size 8 Cavities | 2 #8 |



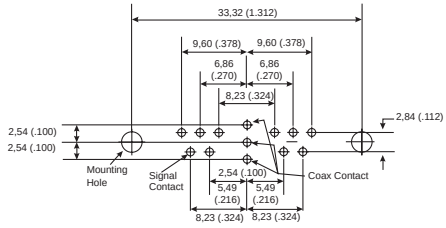

| | |
|---|---|
| Shell Size | E |
| Contact Arrangement | 5W1 |
| No. of Size 20 Cavities | 4 #20 |
| No. of Size 8 Cavities | 1 #8 |



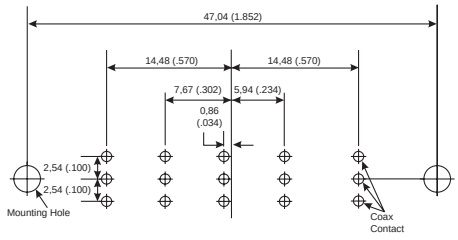

| | |
|---|---|
| Shell Size | A |
| Contact Arrangement | 3W3/3WK3 |
| No. of Size 20 Cavities | 0 #20 |
| No. of Size 8 Cavities | 3 #8 |



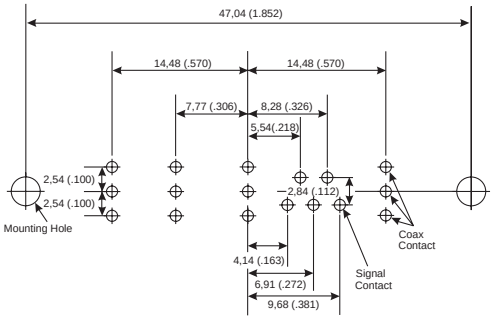

| | |
|---|---|
| Shell Size | A |
| Contact Arrangement | 7W2 |
| No. of Size 20 Cavities | 5 #20 |
| No. of Size 8 Cavities | 2 #8 |



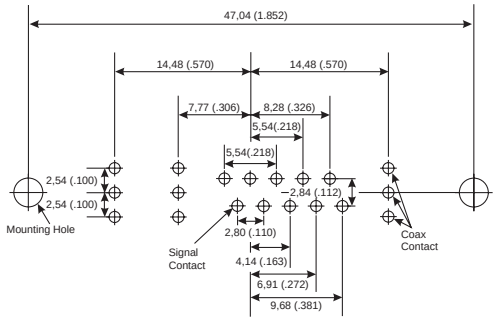

| | |
|---|---|
| Shell Size | A |
| Contact Arrangement | 11W1 |
| No. of Size 20 Cavities | 10 #20 |
| No. of Size 8 Cavities | 1 #8 |



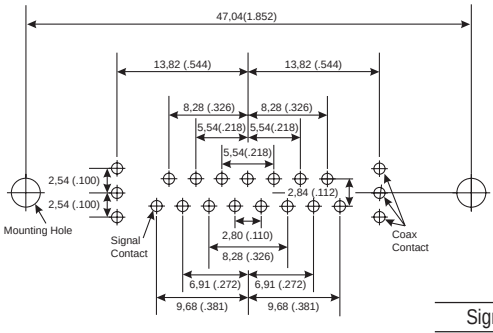

| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 5W5 |
| No. of Size 20 Cavities | 0 #20 |
| No. of Size 8 Cavities | 5 #8 |



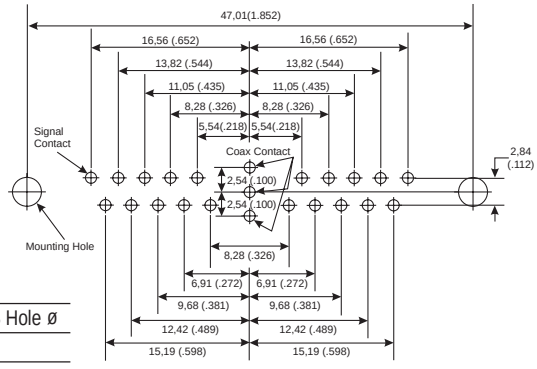

| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 9W4 |
| No. of Size 20 Cavities | 5 #20 |
| No. of Size 8 Cavities | 4 #8 |




| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 13W3 |
| No. of Size 20 Cavities | 10 #20 |
| No. of Size 8 Cavities | 3 #8 |




| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 17W2 |
| No. of Size 20 Cavities | 15 #20 |
| No. of Size 8 Cavities | 2 #8 |




| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 21W1 |
| No. of Size 20 Cavities | 20 #20 |
| No. of Size 8 Cavities | 1 #8 |

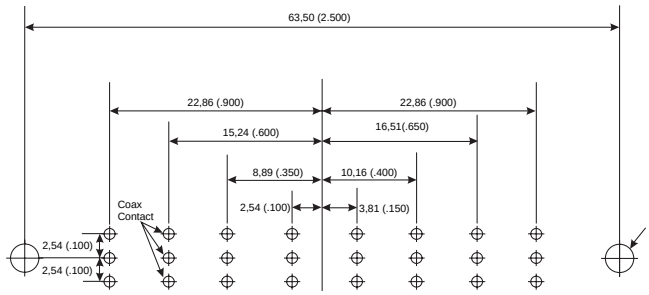
| Signal Contact ø | Recommended PCB Hole ø |
|---|---|
| 0,60 (.024) | 1,00 (.039) |
| 0,76 (.030) | 1,14 (.045) |

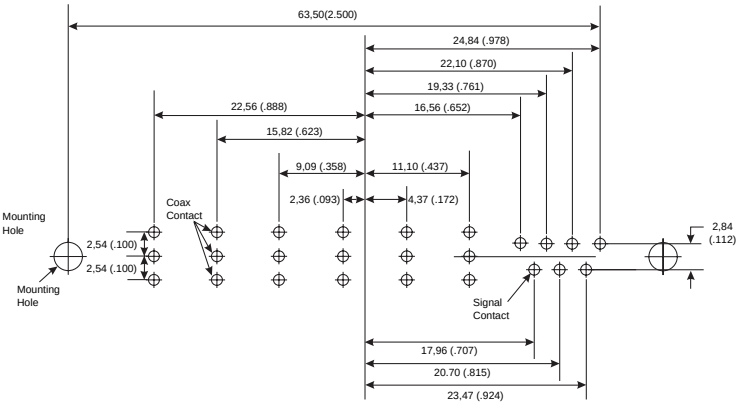
| Mounting Type | Recommended PCB Hole ø |
|---|---|
| Without Boardlock | 3,05 (.120) |
| With Boardlock | 3,10 (.122) |

| Size 8 Contact Type | Recommended PCB Hole ø |
|---|---|
| Coaxial (C or X) | 1,14 (.045) |

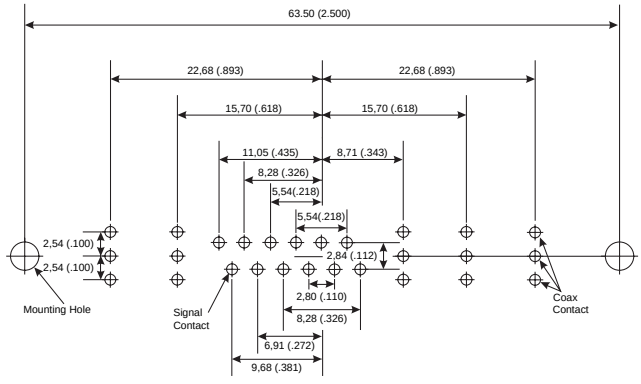
ITT

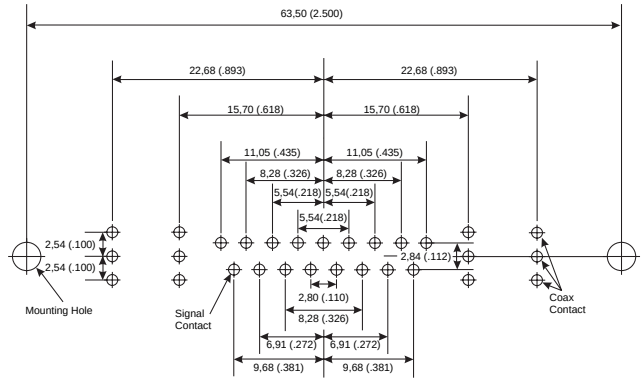
Dimensions shown in mm
Specifications and dimensions subject to change



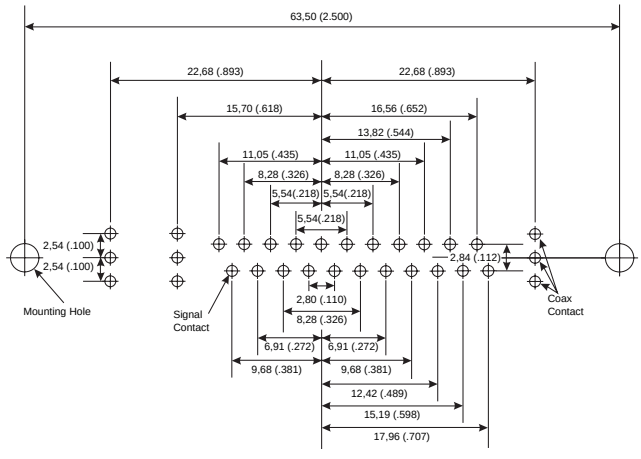



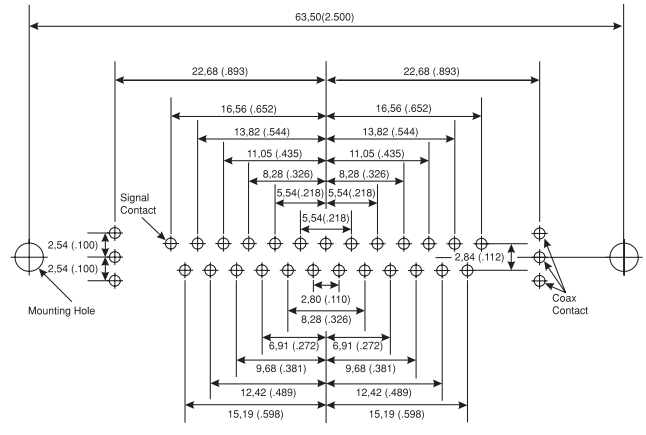

| Shell Size | C | C |
|---|---|---|
| Contact Arrangement | 8W8 | 13W6 |
| No. of Size 20 Cavities | 0 #20 | 7 #20 |
| No. of Size 8 Cavities | 8 #8 | 6 #8 |




| Shell Size | C | C |
|---|---|---|
| Contact Arrangement | 17W5 | 21WA4 |
| No. of Size 20 Cavities | 12 #20 | 17 #20 |
| No. of Size 8 Cavities | 5 #8 | 4 #8 |



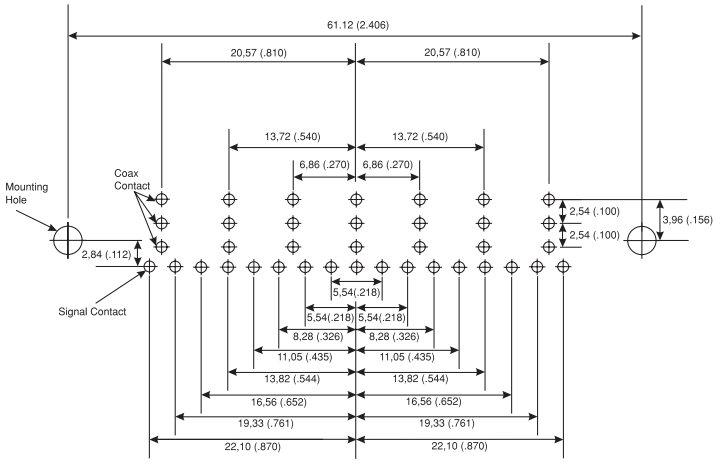

| Shell Size | C | C |
|---|---|---|
| Contact Arrangement | 25W3 | 27W2 |
| No. of Size 20 Cavities | 22 #20 | 25 #20 |
| No. of Size 8 Cavities | 3 #8 | 2 #8 |

| Signal Contact ø | Recommended PCB Hole ø |
|---|---|
| 0,60 (.024) | 1,00 (.039) |
| 0,76 (.030) | 1,14 (.045) |

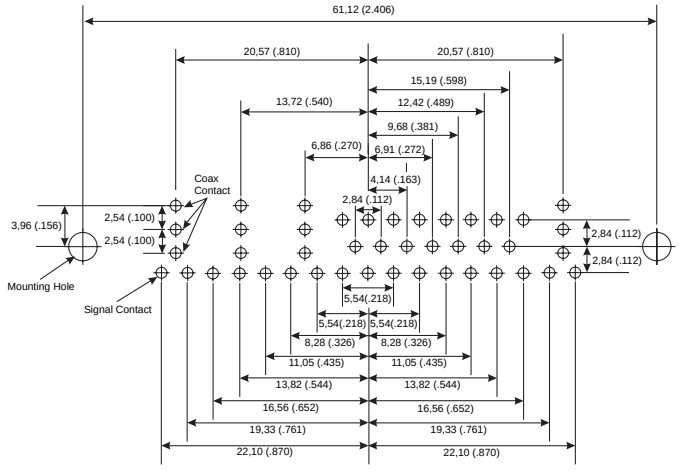
| Mounting Type | Recommended PCB Hole ø |
|---|---|
| Without Boardlock | 3,05 (.120) |
| With Boardlock | 3,10 (.122) |

| Size 8 Contact Type | Recommended PCB Hole ø |
|---|---|
| Coaxial (C or X) | 1,14 (.045) |

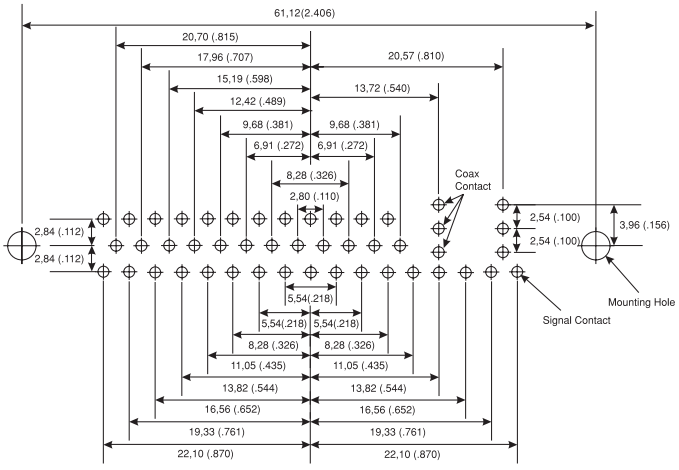
Dimensions shown in mm
Specifications and dimensions subject to change



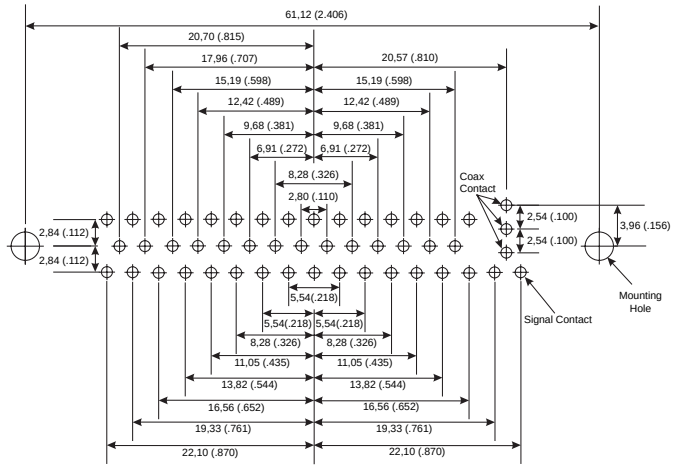

| Shell Size | D |
|---|---|
| Contact Arrangement | 24W7 |
| No. of Size 20 Cavities | 17 #20 |
| No. of Size 8 Cavities | 7 #8 |




| Shell Size | D |
|---|---|
| Contact Arrangement | 36W4 |
| No. of Size 20 Cavities | 32 #20 |
| No. of Size 8 Cavities | 4 #8 |




| Shell Size | D |
|---|---|
| Contact Arrangement | 43W2 |
| No. of Size 20 Cavities | 41 #20 |
| No. of Size 8 Cavities | 2 #8 |

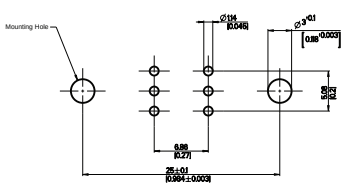



| Shell Size | D |
|---|---|
| Contact Arrangement | 47W1 |
| No. of Size 20 Cavities | 46 #20 |
| No. of Size 8 Cavities | 1 #8 |

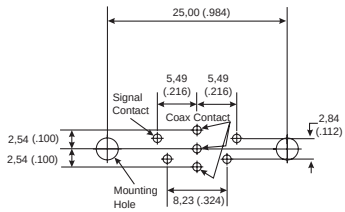
| Signal Contact ø | Recommended PCB Hole ø |
|---|---|
| 0,60 (.024) | 1,00 (.039) |
| 0,76 (.030) | 1,14 (.045) |

| Mounting Type | Recommended PCB Hole ø |
|---|---|
| Without Boardlock | 3,05 (.120) |
| With Boardlock | 3,10 (.122) |

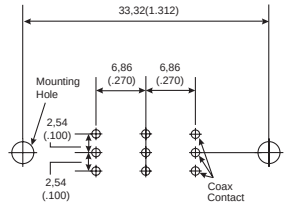
| Size 8 Contact Type | Recommended PCB Hole ø |
|---|---|
| Coaxial (C or X) | 1,14 (.045) |



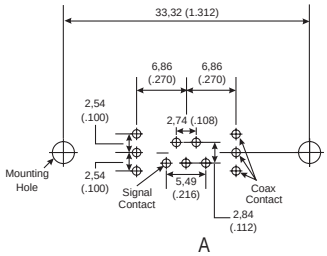

| | |
|---|---|
| Shell Size | E |
| Contact Arrangement | 2W2/2WK2 |
| No. of Size 20 Cavities | 0 #20 |
| No. of Size 8 Cavities | 2 #8 |



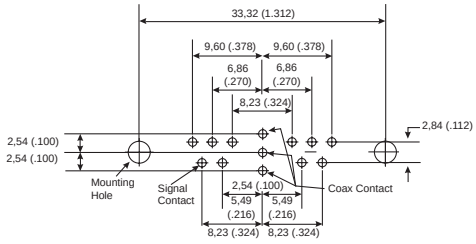

| | |
|---|---|
| Shell Size | E |
| Contact Arrangement | 5W1 |
| No. of Size 20 Cavities | 4 #20 |
| No. of Size 8 Cavities | 1 #8 |



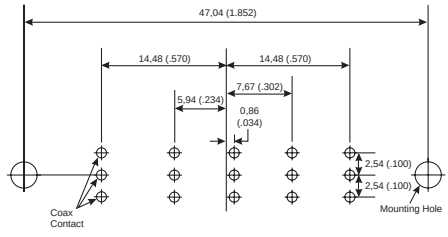

| | |
|---|---|
| Shell Size | A |
| Contact Arrangement | 3W3/3WK3 |
| No. of Size 20 Cavities | 0 #20 |
| No. of Size 8 Cavities | 3 #8 |



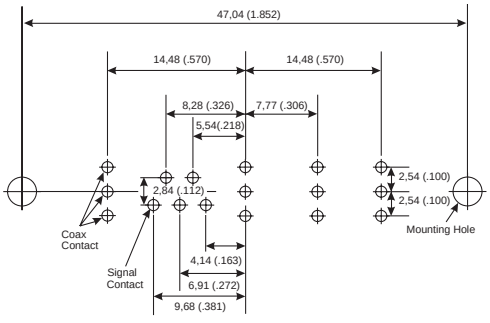

| | |
|---|---|
| Shell Size | A |
| Contact Arrangement | 7W2 |
| No. of Size 20 Cavities | 5 #20 |
| No. of Size 8 Cavities | 2 #8 |



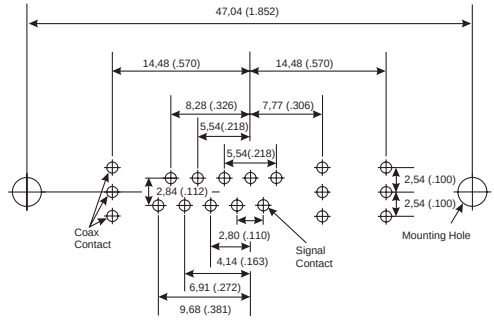

| | |
|---|---|
| Shell Size | A |
| Contact Arrangement | 11W1 |
| No. of Size 20 Cavities | 10 #20 |
| No. of Size 8 Cavities | 1 #8 |



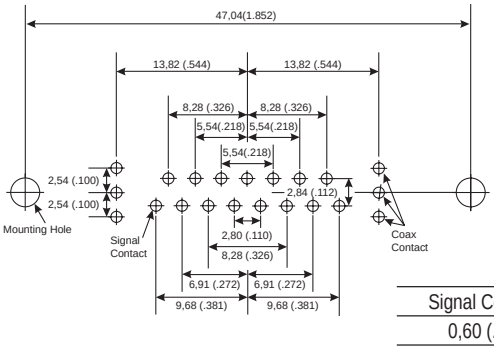

| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 5W5 |
| No. of Size 20 Cavities | 0 #20 |
| No. of Size 8 Cavities | 5 #8 |



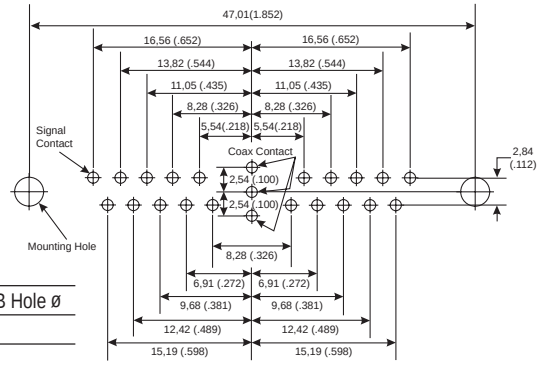

| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 9W4 |
| No. of Size 20 Cavities | 5 #20 |
| No. of Size 8 Cavities | 4 #8 |




| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 13W3 |
| No. of Size 20 Cavities | 10 #20 |
| No. of Size 8 Cavities | 3 #8 |




| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 17W2 |
| No. of Size 20 Cavities | 15 #20 |
| No. of Size 8 Cavities | 2 #8 |



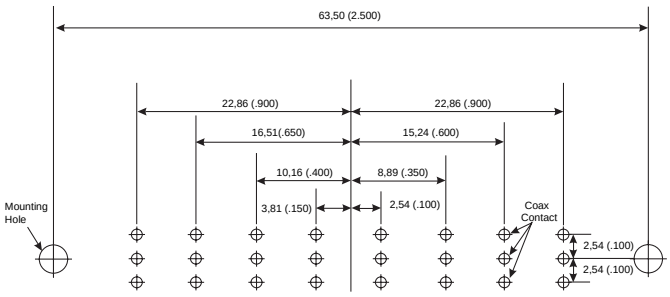

| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 21W1 |
| No. of Size 20 Cavities | 20 #20 |
| No. of Size 8 Cavities | 1 #8 |

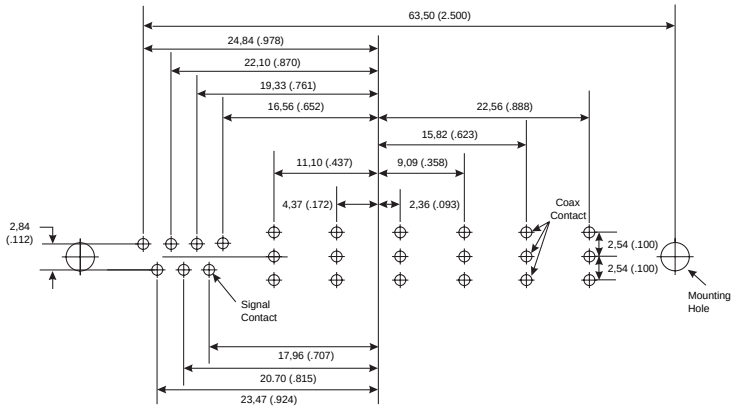
| Signal Contact ø | Recommended PCB Hole ø |
|---|---|
| 0,60 (.024) | 1,00 (.039) |
| 0,76 (.030) | 1,14 (.045) |

| Mounting Type | Recommended PCB Hole ø |
|---|---|
| Without Boardlock | 3,05 (.120) |
| With Boardlock | 3,10 (.122) |

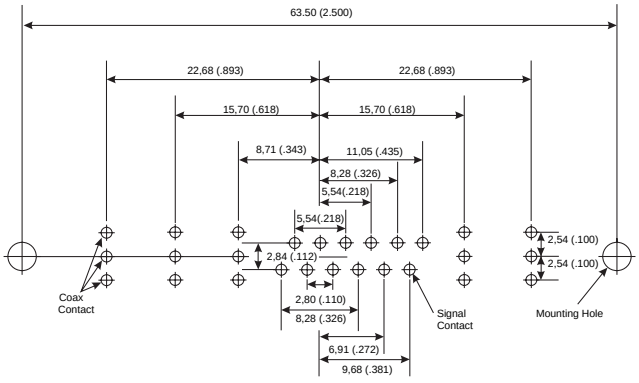
| Size 8 Contact Type | Recommended PCB Hole ø |
|---|---|
| Coaxial (C or X) | 1,14 (.045) |

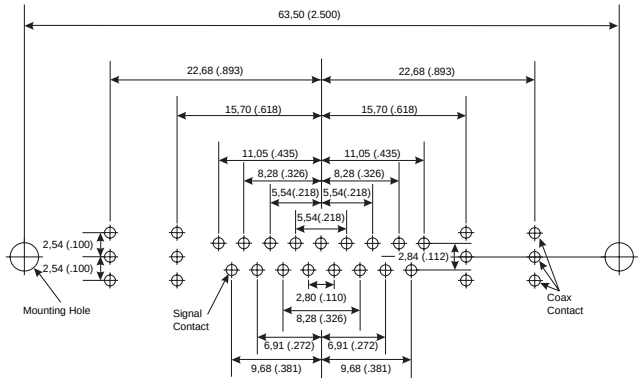
Dimensions shown in mm
Specifications and dimensions subject to change



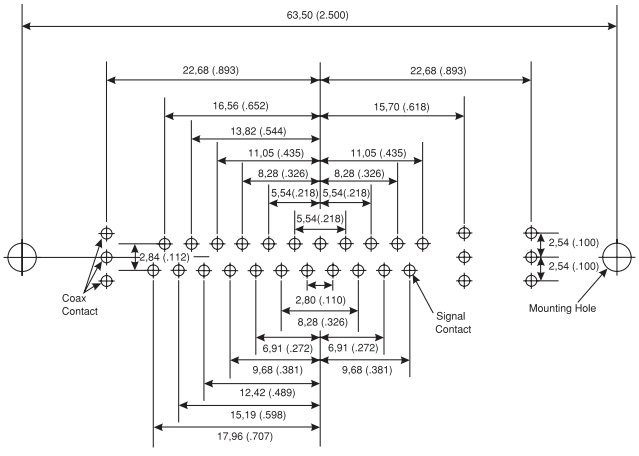



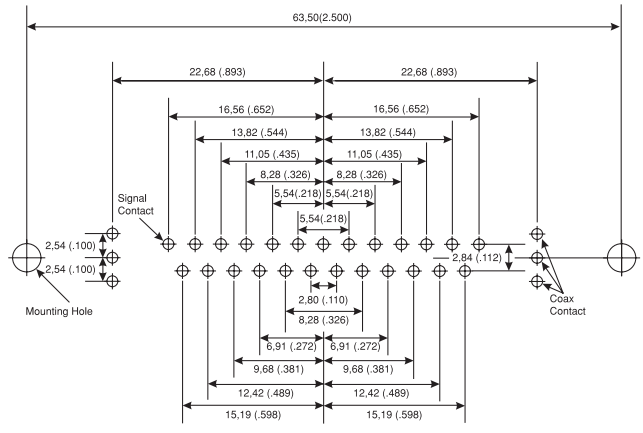

| | | |
|---|---|---|
| Shell Size | C | C |
| Contact Arrangement | 8W8 | 13W6 |
| No. of Size 20 Cavities | 0 #20 | 7 #20 |
| No. of Size 8 Cavities | 8 #8 | 6 #8 |




| | | |
|---|---|---|
| Shell Size | C | C |
| Contact Arrangement | 17W5 | 21WA4 |
| No. of Size 20 Cavities | 12 #20 | 17 #20 |
| No. of Size 8 Cavities | 5 #8 | 4 #8 |




| | | |
|---|---|---|
| Shell Size | C | C |
| Contact Arrangement | 25W3 | 27W2 |
| No. of Size 20 Cavities | 22 #20 | 25 #20 |
| No. of Size 8 Cavities | 3 #8 | 2 #8 |

| Signal Contact ø | Recommended PCB Hole ø |
|---|---|
| 0,60 (.024) | 1,00 (.039) |
| 0,76 (.030) | 1,14 (.045) |

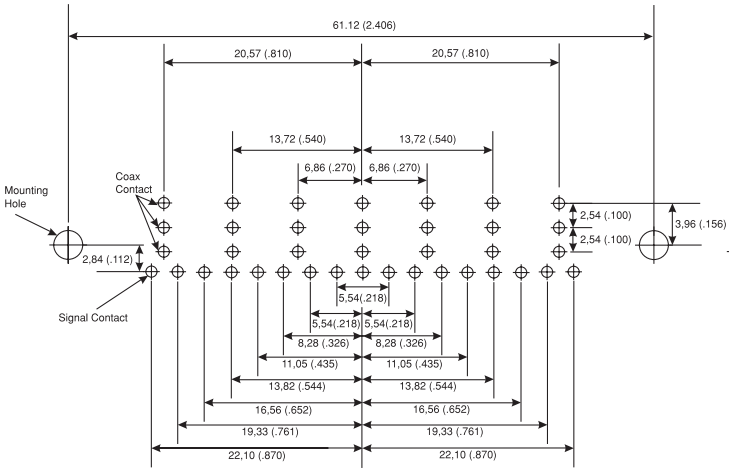
| Mounting Type | Recommended PCB Hole ø |
|---|---|
| Without Boardlock | 3,05 (.120) |
| With Boardlock | 3,10 (.122) |

| Size 8 Contact Type | Recommended PCB Hole ø |
|---|---|

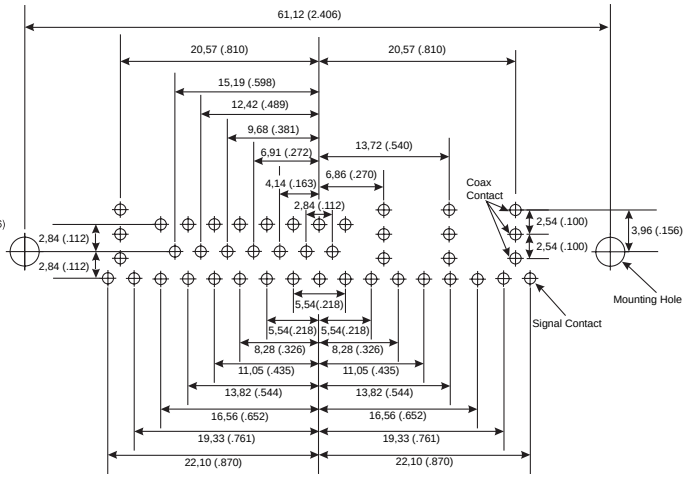
ITT

Dimensions shown in mm
Specifications and dimensions subject to change

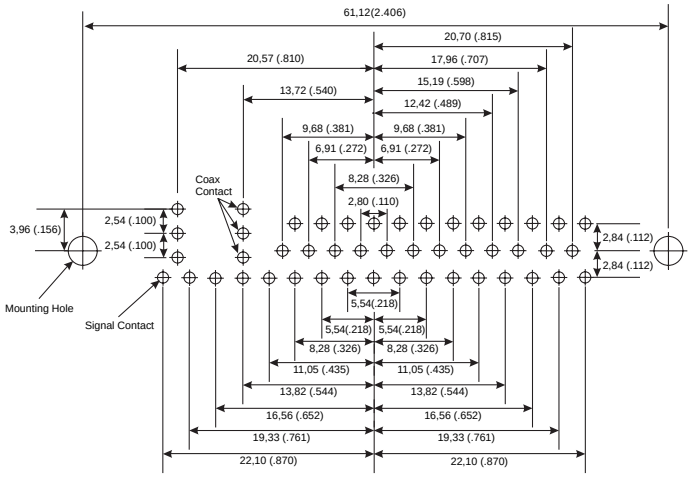
www.ittcannon.com



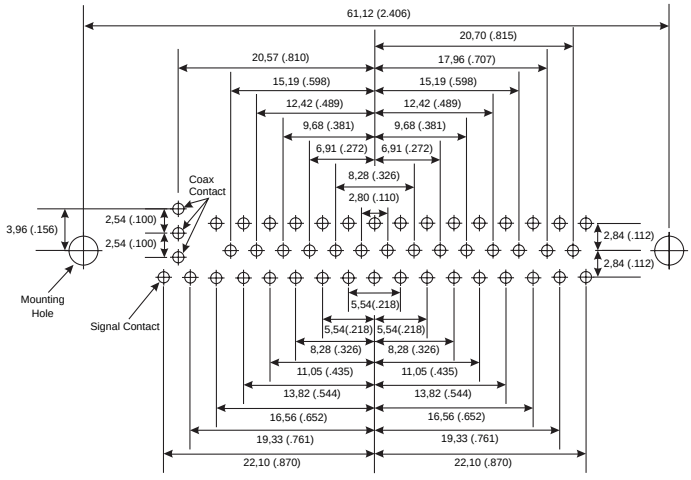

| Shell Size | D |
|---|---|
| Contact Arrangement | 24W7 |
| No. of Size 20 Cavities | 17 #20 |
| No. of Size 8 Cavities | 7 #8 |




| D |
|---|
| 36W4 |
| 32 #20 |
| 4 #8 |




| Shell Size | D |
|---|---|
| Contact Arrangement | 43W2 |
| No. of Size 20 Cavities | 41 #20 |
| No. of Size 8 Cavities | 2 #8 |



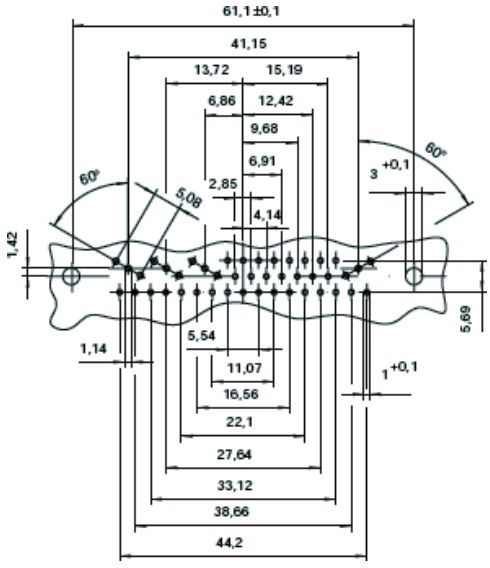

| D |
|---|
| 47W1 |
| 46 #20 |
| 1 #8 |

| Signal Contact ø | Recommended PCB Hole ø |
|---|---|
| 0,60 (.024) | 1,00 (.039) |
| 0,76 (.030) | 1,14 (.045) |

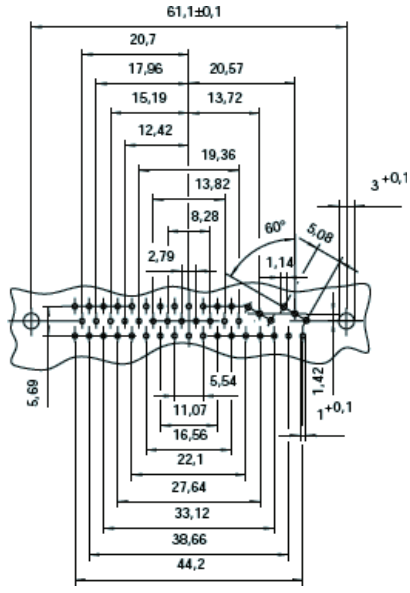
| Mounting Type | Recommended PCB Hole ø |
|---|---|
| Without Boardlock | 3,05 (.120) |
| With Boardlock | 3,10 (.122) |

| Size 8 Contact Type | Recommended PCB Hole ø |
|---|---|
| Coaxial (C or X) | 1,14 (.045) |

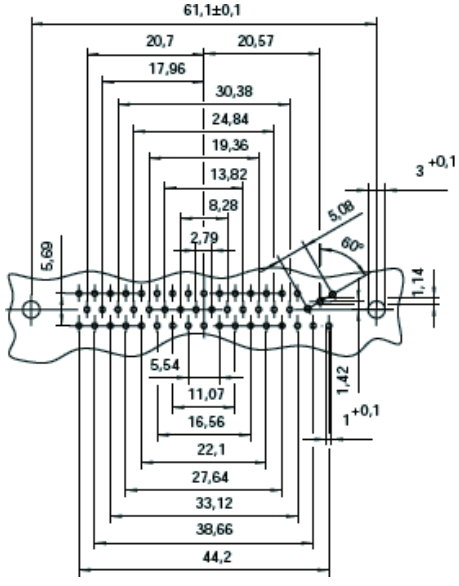
Dimensions shown in mm
Specifications and dimensions subject to change



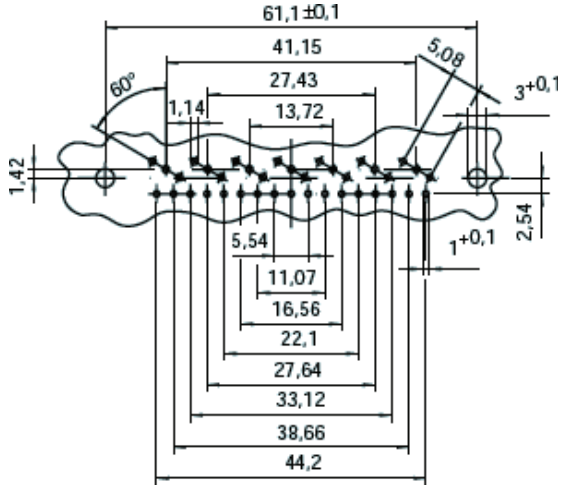

| | |
|---|---|
| Shell Size | D |
| Contact Arrangement | 36C4/36X4 |
| No. of Size 20 Cavities | 32#20 |
| No. of Size 8 Cavities | 4#8 |



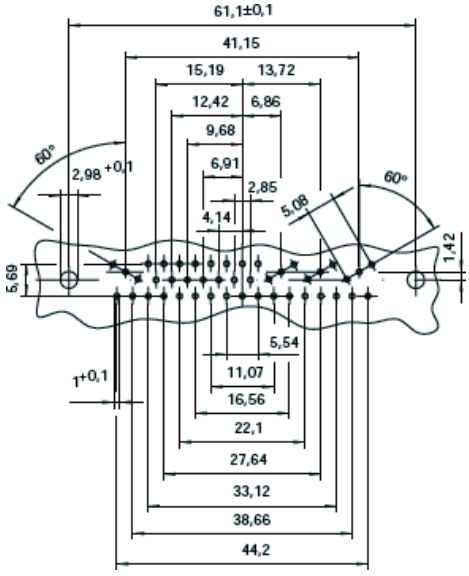

| | |
|---|---|
| D | |
| 43C2/43X2 | |
| 41#20 | |
| 2#8 | |



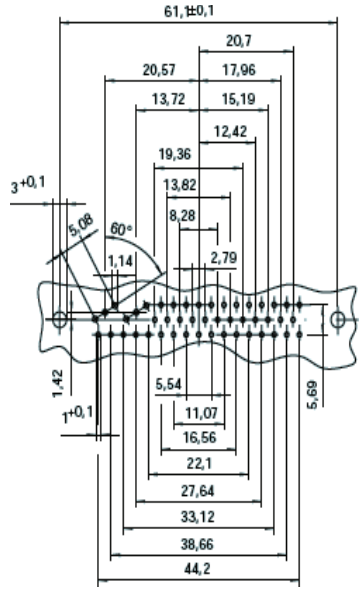

| | |
|---|---|
| Shell Size | D |
| Contact Arrangement | 47C1/47X1 |
| No. of Size 20 Cavities | 46#20 |
| No. of Size 8 Cavities | 1#8 |



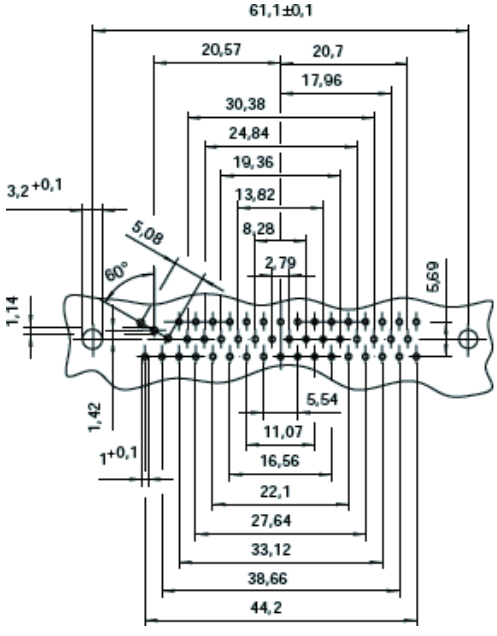

| | |
|---|---|
| D | |
| 24C7/24X7 | |
| 17#20 | |
| 7#8 | |



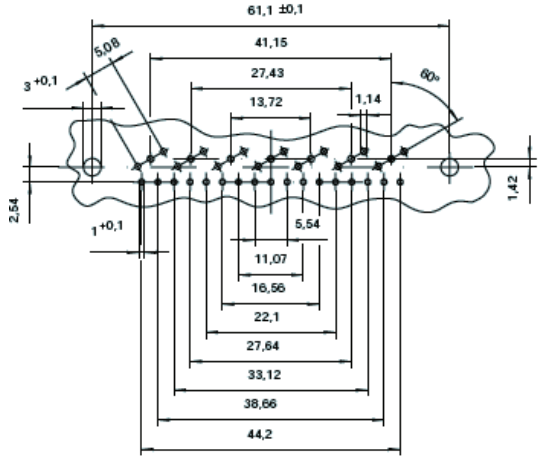

| | |
|---|---|
| Shell Size | D |
| Contact Arrangement | 36C4/36X4 |
| No. of Size 20 Cavities | 32#20 |
| No. of Size 8 Cavities | 4#8 |




| | |
|---|---|
| Shell Size | D |
| Contact Arrangement | 43C2/43X2 |
| No. of Size 20 Cavities | 41#20 |
| No. of Size 8 Cavities | 2#8 |

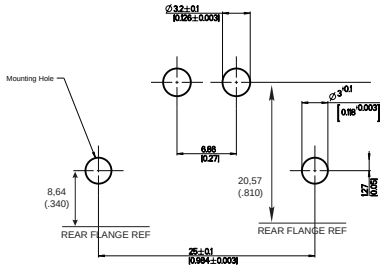



| | |
|---|---|
| Shell Size | C |
| Contact Arrangement | 47C1/47X1 |
| No. of Size 20 Cavities | 46#20 |
| No. of Size 8 Cavities | 1#8 |

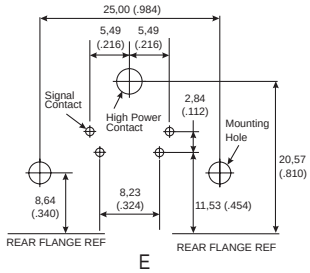



| | |
|---|---|
| Shell Size | D |
| Contact Arrangement | 24C7/24X7 |
| No. of Size 20 Cavities | 17#20 |
| No. of Size 8 Cavities | 7#8 |

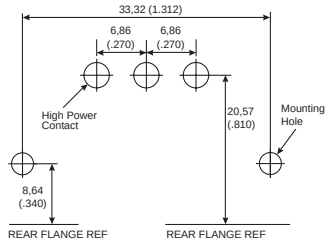
Dimensions shown in mm
Specifications and dimensions subject to change



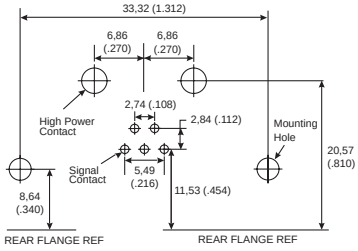

| | |
|---|---|
| Shell Size | E |
| Contact Arrangement | 2W2/2WK2 |
| No. of Size 20 Cavities | 0 #20 |
| No. of Size 8 Cavities | 2 #8 |



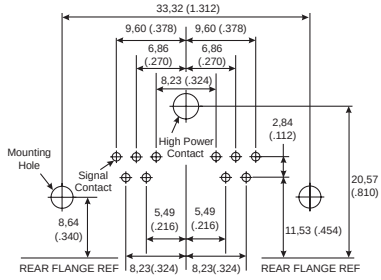

| | |
|---|---|
| Shell Size | E |
| Contact Arrangement | 5W1 |
| No. of Size 20 Cavities | 4 #20 |
| No. of Size 8 Cavities | 1 #8 |



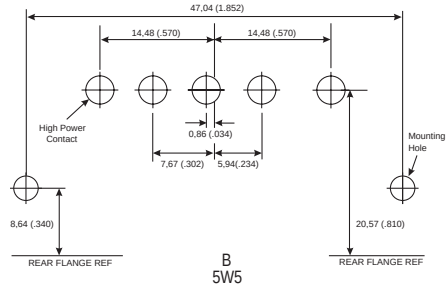

| | |
|---|---|
| Shell Size | A |
| Contact Arrangement | 3W3/3WK3 |
| No. of Size 20 Cavities | 0 #20 |
| No. of Size 8 Cavities | 3 #8 |



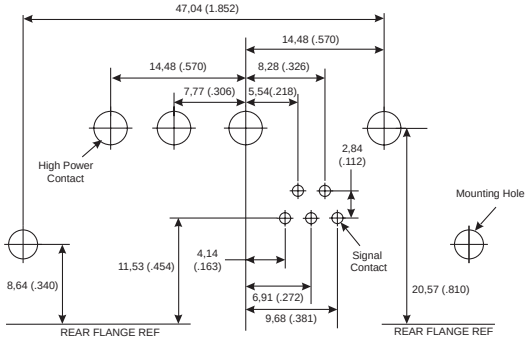

| | |
|---|---|
| Shell Size | A |
| Contact Arrangement | 7W2 |
| No. of Size 20 Cavities | 5 #20 |
| No. of Size 8 Cavities | 2 #8 |



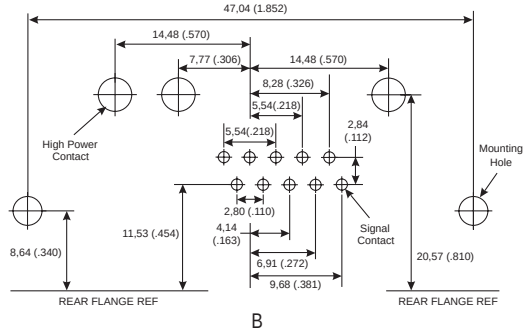

| | |
|---|---|
| Shell Size | A |
| Contact Arrangement | 11W1 |
| No. of Size 20 Cavities | 10 #20 |
| No. of Size 8 Cavities | 1 #8 |



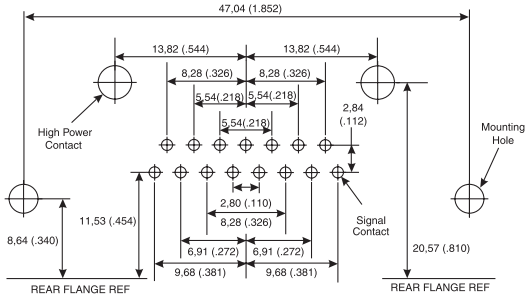

| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 5W5 |
| No. of Size 20 Cavities | 0 #20 |
| No. of Size 8 Cavities | 5 #8 |



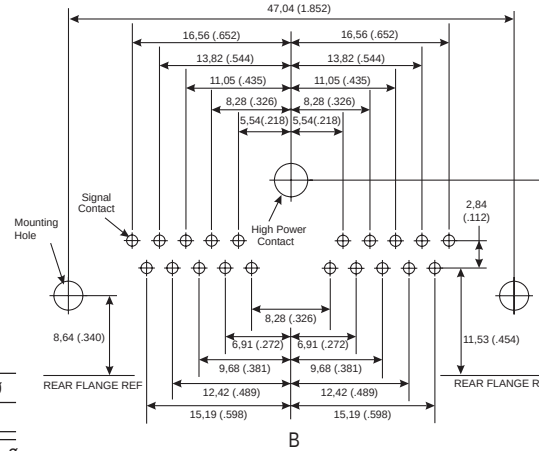

| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 9W4 |
| No. of Size 20 Cavities | 5 #20 |
| No. of Size 8 Cavities | 4 #8 |




| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 13W3 |
| No. of Size 20 Cavities | 10 #20 |
| No. of Size 8 Cavities | 3 #8 |




| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 17W2 |
| No. of Size 20 Cavities | 15 #20 |
| No. of Size 8 Cavities | 2 #8 |




| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 21W1 |
| No. of Size 20 Cavities | 20 #20 |
| No. of Size 8 Cavities | 1 #8 |

| Signal Contact ø | Recommended PCB Hole ø |
|---|---|
| 0,76 (.030) | 1,14 (.045) |

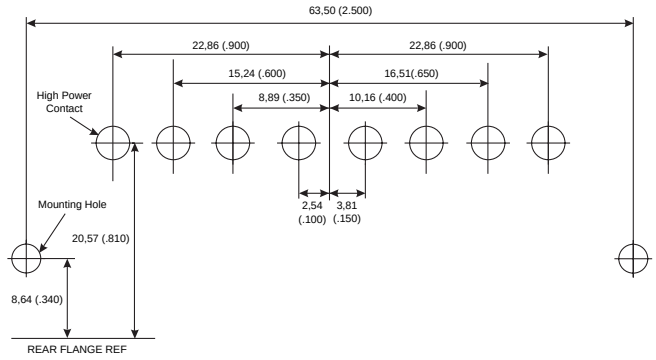
| Mounting Type | Recommended PCB Hole ø |
|---|---|
| Without Boardlock | 3,05 (.120) |
| With Boardlock | 3,10 (.122) |

| Size 8 Contact Type | Recommended PCB Hole ø |
|---|---|
| High Power (H) | 3,56 (.140) |

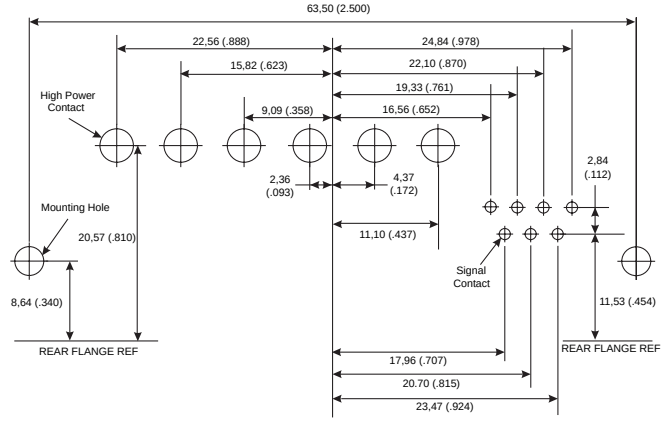
ITT

Dimensions shown in mm

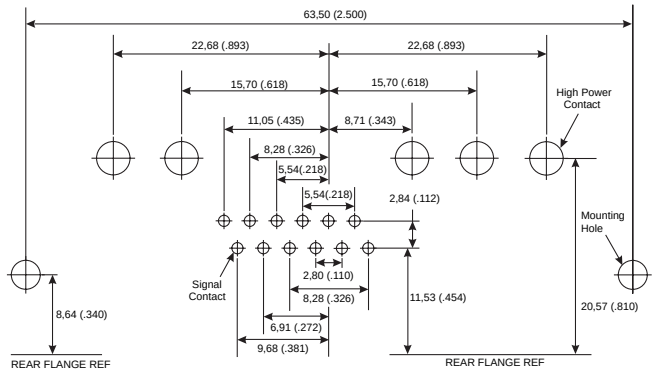
Specifications and dimensions subject to change



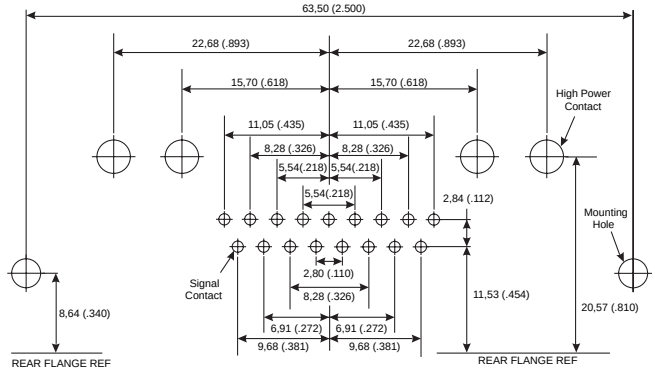

| Shell Size | C |
|---|---|
| Contact Arrangement | 8W8 |
| No. of Size 20 Cavities | 0 #20 |
| No. of Size 8 Cavities | 8 #8 |



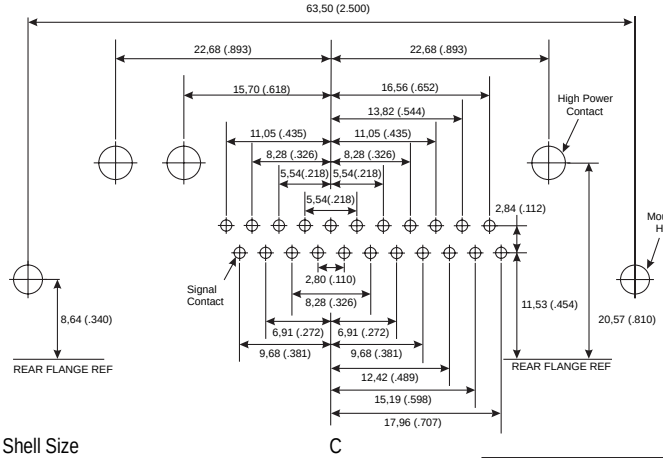

| C |
|---|
| 13W6 |
| 7 #20 |
| 6 #8 |



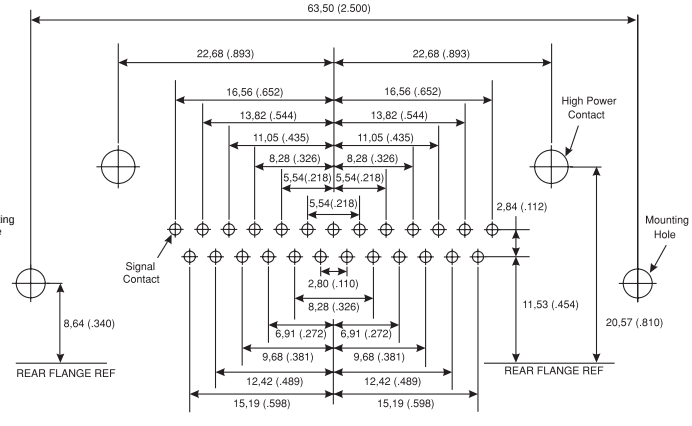

| Shell Size | C |
|---|---|
| Contact Arrangement | 17W5 |
| No. of Size 20 Cavities | 12 #20 |
| No. of Size 8 Cavities | 5 #8 |




| C |
|---|
| 21WA4 |
| 17 #20 |
| 4 #8 |




| Shell Size | C |
|---|---|
| Contact Arrangement | 25W3 |
| No. of Size 20 Cavities | 22 #20 |
| No. of Size 8 Cavities | 3 #8 |




| C |
|---|
| 27W2 |
| 25 #20 |
| 2 #8 |

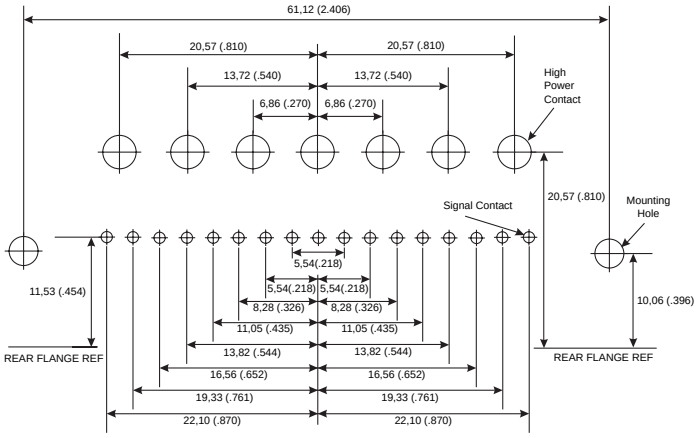
| Signal Contact ø | Recommended PCB Hole ø |
|---|---|
| 0,76 (.030) | 1,14 (.045) |

| Mounting Type | Recommended PCB Hole ø |
|---|---|
| Without Boardlock | 3,05 (.120) |
| With Boardlock | 3,10 (.122) |

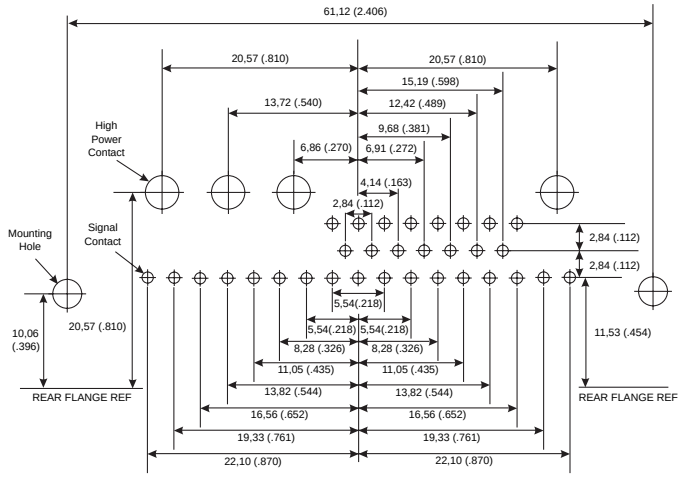
| Size 8 Contact Type | Recommended PCB Hole ø |
|---|---|
| High Power (H) | 3,56 (.140) |

Dimensions shown in mm

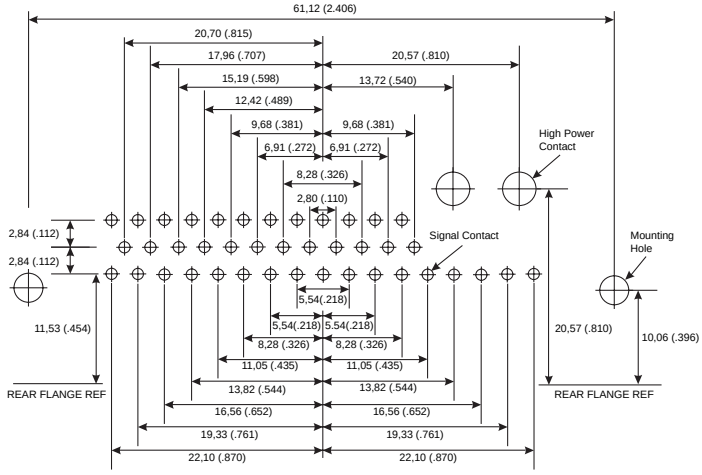
Specifications and dimensions subject to change



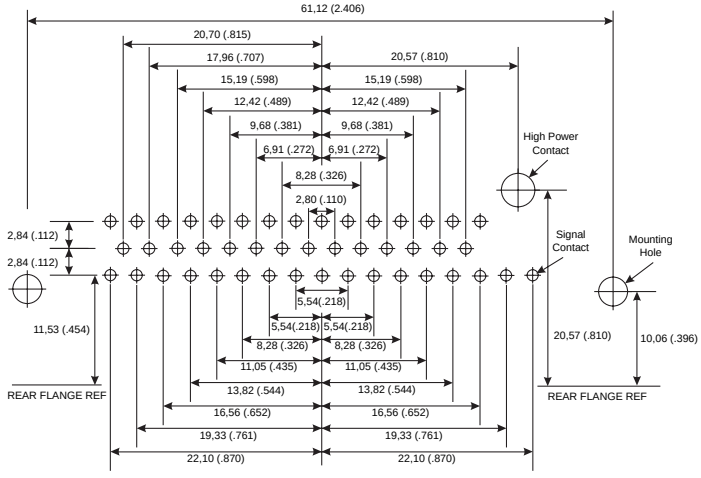

| Shell Size | D |
|---|---|
| Contact Arrangement | 24W7 |
| No. of Size 20 Cavities | 17 #20 |
| No. of Size 8 Cavities | 7 #8 |




| Shell Size | D |
|---|---|
| Contact Arrangement | 36W4 |
| No. of Size 20 Cavities | 32 #20 |
| No. of Size 8 Cavities | 4 #8 |




| Shell Size | D |
|---|---|
| Contact Arrangement | 43W2 |
| No. of Size 20 Cavities | 41 #20 |
| No. of Size 8 Cavities | 2 #8 |




| Shell Size | D |
|---|---|
| Contact Arrangement | 47W1 |
| No. of Size 20 Cavities | 46 #20 |
| No. of Size 8 Cavities | 1 #8 |

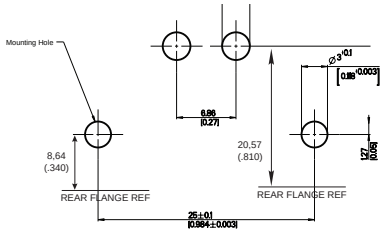
| Signal Contact ø | Recommended PCB Hole ø |
|---|---|
| 0,76 (.030) | 1,14 (.045) |

| Mounting Type | Recommended PCB Hole ø |
|---|---|
| Without Boardlock | 3,05 (.120) |
| With Boardlock | 3,10 (.122) |

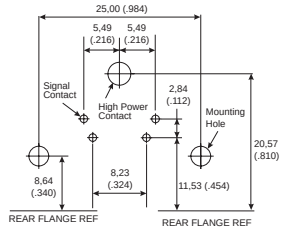
| Size 8 Contact Type | Recommended PCB Hole ø |
|---|---|
| High Power (H) | 3,56 (.140) |

ITT

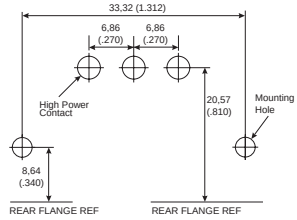
Dimensions shown in mm
Specifications and dimensions subject to change
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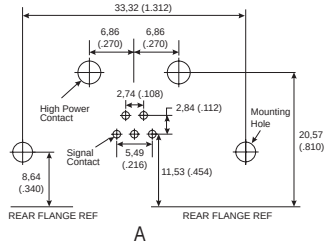

| | |
|---|---|
| Shell Size | E |
| Contact Arrangement | 2W2/2WK2 |
| No. of Size 20 Cavities | 0 #20 |
| No. of Size 8 Cavities | 2 #8 |



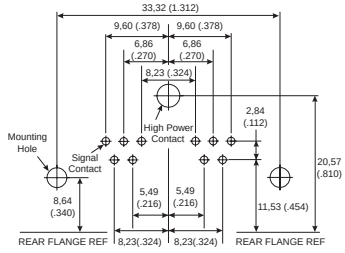

| | |
|---|---|
| Shell Size | E |
| Contact Arrangement | 5W1 |
| No. of Size 20 Cavities | 4 #20 |
| No. of Size 8 Cavities | 1 #8 |



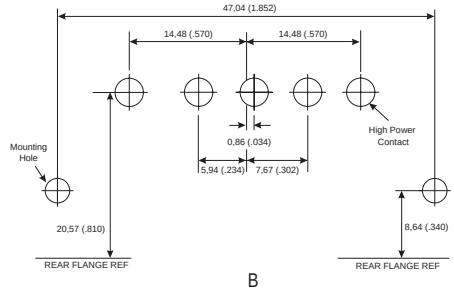

| | |
|---|---|
| Shell Size | A |
| Contact Arrangement | 3W3/3WK3 |
| No. of Size 20 Cavities | 0 #20 |
| No. of Size 8 Cavities | 3 #8 |



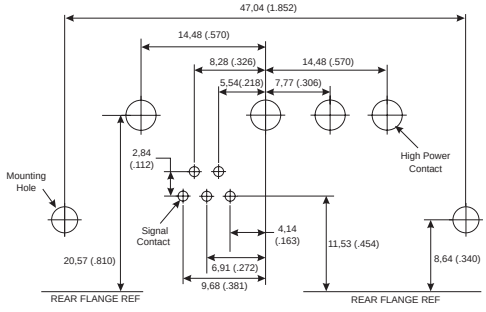

| | |
|---|---|
| Shell Size | A |
| Contact Arrangement | 7W2 |
| No. of Size 20 Cavities | 5 #20 |
| No. of Size 8 Cavities | 2 #8 |



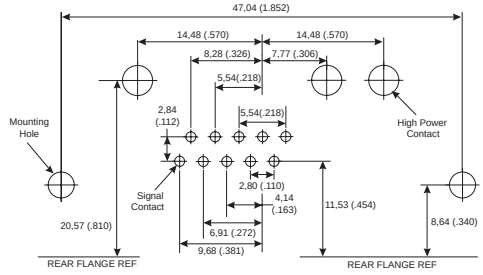

| | |
|---|---|
| Shell Size | A |
| Contact Arrangement | 11W1 |
| No. of Size 20 Cavities | 10 #20 |
| No. of Size 8 Cavities | 1 #8 |



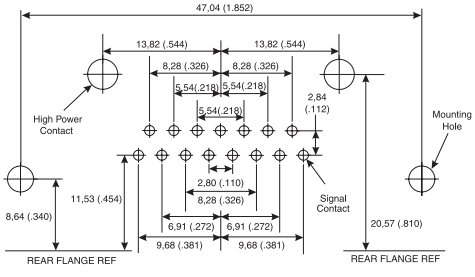

| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 5W5 |
| No. of Size 20 Cavities | 0 #20 |
| No. of Size 8 Cavities | 5 #8 |



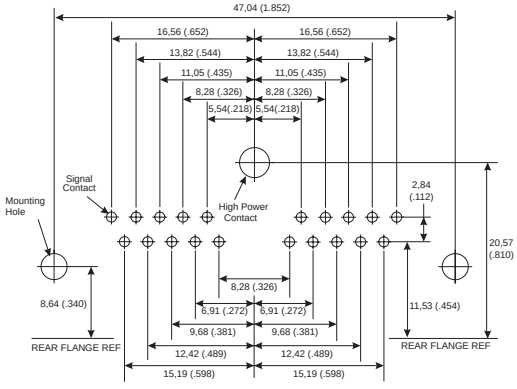

| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 9W4 |
| No. of Size 20 Cavities | 5 #20 |
| No. of Size 8 Cavities | 4 #8 |




| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 13W3 |
| No. of Size 20 Cavities | 10 #20 |
| No. of Size 8 Cavities | 3 #8 |




| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 17W2 |
| No. of Size 20 Cavities | 15 #20 |
| No. of Size 8 Cavities | 2 #8 |



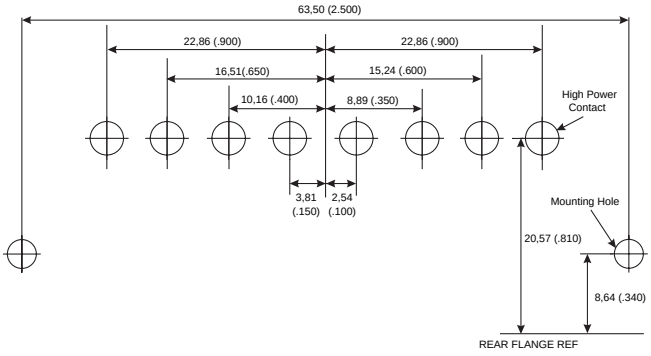

| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 21W1 |
| No. of Size 20 Cavities | 20 #20 |
| No. of Size 8 Cavities | 1 #8 |

| Signal Contact ø | Recommended PCB Hole ø |
|---|---|
| 0,76 (.030) | 1,14 (.045) |

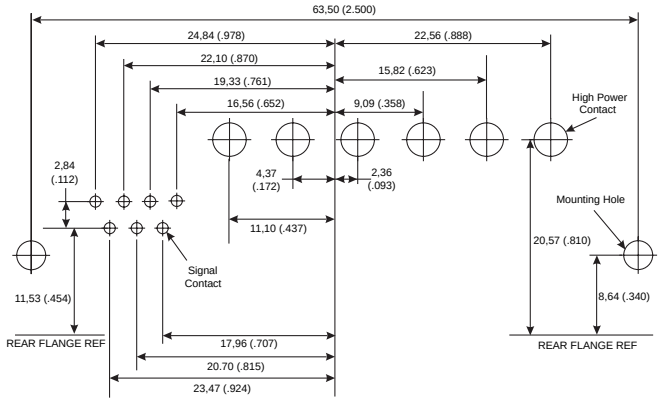
| Mounting Type | Recommended PCB Hole ø |
|---|---|
| Without Boardlock | 3,05 (.120) |
| With Boardlock | 3,10 (.122) |

| Size 8 Contact Type | Recommended PCB Hole ø |
|---|---|
| High Power (H) | 3,56 (.140) |

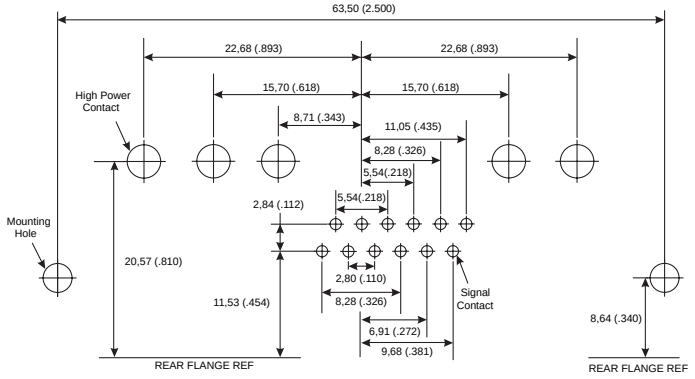
Dimensions shown in mm
Specifications and dimensions subject to change



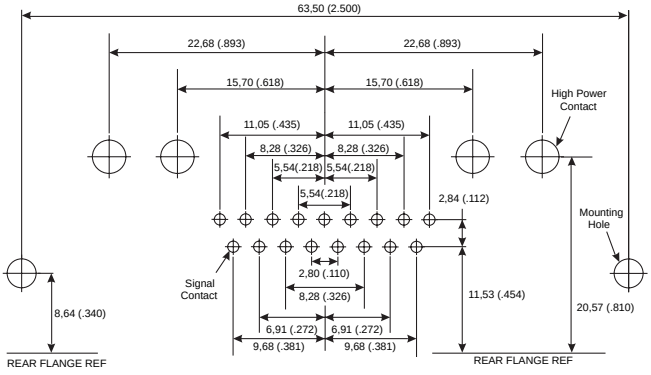

| Shell Size | C |
|---|---|
| Contact Arrangement | 8W8 |
| No. of Size 20 Cavities | 0 #20 |
| No. of Size 8 Cavities | 8 #8 |



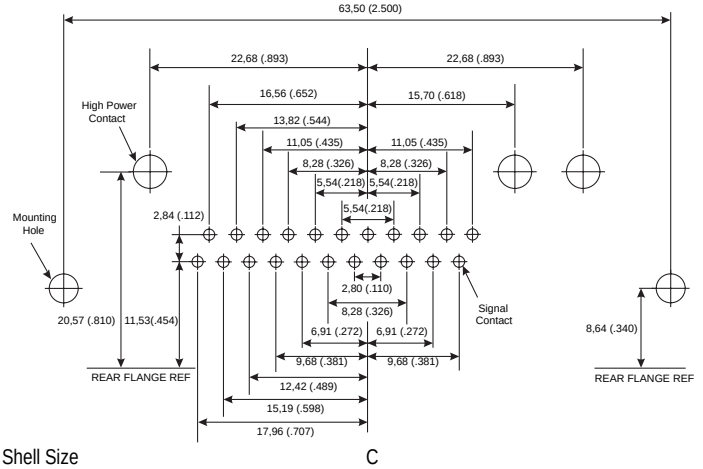

| Shell Size | C |
|---|---|
| Contact Arrangement | 13W6 |
| No. of Size 20 Cavities | 7 #20 |
| No. of Size 8 Cavities | 6 #8 |



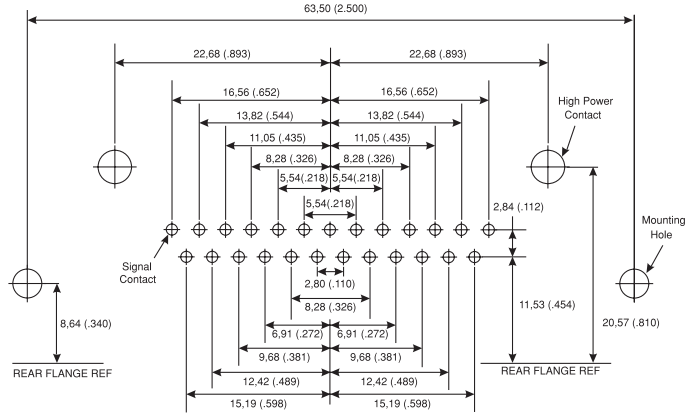

| Shell Size | C |
|---|---|
| Contact Arrangement | 17W5 |
| No. of Size 20 Cavities | 12 #20 |
| No. of Size 8 Cavities | 5 #8 |




| Shell Size | C |
|---|---|
| Contact Arrangement | 21WA4 |
| No. of Size 20 Cavities | 17 #20 |
| No. of Size 8 Cavities | 4 #8 |




| Shell Size | C |
|---|---|
| Contact Arrangement | 25W3 |
| No. of Size 20 Cavities | 22 #20 |
| No. of Size 8 Cavities | 3 #8 |




| Shell Size | C |
|---|---|
| Contact Arrangement | 27W2 |
| No. of Size 20 Cavities | 25 #20 |
| No. of Size 8 Cavities | 2 #8 |

| Signal Contact ø | Recommended PCB Hole ø |
|---|---|
| 0,76 (.030) | 1,14 (.045) |

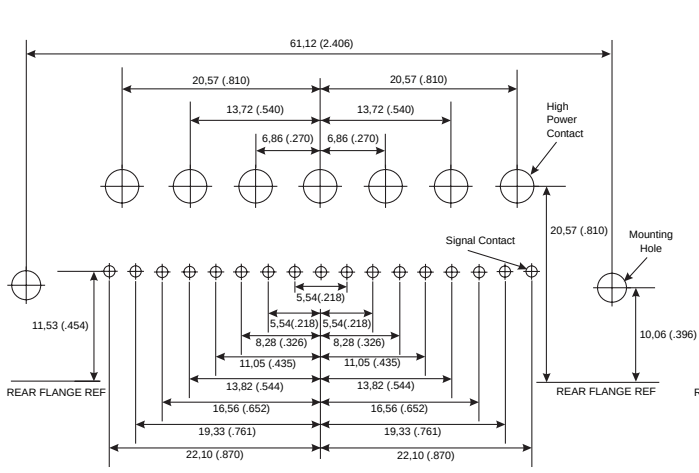
| Mounting Type | Recommended PCB Hole ø |
|---|---|
| Without Boardlock | 3,05 (.120) |
| With Boardlock | 3,10 (.122) |

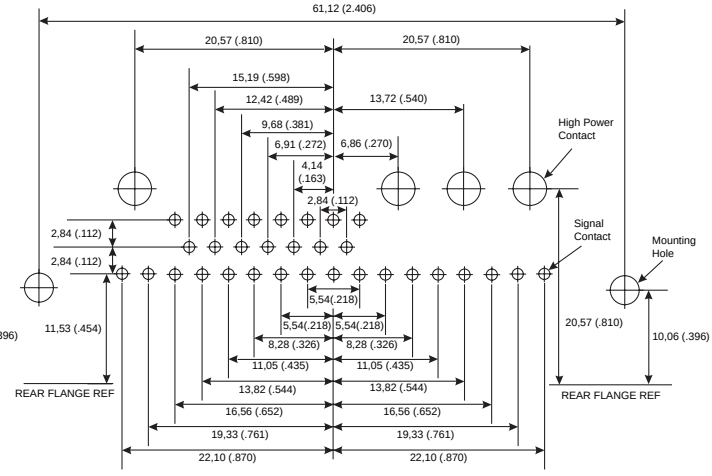
| Size 8 Contact Type | Recommended PCB Hole ø |
|---|---|
| High Power (H) | 3,56 (.140) |

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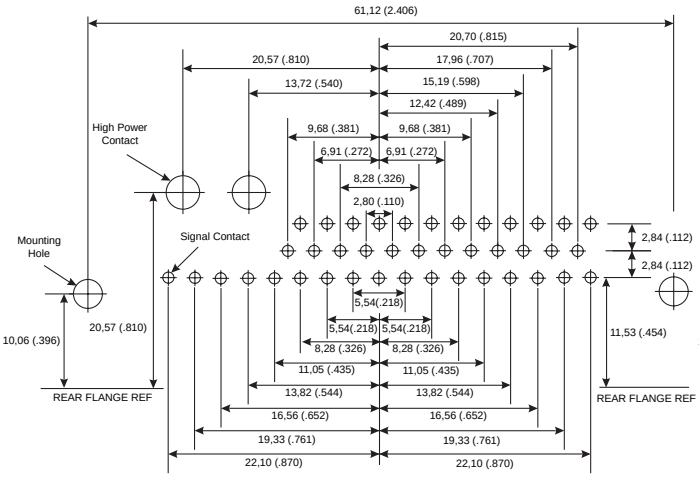
Dimensions shown in mm

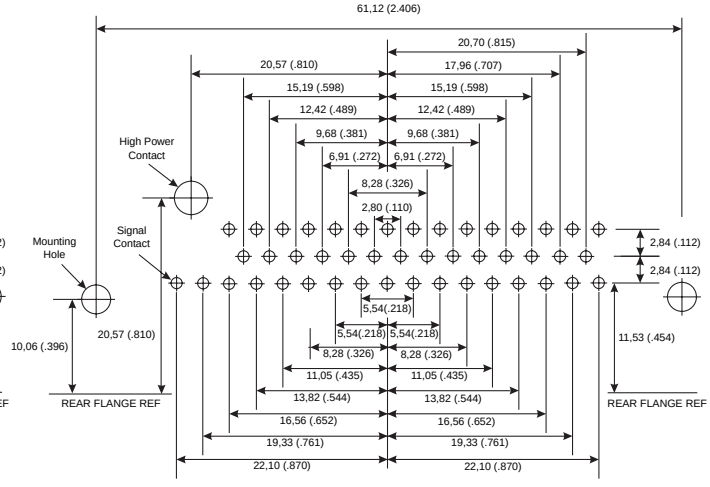
Specifications and dimensions subject to change




| Shell Size | D | D |
|---|---|---|
| Contact Arrangement | 24W7 | 36W4 |
| No. of Size 20 Cavities | 17 #20 | 32 #20 |
| No. of Size 8 Cavities | 7 #8 | 4 #8 |



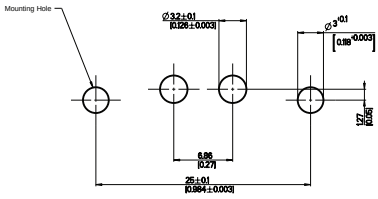

| Shell Size | D | D |
|---|---|---|
| Contact Arrangement | 43W2 | 47W1 |
| No. of Size 20 Cavities | 41 #20 | 46 #20 |
| No. of Size 8 Cavities | 2 #8 | 1 #8 |

| Signal Contact ø | Recommended PCB Hole ø |
|---|---|
| 0,76 (.030) | 1,14 (.045) |

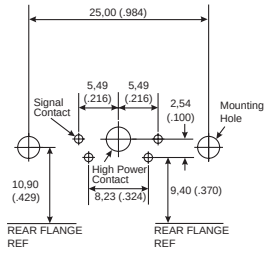
| Mounting Type | Recommended PCB Hole ø |
|---|---|
| Without Boardlock | 3,05 (.120) |
| With Boardlock | 3,10 (.122) |

| Size 8 Contact Type | Recommended PCB Hole ø |
|---|---|
| High Power (H) | 3,56 (.140) |

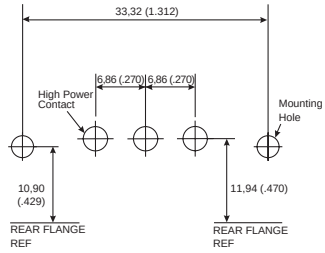
Dimensions shown in mm
Specifications and dimensions subject to change



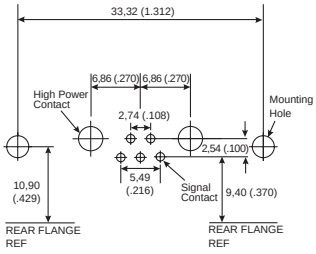

| | |
|---|---|
| Shell Size | E |
| Contact Arrangement | 2W2/2WK2 |
| No. of Size 20 Cavities | 0 #20 |
| No. of Size 8 Cavities | 2 #8 |



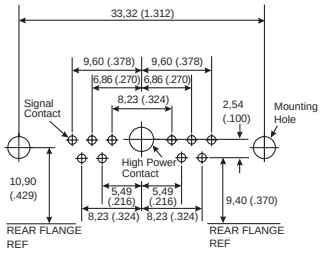

| | |
|---|---|
| Shell Size | E |
| Contact Arrangement | 5W1 |
| No. of Size 20 Cavities | 4 #20 |
| No. of Size 8 Cavities | 1 #8 |



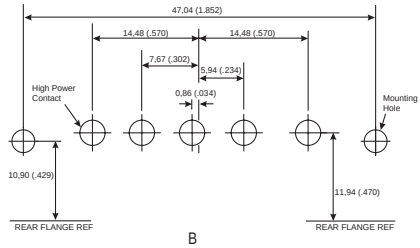

| | |
|---|---|
| Shell Size | A |
| Contact Arrangement | 3W3/3WK3 |
| No. of Size 20 Cavities | 0 #20 |
| No. of Size 8 Cavities | 3 #8 |



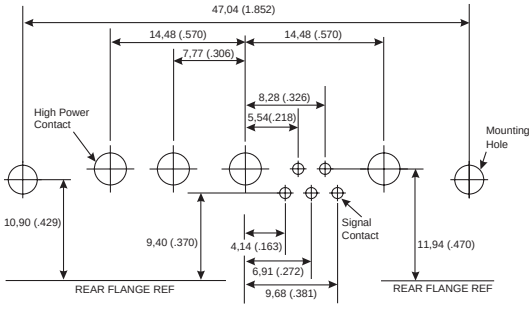

| | |
|---|---|
| Shell Size | A |
| Contact Arrangement | 7W2 |
| No. of Size 20 Cavities | 5 #20 |
| No. of Size 8 Cavities | 2 #8 |



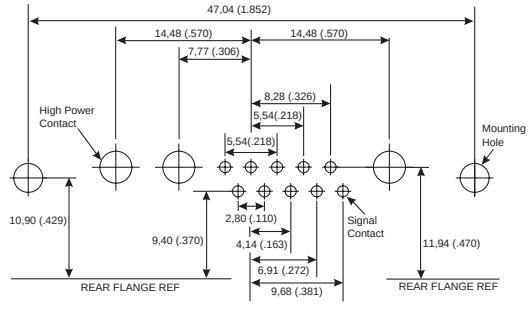

| | |
|---|---|
| Shell Size | A |
| Contact Arrangement | 11W1 |
| No. of Size 20 Cavities | 10 #20 |
| No. of Size 8 Cavities | 1 #8 |



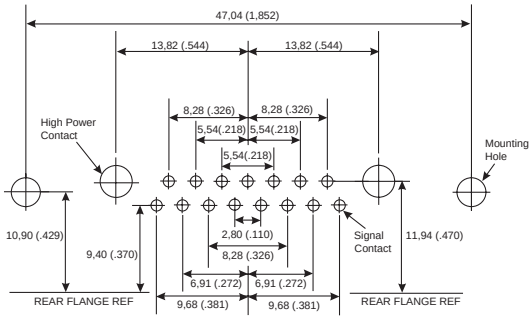

| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 5W5 |
| No. of Size 20 Cavities | 0 #20 |
| No. of Size 8 Cavities | 5 #8 |



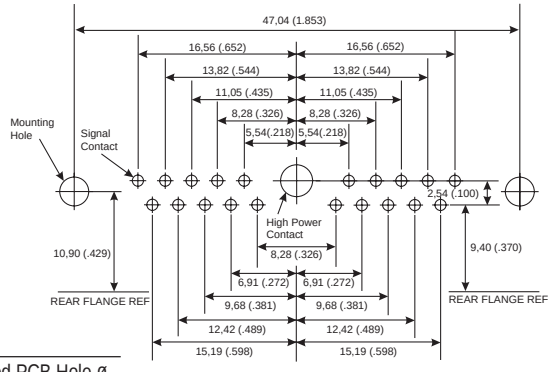

| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 9W4 |
| No. of Size 20 Cavities | 5 #20 |
| No. of Size 8 Cavities | 4 #8 |




| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 13W3 |
| No. of Size 20 Cavities | 10 #20 |
| No. of Size 8 Cavities | 3 #8 |




| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 17W2 |
| No. of Size 20 Cavities | 15 #20 |
| No. of Size 8 Cavities | 2 #8 |




| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 21W1 |
| No. of Size 20 Cavities | 20 #20 |
| No. of Size 8 Cavities | 1 #8 |

| Signal Contact ø | Recommended PCB Hole ø |
|---|---|
| 0,60 (.024) | 1,00 (.039) |

| Mounting Type | Recommended PCB Hole ø |
|---|---|
| Without Boardlock | 3,05 (.120) |
| With Boardlock | 3,10 (.122) |

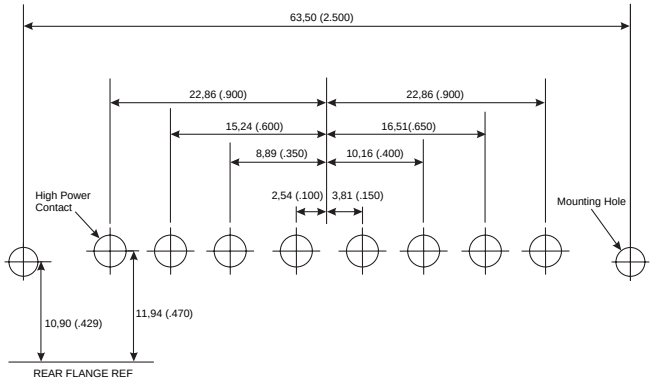
| Size 8 Contact Type | Recommended PCB Hole ø |
|---|---|
| High Power (P) | 3,28 (.129) |

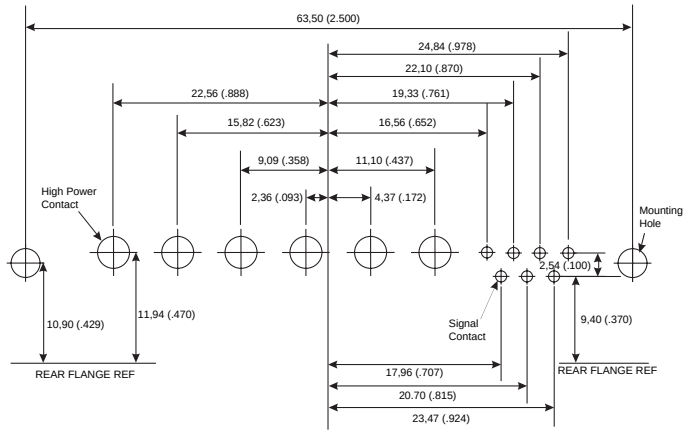
ITT

Dimensions shown in mm

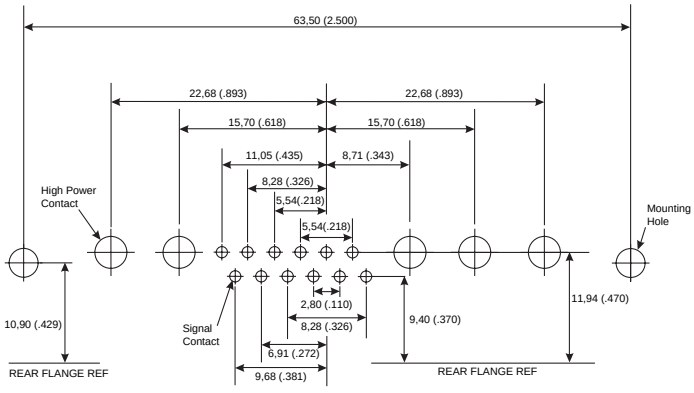
Specifications and dimensions subject to change

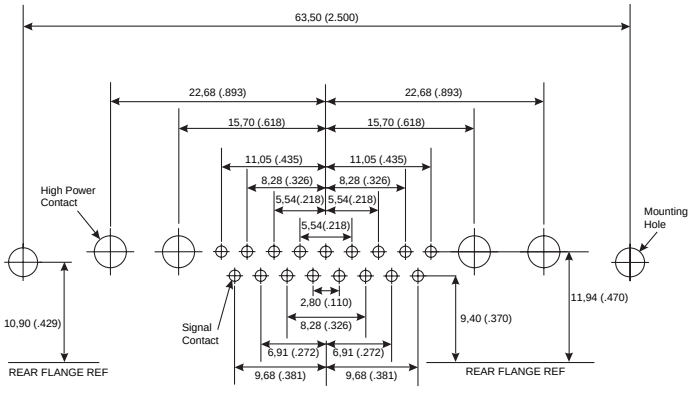
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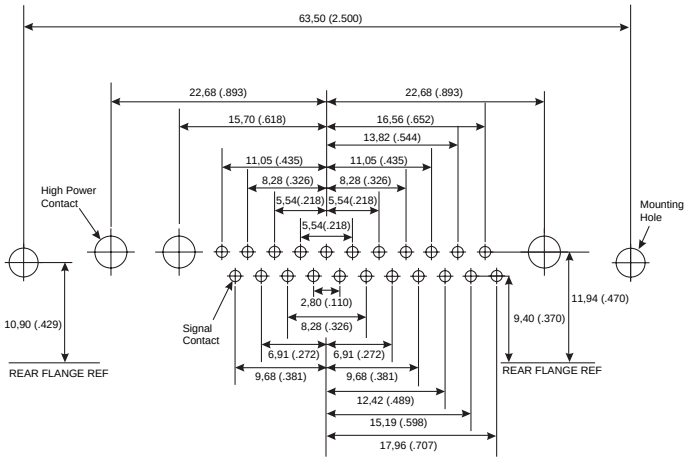



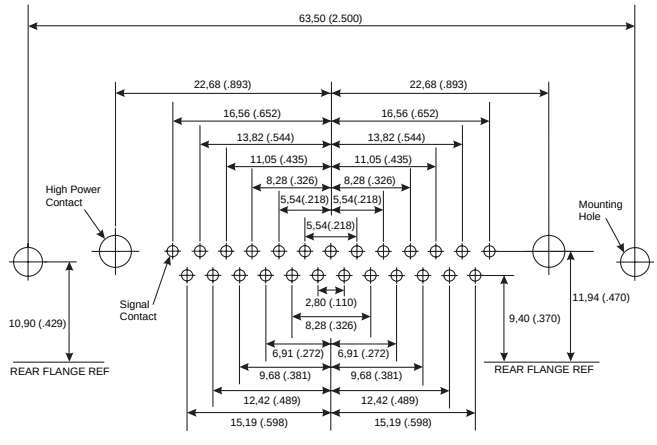

| | | |
|---|---|---|
| Shell Size | C | C |
| Contact Arrangement | 8W8 | 13W6 |
| No. of Size 20 Cavities | 0 #20 | 7 #20 |
| No. of Size 8 Cavities | 8 #8 | 6 #8 |




| | | |
|---|---|---|
| Shell Size | C | C |
| Contact Arrangement | 17W5 | 21WA4 |
| No. of Size 20 Cavities | 12 #20 | 17 #20 |
| No. of Size 8 Cavities | 5 #8 | 4 #8 |



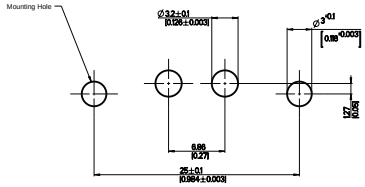

| | | |
|---|---|---|
| Shell Size | C | C |
| Contact Arrangement | 25W3 | 27W2 |
| No. of Size 20 Cavities | 22 #20 | 25 #20 |
| No. of Size 8 Cavities | 3 #8 | 2 #8 |

| Signal Contact ø | Recommended PCB Hole ø |
|---|---|
| 0,60 (.024) | 1,00 (.039) |

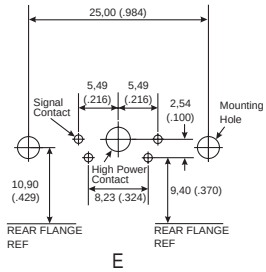
| Mounting Type | Recommended PCB Hole ø |
|---|---|
| Without Boardlock | 3,05 (.120) |
| With Boardlock | 3,10 (.122) |

| Size 8 Contact Type | Recommended PCB Hole ø |
|---|---|
| High Power (P) | 3,28 (.129) |

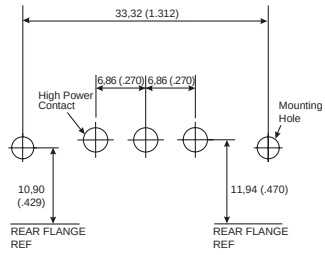
Dimensions shown in mm
Specifications and dimensions subject to change



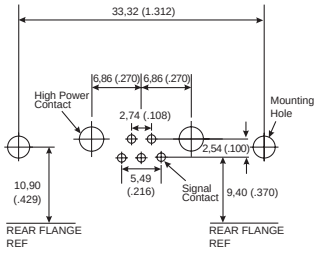

| | |
|---|---|
| Shell Size | E |
| Contact Arrangement | 2W2/2WK2 |
| No. of Size 20 Cavities | 0 #20 |
| No. of Size 8 Cavities | 2 #8 |



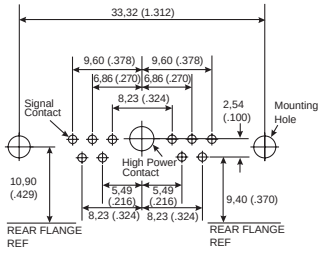

| | |
|---|---|
| Shell Size | E |
| Contact Arrangement | 5W1 |
| No. of Size 20 Cavities | 4 #20 |
| No. of Size 8 Cavities | 1 #8 |



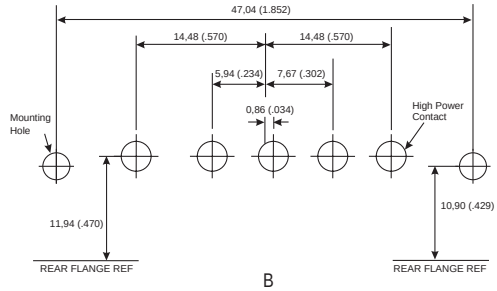

| | |
|---|---|
| Shell Size | A |
| Contact Arrangement | 3W3/3WK3 |
| No. of Size 20 Cavities | 0 #20 |
| No. of Size 8 Cavities | 3 #8 |



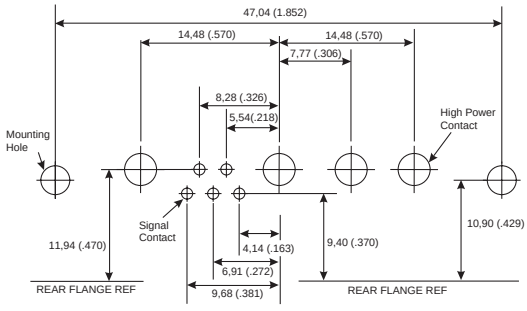

| | |
|---|---|
| Shell Size | A |
| Contact Arrangement | 7W2 |
| No. of Size 20 Cavities | 5 #20 |
| No. of Size 8 Cavities | 2 #8 |



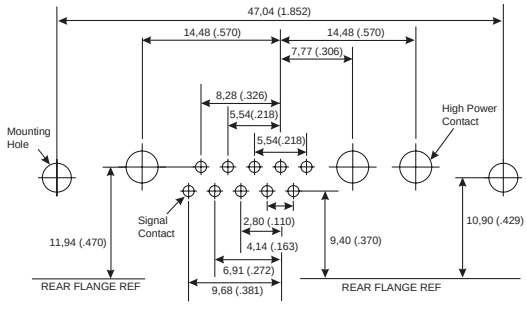

| | |
|---|---|
| Shell Size | A |
| Contact Arrangement | 11W1 |
| No. of Size 20 Cavities | 10 #20 |
| No. of Size 8 Cavities | 1 #8 |



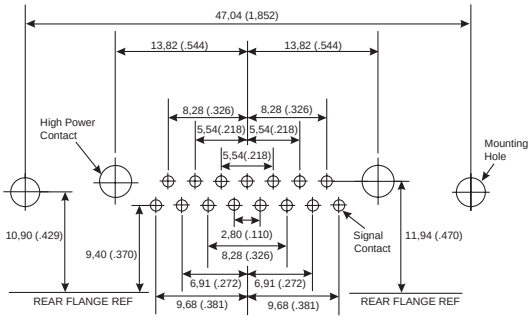

| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 5W5 |
| No. of Size 20 Cavities | 0 #20 |
| No. of Size 8 Cavities | 5 #8 |



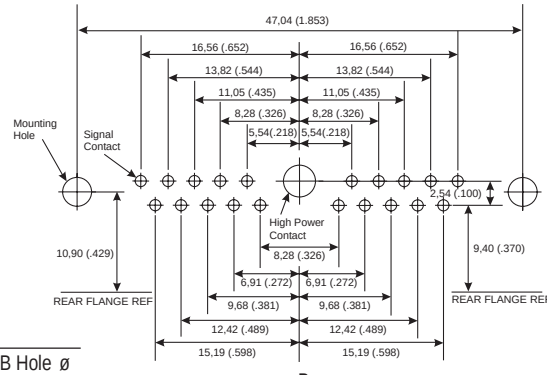

| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 9W4 |
| No. of Size 20 Cavities | 5 #20 |
| No. of Size 8 Cavities | 4 #8 |




| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 13W3 |
| No. of Size 20 Cavities | 10 #20 |
| No. of Size 8 Cavities | 3 #8 |




| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 17W2 |
| No. of Size 20 Cavities | 15 #20 |
| No. of Size 8 Cavities | 2 #8 |




| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 21W1 |
| No. of Size 20 Cavities | 20 #20 |
| No. of Size 8 Cavities | 1 #8 |

| Signal Contact ø | Recommended PCB Hole ø |
|---|---|
| 0,60 (.024) | 1,00 (.039) |

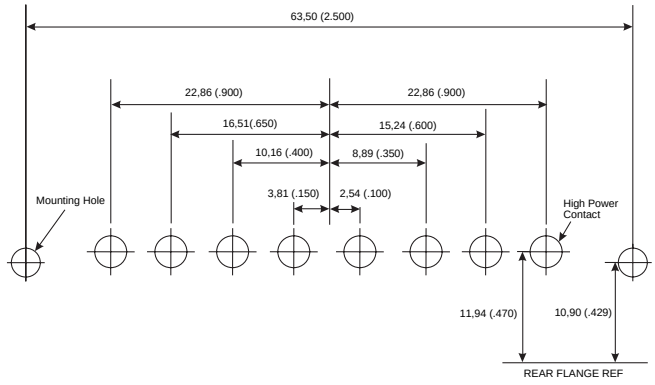
| Mounting Type | Recommended PCB Hole ø |
|---|---|
| Without Boardlock | 3,05 (.120) |
| With Boardlock | 3,10 (.122) |

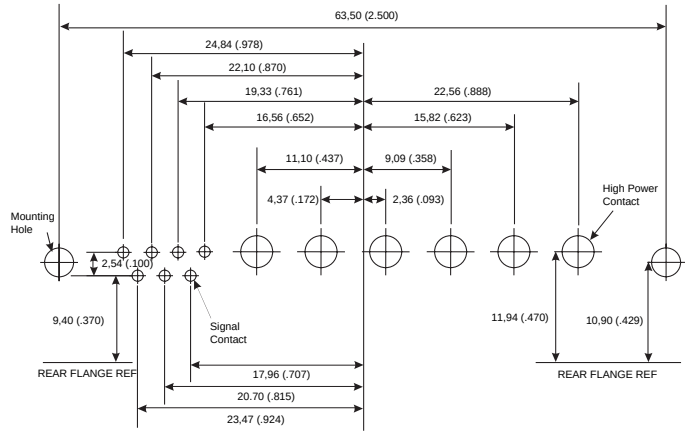
| Size 8 Contact Type | Recommended PCB Hole ø |
|---|---|
| High Power (P) | 3,28 (.129) |

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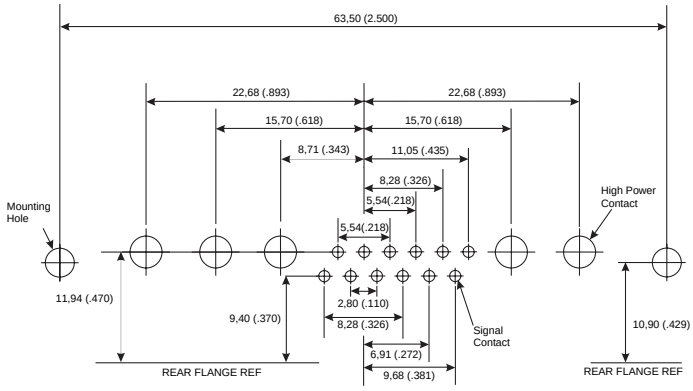
Dimensions shown in mm
Specifications and dimensions subject to change

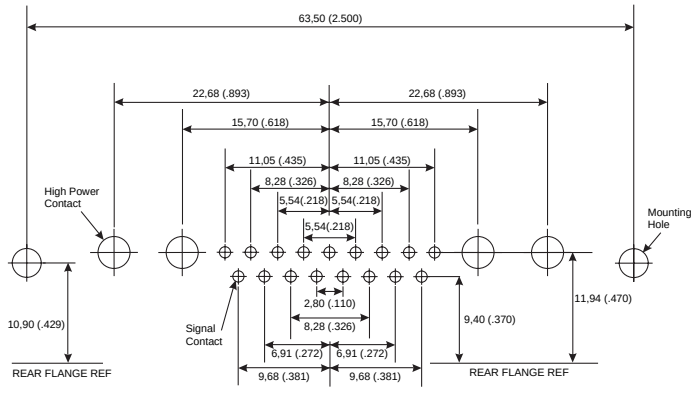
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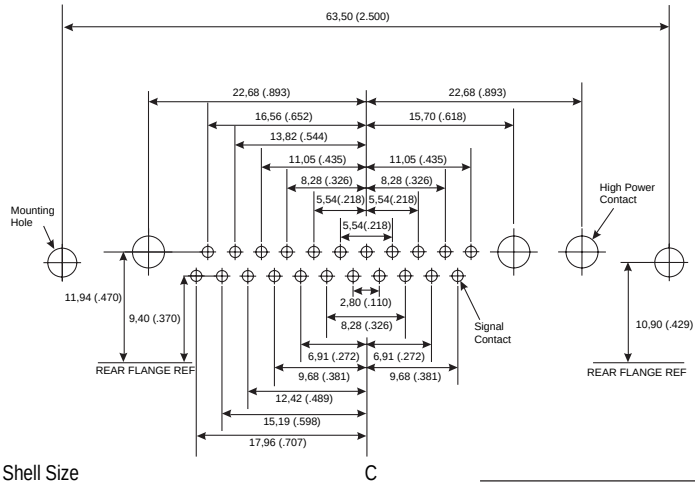



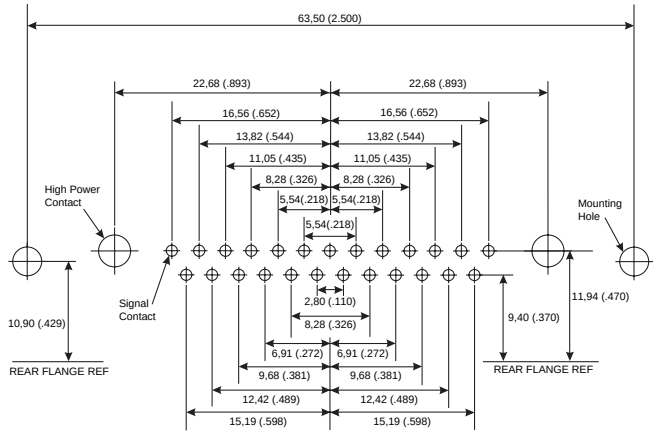

| Shell Size | C | C |
|---|---|---|
| Contact Arrangement | 8W8 | 13W6 |
| No. of Size 20 Cavities | 0 #20 | 7 #20 |
| No. of Size 8 Cavities | 8 #8 | 6 #8 |




| Shell Size | C | C |
|---|---|---|
| Contact Arrangement | 17W5 | 21WA4 |
| No. of Size 20 Cavities | 12 #20 | 17 #20 |
| No. of Size 8 Cavities | 5 #8 | 4 #8 |



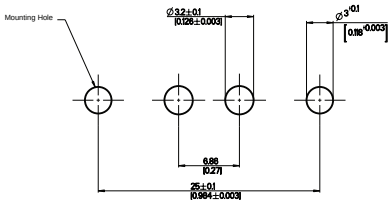

| Shell Size | C | C |
|---|---|---|
| Contact Arrangement | 25W3 | 27W2 |
| No. of Size 20 Cavities | 22 #20 | 25 #20 |
| No. of Size 8 Cavities | 3 #8 | 2 #8 |

| Signal Contact ø | Recommended PCB Hole ø |
|---|---|
| 0,60 (.024) | 1,00 (.039) |

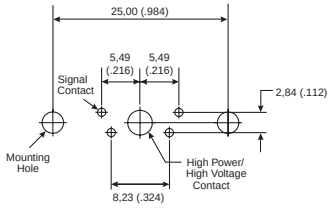
| Mounting Type | Recommended PCB Hole ø |
|---|---|
| Without Boardlock | 3,05 (.120) |
| With Boardlock | 3,10 (.122) |

| Size 8 Contact Type | Recommended PCB Hole ø |
|---|---|
| High Power (P) | 3,28 (.129) |

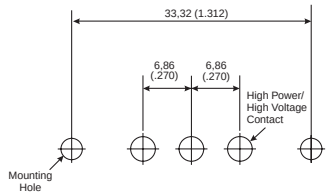
Dimensions shown in mm
Specifications and dimensions subject to change



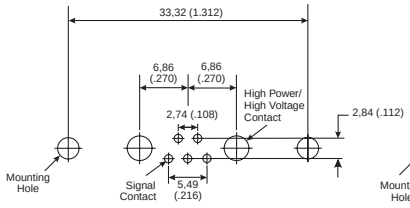

| | |
|---|---|
| Shell Size | E |
| Contact Arrangement | 2W2/2WK2 |
| No. of Size 20 Cavities | 0 #20 |
| No. of Size 8 Cavities | 2 #8 |



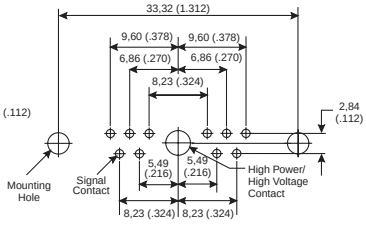

| | |
|---|---|
| Shell Size | E |
| Contact Arrangement | 5W1 |
| No. of Size 20 Cavities | 4 #20 |
| No. of Size 8 Cavities | 1 #8 |



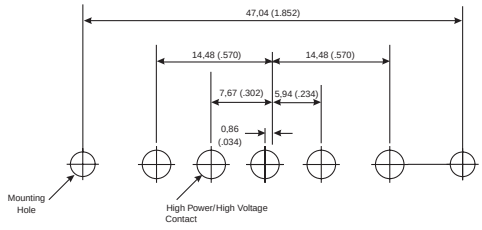

| | |
|---|---|
| Shell Size | A |
| Contact Arrangement | 3W3/3WK3 |
| No. of Size 20 Cavities | 0 #20 |
| No. of Size 8 Cavities | 3 #8 |



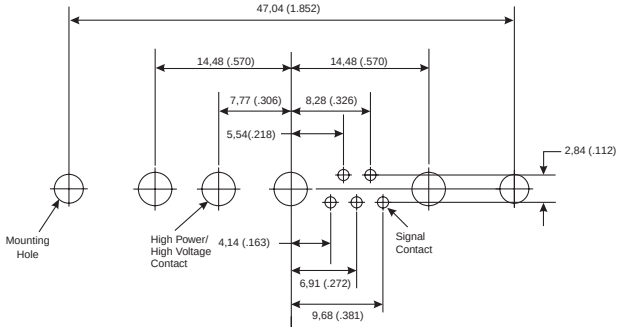

| | |
|---|---|
| Shell Size | A |
| Contact Arrangement | 7W2 |
| No. of Size 20 Cavities | 5 #20 |
| No. of Size 8 Cavities | 2 #8 |



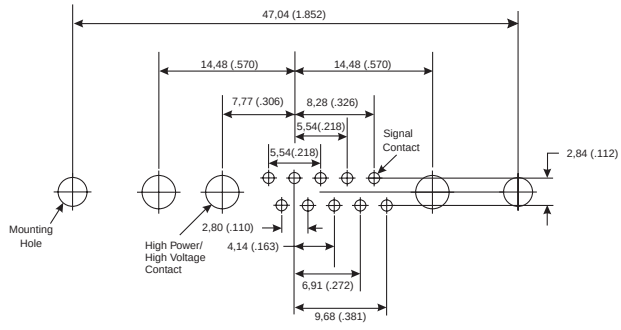

| | |
|---|---|
| Shell Size | A |
| Contact Arrangement | 11W1 |
| No. of Size 20 Cavities | 10 #20 |
| No. of Size 8 Cavities | 1 #8 |



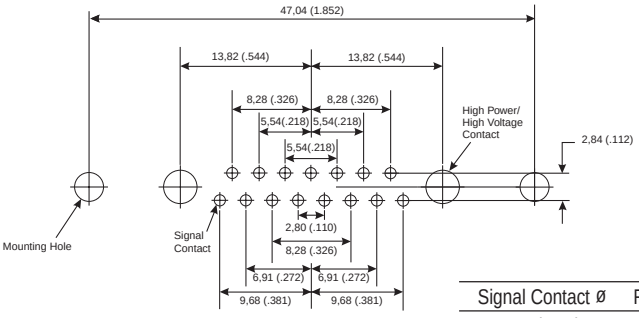

| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 5W5 |
| No. of Size 20 Cavities | 0 #20 |
| No. of Size 8 Cavities | 5 #8 |



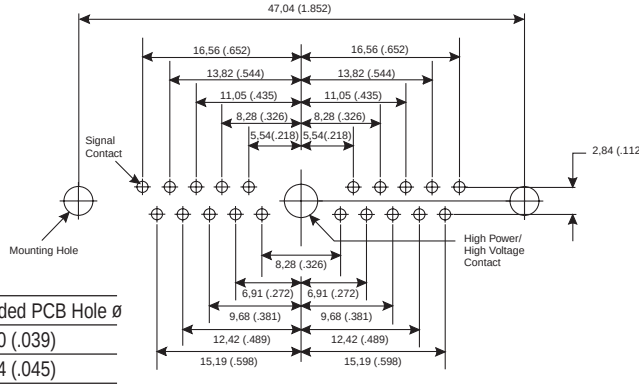

| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 9W4 |
| No. of Size 20 Cavities | 5 #20 |
| No. of Size 8 Cavities | 4 #8 |




| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 13W3 |
| No. of Size 20 Cavities | 10 #20 |
| No. of Size 8 Cavities | 3 #8 |




| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 17W2 |
| No. of Size 20 Cavities | 15 #20 |
| No. of Size 8 Cavities | 2 #8 |




| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 21W1 |
| No. of Size 20 Cavities | 20 #20 |
| No. of Size 8 Cavities | 1 #8 |

| Signal Contact ø | Recommended PCB Hole ø |
|---|---|
| 0,60 (.024) | 1,00 (.039) |
| 0,76 (.030) | 1,14 (.045) |

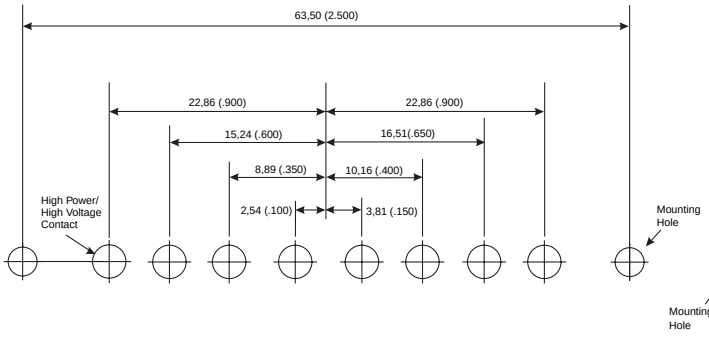
| Mounting Type | Recommended PCB Hole ø |
|---|---|
| Without Boardlock | 3,05 (.120) |
| With Boardlock | 3,10 (.122) |

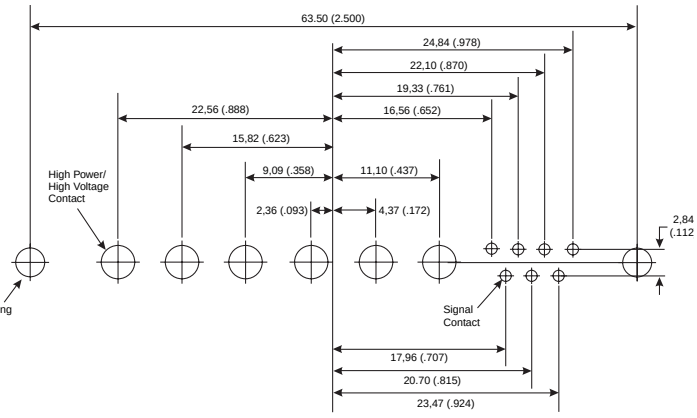
| Size 8 Contact Type | Recommended PCB Hole ø |
|---|---|
| High Power (H) | 3,56 (.140) |
| High Voltage (V) | 1,96 (.077) |

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Dimensions shown in mm
Specifications and dimensions subject to change

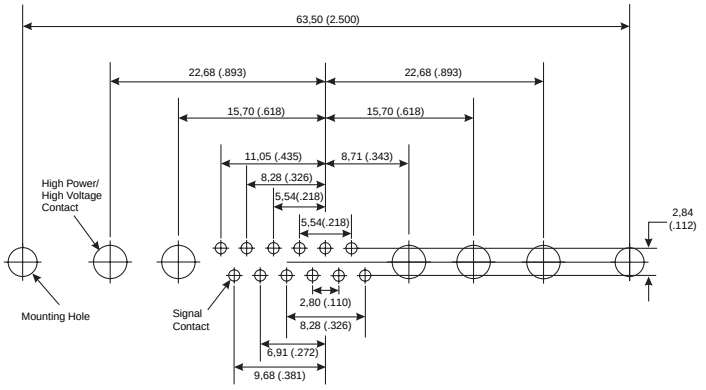
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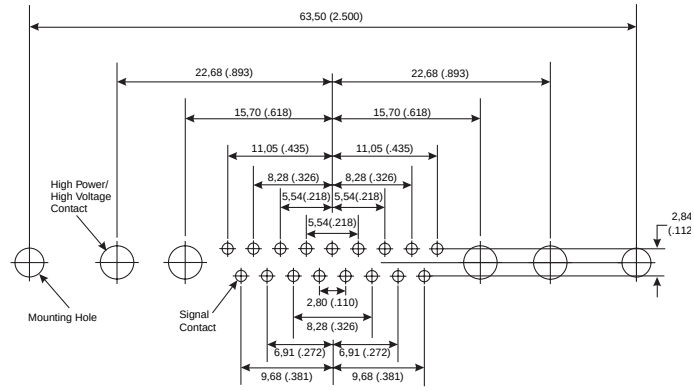



| Shell Size | C |
|---|---|
| Contact Arrangement | 8W8 |
| No. of Size 20 Cavities | 0 #20 |
| No. of Size 8 Cavities | 8 #8 |

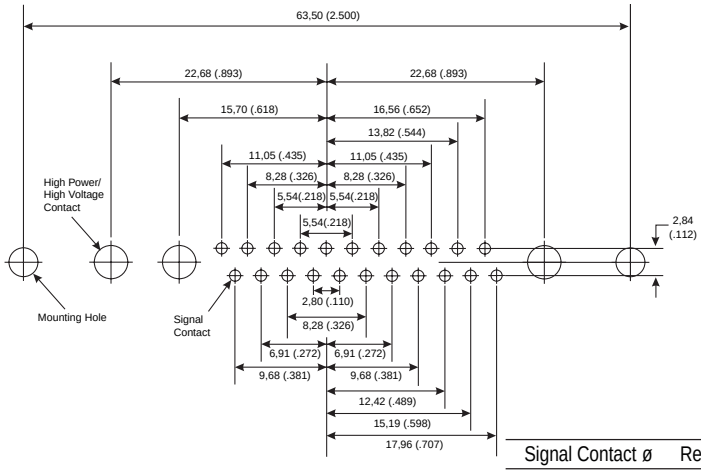
| C |
|---|
| 13W6 |
| 7 #20 |
| 6 #8 |

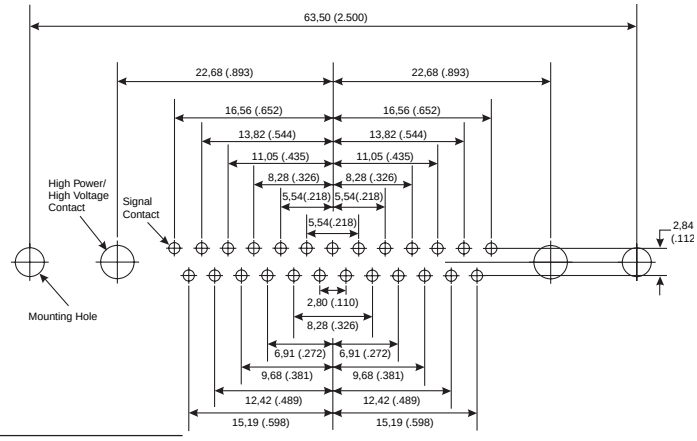



| Shell Size | C |
|---|---|
| Contact Arrangement | 17W5 |
| No. of Size 20 Cavities | 12 #20 |
| No. of Size 8 Cavities | 5 #8 |

| C |
|---|
| 21WA4 |
| 17 #20 |
| 4 #8 |




| Shell Size | C |
|---|---|
| Contact Arrangement | 25W3 |
| No. of Size 20 Cavities | 22 #20 |
| No. of Size 8 Cavities | 3 #8 |

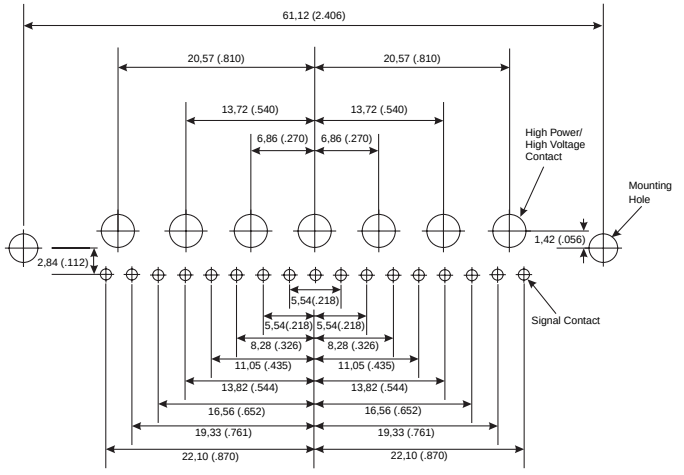
| C |
|---|
| 27W2 |
| 25 #20 |
| 2 #8 |

| Signal Contact ø | Recommended PCB Hole ø |
|---|---|
| 0,60 (.024) | 1,00 (.039) |
| 0,76 (.030) | 1,14 (.045) |

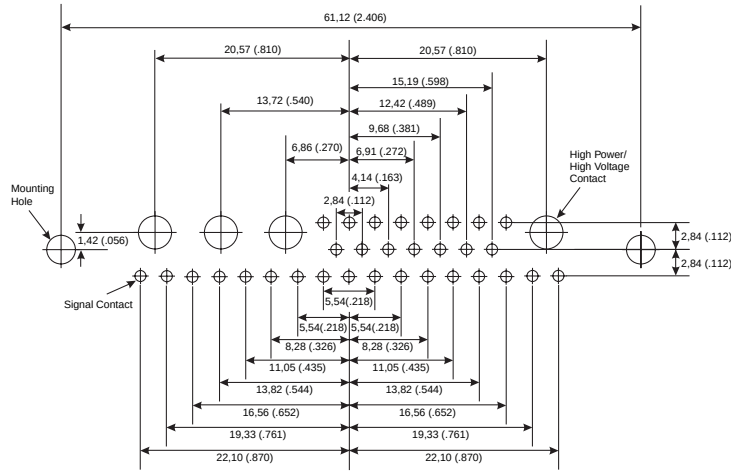
| Mounting Type | Recommended PCB Hole ø |
|---|---|
| Without Boardlock | 3,05 (.120) |
| With Boardlock | 3,10 (.122) |

| Size 8 Contact Type | Recommended PCB Hole ø |
|---|---|
| High Power (H) | 3,56 (.140) |
| High Voltage (V) | 1,96 (.077) |

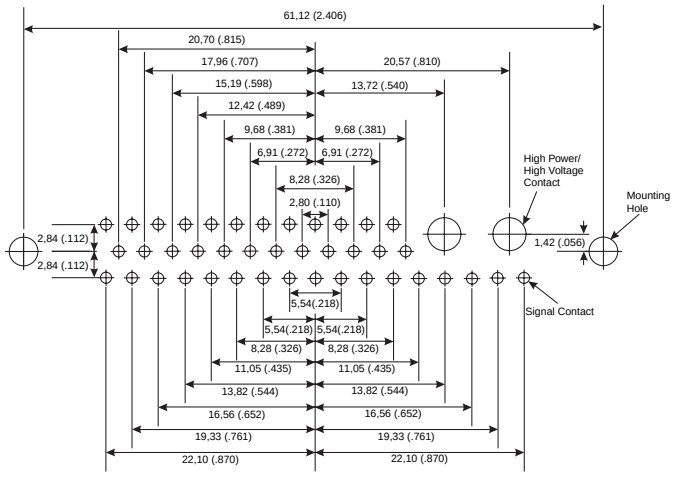
Dimensions shown in mm
Specifications and dimensions subject to change



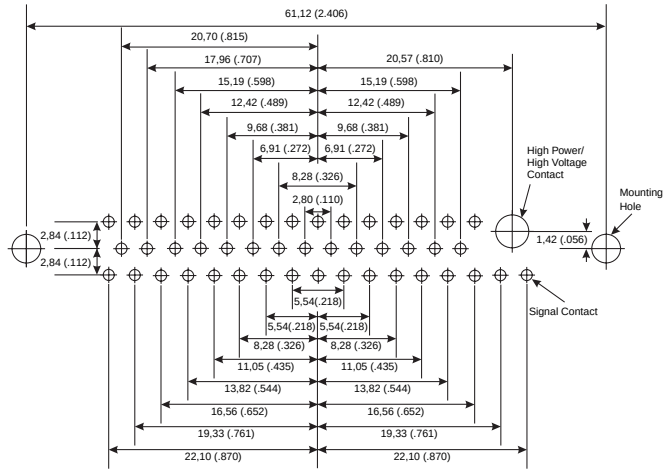

| | |
|---|---|
| Shell Size | D |
| Contact Arrangement | 24W7 |
| No. of Size 20 Cavities | 17 #20 |
| No. of Size 8 Cavities | 7 #8 |




| | |
|---|---|
| D | |
| 36W4 | |
| 32 #20 | |
| 4 #8 | |




| | |
|---|---|
| Shell Size | D |
| Contact Arrangement | 43W2 |
| No. of Size 20 Cavities | 41 #20 |
| No. of Size 8 Cavities | 2 #8 |

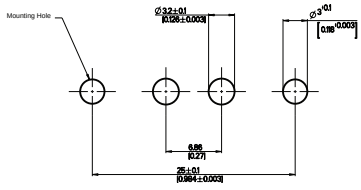



| | |
|---|---|
| D | |
| 47W1 | |
| 46 #20 | |
| 1 #8 | |

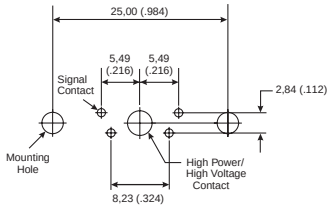
| Signal Contact ø | Recommended PCB Hole ø |
|---|---|
| 0,60 (.024) | 1,00 (.039) |
| 0,76 (.030) | 1,14 (.045) |

| Mounting Type | Recommended PCB Hole ø |
|---|---|
| Without Boardlock | 3,05 (.120) |
| With Boardlock | 3,10 (.122) |

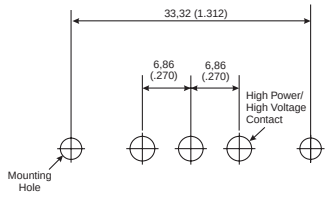
| Size 8 Contact Type | Recommended PCB Hole ø |
|---|---|
| High Power (H) | 3,56 (.140) |
| High Voltage (V) | 1,96 (.077) |



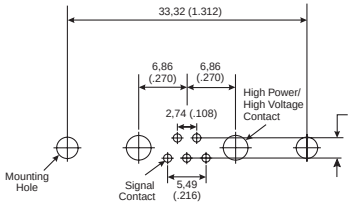

| | |
|---|---|
| Shell Size | E |
| Contact Arrangement | 2W2/2WK2 |
| No. of Size 20 Cavities | 0 #20 |
| No. of Size 8 Cavities | 2 #8 |



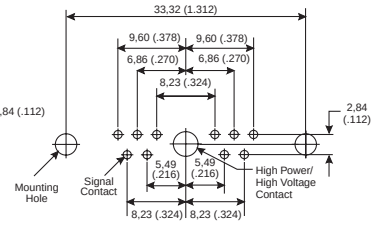

| | |
|---|---|
| Shell Size | E |
| Contact Arrangement | 5W1 |
| No. of Size 20 Cavities | 4 #20 |
| No. of Size 8 Cavities | 1 #8 |



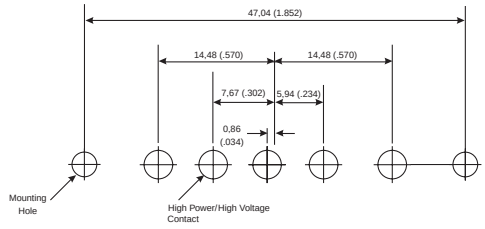

| | |
|---|---|
| Shell Size | A |
| Contact Arrangement | 3W3/3WK3 |
| No. of Size 20 Cavities | 0 #20 |
| No. of Size 8 Cavities | 3 #8 |



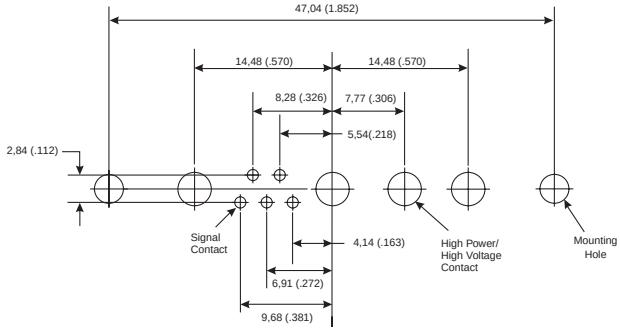

| | |
|---|---|
| Shell Size | A |
| Contact Arrangement | 7W2 |
| No. of Size 20 Cavities | 5 #20 |
| No. of Size 8 Cavities | 2 #8 |



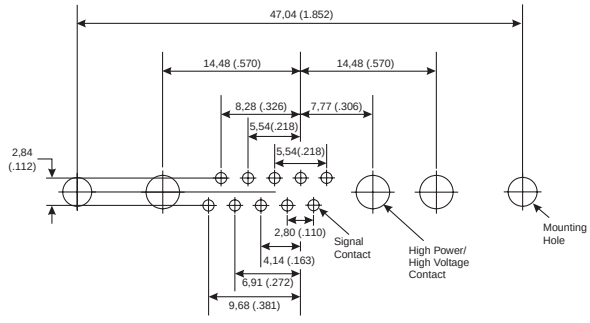

| | |
|---|---|
| Shell Size | A |
| Contact Arrangement | 11W1 |
| No. of Size 20 Cavities | 10 #20 |
| No. of Size 8 Cavities | 1 #8 |



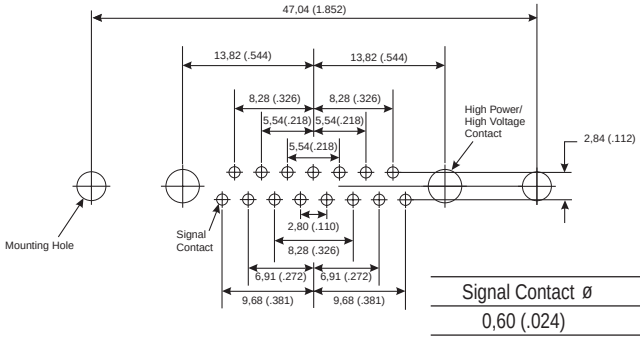

| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 5W5 |
| No. of Size 20 Cavities | 0 #20 |
| No. of Size 8 Cavities | 5 #8 |




| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 9W4 |
| No. of Size 20 Cavities | 5 #20 |
| No. of Size 8 Cavities | 4 #8 |




| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 13W3 |
| No. of Size 20 Cavities | 10 #20 |
| No. of Size 8 Cavities | 3 #8 |

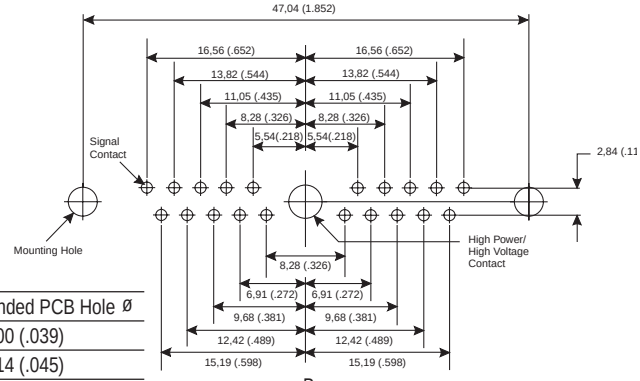



| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 17W2 |
| No. of Size 20 Cavities | 15 #20 |
| No. of Size 8 Cavities | 2 #8 |

| Signal Contact ø | Recommended PCB Hole ø |
|---|---|
| 0,60 (.024) | 1,00 (.039) |
| 0,76 (.030) | 1,14 (.045) |

| Mounting Type | Recommended PCB Hole ø |
|---|---|
| Without Boardlock | 3,05 (.120) |
| With Boardlock | 3,10 (.122) |

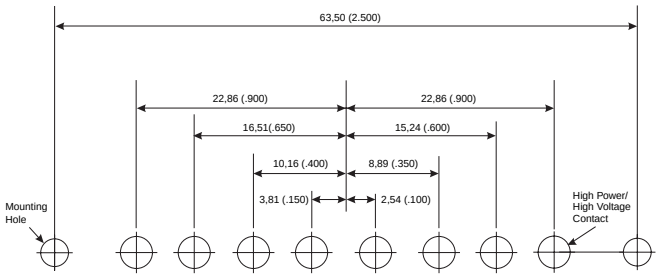
| Size 8 Contact Type | Recommended PCB Hole ø |
|---|---|
| High Power (H) | 3,56 (.140) |
| High Voltage (V) | 1,96 (.077) |



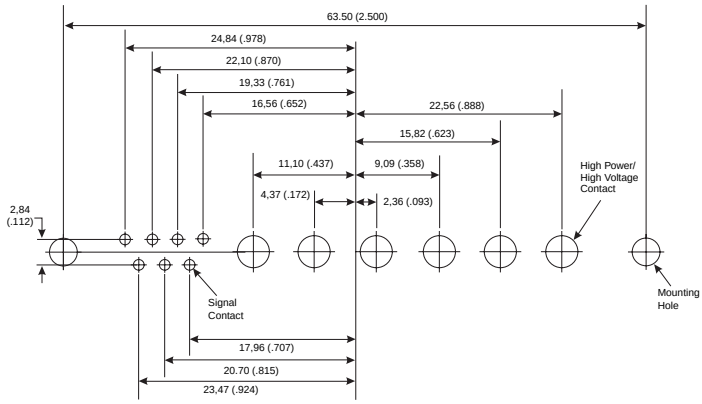

| | |
|---|---|
| Shell Size | B |
| Contact Arrangement | 21W1 |
| No. of Size 20 Cavities | 20 #20 |
| No. of Size 8 Cavities | 1 #8 |

Dimensions shown in mm
Specifications and dimensions subject to change

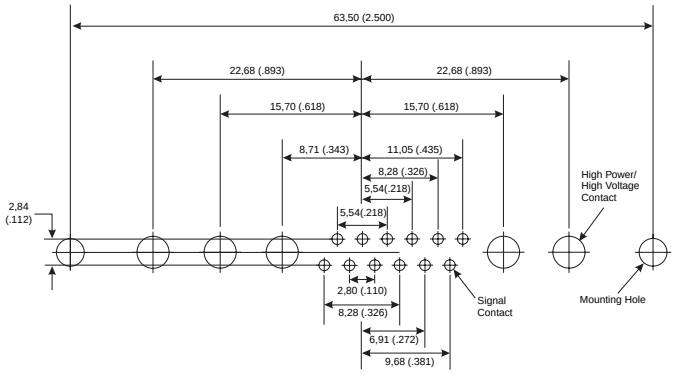
www.ittcannon.com



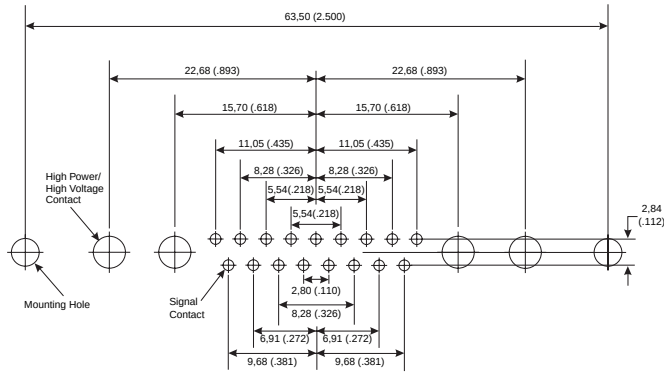

| | |
|---|---|
| Shell Size | C |
| Contact Arrangement | 8W8 |
| No. of Size 20 Cavities | 0 #20 |
| No. of Size 8 Cavities | 8 #8 |



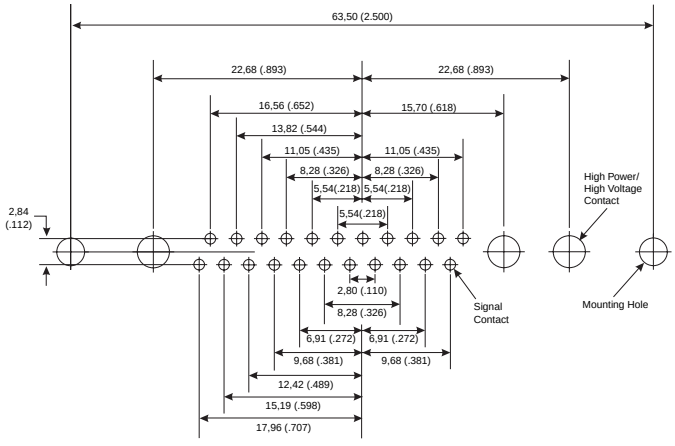

| | |
|---|---|
| C | |
| 13W6 | |
| 7 #20 | |
| 6 #8 | |



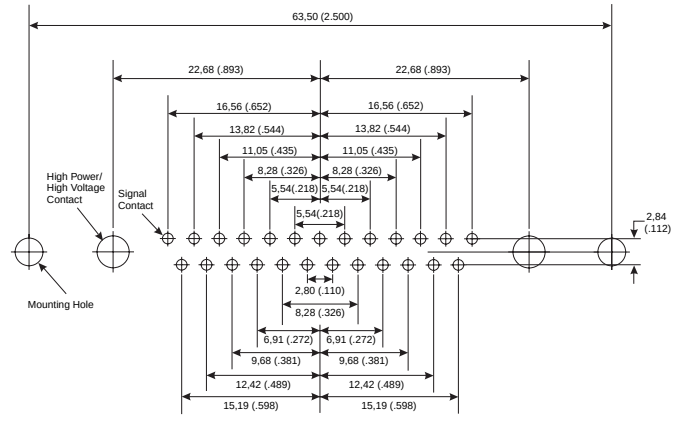

| | |
|---|---|
| Shell Size | C |
| Contact Arrangement | 17W5 |
| No. of Size 20 Cavities | 12 #20 |
| No. of Size 8 Cavities | 5 #8 |




| | |
|---|---|
| C | |
| 21WA4 | |
| 17 #20 | |
| 4 #8 | |




| | |
|---|---|
| Shell Size | C |
| Contact Arrangement | 25W3 |
| No. of Size 20 Cavities | 22 #20 |
| No. of Size 8 Cavities | 3 #8 |




| | |
|---|---|
| C | |
| 27W2 | |
| 25 #20 | |
| 2 #8 | |

| Signal Contact ø | Recommended PCB Hole ø |
|---|---|
| 0,60 (.024) | 1,00 (.039) |
| 0,76 (.030) | 1,14 (.045) |

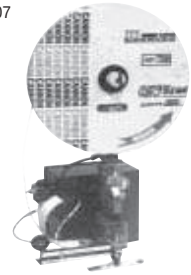
| Mounting Type | Recommended PCB Hole ø |
|---|---|
| Without Boardlock | 3,05 (.120) |
| With Boardlock | 3,10 (.122) |

| Size 8 Contact Type | Recommended PCB Hole ø |
|---|---|
| High Power (H) | 3,56 (.140) |
| High Voltage (V) | 1,96 (.077) |

## Automatic/Semi-Automatic Tooling

ITT Cannon can provide automatic and semi-automatic tooling for automated stripping and crimping of contacts for insertion. Please contact your local ITT Cannon representative for more information.

ABT-607



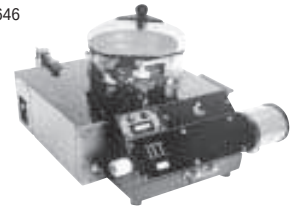
Products: D*A, MDSM, 75 Ohm Crimp Coax

ABT-620 UCCS



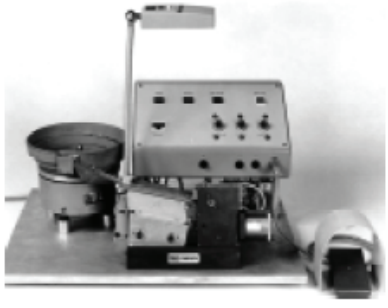
Products: D*A, MDSM

CBT-646



Products: D*MA

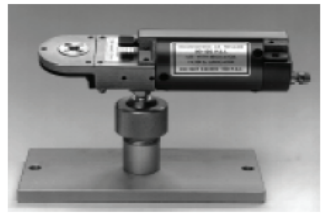
HACS-2-DA



CCT-DA



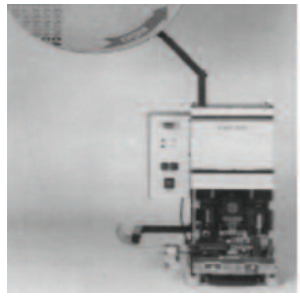
CBT-565



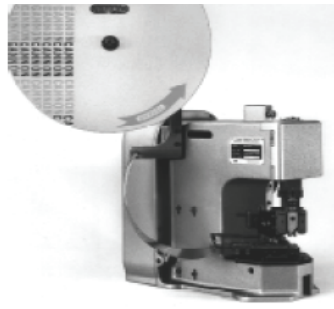
M22520-2-01



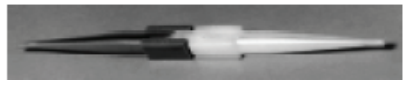
ACT2500/3500



4510



CIET-20-HDL



CET-20-D



Dimensions shown in mm
Specifications and dimensions subject to change

## Obsolete Products

General Application Connectors ♦

| | | | | | |
|---|---|---|---|---|---|
| D*C | *Burgun D* with snap-in, rear release machined or stamped crimp contacts. Refer to D*U products. | D*PF | Straight and 90° PCB applications, UL 94V-0 rated. Refer to D* products. | D*11148<br>D*(SMT) | SMT – Surface Mount D, no replacement, only through holes available. Refer to ZED* products. |
| D*P | 90º connectors for I/O applications, UL 94V-0 rated. Refer to D*U products | AD* | Part number change only. Refer to ZD* products. Replace “A” with “Z” for current part number. | D*P1 | Machined pressfit replaced by stamped pressfit. Refer to D*NG products. |
| | | | | D*TC | Part number change only. Refer to D* products. |

## Available Products Not Listed Within This Publication

General Application Connectors ♦

| | | | |
|---|---|---|---|
| D*U | *Burgun D* with snap-in, rear release machined or stamped crimp contacts, UL 94V-0 rated. | D*MA | Military specification quality removable crimp style contacts for high performance applications. |
| D*SF | *Speedy D* for IDC ribbon cable, UL 94V-0 rated, accomodates Sizes 28-26 AWG cable on 1,27 (.050) conductor spacing. | ZD* | Low cost, stamped contacts, high density 90° PCB connectors. |
| | | D*M | Standard 9, 15, 25, 37 and 50 position layouts machined contacts. |

Special Application Connectors ♦ ♦

| | |
|---|---|
| GD* | *Grommet D* environmentally sealed, crimp, snap-in, rear release contacts. |
| D*D | Environmentally sealed, cast aluminium shell. Product not intermatable with M24308-type D Subminiature connectors. |

♦ Commercial Applications Only

♦ ♦ Military or Commercial Applications

Consult factory for details.

**1. MATERIAL CONTENT AND PHYSICAL FORM**

Electrical connectors do not usually contain hazardous materials. They contain conducting and non-conducting materials and can be divided into two groups.

a) Printed circuit types and low cost audio types which employ all plastic insulators and casings.

b) Rugged, Fire Barrier and High Reliability types with metal casings and either natural rubber, synthetic rubber, plastic or glass insulating materials. Contact materials vary with type of connector and also application and are usually manufactured from either: Copper, copper alloys, nickel, alumel, chromel or steel. In special applications, other alloys may be specified.

**2. FIRE CHARACTERISTICS AND ELECTRIC SHOCK HAZARD**

**There is no fire hazard when the connector is correctly wired and used within the specified parameters. Incorrect wiring or assembly of the connector or careless use of metal tools or conductive fluids, or transit damage to any of the component parts may cause electric shock or burns. Live circuits must not be broken by separating mated connectors as this may cause arcing, ionization and burning.** Heat dissipation is greater at maximum resistance in a circuit. Hot spots may occur when resistance is raised locally by damage, e.g. cracked or deformed contacts, broken strands of wire. Local overheating may also result from the use of the incorrect application tools or from poor quality soldering or slack screw terminals. Overheating may occur if the ratings in the product Data Sheet/Catalog are exceeded and can cause breakdown of insulation and hence electric shock. If heating is allowed to continue it intensifies by further increasing the local resistance through loss of temper of spring contacts, formation of oxide film on contacts and wires and leakage currents through carbonization of insulation and tracking paths. Fire can then result in the presence of combustible materials and this may release noxious fumes. Overheating may not be visually apparent. Burns may result from touching overheated components.

**3. HANDLING**

Care must be taken to avoid damage to any component parts of electrical connectors during installation and use. Although there are normally no sharp edges, care must be taken when handling certain components to avoid injury to fingers. Electrical connectors may be damaged in transit to the customers, and damage may result in creation of hazards. Products should therefore be examined prior to installation/use and rejected if found to be damaged.

**4. DISPOSAL**

Incineration of certain materials may release noxious or even toxic fumes.

**5. APPLICATION**

Connectors with exposed contacts should not be selected for use on the current supply side of an electrical circuit, because an electric shock could result from touching exposed contacts on an unmated connector. Voltages in excess of 30 V ac or 42.5 V dc are potentially hazardous and care should be taken to ensure that such voltages cannot be transmitted in any way to exposed metal parts of the connector body. The connector and wiring should be checked, before making live, to have no damage to metal parts or insulators, no solder blobs, loose strands, conducting lubricants, swarf, or any other undesired conducting particles. Circuit resistance and continuity check should be made to make certain that there are no high resistance joints or spurious conducting paths. Always use the correct application tools as specified in the Data Sheet/Catalog. Do not permit untrained personnel to wire, assemble or tamper with connectors. For operation voltage please see appropriate national regulations.

**IMPORTANT GENERAL INFORMATION**

**(i) Air and creepage paths/Operating voltage.** The admissible operating voltages depend on the individual applications and the valid national and other applicable safety regulations.

For this reason the air and creepage path data are only reference values. Observe reduction of air and creepage paths due to PC board and/or harnessing.

**(ii) Temperature**

All information given are temperature limits. The operation temperature depends on the individual application.

**(iii) Other important information**

Cannon continuously endeavors to improve their products. Therefore, Cannon products may deviate from the description, technical data and shape as shown in this catalog and data sheets.

ITT Cannon, a Division of ITT Inc., manufactures the highest quality products available in the marketplace; however these products are intended to be used in accordance with the specifications in this publication. Any use or application that deviates from the stated operating specifications is not recommended and may be unsafe. No information and data contained in this publication shall be construed to create any liability on the part of Cannon. Any new issue of this publication shall automatically invalidate and supersede any and all previous issues.

**ITAR**

*Commodities in this catalog may be controlled for export by the International Traffic in Arms Regulations (ITAR) and Export Administration Regulations (EAR) when specifically designed modified, or configured for articles ctrolled by the United States Government.*



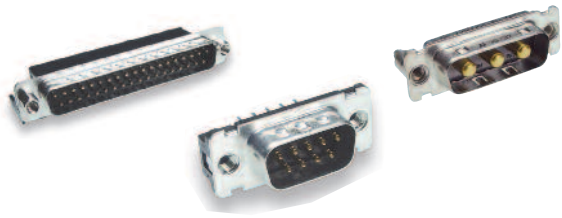
## Circular/Filter/Hermetic Connectors

As a world leader in circular, filter, and hermetic connectors, ITT can leverage its design and manufacturing expertise to fit virtually any application. Our expertise includes fast positive mating for a wide range of military applications, as well as numerous sizes and contact configurations for various harsh environments.



## D-Subminiature Connectors

Cannon invented D-sub connectors in 1952. Our family of D-Subs now includes combinations of signal, power and RF, as well as severe service sealed connectors. Cannon D-Subs are available with an extensive line of backshells and accessories and are one of the most economical shielded connector solutions available.



## Fiber Optic Connectors and Cable Assemblies

Cannon fiber optic solutions provide an excellent performance/ cost value. Performance may be tailored to the end system, with our use of superior materials and bonding agents providing highly effective solutions. Our wide variety of products include fiber optic hybrid contacts, multi-channel, rack and panel and hi-rel assemblies.



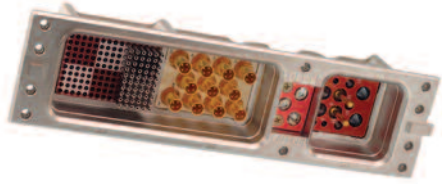
## Microminiature Connectors

Developed first by Cannon in the 1960s, Microminiature Connectors offer high performance and reliability with exceptional versatility. Available in rectangular, circular and strip-style configurations for countless applications, many of our highly engineered Microminiature connector products meet critical customer demands in multiple applications across the Aerospace & Defense industry.



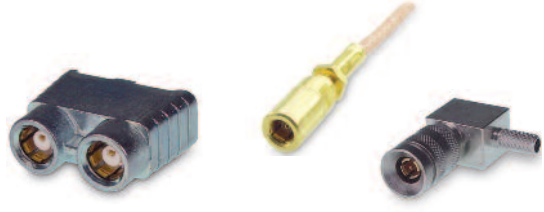
## Rack and Panel Connectors

Pioneered by Cannon during the 1930s, our Rack & Panel Connectors offer an unmatched variety of shell configurations and insert arrangements, as well as materials, plating and contact options. Today, we are recognized as an industry leader, offering an unparalleled range of off-the-shelf and custom Rack & Panel products to align with customer needs.



## RF Connectors

ITT Cannon has been providing interconnect products to the Microwave and RF industry since 1963 (formerly The Sealectro Corporation). The RF 50 & 75 Ohm product lines cover UHF band through Ku band requirements. These connectors and cable assemblies are available with a thread type, snap type, bayonet type or slide on coupling method. The frequencies range from DC to 18+ GHz.



ITT Cannon is a leading global manufacturer of connector products serving international customers in the aerospace and defense, medical, energy, transportation and industrial end markets. Whether delivering critical specs to aircraft pilots, streaming data through communications satellites or enabling ultrasound technology that gives an expectant mother the first glimpse of her unborn child, Cannon connects the world's most important information with the people who need it. **To learn more, visit www.ittcannon.com**

ITT

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