D*NG - Straight Pressfit Termination

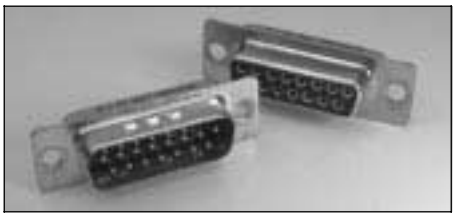
See pages 4-5.

The D*NG is based upon the specification CECC75-301-802. These connectors provide a low-cost alternative to traditional through hole solder contacts. Utilizing stamped ''Eye of the Needle'' compliant contact tails per IEC-352-5, the parts are quickly and easily mounted onto PCBs without soldering, crimping or specialized tooling. The socket contact engaging area utilizes a ''spoon'' shape with four points of interconnection. Hardware options provide flexibility and ensure that the final product fits the electrical requirements of any application.

Product Features

Quick and easy press-in installation without specialized tooling
''Spoon'' socket contact provides improved interface compared to ''Tuning Fork''
Closed-entry socket for secure blind mating
Front-shell only design based on CECC 75-301-802
''Eye of the Needle'' compliant contact tails
Press-in bolt for ground continuity
#4-40 UNC and M3 hardware options

D*M Straight Solder Termination (Machined) — Standard PC Tails



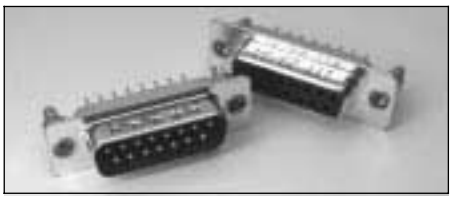
See pages 6-7.

D*M straight PCB connectors, equivalent to MIL-C-24308 qualified versions (except for finishes) for printed circuit boards and backplanes in demanding applications. Additional contact lengths, hardware and finish options available; consult factory for details.

Product Features

7.5 A current capacity
Machined contacts
2 contact finishes
Optional vertical standoffs, screw locks, and boardlocks (4 prongs)
UL file number E8572
Dimensionally compatible with Combo D®

ZD* - Straight Solder Termination (Stamped)



See pages 8-9.

ZD* straight connectors are available for applications where price is the primary driver. They are available with or without boardlocks and screw locks.

Product Features

Stamped contacts with 5 A current capacity
Economical
Optional vertical standoffs with optional harpoon style boardlocks or screw locks

D* - Straight Solder Termination (Machined) — European PC Tails

See pages 10-11.

D* straight connectors are available for high performance uses according to DIN 41652. Available with European length OL contacts.

Select contact finish from 2 performance classes.

Product Features

High performance commercial connectors
Two contact finish performance classes
Optional vertical standoffs, threaded inserts and pushfits/boardlocks
OL2 contact length, other lengths available
Tin plated contact PC tails (pin & socket)
Machined contacts

D* - Wrap Post Termination

See pages 12-13.

D* straight connectors are available for high performance uses according to DIN 41652. Contacts available in two popular lengths.

Product Features

High performance commercial class connectors
Two contact lengths for 2 or 3 wraps
Machined contacts

Specifications

Current Rating	5 A / 25°C, 3.5 A / 70°C ambient
Temperature Rating	−55°C to 125°C
Contact Resistance	10 mΩ
Test Voltage	1200 Vrms at Sea Level
∅ Plated Through Hole	1,09 - 0,94 (.043 - .037)
PC Tail Press-in Force	100N/contact max.
PC Tail Push-out Force	30N/contact min.
PC Board Thickness	3,20 - 1,60 (.125 - .062)

Materials and Finishes

Description	Material	Finish
Shell	Steel	Tin
Insulator	Thermoplastic, UL 94V-0	None (color: black)
Contact	Copper Alloy	Gold over Nickel (Standard) or Gold over PdNi (-408)
Hardware	Steel/Copper Alloy	Tin/Zinc

Specifications

Temperature Rating	−55°C to 125°C
Current Rating	7.5 A
Contact Resistance	55 millivolt max at 7.5 A test current
Dielectric Withstanding Voltage	1000 VAC at Sea Level

Materials and Finishes

Description	Material	Finish
Shell	Steel	Tin
Insulator	Thermoplastic, UL 94V-0	None (color: dark green)
Contact	Copper Alloy	Gold over Nickel. Terminating end Tin (Socket only)
Hardware	Steel/Copper Alloy	Tin/Zinc

Specifications

Temperature Rating	−55°C to 105°C
Current Rating	5 A
Contact Resistance	15 mΩ
Dielectric Withstanding Voltage	1000 VAC at Sea Level

Materials and Finishes

Description	Material	Finish
Shell	Steel	Tin
Insulator	Thermoplastic, UL 94-0	None (color: black)
Contacts	Copper Alloy	Gold over Nickel
Hardware	Steel/Copper Alloy	Tin/Zinc

Specifications

Temperature Rating	−55°C to 125°C
Current Rating	5 A
Contact Resistance	10 mΩ
Dielectric Withstanding Voltage	1250 VAC at Sea Level

Materials and Finishes

Description	Material	Finish
Shell	Steel	Tin
Insulator	Thermoplastic, UL 94V-0	None (color: dark green)
Contacts	Copper Alloy	Gold over Nickel in mating area, Tin on balance
Hardware	Steel/Copper Alloy	Tin/Zinc

Specifications

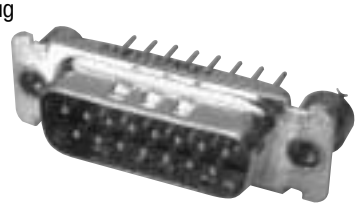
Temperature Rating	−55°C to 125°C
Current Rating	5 A
Contact Resistance	10 mΩ
Dielectric Withstanding Voltage	1250 VAC at Sea Level

Materials and Finishes

Description	Material	Finish
Shell	Steel	Tin
Insulator	Thermoplastic, UL 94V-0	None (color: dark green)
Contact	Socket: Copper Alloy	Gold over Nickel. Terminating end Tin (Socket)
Hardware	Steel/Copper Alloy	Tin/Zinc

Straight Solder Termination (Machined) — Standard PC Tails

Plug



Selection Guide

For Product Features, Specifications, Materials and Finishes, see pages 2-3.

Reader's Resource

For contact cavity arrangements, see page 224.

For P.C. hole patterns, see page 274.

For panel cutouts, see page 221.

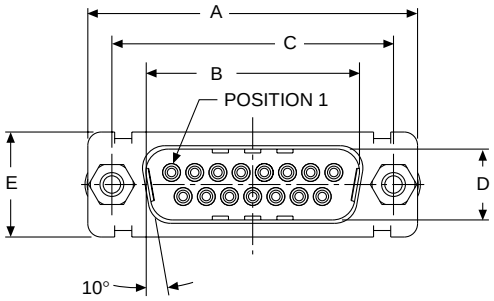
For hardware views (Standard), see page 226.

Part Numbers

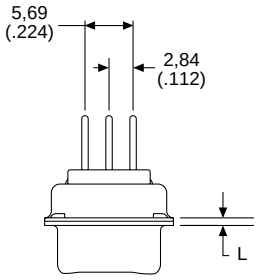
Shell Size	Layout	Standoff	Standoff & Boardlock	Standoff, Boardlock & Screw Lock
DE	9	DEMV9PNK87	DEMZ9PNK87	DEMN9PNK87
DA	15	DAMV15PNK87	DAMZ15PNK87	DAMN15PNK87
DB	25	DBMV25PNK87	DBMZ25PNK87	DBMN25PNK87
DC	37	DCMV37PNK87	DCMZ37PNK87	DCMN37PNK87
DD	50	DDMV50PNK87	DDMZ50PNK87	DDMN50PNK87

Note: For contacts with 30 microinches gold substitute K127 for K87. Example: DEMN9PNK127

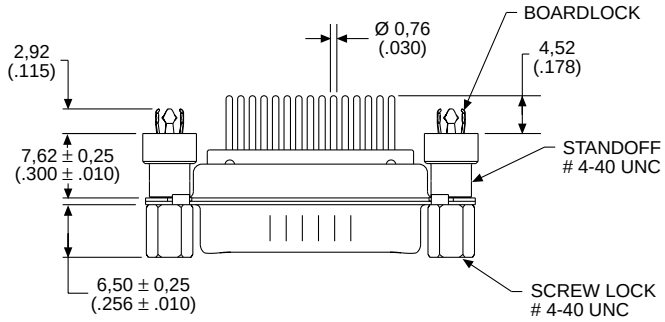
Engaging Face

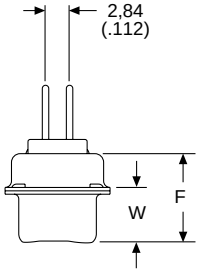


DD Configuration



Hardware removed for clarity





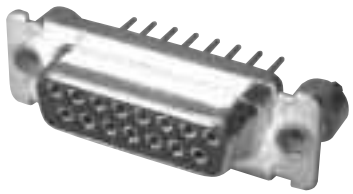
Hardware removed for clarity

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 (.666)	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)

Straight Solder Termination (Machined) — Standard PC Tails

Receptacle



Part Numbers

Shell Size	Layout	Standoff	Standoff & Boardlock	Standoff, Boardlock & Screw Lock
DE	9	DEMV9SNA197	DEMZ9SNA197	DEMN9SNA197
DA	15	DAMV15SNA197	DAMZ15SNA197	DAMN15SNA197
DB	25	DBMV25SNA197	DBMZ25SNA197	DBMN25SNA197
DC	37	DCMV37SNA197	DCMZ37SNA197	DCMN37SNA197
DD	50	DDMV50SNA197	DDMZ50SNA197	DDMN50SNA197

Note: For contacts with 30 microinches gold substitute K126 for A197. Example: DEMN9SNK126

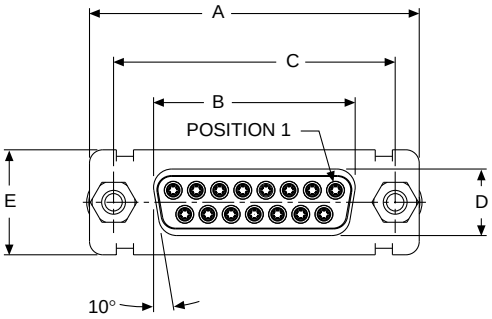
Selection Guide

For Product Features, Specifications, Materials and Finishes, see pages 2-3.

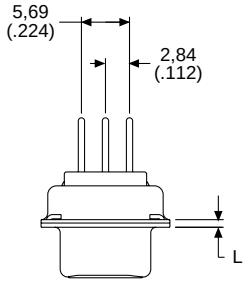
Reader's Resource

For contact cavity arrangements, see page 224.
For P.C. hole patterns, see page 274.
For panel cutouts, see page 221.
For hardware views (Standard), see page 226.

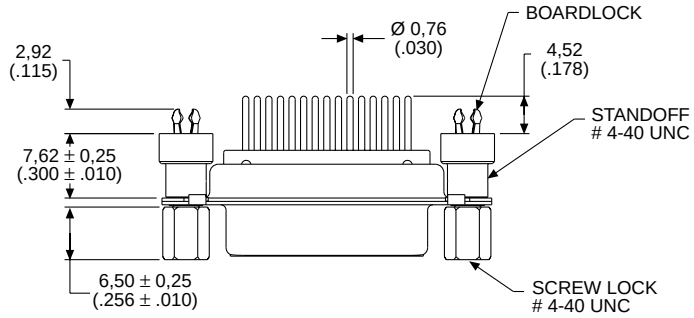
Engaging Face

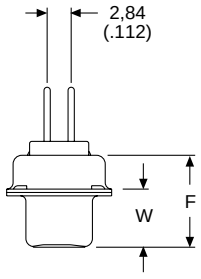


DD Configuration



Hardware removed for clarity





Hardware 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)
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)	24,66 (.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)

D*M — 90° Solder Termination (Machined) — Standard Footprint .318♦ or .283 inch♦♦

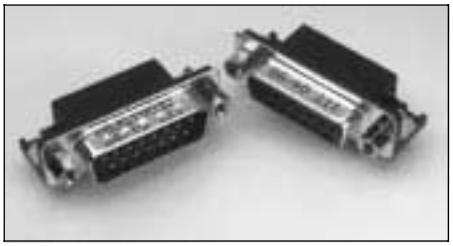
See pages 16-17.

D*M 90° PCB connectors, equivalent to MIL-C-24308 qualified versions (except for finishes), for use with printed circuit boards in demanding applications. Additional contact lengths, hardware and finish options available; consult factory for details.

Product Features

7.5 A current capacity
Machined contacts
Two contact finishes
Metal bracket with threaded insert standard
Optional screw locks and boardlocks
UL file number E8572
Dimensionally compatible with Combo D®

ZED* — 90° Solder Termination (Stamped) — Standard Footprint .318 inch♦



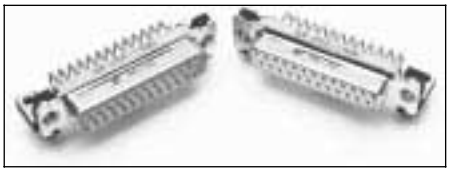
See pages 18-19.

ZED* 90° connectors are available for applications where price is the primary driver. They are available with integrated plastic brackets with Standard footprints.

Product Features

Stamped contacts with 5 A current capacity
Economical
Plastic bracket with integrated boardlocks and grounding strap
Optional screw locks

D* — 90° Solder Termination (Machined) — European Footprint 10,2♦ or 9,4 mm♦♦



See pages 20-27.

D* 90° connectors are available for high performance uses according to DIN 41652. Available with European footprint 1AON contacts, plastic and metal brackets, #4-40 or M3 threads and stamped pushfits/boardlocks. Contact finish available in 2 performance classes.

Product Features

High performance commercial class connectors
Two contact performance classes
Optional metal and plastic brackets, threaded standoffs, clinch nuts, and stamped pushfits/boardlocks
Tin plated contact PC tails (pin & socket)

ZD* — 90° Solder Termination (Stamped) — European Footprint 10,2 mm♦

See pages 28-29.

ZD* 90° connectors are available for applications where price is the primary driver. They are available with integrated plastic brackets with European footprints.

Product Features

Stamped contacts with 5 A current capacity
Economical
Plastic bracket with integrated boardlocks and grounding strap
Optional screw locks

♦ Connector footprint measured from the front shell.
♦♦ Connector footprint measured from the rear shell.

Specifications

Temperature Rating	−55°C to 125°C
Current Rating	7.5 A
Contact Resistance	55 millivolt max. at 7.5 A test current
Dielectric Withstanding Voltage	1000 VAC at Sea Level

Materials and Finishes

Description	Material	Finish
Shell	Steel	Tin
Insulator	Thermoplastic, UL 94V-0	None (Color: dark green)
Pin Contact	Copper Alloy	Gold over Nickel
Socket Contact	Copper Alloy	Gold over Nickel in mating area, Tin on balance
Hardware (except Boardlocks)	Steel	Tin
Boardlocks	Copper Alloy	Tin

Specifications

Temperature Rating	−55°C to 105°C
Current Rating	5 A
Contact Resistance	15 mΩ
Dielectric Withstanding Voltage	1000 VAC at Sea Level

Materials and Finishes

Description	Material	Finish
Shell	Steel	Tin
Insulator	Thermoplastic, UL 94V-0	None
Contacts	Copper Alloy	Gold over Nickel in mating area, Tin on balance

Specifications

Temperature Rating	−55°C to +125°C
Current Rating	5 A
Contact Resistance	10 mΩ
Dielectric Withstanding Voltage	1250 VAC at Sea Level

Materials and Finishes

Description	Material	Finish
Shell	Steel	Tin
Insulator	Thermoplastic, UL 94V-0	None (Color: dark green)
Contacts	Copper Alloy	Gold over Nickel in mating area, Tin on balance
Hardware	Steel or Plastic	Tin or None
Boardlocks	Copper Alloy	Tin

Specifications

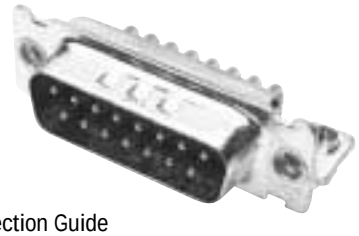
Temperature Rating	−55°C to 105°C
Current Rating	5 A
Contact Resistance	15 mΩ
Dielectric Withstanding Voltage	1000 VAC at Sea Level

Materials and Finishes

Description	Material	Finish
Shell	Steel	Tin
Insulator	Thermoplastic, UL 94V-0	None
Contacts	Copper Alloy	Gold over Nickel in mating area, Tin on balance

90° Solder Termination (Machined) — Standard Footprint .318♦ or .283 inch♦♦

Plug



Selection Guide

For Product Features, Specifications, Materials and Finishes, see pages 14-15.

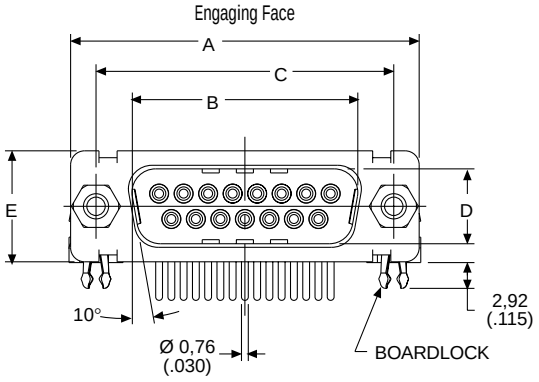
Reader's Resource

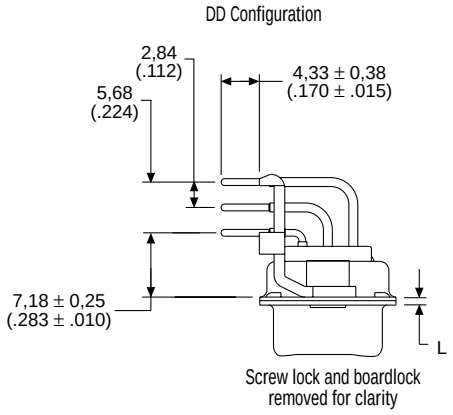
For contact cavity arrangements, see page 224.
For P.C. hole patterns, see page 272.
For panel cutouts, see page 221.
For hardware views (Standard), see page 226.
For alternate bracket configuration (when connectors are supplied without boardlocks), see page 226.

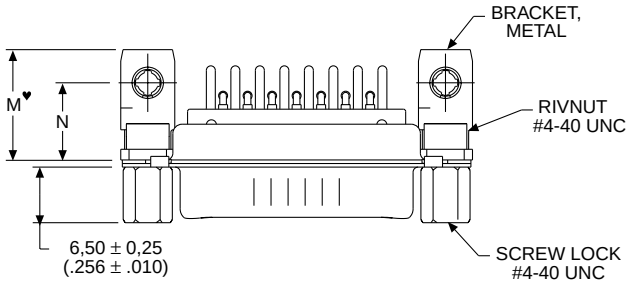
Part Numbers

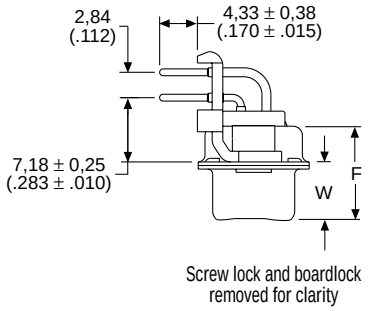
Shell Size	Layout	Bracket	Bracket & Boardlock	Bracket & Screw Lock #4-40 UNC	Bracket, Boardlock & Screw Lock #4-40 UNC
DE	9	DEMP9PJK87	DEMCP9PJK87	DEMD9PJK87	DEMG9PJK87
DA	15	DAMP15PJK87	DAMC15PJK87	DAMD15PJK87	DAMG15PJK87
DB	25	DBMP25PJK87	DBMC25PJK87	DBMD25PJK87	DBMG25PJK87
DC	37	DCMP37PJK87	DCMC37PJK87	DCMD37PJK87	DCMG37PJK87
DD	50	DDMP50PJK87	DDMC50PJK87	DDMD50PJK87	DDMG50PJK87

Note: For contacts with 30 microinches gold substitute K127 for K87. Example: DAMG15PJK127









Note: ♥ Dimension varies with alternate bracket configuration. See Reader's Resource page 226.

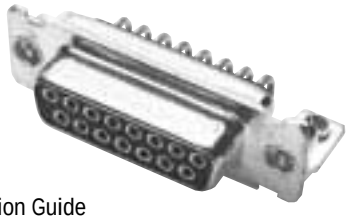
Dimensions

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)	M ±0,25 (.010)	N ±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)	—	0,76 (.030)	12,34 (.486)	8,64 (.340)
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)	12,34 (.486)	8,64 (.340)
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)	12,34 (.486)	8,64 (.340)
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)	12,34 (.486)	8,64 (.340)
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)	13,74 (.541)	10,06 (.396)

♦ Connector footprint measured from the front shell.
♦♦ Connector footprint measured from the rear shell.

90° Solder Termination (Machined) — Standard Footprint .318♦ or .283 inch♦♦

Receptacle



Selection Guide

For Product Features, Specifications, Materials and Finishes, see pages 14-15.

Reader's Resource

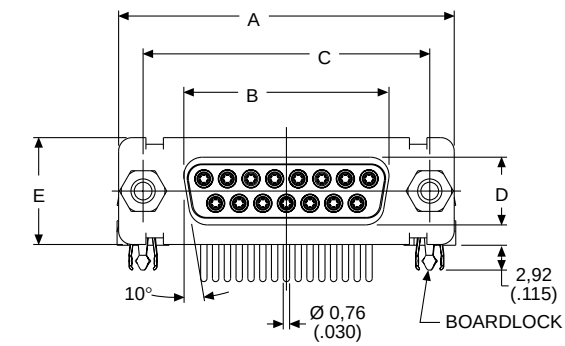
For contact cavity arrangements, see page 224.
For P.C. hole patterns, see page 272.
For panel cutouts, see page 221.
For hardware views (Standard), see page 226.
For alternate bracket configuration (when connectors are supplied without boardlocks), see page 226.

Part Numbers

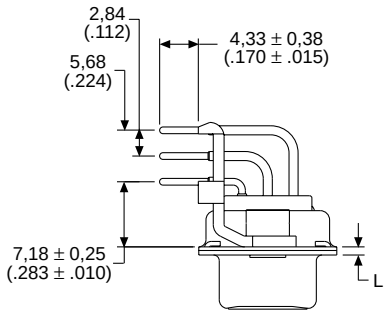
Shell Size	Layout	Bracket	Bracket & Boardlock	Bracket & Screw Lock #4-40 UNC	Bracket, Boardlock & Screw Lock #4-40 UNC
DE	9	DEMP9SJA197	DEMC9SJA197	DEMD9SJA197	DEMG9SJA197
DA	15	DAMP15SJA197	DAMC15SJA197	DAMD15SJA197	DAMG15SJA197
DB	25	DBMP25SJA197	DBMC25SJA197	DBMD25SJA197	DBMG25SJA197
DC	37	DCMP37SJA197	DCMC37SJA197	DCMD37SJA197	DCMG37SJA197
DD	50	DDMP50SJA197	DDMC50SJA197	DDMD50SJA197	DDMG50SJA197

Note: For contacts with 30 microinches gold substitute K126 for A197. Example: DAMG15SJK126

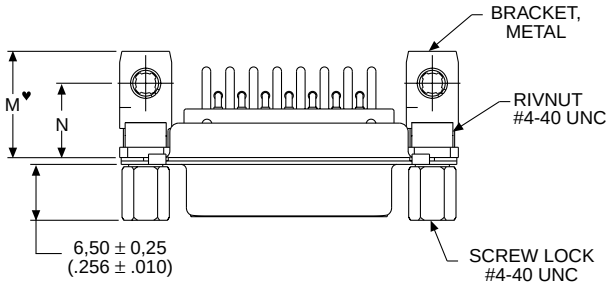
Engaging Face

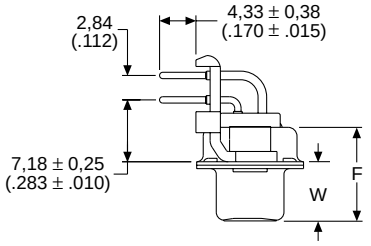


DD Configuration



Screw lock and boardlock removed for clarity





Screw lock and boardlock removed for clarity

Note: ♥ Dimension varies with alternate bracket configuration. See Reader's Resource page 226.

Dimensions

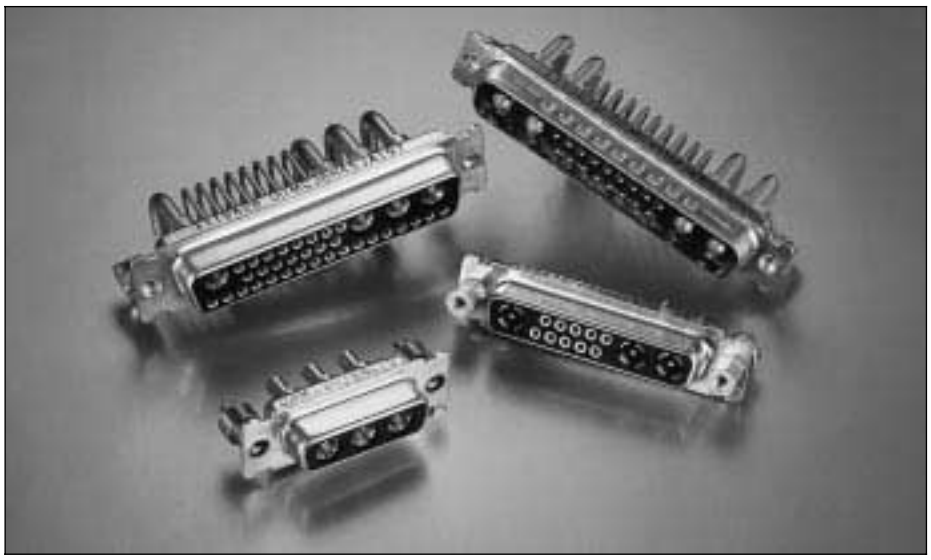
Shell Size	A ±0,38 (.015)	B ±0,13 (.005)	C ±0,13 (.005)	D ±0,13 (.005)	E ±0,38 (.015)	F ±0,25 (.010)	W ±0,38 (.015)	L ±0,25 (.010)	M ±0,25 (.010)	N ±0,25 (.010)
DE	30,81 (1.213)	16,33 (.643)	24,99 (.984)	7,90 (.311)	12,55 (.494)	10,90 (.429)	6,94 (.273)	0,76 (.030)	12,34 (.486)	8,64 (.340)
DA	39,14 (1.541)	24,66 (.971)	33,32 (1.312)	7,90 (.311)	12,55 (.494)	10,90 (.429)	6,94 (.273)	0,76 (.030)	12,34 (.486)	8,64 (.340)
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)	12,34 (.486)	8,64 (.340)
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)	12,34 (.486)	8,64 (.340)
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)	13,74 (.541)	10,06 (.396)

♦ Connector footprint measured from the front shell.
♦♦ Connector footprint measured from the rear shell.

Combination D Subminiature connectors offer 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.

By continually investing in engineering and manufacturing technology, ITT Cannon has improved the performance and features of this popular product. This catalog contains our latest efforts to meet the global requirements of the commercial electronics industry with a flexible, reliable and cost effective connector solution.



Applications

Video Coaxial Transmission (75 Ω)
RF and Telecom Transmission (50 Ω)
Power Interconnects (Up to 40 A)

Product Features

Standard and European Footprints
Pre-Installed 75 Ω/50 Ω 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)

Specifications

Temperature Rating	−55°C to 125°C	Coaxial VSWR	Less than 1.30 + .03F for F up to 500 MHz
Signal Contact Current Rating	7.5 A current capacity	Coaxial Insertion Loss	.3dB loss at 500 MHz
Signal Contact Resistance	55 millivolt max. at 7.5 test current	High Power Current Rating	Up to 40 A
Signal Contact Dielectric Withstanding Voltage	1250 VAC at Sea Level	High Power Dielectric Withstanding Voltage	1000 VAC at Sea Level
Coaxial Current Rating	5 A	High Voltage Current Rating	5 A
Coaxial Dielectric Withstanding Voltage	1000 VAC at Sea Level	High Voltage Contact Dielectric Withstanding Voltage	2800 V at Sea Level
Coaxial Impedance	75 Ω or 50 Ω		

Materials and Finishes

Connector Assembly

Description	Material	Finish/Treatment
Shell	Steel	Tin
Insulator	Black Polyester, UL 94V-0	None
Pin Contact	Copper Alloy	Gold over Nickel
Socket Contact	Copper Alloy	Gold over Nickel in mating area, Tin on balance
Standoff	Stainless Steel	Passivated
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 (Tin on coax ground PC tails)
Ring, Retaining	Copper Alloy	Nickel
Insulator (Coaxial only)	Teflon	None
Insulator (High Voltage only)	Thermoplastic	None

U.L. File Number: E8572

Coaxial 90° — Standard Footprint .318♦ or .283 inch♦♦ (Sizes DE-DC)

Plug

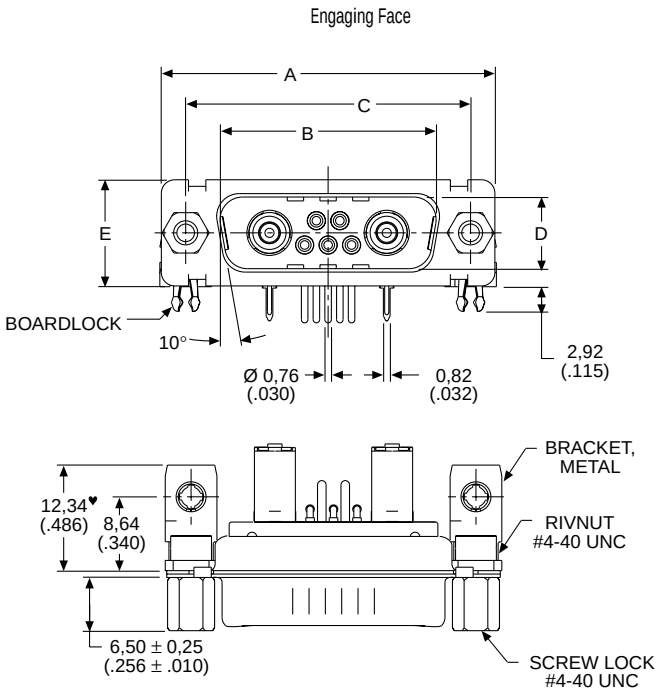
Reader's Resource

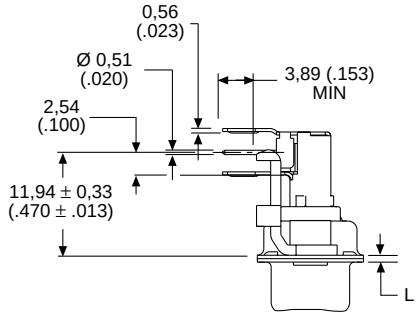
For contact cavity arrangements, see page 222.
For P.C. hole patterns, see pages 228-229.
For panel cutouts, see page 221.
For hardware views (Standard), see page 226.
For alternate bracket configuration (when connectors are supplied without boardlocks), see page 226.
For alternate 50 Ohm coaxial configuration, see page 225.

75 Ohm Part Numbers* with Metal Bracket and Rivnut #4-40 UNC

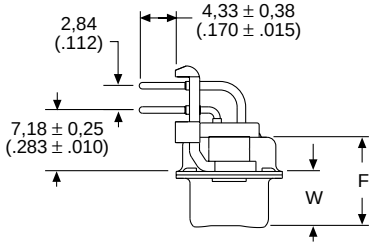
Shell Size	Layout	Part Number Without Screw Locks Without Boardlocks	Part Number Without Screw Locks With Boardlocks	Part Number With Screw Locks Without Boardlocks	Part Number With Screw Locks With Boardlocks
DE	5W1	DEMP5C1PJK87	DEMC5C1PJK87	DEMD5C1PJK87	DEMG5C1PJK87
DA	7W2	DAMP7C2PJK87	DAMC7C2PJK87	DAMD7C2PJK87	DAMG7C2PJK87
DA	11W1	DAMP11C1PJK87	DAMC11C1PJK87	DAMD11C1PJK87	DAMG11C1PJK87
DA	3W3	DAMP3C3PJK87	DAMC3C3PJK87	DAMD3C3PJK87	DAMG3C3PJK87
DA	3WK3♣	DAMP3CK3PJK87TM	DAMC3CK3PJK87TM	DAMD3CK3PJK87TM	DAMG3CK3PJK87TM
DB	5W5	DBMP5C5PJK87	DBMC5C5PJK87	DBMD5C5PJK87	DBMG5C5PJK87
DB	9W4	DBMP9C4PJK87	DBMC9C4PJK87	DBMD9C4PJK87	DBMG9C4PJK87
DB	13W3	DBMP13C3PJK87	DBMC13C3PJK87	DBMD13C3PJK87	DBMG13C3PJK87
DB	17W2	DBMP17C2PJK87	DBMC17C2PJK87	DBMD17C2PJK87	DBMG17C2PJK87
DB	21W1	DBMP21C1PJK87	DBMC21C1PJK87	DBMD21C1PJK87	DBMG21C1PJK87
DC	8W8	DCMP8C8PJK87	DCMC8C8PJK87	DCMD8C8PJK87	DCMG8C8PJK87
DC	13W6	DCMP13C6PJK87	DCMC13C6PJK87	DCMD13C6PJK87	DCMG13C6PJK87
DC	17W5	DCMP17C5PJK87	DCMC17C5PJK87	DCMD17C5PJK87	DCMG17C5PJK87
DC	21WA4	DCMP21CA4PJK87	DCMC21CA4PJK87	DCMD21CA4PJK87	DCMG21CA4PJK87
DC	25W3	DCMP25C3PJK87	DCMC25C3PJK87	DCMD25C3PJK87	DCMG25C3PJK87
DC	27W2	DCMP27C2PJK87	DCMC27C2PJK87	DCMD27C2PJK87	DCMG27C2PJK87

Notes: * For 50 Ohm Coaxial substitute X for C. Example: DEMP5X1PJK87
For contacts with 30 microinches gold substitute K127 for K87. Example: DEMP5C1PJK127
For DD shell sizes, see page 46.
♣ Keyed.





Screw lock, boardlock, and signal contacts removed for clarity



Screw lock, boardlock, and coaxial contact removed for clarity

Note: ♥ Dimension varies with alternate bracket configuration, see Reader's Resource page 226.

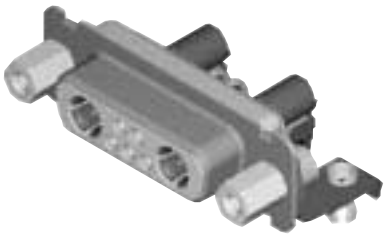
Dimensions

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 (.666)	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)

♦ Connector footprint measured from the front shell.
♦♦ Connector footprint measured from the rear shell.

Coaxial 90° — Standard Footprint .318♦ or .283 inch♦♦ (Sizes DE-DC)

Receptacle



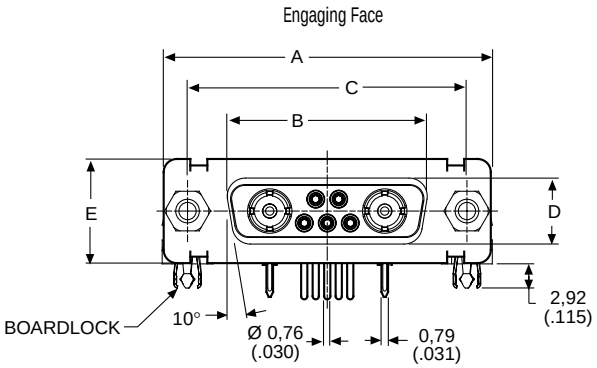
Reader's Resource

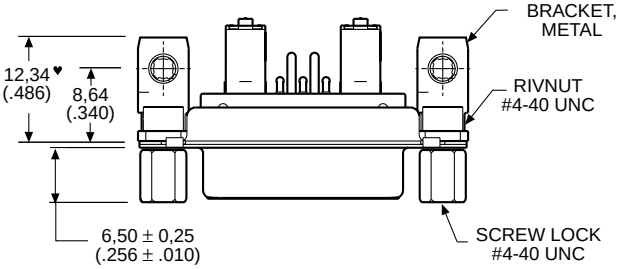
For contact cavity arrangements, see page 223.
For P.C. hole patterns, see pages 231-232.
For panel cutouts, see page 221.
For hardware views (Standard), see page 226.
For alternate bracket configuration (when connectors are supplied without boardlocks), see page 226.
For alternate 50 Ohm coaxial configuration, see page 225.

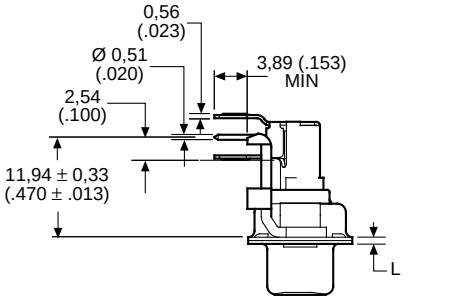
75 Ohm Part Numbers* with Metal Bracket and Rivnut #4-40 UNC

Shell Size	Layout	Part Number Without Screw Locks Without Boardlocks	Part Number Without Screw Locks With Boardlocks	Part Number With Screw Locks Without Boardlocks	Part Number With Screw Locks With Boardlocks
DE	5W1	DEMP5C1SJA197	DEMC5C1SJA197	DEMD5C1SJA197	DEMG5C1SJA197
DA	7W2	DAMP7C2SJA197	DAMC7C2SJA197	DAMD7C2SJA197	DAMG7C2SJA197
DA	11W1	DAMP11C1SJA197	DAMC11C1SJA197	DAMD11C1SJA197	DAMG11C1SJA197
DA	3W3	DAMP3C3SJA197	DAMC3C3SJA197	DAMD3C3SJA197	DAMG3C3SJA197
DA	3WK3♣	DAMP3CK3SJA197TM	DAMC3CK3SJA197TM	DAMD3CK3SJA197TM	DAMG3CK3SJA197TM
DB	5W5	DBMP5C5SJA197	DBMC5C5SJA197	DBMD5C5SJA197	DBMG5C5SJA197
DB	9W4	DBMP9C4SJA197	DBMC9C4SJA197	DBMD9C4SJA197	DBMG9C4SJA197
DB	13W3	DBMP13C3SJA197	DBMC13C3SJA197	DBMD13C3SJA197	DBMG13C3SJA197
DB	17W2	DBMP17C2SJA197	DBMC17C2SJA197	DBMD17C2SJA197	DBMG17C2SJA197
DB	21W1	DBMP21C1SJA197	DBMC21C1SJA197	DBMD21C1SJA197	DBMG21C1SJA197
DC	8W8	DCMP8C8SJA197	DCMC8C8SJA197	DCMD8C8SJA197	DCMG8C8SJA197
DC	13W6	DCMP13C6SJA197	DCMC13C6SJA197	DCMD13C6SJA197	DCMG13C6SJA197
DC	17W5	DCMP17C5SJA197	DCMC17C5SJA197	DCMD17C5SJA197	DCMG17C5SJA197
DC	21WA4	DCMP21CA4SJA197	DCMC21CA4SJA197	DCMD21CA4SJA197	DCMG21CA4SJA197
DC	25W3	DCMP25C3SJA197	DCMC25C3SJA197	DCMD25C3SJA197	DCMG25C3SJA197
DC	27W2	DCMP27C2SJA197	DCMC27C2SJA197	DCMD27C2SJA197	DCMG27C2SJA197

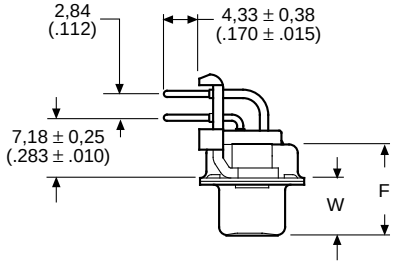
Notes: * For 50 Ohm Coaxial substitute X for C. Example: DEMP5X1SJA197
For contacts with 30 microinches gold substitute K126 for A197. Example: DEMP5C1SJK126
For DD Shell Sizes, see page 47.
♣ Keyed.







Screw lock, boardlock and signal contacts removed for clarity



Screw lock, boardlock and coaxial contact removed for clarity

Note: ♥ Dimension varies with alternate bracket configuration, See Reader's Resource page 226.

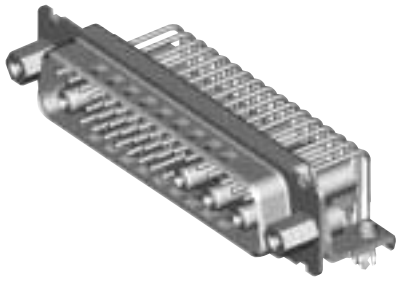
Dimensions

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)	24,66 (.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)

♦ Connector footprint measured from the front shell.
♦♦ Connector footprint measured from the rear shell.

Coaxial 90° — Standard Footprint .489♦ or .454 inch♦♦ (Size DD)

Plug



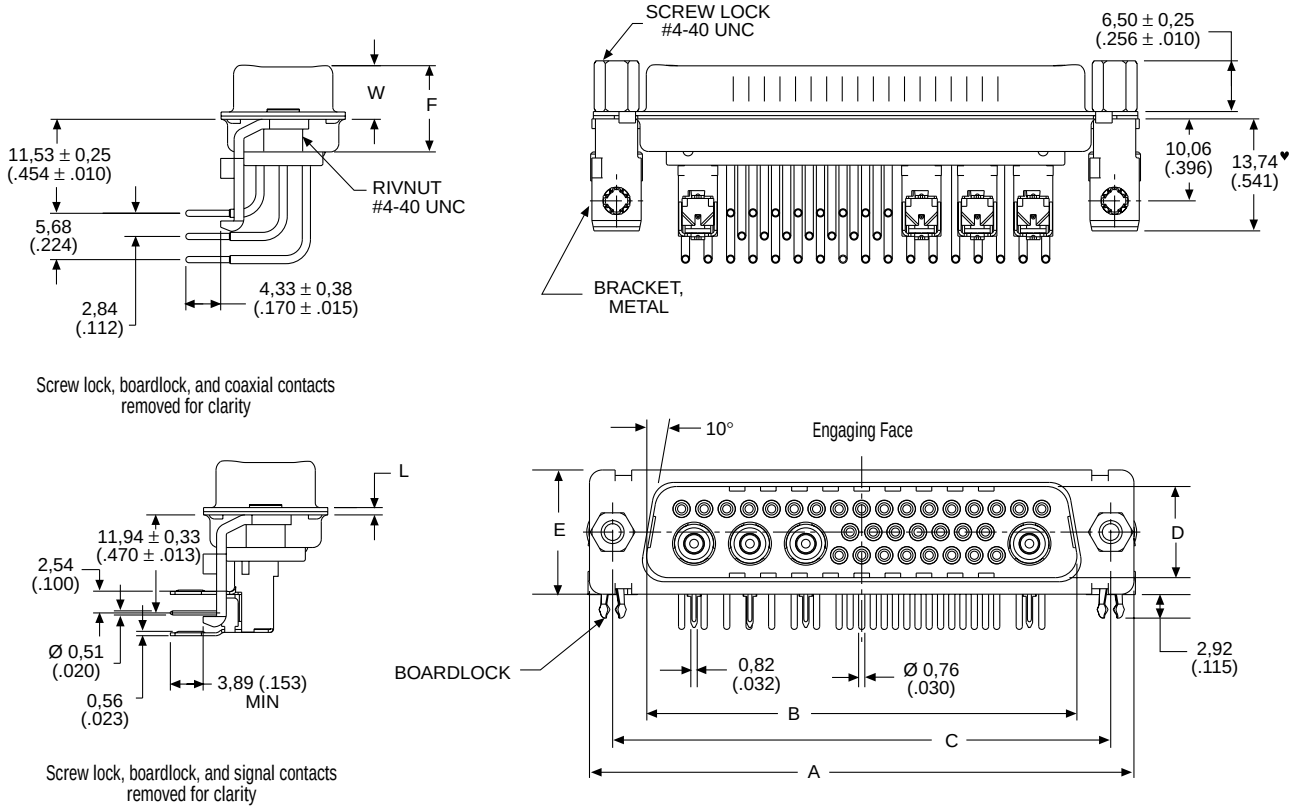
75 Ohm Part Numbers* with Metal Bracket and Rivnut #4-40 UNC

Shell Size	Layout	Part Number Without Screw Locks Without Boardlocks	Part Number Without Screw Locks With Boardlocks	Part Number With Screw Locks Without Boardlocks	Part Number With Screw Locks With Boardlocks
DD	24W7	DDMP24C7PJK87	DDMC24C7PJK87	DDMD24C7PJK87	DDMG24C7PJK87
DD	36W4	DDMP36C4PJK87	DDMC36C4PJK87	DDMD36C4PJK87	DDMG36C4PJK87
DD	43W2	DDMP43C2PJK87	DDMC43C2PJK87	DDMD43C2PJK87	DDMG43C2PJK87
DD	47W1	DDMP47C1PJK87	DDMC47C1PJK87	DDMD47C1PJK87	DDMG47C1PJK87

Notes: * For 50 Ohm Coaxial substitute X for C. Example: DDMG36X4PJK87
For contacts with 30 microinches gold substitute K127 for K87. Example: DDMP24C7PJK127

Reader's Resource

For contact cavity arrangements, see page 222.
For P.C. hole patterns, see page 230.
For panel cutouts, see page 221.
For hardware views (Standard), see page 226.
For alternate bracket configuration (when connectors are supplied without boardlocks), see page 226.
For alternate 50 Ohm coaxial configuration, see page 225.



Note: ♥ Dimension varies with alternate bracket configuration, See Reader's Resource page 226.

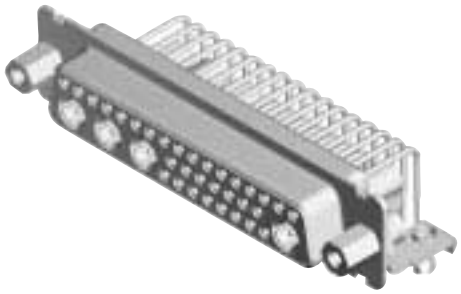
Dimensions

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 (.016)	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)

♦ Connector footprint measured from the front shell.
♦♦ Connector footprint measured from the rear shell.

Coaxial 90° — Standard Footprint .489♦ or .454 inch♦♦ (Size DD)

Receptacle



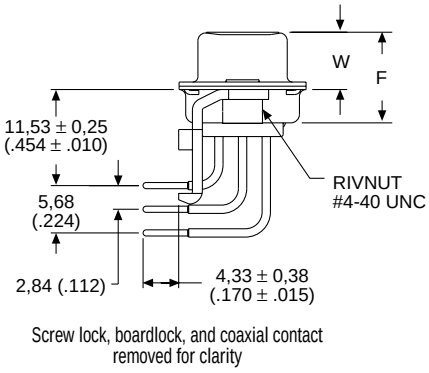
75 Ohm Part Numbers* with Metal Bracket and Rivnut #4-40 UNC

Shell Size	Layout	Part Number Without Screw Locks Without Boardlocks	Part Number Without Screw Locks With Boardlocks	Part Number With Screw Locks Without Boardlocks	Part Number With Screw Locks With Boardlocks
DD	24W7	DDMP24C7SJA197	DDMC24C7SJA197	DDMD24C7SJA197	DDMG24C7SJA197
DD	36W4	DDMP36C4SJA197	DDMC36C4SJA197	DDMD36C4SJA197	DDMG36C4SJA197
DD	43W2	DDMP43C2SJA197	DDMC43C2SJA197	DDMD43C2SJA197	DDMG43C2SJA197
DD	47W1	DDMP47C1SJA197	DDMC47C1SJA197	DDMD47C1SJA197	DDMG47C1SJA197

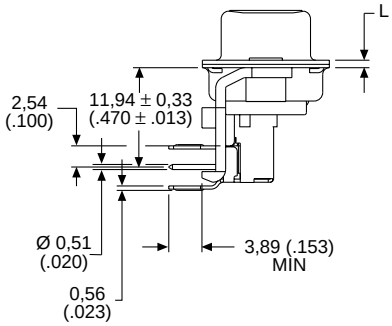
Notes: * For 50 Ohm Coaxial substitute X for C. Example: DDMG36X4SJA197
For contacts with 30 microinches gold substitute K126 for A197. Example: DDMP24C7SJK126

Reader's Resource

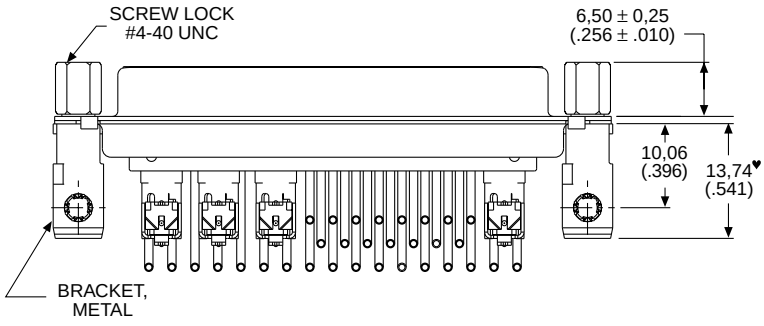
For contact cavity arrangements, see page 223.
For P.C. hole patterns, see page 233.
For panel cutouts, see page 221.
For hardware views (Standard), see page 226.
For alternate bracket configuration (when connectors are supplied without boardlocks), see page 226.
For alternate 50 Ohm coaxial configuration, see page 225.

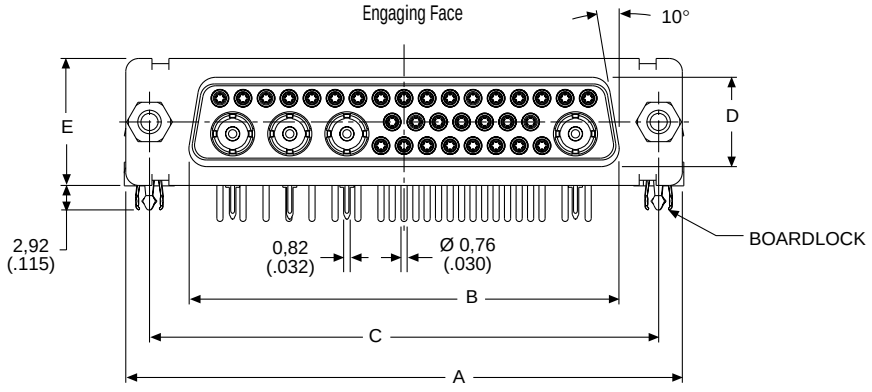


Screw lock, boardlock, and coaxial contact removed for clarity



Screw lock, boardlock, and signal contacts removed for clarity





Note: ♥ Dimension varies with alternate bracket configuration, See Reader's Resource page 226.

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)

♦ Connector footprint measured from the front shell.
♦♦ Connector footprint measured from the rear shell.

13C3 Special — Receptacle only

Receptacle

Reader's Resource

For contact cavity arrangements, see page 223.

For P.C. hole patterns, see page 236 (Rear shell REF. is 0,76 (.030) from front shell).

For panel cutouts, see page 221.

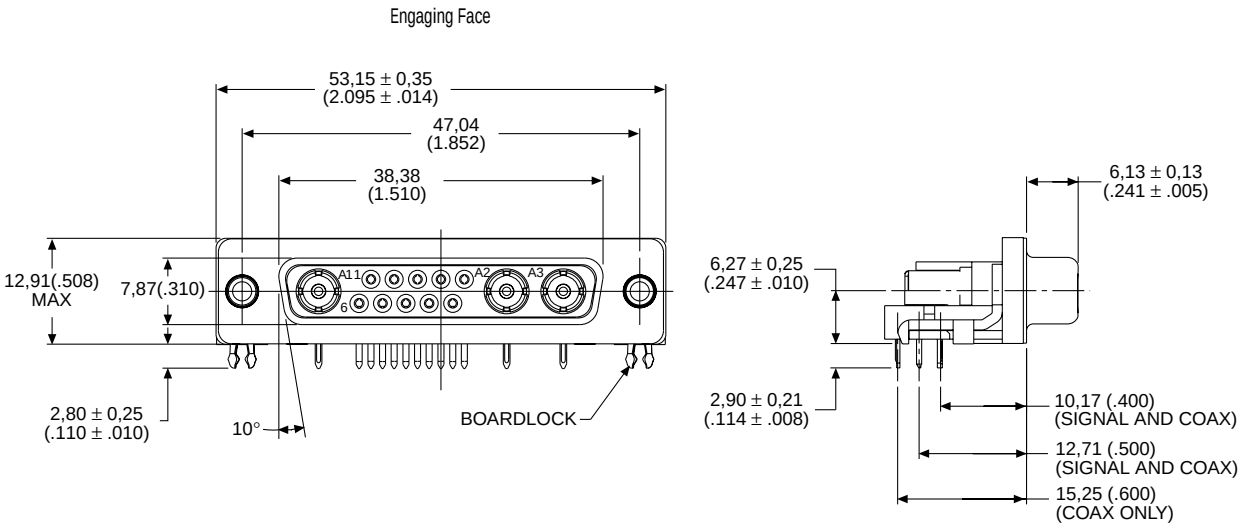
Finishes

Signal and Coaxial
Center Contact Finish: 30 μ inches Gold.

Note: For additional materials and finishes, see introduction page 43.

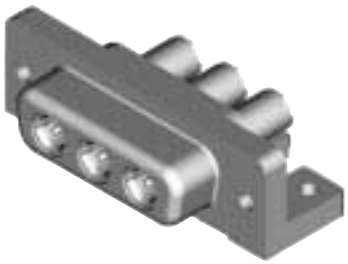
Part Number

DB111949-43



3C3 Shielded Special — Receptacle only

Receptacle



Materials and Finishes	
Body Material:	Zinc
Body Finish:	Tin
Coaxial Center Contact Finish:	30 μ inches Gold

Note: For additional materials and finishes, see introduction page 43.

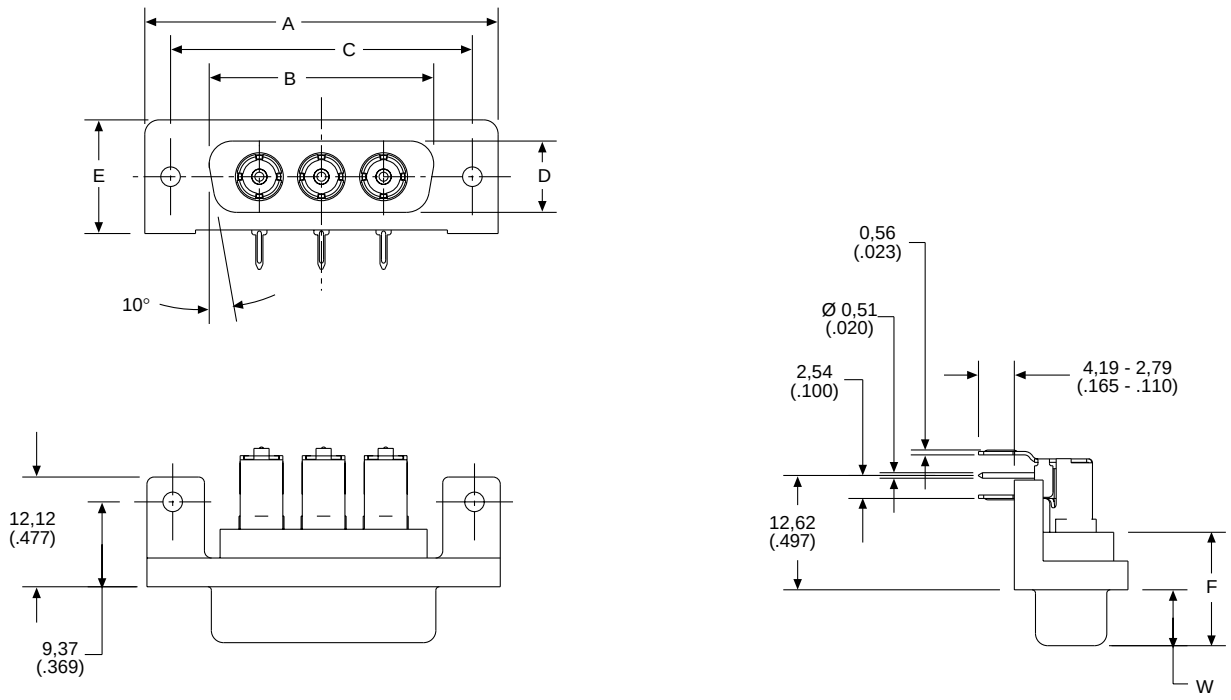
Part Number

DAM53512-1405

Reader's Resource

For contact cavity arrangements, see page 223.
For P.C. hole patterns, see page 231.
For panel cutouts, see page 221.

Engaging Face



Note: Connector supplied with boardlocks.

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)
DA	39,14 (1.541)	24,66 (.971)	33,32 (1.312)	7,90 (.311)	12,55 (.494)	10,90 (.429)	6,17 (.243)

Coaxial 90° — European Footprint 10,2♦ or 9,4 mm♦♦ (Sizes DE-DC)

Plug

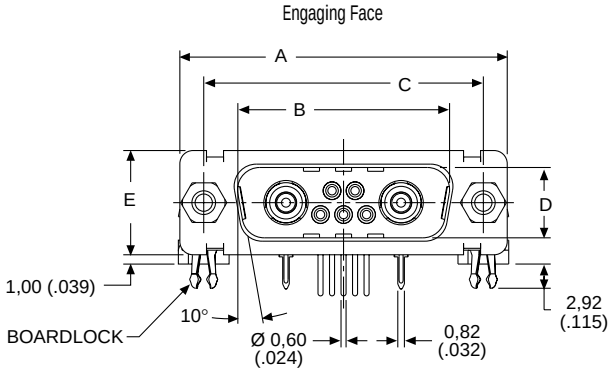
Reader's Resource

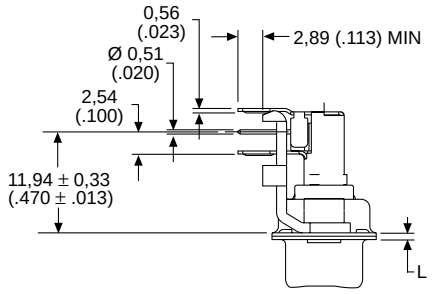
For contact cavity arrangements, see page 222.
For P.C. hole patterns, see page 234-235.
For panel cutouts, see page 221.
For alternate bracket configuration (when connectors are supplied without boardlocks), see page 226.
For alternate 50 Ohm coaxial configuration, see page 225.

75 Ohm Part Numbers* with Metal Bracket and Rivnut #4-40 UNC

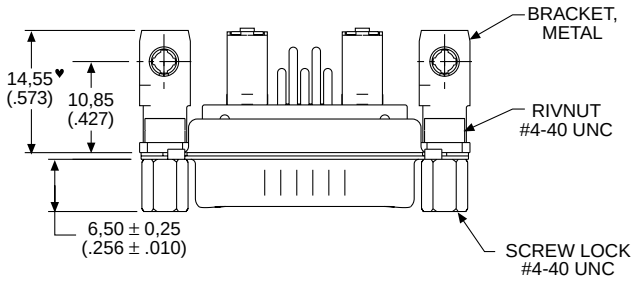
Shell Size	Layout	Part Number Without Screw Locks Without Boardlocks	Part Number Without Screw Locks With Boardlocks	Part Number With Screw Locks Without Boardlocks	Part Number With Screw Locks With Boardlocks
DE	5W1	DEMP5C1PVK87	DEMC5C1PVK87	DEMD5C1PVK87	DEMG5C1PVK87
DA	7W2	DAMP7C2PVK87	DAMC7C2PVK87	DAMD7C2PVK87	DAMG7C2PVK87
DA	11W1	DAMP11C1PVK87	DAMC11C1PVK87	DAMD11C1PVK87	DAMG11C1PVK87
DA	3W3	DAMP3C3PVK87	DAMC3C3PVK87	DAMD3C3PVK87	DAMG3C3PVK87
DA	3WK3♣	DAMP3CK3PVK87TM	DAMC3CK3PVK87TM	DAMD3CK3PVK87TM	DAMG3CK3PVK87TM
DB	5W5	DBMP5C5PVK87	DBMC5C5PVK87	DBMD5C5PVK87	DBMG5C5PVK87
DB	9W4	DBMP9C4PVK87	DBMC9C4PVK87	DBMD9C4PVK87	DBMG9C4PVK87
DB	13W3	DBMP13C3PVK87	DBMC13C3PVK87	DBMD13C3PVK87	DBMG13C3PVK87
DB	17W2	DBMP17C2PVK87	DBMC17C2PVK87	DBMD17C2PVK87	DBMG17C2PVK87
DB	21W1	DBMP21C1PVK87	DBMC21C1PVK87	DBMD21C1PVK87	DBMG21C1PVK87
DC	8W8	DCMP8C8PVK87	DCMC8C8PVK87	DCMD8C8PVK87	DCMG8C8PVK87
DC	13W6	DCMP13C6PVK87	DCMC13C6PVK87	DCMD13C6PVK87	DCMG13C6PVK87
DC	17W5	DCMP17C5PVK87	DCMC17C5PVK87	DCMD17C5PVK87	DCMG17C5PVK87
DC	21WA4	DCMP21CA4PVK87	DCMC21CA4PVK87	DCMD21CA4PVK87	DCMG21CA4PVK87
DC	25W3	DCMP25C3PVK87	DCMC25C3PVK87	DCMD25C3PVK87	DCMG25C3PVK87
DC	27W2	DCMP27C2PVK87	DCMC27C2PVK87	DCMD27C2PVK87	DCMG27C2PVK87

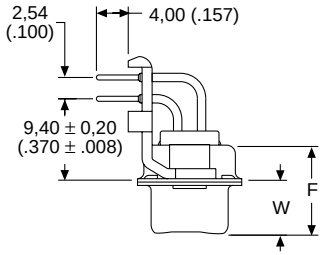
For M3 threads replace MP with MS, MC with ML, MD with MO, MG with MJ.
Notes: * For 50 Ohm Coaxial substitute X for C. Example: DEMP5X1PVK87
For tin plated PC tails add A226 (signal contacts only). Example: DEMP5C1PVK87A226
For performance class 2 substitute K127 for K87. Example: DEMP5C1PVK127
For DD shell sizes (Standard footprint) see page 46.
♣ Keyed.





Screw lock, boardlock, and signal contacts removed for clarity





Screw lock, boardlock, and coaxial contact removed for clarity

Note: ♥ Dimension varies with alternate bracket configuration, see Reader's Resource page 226.

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 (.666)	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)

♦ Connector footprint measured from the front shell.
♦♦ Connector footprint measured from the rear shell.

Coaxial 90° — European Footprint 10,2♦ or 9,4 mm♦♦ (Sizes DE-DC)

Receptacle

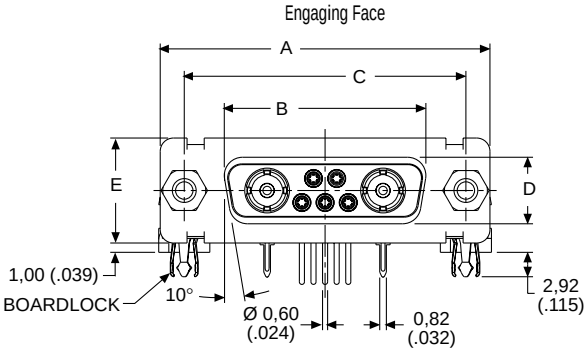
Reader's Resource

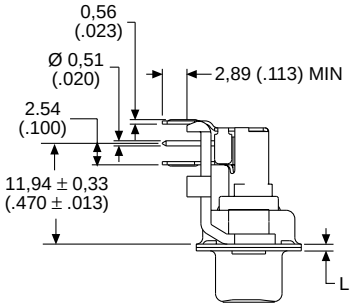
For contact cavity arrangements, see page 223.
For P.C. hole patterns, see pages 236-237.
For panel cutouts, see page 221.
For alternate bracket configuration (when connectors are supplied without boardlocks), see page 226.
For alternate 50 Ohm coaxial configuration, see page 225.

75 Ohm Part Numbers* with Metal Bracket and Rivnut #4-40 UNC

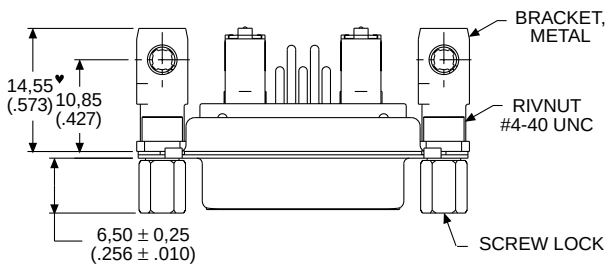
Shell Size	Layout	Part Number Without Screw Locks Without Boardlocks	Part Number Without Screw Locks With Boardlocks	Part Number With Screw Locks Without Boardlocks	Part Number With Screw Locks With Boardlocks
DE	5W1	DEMP5C1SVA197	DEMC5C1SVA197	DEMD5C1SVA197	DEMG5C1SVA197
DA	7W2	DAMP7C2SVA197	DAMC7C2SVA197	DAMD7C2SVA197	DAMG7C2SVA197
DA	11W1	DAMP11C1SVA197	DAMC11C1SVA197	DAMD11C1SVA197	DAMG11C1SVA197
DA	3W3	DAMP3C3SVA197	DAMC3C3SVA197	DAMD3C3SVA197	DAMG3C3SVA197
DA	3WK3♣	DAMP3CK3SVA197TM	DAMC3CK3SVA197TM	DAMD3CK3SVA197TM	DAMG3CK3SVA197TM
DB	5W5	DBMP5C5SVA197	DBMC5C5SVA197	DBMD5C5SVA197	DBMG5C5SVA197
DB	9W4	DBMP9C4SVA197	DBMC9C4SVA197	DBMD9C4SVA197	DBMG9C4SVA197
DB	13W3	DBMP13C3SVA197	DBMC13C3SVA197	DBMD13C3SVA197	DBMG13C3SVA197
DB	17W2	DBMP17C2SVA197	DBMC17C2SVA197	DBMD17C2SVA197	DBMG17C2SVA197
DB	21W1	DBMP21C1SVA197	DBMC21C1SVA197	DBMD21C1SVA197	DBMG21C1SVA197
DC	8W8	DCMP8C8SVA197	DCMC8C8SVA197	DCMD8C8SVA197	DCMG8C8SVA197
DC	13W6	DCMP13C6SVA197	DCMC13C6SVA197	DCMD13C6SVA197	DCMG13C6SVA197
DC	17W5	DCMP17C5SVA197	DCMC17C5SVA197	DCMD17C5SVA197	DCMG17C5SVA197
DC	21WA4	DCMP21CA4SVA197	DCMC21CA4SVA197	DCMD21CA4SVA197	DCMG21CA4SVA197
DC	25W3	DCMP25C3SVA197	DCMC25C3SVA197	DCMD25C3SVA197	DCMG25C3SVA197
DC	27W2	DCMP27C2SVA197	DCMC27C2SVA197	DCMD27C2SVA197	DCMG27C2SVA197

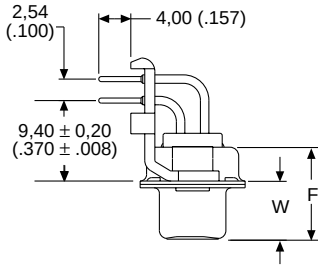
For M3 threads replace MP with MS, MC with ML, MD with MO, MG with MJ.
Notes: * For 50 Ohm Coaxial substitute X for C. Example: DEMP5X1SVA197
For performance class 2 substitute K126 for A197. Example: DEMP5C1SVK126
For DD shell sizes (standard footprint) see page 47.
♣ Keyed.





Screw lock, boardlock, and signal contacts removed for clarity





Screw lock, boardlock, and coaxial contact removed for clarity

Note: ♥ Dimension varies with alternate bracket configuration, see Reader's Resource page 226.

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)	24,66 (.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)

♦ Connector footprint measured from the front shell.
♦♦ Connector footprint measured from the rear shell.

Coaxial Straight — Standard PC Tails (Sizes DE-DC)

Plug

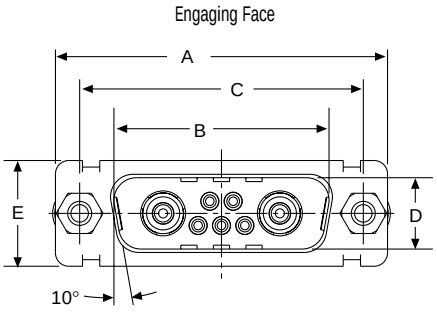
Reader's Resource

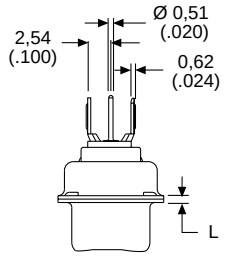
For contact cavity arrangements, see page 222.
For P.C. hole patterns, see pages 238-239.
For panel cutouts, see page 221.
For alternate 50 Ohm coaxial configuration, see page 225.

75 Ohm Part Numbers* with Standoff #4-40 UNC

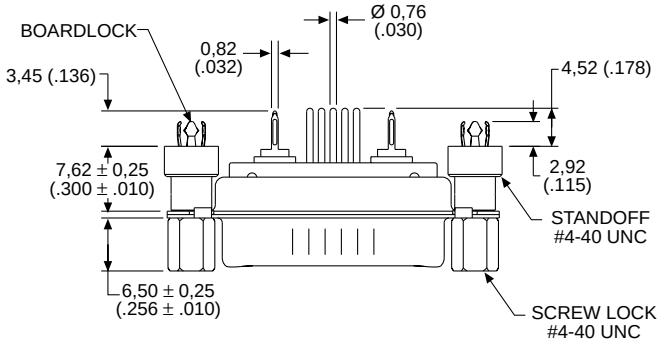
Shell Size	Layout	Part Number Without Screw Locks Without Boardlocks	Part Number Without Screw Locks With Boardlocks	Part Number With Screw Locks With Boardlocks
DE	5W1	DEMV5C1PNK87	DEMZ5C1PNK87	DEMN5C1PNK87
DA	7W2	DAMV7C2PNK87	DAMZ7C2PNK87	DAMN7C2PNK87
DA	11W1	DAMV11C1PNK87	DAMZ11C1PNK87	DAMN11C1PNK87
DA	3W3	DAMV3C3PNK87	DAMZ3C3PNK87	DAMN3C3PNK87
DA	3WK3♣	DAMV3CK3PNK87TM	DAMZ3CK3PNK87TM	DAMN3CK3PNK87TM
DB	5W5	DBMV5C5PNK87	DBMZ5C5PNK87	DBMN5C5PNK87
DB	9W4	DBMV9C4PNK87	DBMZ9C4PNK87	DBMN9C4PNK87
DB	13W3	DBMV13C3PNK87	DBMZ13C3PNK87	DBMN13C3PNK87
DB	17W2	DBMV17C2PNK87	DBMZ17C2PNK87	DBMN17C2PNK87
DB	21W1	DBMV21C1PNK87	DBMZ21C1PNK87	DBMN21C1PNK87
DC	8W8	DCMV8C8PNK87	DCMZ8C8PNK87	DCMN8C8PNK87
DC	13W6	DCMV13C6PNK87	DCMZ13C6PNK87	DCMN13C6PNK87
DC	17W5	DCMV17C5PNK87	DCMZ17C5PNK87	DCMN17C5PNK87
DC	21WA4	DCMV21CA4PNK87	DCMZ21CA4PNK87	DCMN21CA4PNK87
DC	25W3	DCMV25C3PNK87	DCMZ25C3PNK87	DCMN25C3PNK87
DC	27W2	DCMV27C2PNK87	DCMZ27C2PNK87	DCMN27C2PNK87

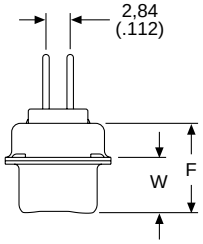
Notes: * For 50 Ohm Coaxial substitute X for C. Example: DEMV5X1PNK87
For contacts with 30 microinches gold substitute K127 for K87. Example: DEMN5C1PNK127
For DD shell sizes, see page 54.
♣ Keyed.





Screw lock, boardlock, and signal contacts removed for clarity





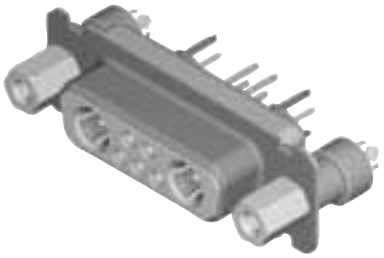
Screw lock, boardlock, and coaxial contact removed for clarity

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 (.666)	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)

Coaxial Straight — Standard PC Tails (Sizes DE-DC)

Receptacle



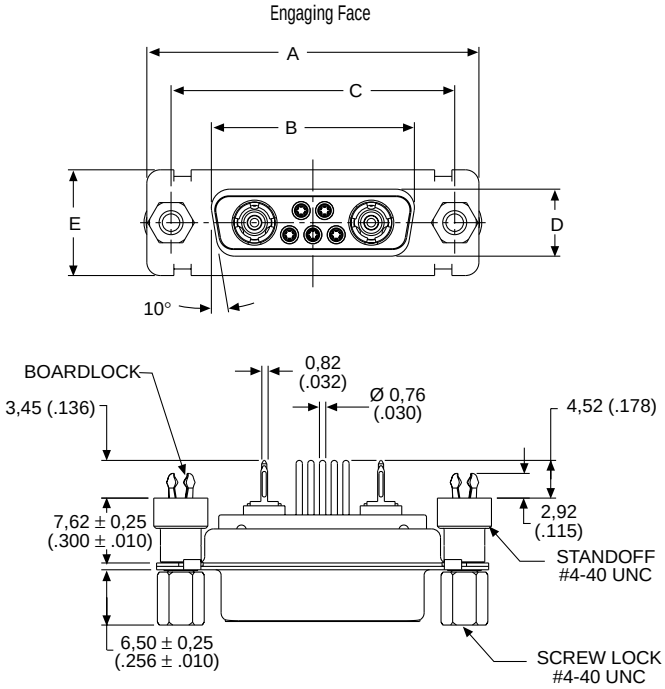
Reader's Resource

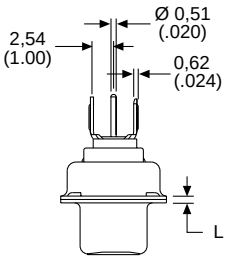
For contact cavity arrangements, see page 223.
For P.C. hole patterns, see pages 241-242.
For panel cutouts, see page 221.
For alternate 50 Ohm coaxial configuration, see page 225.

75 Ohm Part Numbers* with Standoff #4-40 UNC

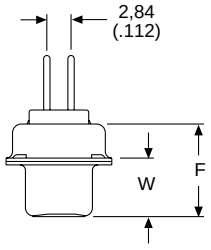
Shell Size	Layout	Part Number Without Screw Locks Without Boardlocks	Part Number Without Screw Locks With Boardlocks	Part Number With Screw Locks With Boardlocks
DE	5W1	DEMV5C1SNA197	DEMZ5C1SNA197	DEMN5C1SNA197
DA	7W2	DAMV7C2SNA197	DAMZ7C2SNA197	DAMN7C2SNA197
DA	11W1	DAMV11C1SNA197	DAMZ11C1SNA197	DAMN11C1SNA197
DA	3W3	DAMV3C3SNA197	DAMZ3C3SNA197	DAMN3C3SNA197
DA	3WK3♣	DAMV3CK3SNA197TM	DAMZ3CK3SNA197TM	DAMN3CK3SNA197TM
DB	5W5	DBMV5C5SNA197	DBMZ5C5SNA197	DBMN5C5SNA197
DB	9W4	DBMV9C4SNA197	DBMZ9C4SNA197	DBMN9C4SNA197
DB	13W3	DBMV13C3SNA197	DBMZ13C3SNA197	DBMN13C3SNA197
DB	17W2	DBMV17C2SNA197	DBMZ17C2SNA197	DBMN17C2SNA197
DB	21W1	DBMV21C1SNA197	DBMZ21C1SNA197	DBMN21C1SNA197
DC	8W8	DCMV8C8SNA197	DCMZ8C8SNA197	DCMN8C8SNA197
DC	13W6	DCMV13C6SNA197	DCMZ13C6SNA197	DCMN13C6SNA197
DC	17W5	DCMV17C5SNA197	DCMZ17C5SNA197	DCMN17C5SNA197
DC	21WA4	DCMV21CA4SNA197	DCMZ21CA4SNA197	DCMN21CA4SNA197
DC	25W3	DCMV25C3SNA197	DCMZ25C3SNA197	DCMN25C3SNA197
DC	27W2	DCMV27C2SNA197	DCMZ27C2SNA197	DCMN27C2SNA197

Notes: * For 50 Ohm Coaxial substitute X for C. Example: DEMV5X1SNA197
For contacts with 30 microinches gold substitute K126 for A197. Example: DEMN5C1SNK126
For DD shell sizes, see page 55.
♣ Keyed.





Hardware and signal contacts removed for clarity



Hardware 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 ±0,38 (.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)	24,66 (.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)

Coaxial Straight — Standard PC Tails (Size DD)

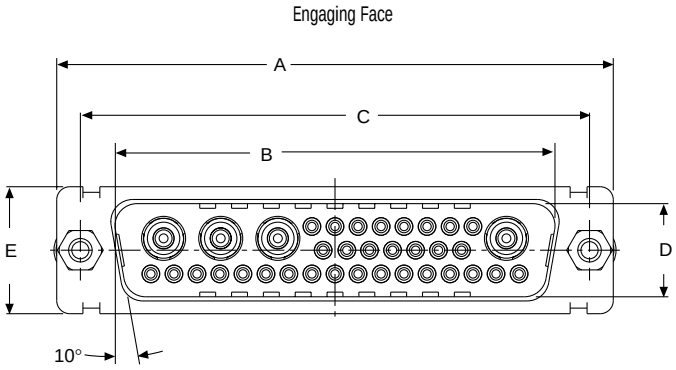
Plug

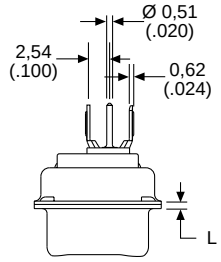
75 Ohm Part Numbers* with Standoff #4-40 UNC

Shell Size	Layout	Part Number Without Screw Locks Without Boardlocks	Part Number Without Screw Locks With Boardlocks	Part Number With Screw Locks With Boardlocks
DD	24W7	DDMV24C7PNK87	DDMZ24C7PNK87	DDMN24C7PNK87
DD	36W4	DDMV36C4PNK87	DDMZ36C4PNK87	DDMN36C4PNK87
DD	43W2	DDMV43C2PNK87	DDMZ43C2PNK87	DDMN43C2PNK87
DD	47W1	DDMV47C1PNK87	DDMZ47C1PNK87	DDMN47C1PNK87

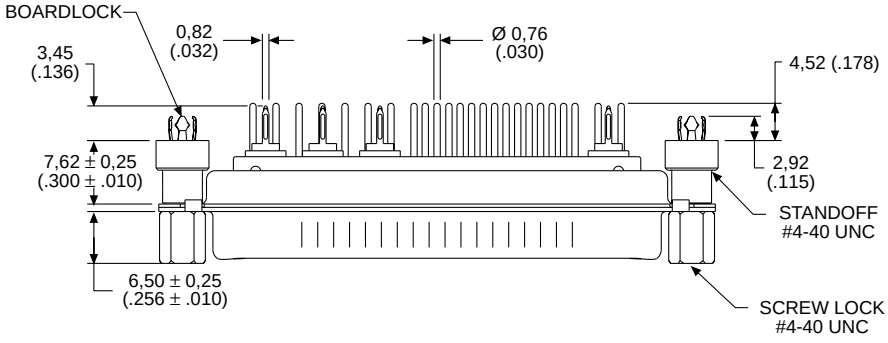
Notes: * For 50 Ohm Coaxial substitute X for C. Example: DDMV24X7PNK87
For contacts with 30 microinches gold substitute K127 for K87. Example: DDMN24C7PNK127

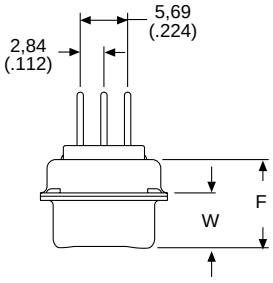
Reader's Resource
For contact cavity arrangements, see page 222.
For P.C. hole patterns, see page 240.
For panel cutouts, see page 221.
For alternate 50 Ohm coaxial configuration, see page 225.





Hardware and signal contacts removed for clarity





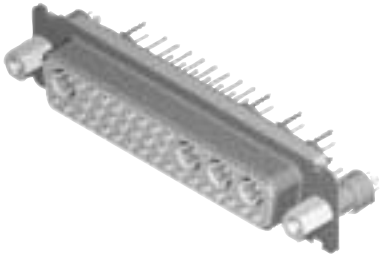
Hardware and coaxial contact removed for clarity

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 ±0,41 (.016)	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)

Coaxial Straight — Standard PC Tails (Size DD)

Receptacle



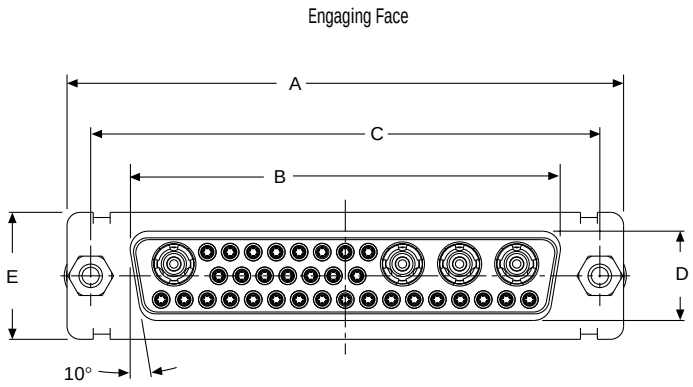
75 Ohm Part Numbers* with Standoff #4-40 UNC

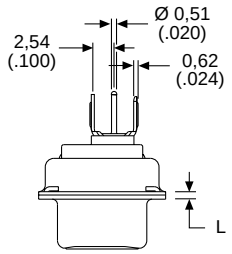
Shell Size	Layout	Part Number Without Screw Locks Without Boardlocks	Part Number Without Screw Locks With Boardlocks	Part Number With Screw Locks With Boardlocks
DD	24W7	DDMV24C7SNA197	DDMZ24C7SNA197	DDMN24C7SNA197
DD	36W4	DDMV36C4SNA197	DDMZ36C4SNA197	DDMN36C4SNA197
DD	43W2	DDMV43C2SNA197	DDMZ43C2SNA197	DDMN43C2SNA197
DD	47W1	DDMV47C1SNA197	DDMZ47C1SNA197	DDMN47C1SNA197

Notes: * For 50 Ohm Coaxial substitute X for C. Example: DDMV24X7SNA197
For contacts with 30 microinches gold substitute K126 for A197. Example: DDMN24C7SNK126

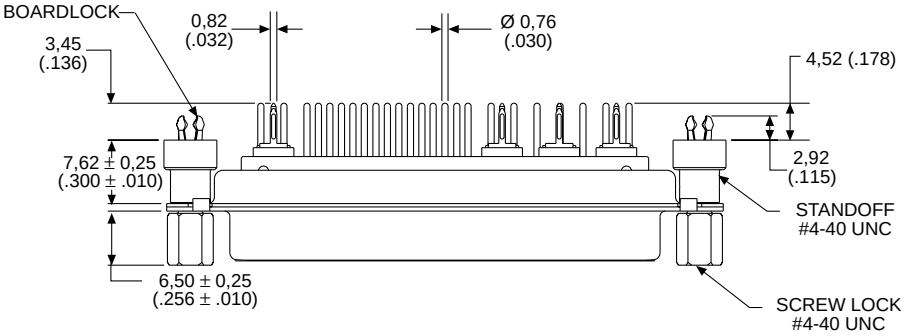
Reader's Resource

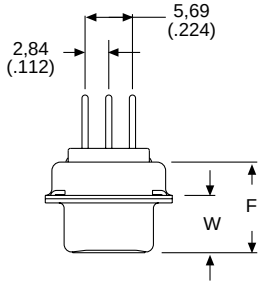
For contact cavity arrangements, see page 223.
For P.C. hole patterns, see page 243.
For panel cutouts, see page 221.
For alternate 50 Ohm coaxial configuration, see page 225.





Hardware and signal contacts removed for clarity





Hardware 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 ±0,38 (.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)

Coaxial Straight — European PC Tails (Sizes DE-DC)

Plug

Reader's Resource

For contact cavity arrangements, see page 222.

For P.C. hole patterns, see pages 238-239.

For panel cutouts, see page 221.

For alternate 50 Ohm coaxial configuration, see page 225.

75 Ohm Part Numbers* with Standoff #4-40 UNC

Shell Size	Layout	Part Number Without Screw Locks Without Boardlocks	Part Number Without Screw Locks With Boardlocks	Part Number With Screw Locks With Boardlocks
DE	5W1	DEMV5C1PYK87	DEMZ5C1PYK87	DEMN5C1PYK87
DA	7W2	DAMV7C2PYK87	DAMZ7C2PYK87	DAMN7C2PYK87
DA	11W1	DAMV11C1PYK87	DAMZ11C1PYK87	DAMN11C1PYK87
DA	3W3	DAMV3C3PYK87	DAMZ3C3PYK87	DAMN3C3PYK87
DA	3WK3♣	DAMV3CK3PYK87TM	DAMZ3CK3PYK87TM	DAMN3CK3PYK87TM
DB	5W5	DBMV5C5PYK87	DBMZ5C5PYK87	DBMN5C5PYK87
DB	9W4	DBMV9C4PYK87	DBMZ9C4PYK87	DBMN9C4PYK87
DB	13W3	DBMV13C3PYK87	DBMZ13C3PYK87	DBMN13C3PYK87
DB	17W2	DBMV17C2PYK87	DBMZ17C2PYK87	DBMN17C2PYK87
DB	21W1	DBMV21C1PYK87	DBMZ21C1PYK87	DBMN21C1PYK87
DC	8W8	DCMV8C8PYK87	DCMZ8C8PYK87	DCMN8C8PYK87
DC	13W6	DCMV13C6PYK87	DCMZ13C6PYK87	DCMN13C6PYK87
DC	17W5	DCMV17C5PYK87	DCMZ17C5PYK87	DCMN17C5PYK87
DC	21WA4	DCMV21CA4PYK87	DCMZ21CA4PYK87	DCMN21CA4PYK87
DC	25W3	DCMV25C3PYK87	DCMZ25C3PYK87	DCMN25C3PYK87
DC	27W2	DCMV27C2PYK87	DCMZ27C2PYK87	DCMN27C2PYK87

For M3 threads replace MV with MT, MZ with MQ, MN with MU.

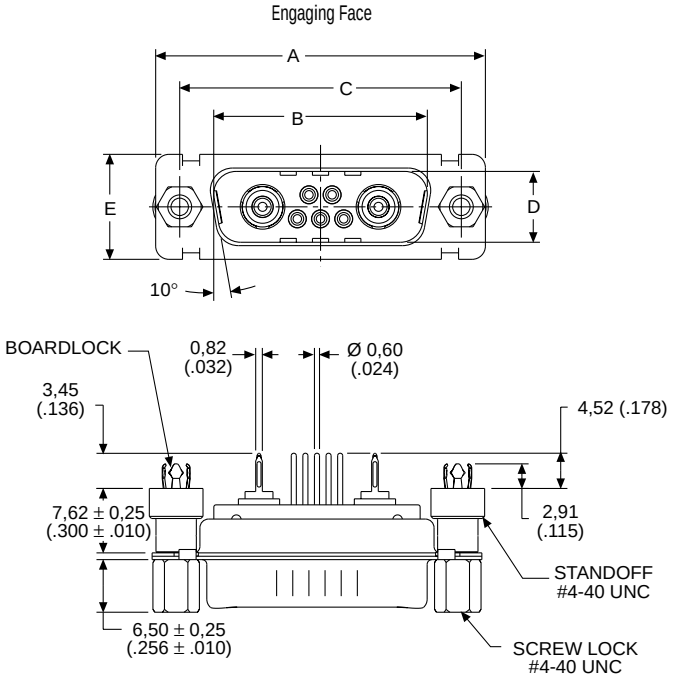
Notes: * For 50 Ohm Coaxial substitute X for C. Example: DEMV5X1PYK87

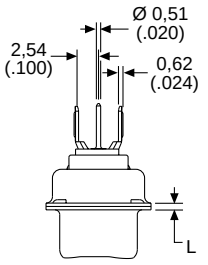
For tin plated PC tails add A226 (signal contacts only). Example: DEMV5C1PYK87A226

For performance class 2 substitute K127 for K87. Example: DEMV5C1PYK127

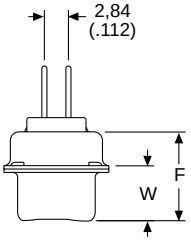
For DD shell sizes, see page 58.

♣ Keyed.





Hardware and signal contacts removed for clarity



Hardware 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 (.666)	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)

Coaxial Straight — European PC Tails (Sizes DE-DC)

Receptacle

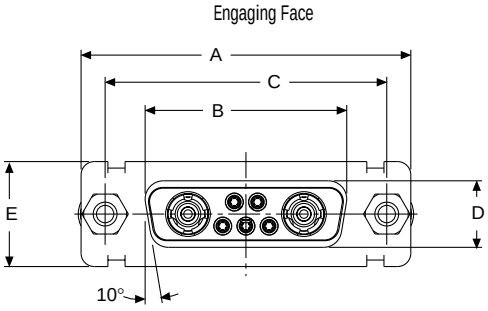
Reader's Resource

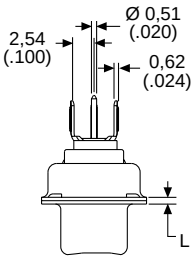
For contact cavity arrangements, see page 223.
For P.C. hole patterns, see pages 241-242.
For panel cutouts, see page 221.
For alternate 50 Ohm coaxial configuration, see page 225.

75 Ohm Part Numbers* with Standoff #4-40 UNC

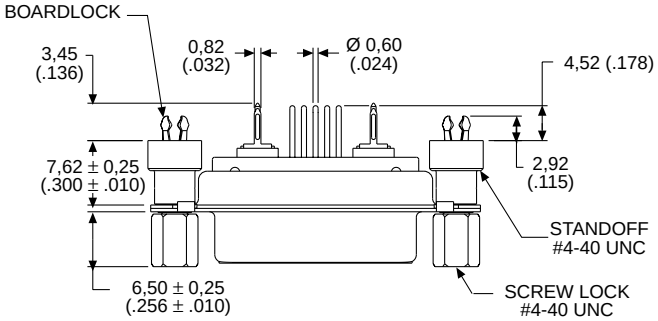
Shell Size	Layout	Part Number Without Screw Locks Without Boardlocks	Part Number Without Screw Locks With Boardlocks	Part Number With Screw Locks With Boardlocks
DE	5W1	DEMV5C1SYA197	DEMZ5C1SYA197	DEMN5C1SYA197
DA	7W2	DAMV7C2SYA197	DAMZ7C2SYA197	DAMN7C2SYA197
DA	11W1	DAMV11C1SYA197	DAMZ11C1SYA197	DAMN11C1SYA197
DA	3W3	DAMV3C3SYA197	DAMZ3C3SYA197	DAMN3C3SYA197
DA	3WK3♣	DAMV3CK3SYA197TM	DAMZ3CK3SYA197TM	DAMN3CK3SYA197TM
DB	5W5	DBMV5C5SYA197	DBMZ5C5SYA197	DBMN5C5SYA197
DB	9W4	DBMV9C4SYA197	DBMZ9C4SYA197	DBMN9C4SYA197
DB	13W3	DBMV13C3SYA197	DBMZ13C3SYA197	DBMN13C3SYA197
DB	17W2	DBMV17C2SYA197	DBMZ17C2SYA197	DBMN17C2SYA197
DB	21W1	DBMV21C1SYA197	DBMZ21C1SYA197	DBMN21C1SYA197
DC	8W8	DCMV8C8SYA197	DCMZ8C8SYA197	DCMN8C8SYA197
DC	13W6	DCMV13C6SYA197	DCMZ13C6SYA197	DCMN13C6SYA197
DC	17W5	DCMV17C5SYA197	DCMZ17C5SYA197	DCMN17C5SYA197
DC	21WA4	DCMV21CA4SYA197	DCMZ21CA4SYA197	DCMN21CA4SYA197
DC	25W3	DCMV25C3SYA197	DCMZ25C3SYA197	DCMN25C3SYA197
DC	27W2	DCMV27C2SYA197	DCMZ27C2SYA197	DCMN27C2SYA197

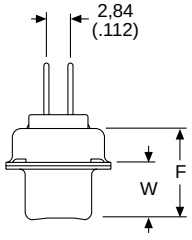
For M3 threads replace MV with MT, MZ with MQ, MN with MU.
Notes: * For 50 Ohm Coaxial substitute X for C. Example: DEMV5X1SYA197
For performance class 2 substitute K126 for A197. Example: DEMV5C1SYK126
For DD shell sizes, see page 59.
♣ Keyed.





Hardware and signal contacts removed for clarity





Hardware 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 ±0,38 (.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)	24,66 (.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)

Coaxial Straight — European PC Tails (Size DD)

Plug

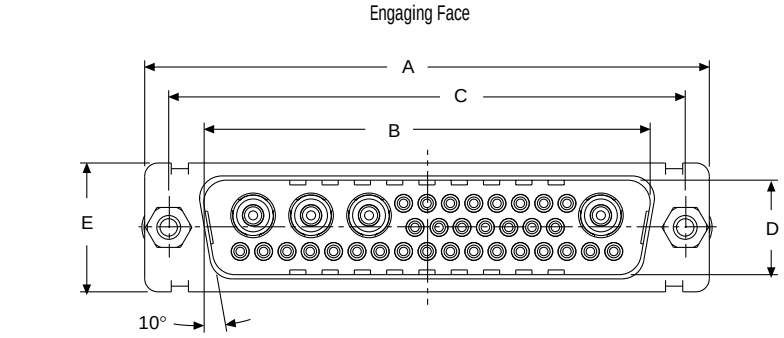
75 Ohm Part Numbers* with Standoff #4-40 UNC

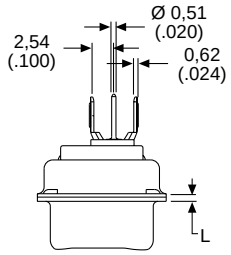
Shell Size	Layout	Part Number Without Screw Locks Without Boardlocks	Part Number Without Screw Locks With Boardlocks	Part Number With Screw Locks With Boardlocks
DD	24W7	DDMV24C7PYK87	DDMZ24C7PYK87	DDMN24C7PYK87
DD	36W4	DDMV36C4PYK87	DDMZ36C4PYK87	DDMN36C4PYK87
DD	43W2	DDMV43C2PYK87	DDMZ43C2PYK87	DDMN43C2PYK87
DD	47W1	DDMV47C1PYK87	DDMZ47C1PYK87	DDMN47C1PYK87

For M3 threads replace MV with MT, MZ with MQ, MN with MU.
Notes: * For 50 Ohm Coaxial substitute X for C. Example: DDMV24X7PYK87
For tin plated PC tails add A226 (signal contacts only). Example: DDMV24C7PYK87A226
For performance class 2 substitute K127 for K87. Example: DDMV24C7PYK127

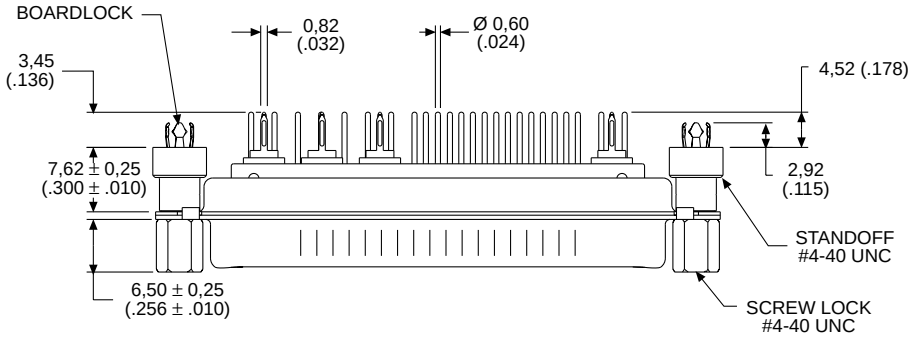
Reader's Resource

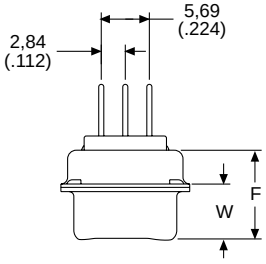
For contact cavity arrangements, see page 222.
For P.C. hole patterns, see page 240.
For panel cutouts, see page 221.
For alternate 50 Ohm coaxial configuration, see page 225.





Hardware and signal contacts removed for clarity





Hardware 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 ±0,41 (.016)	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)

Coaxial Straight — European PC Tails (Size DD)

Receptacle

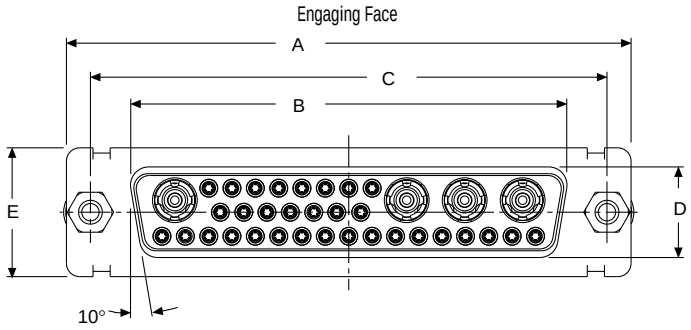
75 Ohm Part Numbers* with Standoff #4-40 UNC

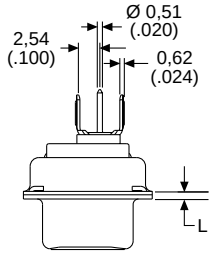
Shell Size	Layout	Part Number Without Screw Locks Without Boardlocks	Part Number Without Screw Locks With Boardlocks	Part Number With Screw Locks With Boardlocks
DD	24W7	DDMV24C7SYA197	DDMZ24C7SYA197	DDMN24C7SYA197
DD	36W4	DDMV36C4SYA197	DDMZ36C4SYA197	DDMN36C4SYA197
DD	43W2	DDMV43C2SYA197	DDMZ43C2SYA197	DDMN43C2SYA197
DD	47W1	DDMV47C1SYA197	DDMZ47C1SYA197	DDMN47C1SYA197

For M3 threads replace MV with MT, MZ with MQ, MN with MU.
Notes: * For 50 Ohm Coaxial substitute X for C. Example: DDMV24X7SYA197
For performance class 2 substitute K126 for A197. Example: DDMV24C7SYK126

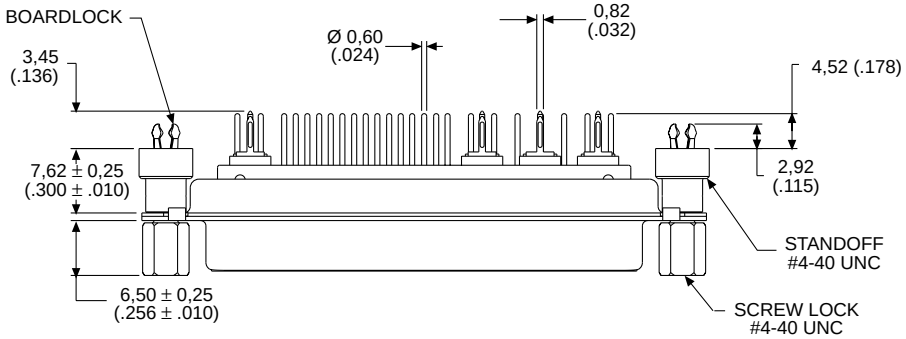
Reader's Resource

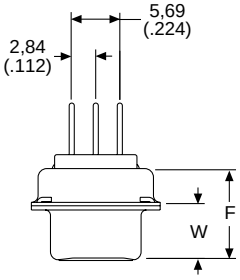
For contact cavity arrangements, see page 223.
For P.C. hole patterns, see page 243.
For panel cutouts, see page 221.
For alternate 50 Ohm coaxial configuration, see page 225.





Hardware and signal contacts removed for clarity





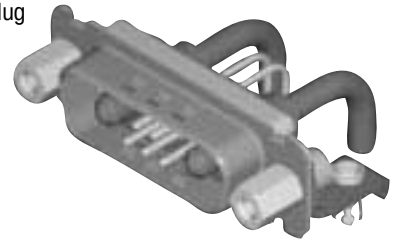
Hardware and coaxial contact removed for clarity

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 ±0,38 (.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° — Standard Footprint .489♦ or .454 inch♦♦ (Sizes DE-DC)

Plug



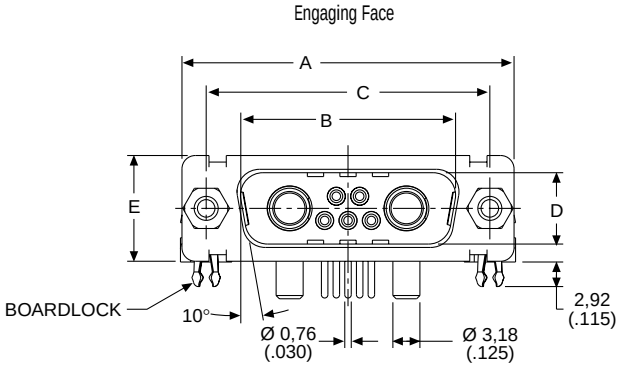
Reader's Resource

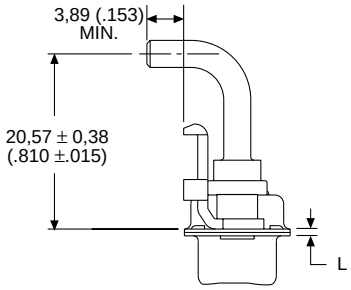
For contact cavity arrangements, see page 222.
For P.C. hole patterns, see pages 244-245.
For panel cutouts, see page 221.
For alternate bracket configuration (when connectors are supplied without boardlocks), see page 226.

Part Numbers with Metal Bracket and Rivnut #4-40 UNC

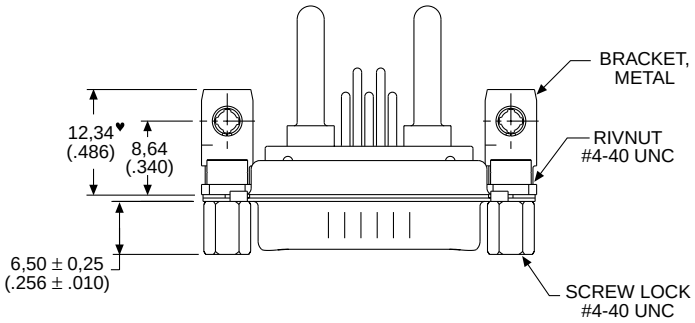
Shell Size	Layout	Part Number Without Screw Locks Without Boardlocks	Part Number Without Screw Locks With Boardlocks	Part Number With Screw Locks Without Boardlocks	Part Number With Screw Locks With Boardlocks
DE	5W1	DEMP5H1PJK87	DEMC5H1PJK87	DEMD5H1PJK87	DEMG5H1PJK87
DA	7W2	DAMP7H2PJK87	DAMC7H2PJK87	DAMD7H2PJK87	DAMG7H2PJK87
DA	11W1	DAMP11H1PJK87	DAMC11H1PJK87	DAMD11H1PJK87	DAMG11H1PJK87
DA	3W3	DAMP3H3PJK87	DAMC3H3PJK87	DAMD3H3PJK87	DAMG3H3PJK87
DA	3WK3♣	DAMP3HK3PJK87TM	DAMC3HK3PJK87TM	DAMD3HK3PJK87TM	DAMG3HK3PJK87TM
DB	5W5	DBMP5H5PJK87	DBMC5H5PJK87	DBMD5H5PJK87	DBMG5H5PJK87
DB	9W4	DBMP9H4PJK87	DBMC9H4PJK87	DBMD9H4PJK87	DBMG9H4PJK87
DB	13W3	DBMP13H3PJK87	DBMC13H3PJK87	DBMD13H3PJK87	DBMG13H3PJK87
DB	17W2	DBMP17H2PJK87	DBMC17H2PJK87	DBMD17H2PJK87	DBMG17H2PJK87
DB	21W1	DBMP21H1PJK87	DBMC21H1PJK87	DBMD21H1PJK87	DBMG21H1PJK87
DC	8W8	DCMP8H8PJK87	DCMC8H8PJK87	DCMD8H8PJK87	DCMG8H8PJK87
DC	13W6	DCMP13H6PJK87	DCMC13H6PJK87	DCMD13H6PJK87	DCMG13H6PJK87
DC	17W5	DCMP17H5PJK87	DCMC17H5PJK87	DCMD17H5PJK87	DCMG17H5PJK87
DC	21WA4	DCMP21HA4PJK87	DCMC21HA4PJK87	DCMD21HA4PJK87	DCMG21HA4PJK87
DC	25W3	DCMP25H3PJK87	DCMC25H3PJK87	DCMD25H3PJK87	DCMG25H3PJK87
DC	27W2	DCMP27H2PJK87	DCMC27H2PJK87	DCMD27H2PJK87	DCMG27H2PJK87

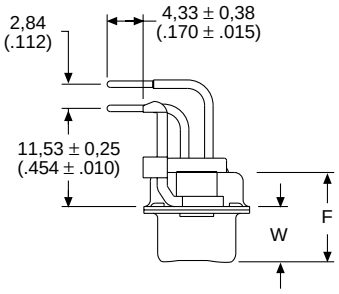
Note: For contacts with 30 microinches gold substitute K127 for K87. Example: DEMP5H1PJK127
For DD shell sizes, see page 62.
♣ Keyed.





Screw lock, boardlock, and signal contacts removed for clarity





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

Note: ♥ Dimension varies with alternate bracket configuration, see Reader's Resource page 226.

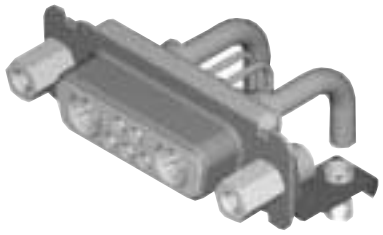
Dimensions

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 (.666)	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)

♦ Connector footprint measured from the front shell.
♦♦ Connector footprint measured from the rear shell.

40 A High Power 90° — Standard Footprint .489♦ or .454 inch♦♦ (Sizes DE-DC)

Receptacle



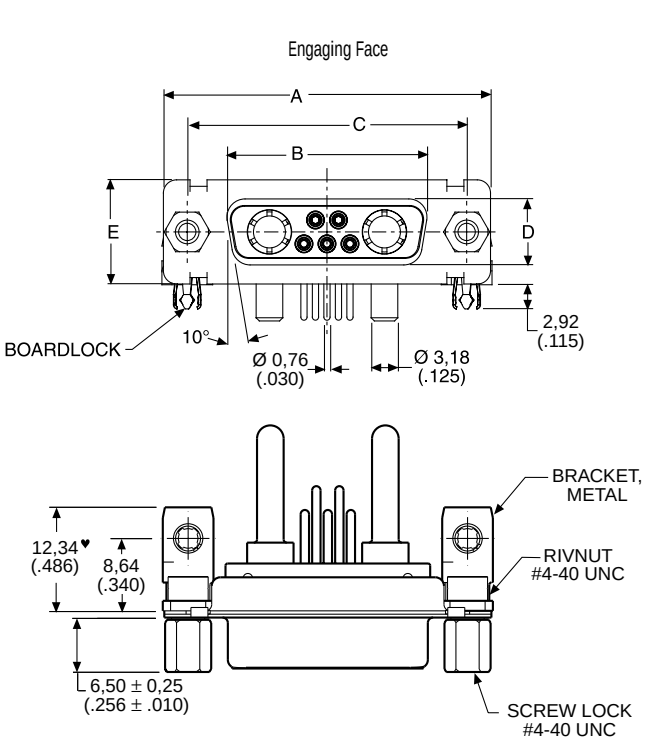
Reader's Resource

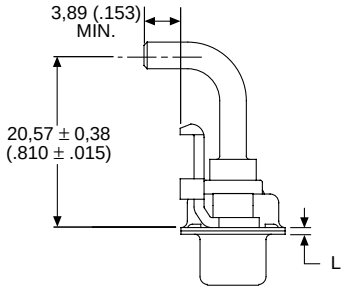
For contact cavity arrangements, see page 223.
For P.C. hole patterns, see pages 247-248.
For panel cutouts, see page 221.
For alternate bracket configuration (when connectors are supplied without boardlocks), see page 226.

Part Numbers with Metal Bracket and Rivnut #4-40 UNC

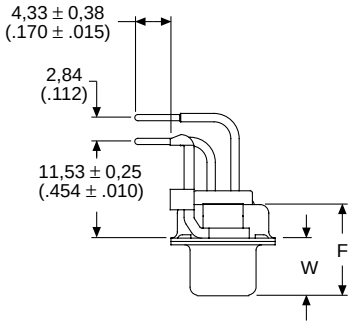
Shell Size	Layout	Part Number Without Screw Locks Without Boardlocks	Part Number Without Screw Locks With Boardlocks	Part Number With Screw Locks Without Boardlocks	Part Number With Screw Locks With Boardlocks
DE	5W1	DEMP5H1SJA197	DEMC5H1SJA197	DEMD5H1SJA197	DEMG5H1SJA197
DA	7W2	DAMP7H2SJA197	DAMC7H2SJA197	DAMD7H2SJA197	DAMG7H2SJA197
DA	11W1	DAMP11H1SJA197	DAMC11H1SJA197	DAMD11H1SJA197	DAMG11H1SJA197
DA	3W3	DAMP3H3SJA197	DAMC3H3SJA197	DAMD3H3SJA197	DAMG3H3SJA197
DA	3WK3♣	DAMP3HK3SJA197TM	DAMC3HK3SJA197TM	DAMD3HK3SJA197TM	DAMG3HK3SJA197TM
DB	5W5	DBMP5H5SJA197	DBMC5H5SJA197	DBMD5H5SJA197	DBMG5H5SJA197
DB	9W4	DBMP9H4SJA197	DBMC9H4SJA197	DBMD9H4SJA197	DBMG9H4SJA197
DB	13W3	DBMP13H3SJA197	DBMC13H3SJA197	DBMD13H3SJA197	DBMG13H3SJA197
DB	17W2	DBMP17H2SJA197	DBMC17H2SJA197	DBMD17H2SJA197	DBMG17H2SJA197
DB	21W1	DBMP21H1SJA197	DBMC21H1SJA197	DBMD21H1SJA197	DBMG21H1SJA197
DC	8W8	DCMP8H8SJA197	DCMC8H8SJA197	DCMD8H8SJA197	DCMG8H8SJA197
DC	13W6	DCMP13H6SJA197	DCMC13H6SJA197	DCMD13H6SJA197	DCMG13H6SJA197
DC	17W5	DCMP17H5SJA197	DCMC17H5SJA197	DCMD17H5SJA197	DCMG17H5SJA197
DC	21WA4	DCMP21HA4SJA197	DCMC21HA4SJA197	DCMD21HA4SJA197	DCMG21HA4SJA197
DC	25W3	DCMP25H3SJA197	DCMC25H3SJA197	DCMD25H3SJA197	DCMG25H3SJA197
DC	27W2	DCMP27H2SJA197	DCMC27H2SJA197	DCMD27H2SJA197	DCMG27H2SJA197

Note: For contacts with 30 microinches of gold substitute K126 for A197. Example: DEMP5H1SJK126
For DD shell sizes, see page 63.
♣ Keyed.





Screw lock, boardlock, and signal contacts removed for clarity



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

Note: ♥ Dimension varies with alternate bracket configuration, see Reader's Resource page 226.

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)	24,66 (.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)

♦ Connector footprint measured from the front shell.
♦♦ Connector footprint measured from the rear shell.

40 A High Power 90° — Standard Footprint .489♦ or .454 inch♦♦ (Size DD)

Plug

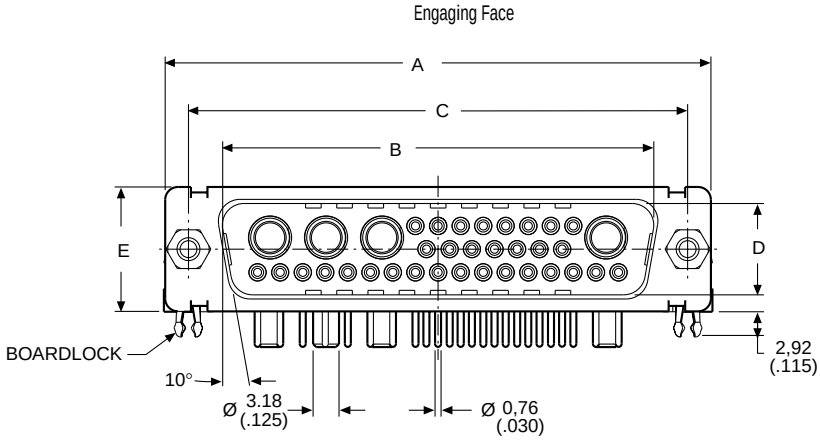
Part Numbers with Metal Bracket and Rivnut #4-40 UNC

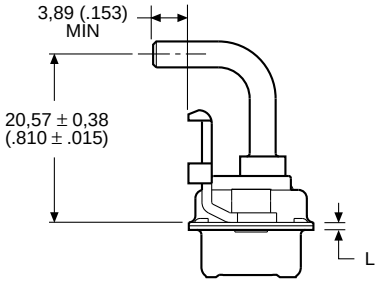
Shell Size	Layout	Part Number Without Screw Locks Without Boardlocks	Part Number Without Screw Locks With Boardlocks	Part Number With Screw Locks Without Boardlocks	Part Number With Screw Locks With Boardlocks
DD	24W7	DDMP24H7PJK87	DDMC24H7PJK87	DDMD24H7PJK87	DDMG24H7PJK87
DD	36W4	DDMP36H4PJK87	DDMC36H4PJK87	DDMD36H4PJK87	DDMG36H4PJK87
DD	43W2	DDMP43H2PJK87	DDMC43H2PJK87	DDMD43H2PJK87	DDMG43H2PJK87
DD	47W1	DDMP47H1PJK87	DDMC47H1PJK87	DDMD47H1PJK87	DDMG47H1PJK87

Note: For contacts with 30 microinches gold substitute K127 for K87. Example: DDMP24H7PJK127

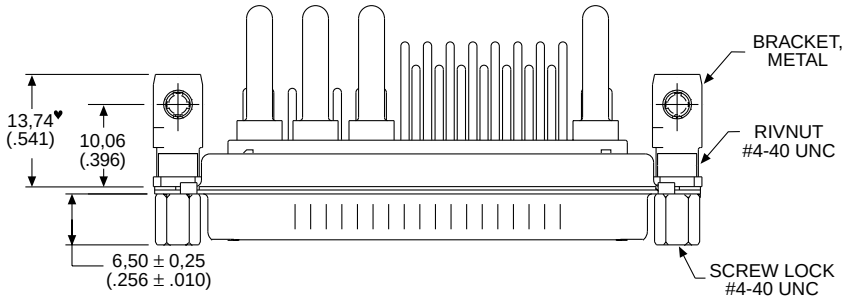
Reader's Resource

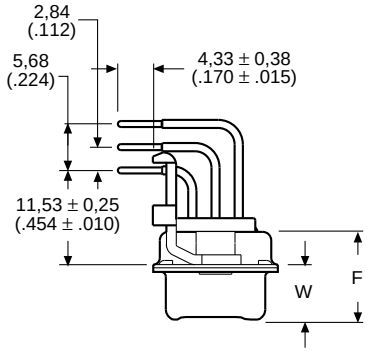
For contact cavity arrangements, see page 222.
For P.C. hole patterns, see page 246.
For panel cutouts, see page 221.
For alternate bracket configuration (when connectors are supplied without boardlocks), see page 226.





Screw lock, boardlock, and signal contacts removed for clarity





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

Note: ♥ Dimension varies with alternate bracket configuration, see Reader's Resource page 226.

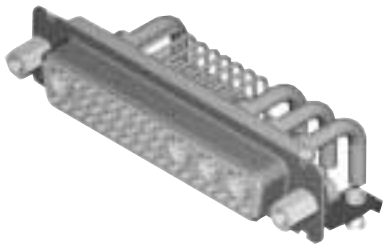
Dimensions

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 (.016)	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)

♦ Connector footprint measured from the front shell.
♦♦ Connector footprint measured from the rear shell.

40 A High Power 90° — Standard Footprint .489♦ or .454 inch♦♦ (Size DD)

Receptacle



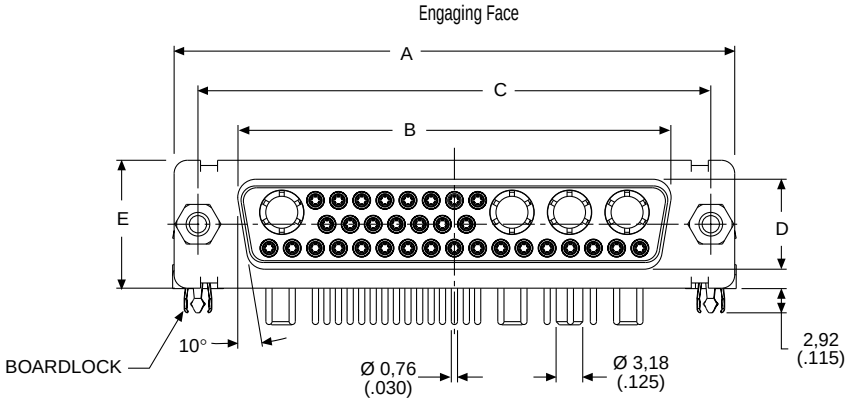
Part Numbers with Metal Bracket and Rivnut #4-40 UNC

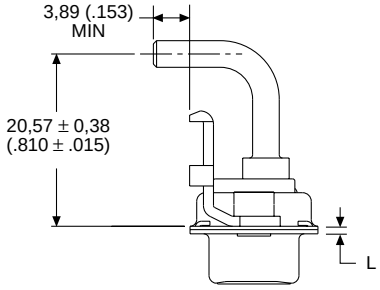
Shell Size	Layout	Part Number Without Screw Locks Without Boardlocks	Part Number Without Screw Locks With Boardlocks	Part Number With Screw Locks Without Boardlocks	Part Number With Screw Locks With Boardlocks
DD	24W7	DDMP24H7SJA197	DDMC24H7SJA197	DDMD24H7SJA197	DDMG24H7SJA197
DD	36W4	DDMP36H4SJA197	DDMC36H4SJA197	DDMD36H4SJA197	DDMG36H4SJA197
DD	43W2	DDMP43H2SJA197	DDMC43H2SJA197	DDMD43H2SJA197	DDMG43H2SJA197
DD	47W1	DDMP47H1SJA197	DDMC47H1SJA197	DDMD47H1SJA197	DDMG47H1SJA197

Note: For contacts with 30 microinches gold substitute K126 for A197. Example: DDMP24H7SJK126

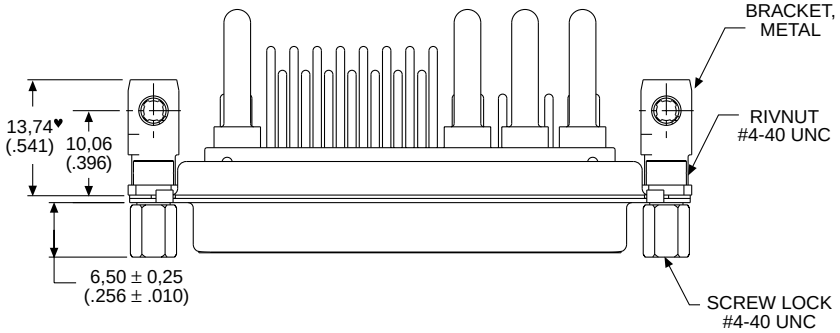
Reader's Resource

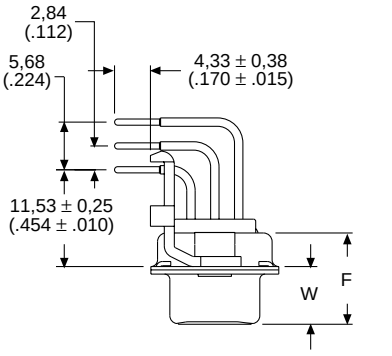
For contact cavity arrangements, see page 223.
For P.C. hole patterns, see page 249.
For panel cutouts, see page 221.
For alternate bracket configuration (when connectors are supplied without boardlocks), see page 226.





Screw lock, boardlock, and signal contacts removed for clarity





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

Note: ♥ Dimension varies with alternate bracket configuration, see page 226.

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)

♦ Connector footprint measured from the front shell.
♦♦ Connector footprint measured from the rear shell.

40 A High Power 90° — European Footprint 10,2♦ or 9,4 mm♦♦ (Sizes DE-DC)

Plug

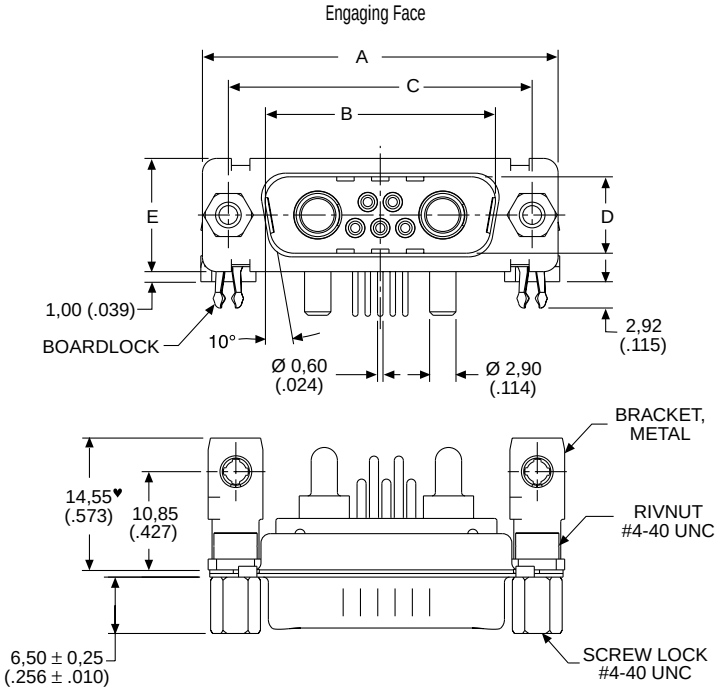
Reader's Resource

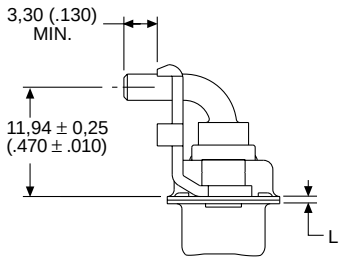
For contact cavity arrangements, see page 222.
For P.C. hole patterns, see pages 250-251.
For panel cutouts, see page 221.
For alternate bracket configuration (when connectors are supplied without boardlocks), see page 226.

Part Numbers with Metal Bracket and Rivnut #4-40 UNC

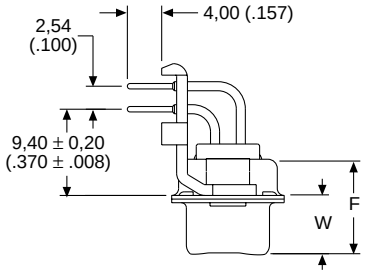
Shell Size	Layout	Part Number Without Screw Locks Without Boardlocks	Part Number Without Screw Locks With Boardlocks	Part Number With Screw Locks Without Boardlocks	Part Number With Screw Locks With Boardlocks
DE	5W1	DEMP5P1PVK87	DEMC5P1PVK87	DEMD5P1PVK87	DEMG5P1PVK87
DA	7W2	DAMP7P2PVK87	DAMC7P2PVK87	DAMD7P2PVK87	DAMG7P2PVK87
DA	11W1	DAMP11P1PVK87	DAMC11P1PVK87	DAMD11P1PVK87	DAMG11P1PVK87
DA	3W3	DAMP3P3PVK87	DAMC3P3PVK87	DAMD3P3PVK87	DAMG3P3PVK87
DA	3WK3♣	DAMP3PK3PVK87TM	DAMC3PK3PVK87TM	DAMD3PK3PVK87TM	DAMG3PK3PVK87TM
DB	5W5	DBMP5P5PVK87	DBMC5P5PVK87	DBMD5P5PVK87	DBMG5P5PVK87
DB	9W4	DBMP9P4PVK87	DBMC9P4PVK87	DBMD9P4PVK87	DBMG9P4PVK87
DB	13W3	DBMP13P3PVK87	DBMC13P3PVK87	DBMD13P3PVK87	DBMG13P3PVK87
DB	17W2	DBMP17P2PVK87	DBMC17P2PVK87	DBMD17P2PVK87	DBMG17P2PVK87
DB	21W1	DBMP21P1PVK87	DBMC21P1PVK87	DBMD21P1PVK87	DBMG21P1PVK87
DC	8W8	DCMP8P8PVK87	DCMC8P8PVK87	DCMD8P8PVK87	DCMG8P8PVK87
DC	13W6	DCMP13P6PVK87	DCMC13P6PVK87	DCMD13P6PVK87	DCMG13P6PVK87
DC	17W5	DCMP17P5PVK87	DCMC17P5PVK87	DCMD17P5PVK87	DCMG17P5PVK87
DC	21WA4	DCMP21PA4PVK87	DCMC21PA4PVK87	DCMD21PA4PVK87	DCMG21PA4PVK87
DC	25W3	DCMP25P3PVK87	DCMC25P3PVK87	DCMD25P3PVK87	DCMG25P3PVK87
DC	27W2	DCMP27P2PVK87	DCMC27P2PVK87	DCMD27P2PVK87	DCMG27P2PVK87

For M3 threads replace MP with MS, MC with ML, MD with MO, MG with MJ.
Notes: For tin plated PC tails add A226 (signal contacts only). Example DEMP5P1PVK87A226
For performance class 2 substitute K127 for K87. Example: DEMP5P1PVK127
♣ Keyed.





Screw lock, boardlock, and signal contacts removed for clarity



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

Note: ♥ Dimension varies with alternate bracket configuration, see Reader's Resource page 226.

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 (.666)	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)

♦ Connector footprint measured from the front shell.
♦♦ Connector footprint measured from the rear shell.

40 A High Power 90° — European Footprint 10,2♦ or 9,4 mm♦♦ (Sizes DE-DC)

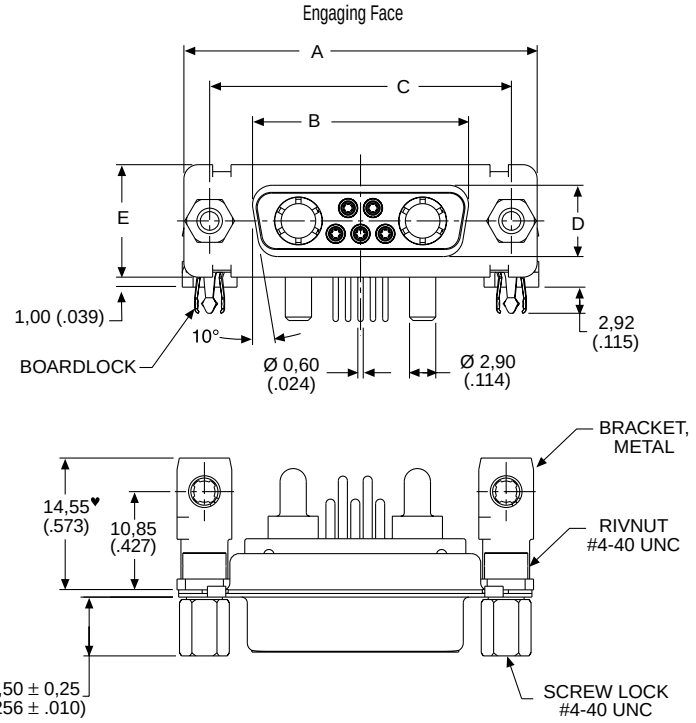
Receptacle

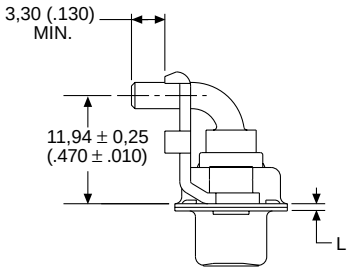
Reader's Resource
For contact cavity arrangements, see page 223.
For P.C. hole patterns, see pages 252-253.
For panel cutouts, see page 221.
For alternate bracket configuration (when connectors are supplied without boardlocks), see page 226.

Part Numbers with Metal Bracket and Rivnut #4-40 UNC

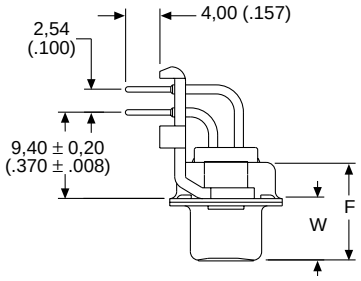
Shell Size	Layout	Part Number Without Screw Locks Without Boardlocks	Part Number Without Screw Locks With Boardlocks	Part Number With Screw Locks Without Boardlocks	Part Number With Screw Locks With Boardlocks
DE	5W1	DEMP5P1SVA197	DEMC5P1SVA197	DEMD5P1SVA197	DEMG5P1SVA197
DA	7W2	DAMP7P2SVA197	DAMC7P2SVA197	DAMD7P2SVA197	DAMG7P2SVA197
DA	11W1	DAMP11P1SVA197	DAMC11P1SVA197	DAMD11P1SVA197	DAMG11P1SVA197
DA	3W3	DAMP3P3SVA197	DAMC3P3SVA197	DAMD3P3SVA197	DAMG3P3SVA197
DA	3WK3♣	DAMP3PK3SVA197TM	DAMC3PK3SVA197TM	DAMD3PK3SVA197TM	DAMG3PK3SVA197TM
DB	5W5	DBMP5P5SVA197	DBMC5P5SVA197	DBMD5P5SVA197	DBMG5P5SVA197
DB	9W4	DBMP9P4SVA197	DBMC9P4SVA197	DBMD9P4SVA197	DBMG9P4SVA197
DB	13W3	DBMP13P3SVA197	DBMC13P3SVA197	DBMD13P3SVA197	DBMG13P3SVA197
DB	17W2	DBMP17P2SVA197	DBMC17P2SVA197	DBMD17P2SVA197	DBMG17P2SVA197
DB	21W1	DBMP21P1SVA197	DBMC21P1SVA197	DBMD21P1SVA197	DBMG21P1SVA197
DC	8W8	DCMP8P8SVA197	DCMC8P8SVA197	DCMD8P8SVA197	DCMG8P8SVA197
DC	13W6	DCMP13P6SVA197	DCMC13P6SVA197	DCMD13P6SVA197	DCMG13P6SVA197
DC	17W5	DCMP17P5SVA197	DCMC17P5SVA197	DCMD17P5SVA197	DCMG17P5SVA197
DC	21WA4	DCMP21PA4SVA197	DCMC21PA4SVA197	DCMD21PA4SVA197	DCMG21PA4SVA197
DC	25W3	DCMP25P3SVA197	DCMC25P3SVA197	DCMD25P3SVA197	DCMG25P3SVA197
DC	27W2	DCMP27P2SVA197	DCMC27P2SVA197	DCMD27P2SVA197	DCMG27P2SVA197

For M3 threads replace MP with MS, MC with ML, MD with MO, MG with MJ.
Notes: For performance class 2 substitute K126 for A197. Example: DEMP5P1SVK126
♣ Keyed.





Screw lock, boardlock, and signal contacts removed for clarity



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

Note: ♥ Dimension varies with alternate bracket configuration, see Reader's Resource page 226.

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)	24,66 (.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)

♦ Connector footprint measured from the front shell.
♦♦ Connector footprint measured from the rear shell.

40 A High Power Straight — Standard PC Tails (Sizes DE-DC)

Plug

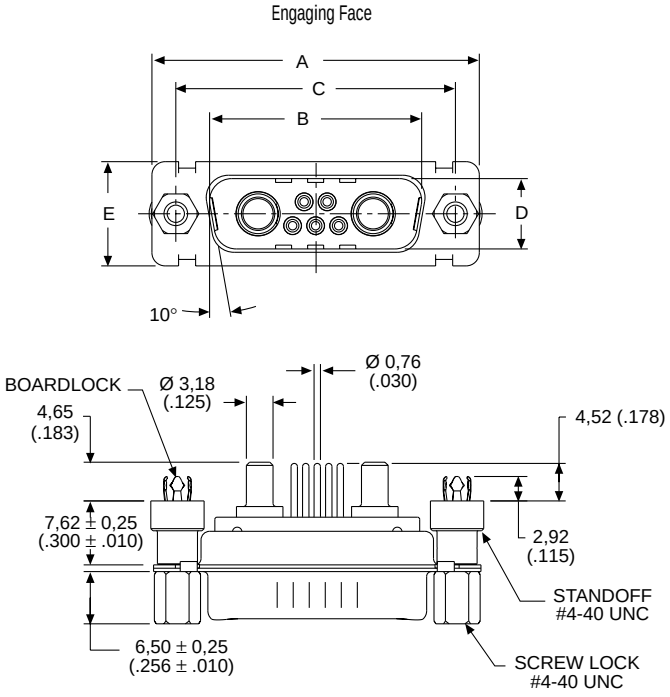
Reader's Resource

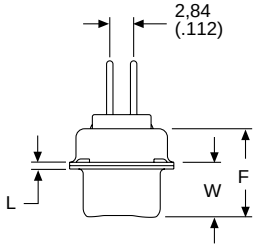
For contact cavity arrangements, see page 222.
For P.C. hole patterns, see pages 254-255.
For panel cutouts, see page 221.

Part Numbers with Standoff #4-40 UNC

Shell Size	Layout	Part Number Without Screw Locks Without Boardlocks	Part Number Without Screw Locks With Boardlocks	Part Number With Screw Locks With Boardlocks
DE	5W1	DEMV5H1PNK87	DEMZ5H1PNK87	DEMN5H1PNK87
DA	7W2	DAMV7H2PNK87	DAMZ7H2PNK87	DAMN7H2PNK87
DA	11W1	DAMV11H1PNK87	DAMZ11H1PNK87	DAMN11H1PNK87
DA	3W3	DAMV3H3PNK87	DAMZ3H3PNK87	DAMN3H3PNK87
DA	3WK3♣	DAMV3HK3PNK87TM	DAMZ3HK3PNK87TM	DAMN3HK3PNK87TM
DB	5W5	DBMV5H5PNK87	DBMZ5H5PNK87	DBMN5H5PNK87
DB	9W4	DBMV9H4PNK87	DBMZ9H4PNK87	DBMN9H4PNK87
DB	13W3	DBMV13H3PNK87	DBMZ13H3PNK87	DBMN13H3PNK87
DB	17W2	DBMV17H2PNK87	DBMZ17H2PNK87	DBMN17H2PNK87
DB	21W1	DBMV21H1PNK87	DBMZ21H1PNK87	DBMN21H1PNK87
DC	8W8	DCMV8H8PNK87	DCMZ8H8PNK87	DCMN8H8PNK87
DC	13W6	DCMV13H6PNK87	DCMZ13H6PNK87	DCMN13H6PNK87
DC	17W5	DCMV17H5PNK87	DCMZ17H5PNK87	DCMN17H5PNK87
DC	21WA4	DCMV21HA4PNK87	DCMZ21HA4PNK87	DCMN21HA4PNK87
DC	25W3	DCMV25H3PNK87	DCMZ25H3PNK87	DCMN25H3PNK87
DC	27W2	DCMV27H2PNK87	DCMZ27H2PNK87	DCMN27H2PNK87

Note: For contacts with 30 microinches gold substitute K127 for K87. Example: DEMV5H1PNK127
For DD shell sizes, see page 68.
♣ Keyed.





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 ±0,368 (.0145)	W ±0,41 (.016)	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)	—	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)

40 A High Power Straight — Standard PC Tails (Sizes DE-DC)

Receptacle

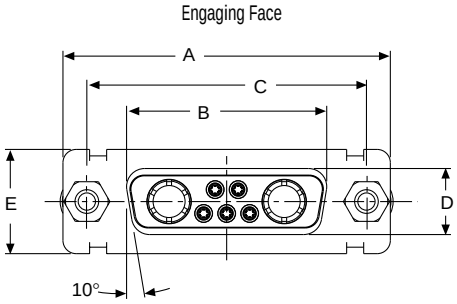
Reader's Resource

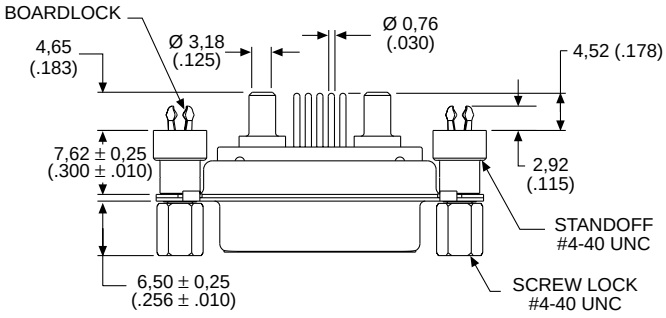
For contact cavity arrangements, see page 223.
For P.C. hole patterns, see pages 257-258.
For panel cutouts, see page 221.

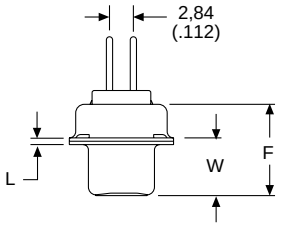
Part Numbers with Standoff #4-40 UNC

Shell Size	Layout	Part Number Without Screw Locks Without Boardlocks	Part Number Without Screw Locks With Boardlocks	Part Number With Screw Locks With Boardlocks
DE	5W1	DEMV5H1SNA197	DEMZ5H1SNA197	DEMN5H1SNA197
DA	7W2	DAMV7H2SNA197	DAMZ7H2SNA197	DAMN7H2SNA197
DA	11W1	DAMV11H1SNA197	DAMZ11H1SNA197	DAMN11H1SNA197
DA	3W3	DAMV3H3SNA197	DAMZ3H3SNA197	DAMN3H3SNA197
DA	3WK3♣	DAMV3HK3SNA197TM	DAMZ3HK3SNA197TM	DAMN3HK3SNA197TM
DB	5W5	DBMV5H5SNA197	DBMZ5H5SNA197	DBMN5H5SNA197
DB	9W4	DBMV9H4SNA197	DBMZ9H4SNA197	DBMN9H4SNA197
DB	13W3	DBMV13H3SNA197	DBMZ13H3SNA197	DBMN13H3SNA197
DB	17W2	DBMV17H2SNA197	DBMZ17H2SNA197	DBMN17H2SNA197
DB	21W1	DBMV21H1SNA197	DBMZ21H1SNA197	DBMN21H1SNA197
DC	8W8	DCMV8H8SNA197	DCMZ8H8SNA197	DCMN8H8SNA197
DC	13W6	DCMV13H6SNA197	DCMZ13H6SNA197	DCMN13H6SNA197
DC	17W5	DCMV17H5SNA197	DCMZ17H5SNA197	DCMN17H5SNA197
DC	21WA4	DCMV21HA4SNA197	DCMZ21HA4SNA197	DCMN21HA4SNA197
DC	25W3	DCMV25H3SNA197	DCMZ25H3SNA197	DCMN25H3SNA197
DC	27W2	DCMV27H2SNA197	DCMZ27H2SNA197	DCMN27H2SNA197

Note: For contacts with 30 microinches gold substitute K126 for A197. Example: DEMV5H1SNK126
For DD shell sizes, see page 69.
♣ Keyed.







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)
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)	24,66 (.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)

40 A High Power Straight — Standard PC Tails (Size DD)

Plug

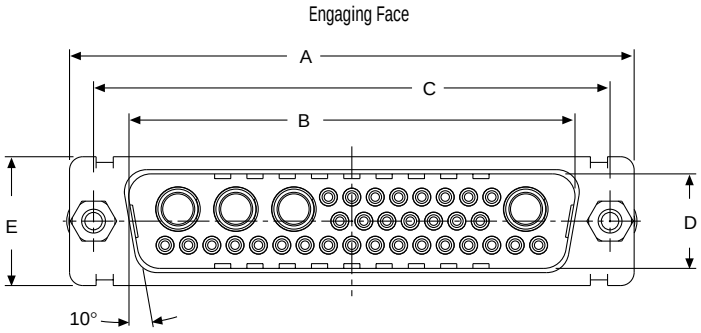
Part Numbers with Standoff #4-40 UNC

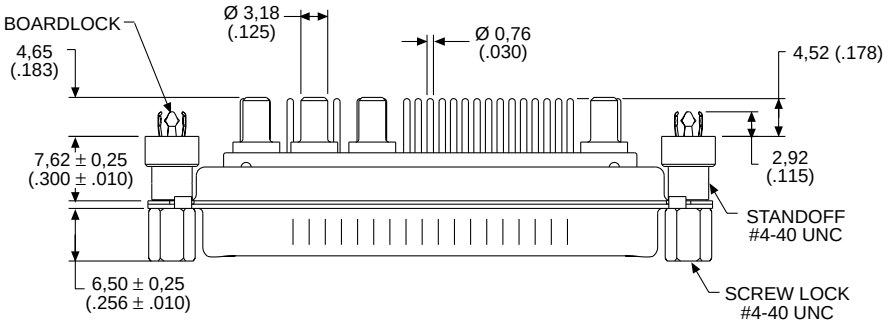
Shell Size	Layout	Part Number Without Screw Locks Without Boardlocks	Part Number Without Screw Locks With Boardlocks	Part Number With Screw Locks With Boardlocks
DD	24W7	DDMV24H7PNK87	DDMZ24H7PNK87	DDMN24H7PNK87
DD	36W4	DDMV36H4PNK87	DDMZ36H4PNK87	DDMN36H4PNK87
DD	43W2	DDMV43H2PNK87	DDMZ43H2PNK87	DDMN43H2PNK87
DD	47W1	DDMV47H1PNK87	DDMZ47H1PNK87	DDMN47H1PNK87

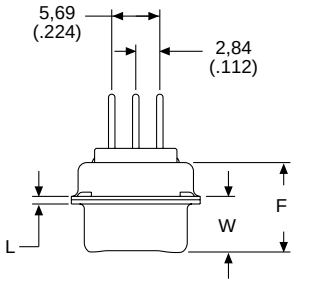
Note: For contacts with 30 microinches gold substitute K127 for K87. Example: DDMV24H7PNK127

Reader's Resource

For contact cavity arrangements, see page 222.
For P.C. hole patterns, see page 256.
For panel cutouts, see page 221.







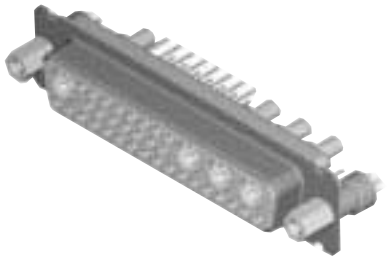
Screw lock, boardlock, and high power contact removed for clarity

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 (.016)	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)

40 A High Power Straight — Standard PC Tails (Size DD)

Receptacle



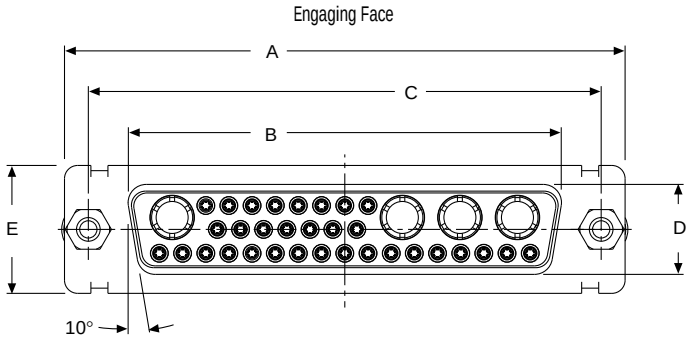
Part Numbers with Standoff #4-40 UNC

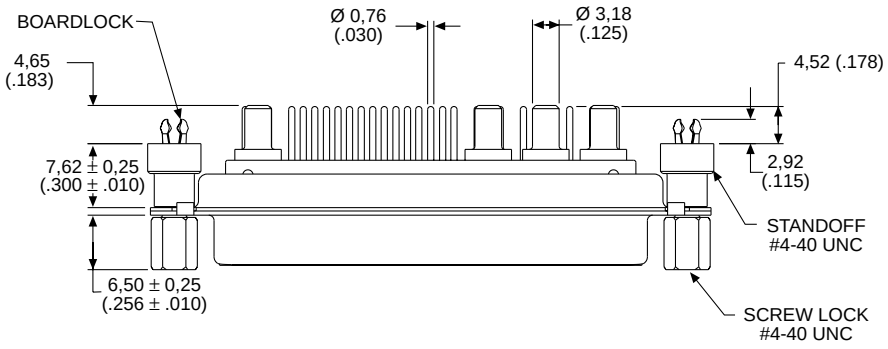
Shell Size	Layout	Part Number Without Screw Locks Without Boardlocks	Part Number Without Screw Locks With Boardlocks	Part Number With Screw Locks With Boardlocks
DD	24W7	DDMV24H7SNA197	DDMZ24H7SNA197	DDMN24H7SNA197
DD	36W4	DDMV36H4SNA197	DDMZ36H4SNA197	DDMN36H4SNA197
DD	43W2	DDMV43H2SNA197	DDMZ43H2SNA197	DDMN43H2SNA197
DD	47W1	DDMV47H1SNA197	DDMZ47H1SNA197	DDMN47H1SNA197

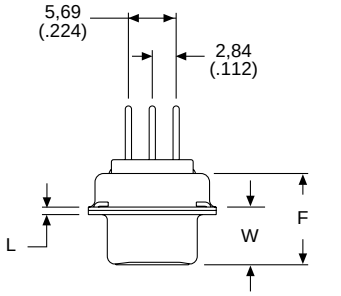
Note: For contacts with 30 microinches gold substitute K126 for A197. Example: DDMV24H7SNK126

Reader's Resource

For contact cavity arrangements, see page 223.
For P.C. hole patterns, see page 259.
For panel cutouts, see page 221.







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 Straight — European PC Tails (Sizes DE-DC)

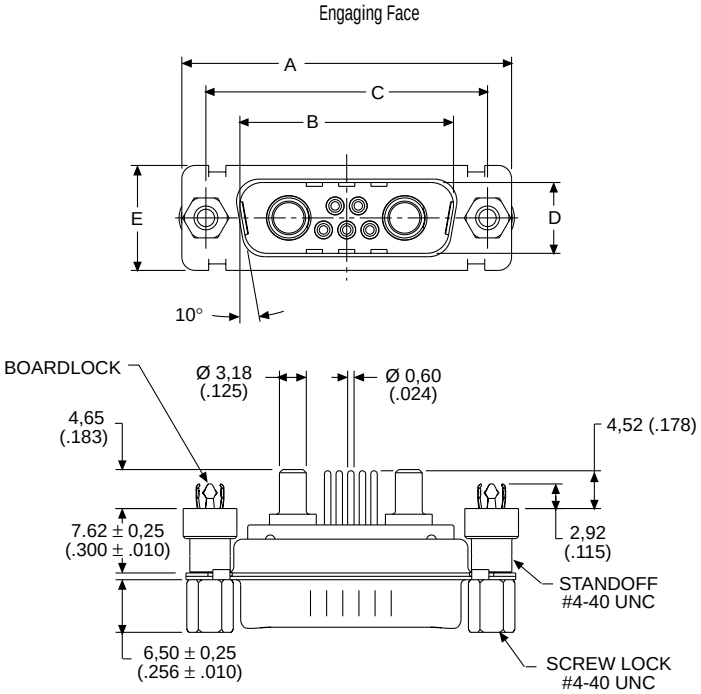
Plug

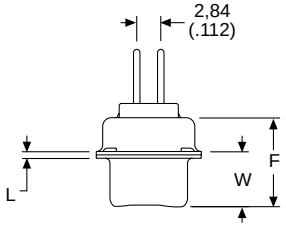
Reader's Resource
For contact cavity arrangements, see page 222.
For P.C. hole patterns, see pages 254-255.
For panel cutouts, see page 221.

Part Numbers with Standoff #4-40 UNC

Shell Size	Layout	Part Number Without Screw Locks Without Boardlocks	Part Number Without Screw Locks With Boardlocks	Part Number With Screw Locks With Boardlocks
DE	5W1	DEMV5H1PYK87	DEMZ5H1PYK87	DEMN5H1PYK87
DA	7W2	DAMV7H2PYK87	DAMZ7H2PYK87	DAMN7H2PYK87
DA	11W1	DAMV11H1PYK87	DAMZ11H1PYK87	DAMN11H1PYK87
DA	3W3	DAMV3H3PYK87	DAMZ3H3PYK87	DAMN3H3PYK87
DA	3WK3♣	DAMV3HK3PYK87TM	DAMZ3HK3PYK87TM	DAMN3HK3PYK87TM
DB	5W5	DBMV5H5PYK87	DBMZ5H5PYK87	DBMN5H5PYK87
DB	9W4	DBMV9H4PYK87	DBMZ9H4PYK87	DBMN9H4PYK87
DB	13W3	DBMV13H3PYK87	DBMZ13H3PYK87	DBMN13H3PYK87
DB	17W2	DBMV17H2PYK87	DBMZ17H2PYK87	DBMN17H2PYK87
DB	21W1	DBMV21H1PYK87	DBMZ21H1PYK87	DBMN21H1PYK87
DC	8W8	DCMV8H8PYK87	DCMZ8H8PYK87	DCMN8H8PYK87
DC	13W6	DCMV13H6PYK87	DCMZ13H6PYK87	DCMN13H6PYK87
DC	17W5	DCMV17H5PYK87	DCMZ17H5PYK87	DCMN17H5PYK87
DC	21WA4	DCMV21HA4PYK87	DCMZ21HA4PYK87	DCMN21HA4PYK87
DC	25W3	DCMV25H3PYK87	DCMZ25H3PYK87	DCMN25H3PYK87
DC	27W2	DCMV27H2PYK87	DCMZ27H2PYK87	DCMN27H2PYK87

For M3 threads replace MV with MT, MZ with MQ, MN with MU.
Notes: For tin plated PC tails add A226 (signal contacts only). Example: DEMV5H1PYK87A226
For performance class 2 substitute K127 for K87. Example: DEMV5H1PYK127
For DD shell sizes, see page 72.
♣ Keyed.





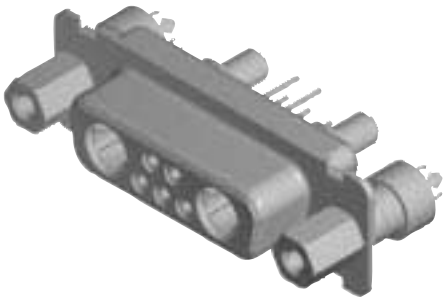
Screw lock, boardlock, and high power contact removed for clarity

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 ±0,368 (.0145)	W ±0,41 (.016)	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)	—	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)

40 A High Power Straight — European PC Tails (Sizes DE-DC)

Receptacle



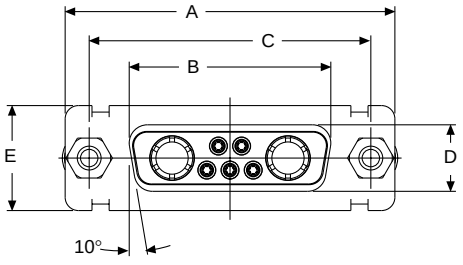
Reader's Resource
For contact cavity arrangements, see page 223.
For P.C. hole patterns, see pages 257-258.
For panel cutouts, see page 221.

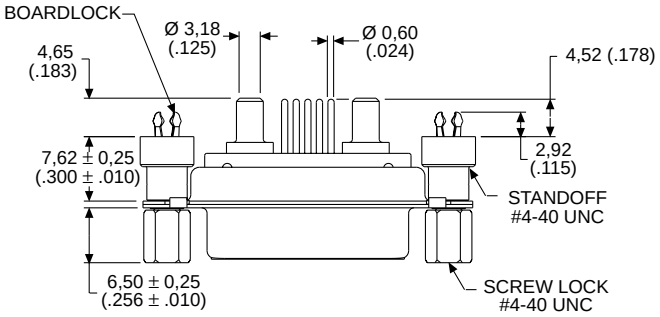
Part Numbers with Standoff #4-40 UNC

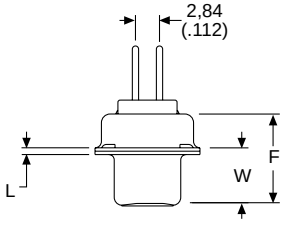
Shell Size	Layout	Part Number Without Screw Locks Without Boardlocks	Part Number Without Screw Locks With Boardlocks	Part Number With Screw Locks With Boardlocks
DE	5W1	DEMV5H1SYA197	DEMZ5H1SYA197	DEMN5H1SYA197
DA	7W2	DAMV7H2SYA197	DAMZ7H2SYA197	DAMN7H2SYA197
DA	11W1	DAMV11H1SYA197	DAMZ11H1SYA197	DAMN11H1SYA197
DA	3W3	DAMV3H3SYA197	DAMZ3H3SYA197	DAMN3H3SYA197
DA	3WK3♣	DAMV3HK3SYA197TM	DAMZ3HK3SYA197TM	DAMN3HK3SYA197TM
DB	5W5	DBMV5H5SYA197	DBMZ5H5SYA197	DBMN5H5SYA197
DB	9W4	DBMV9H4SYA197	DBMZ9H4SYA197	DBMN9H4SYA197
DB	13W3	DBMV13H3SYA197	DBMZ13H3SYA197	DBMN13H3SYA197
DB	17W2	DBMV17H2SYA197	DBMZ17H2SYA197	DBMN17H2SYA197
DB	21W1	DBMV21H1SYA197	DBMZ21H1SYA197	DBMN21H1SYA197
DC	8W8	DCMV8H8SYA197	DCMZ8H8SYA197	DCMN8H8SYA197
DC	13W6	DCMV13H6SYA197	DCMZ13H6SYA197	DCMN13H6SYA197
DC	17W5	DCMV17H5SYA197	DCMZ17H5SYA197	DCMN17H5SYA197
DC	21WA4	DCMV21HA4SYA197	DCMZ21HA4SYA197	DCMN21HA4SYA197
DC	25W3	DCMV25H3SYA197	DCMZ25H3SYA197	DCMN25H3SYA197
DC	27W2	DCMV27H2SYA197	DCMZ27H2SYA197	DCMN27H2SYA197

For M3 threads replace MV with MT, MZ with MQ, MN with MU.
Notes: For performance class 2 substitute K126 for A197. Example: DEMV5H1SYK126
For DD shell sizes, see page 73.
♣ Keyed.

Engaging Face







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)
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)	24,66 (.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)

40 A High Power Straight — European PC Tails (Size DD)

Plug

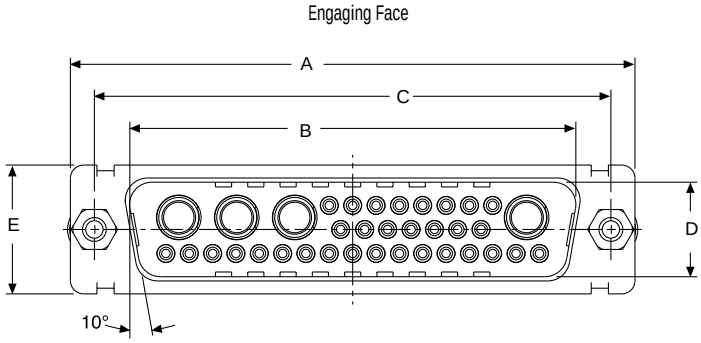
Part Numbers with Standoff #4-40 UNC

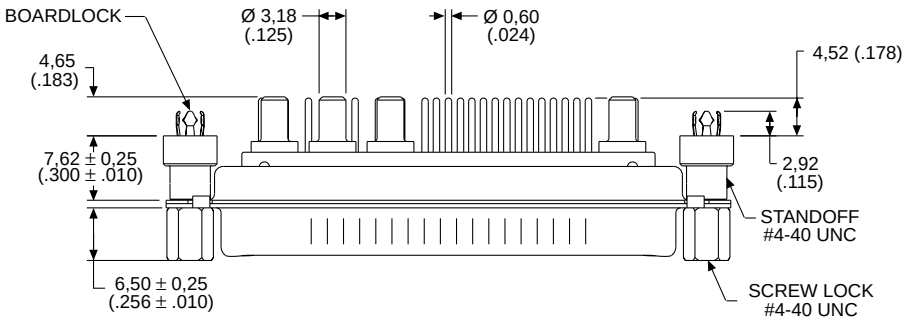
Shell Size	Layout	Part Number Without Screw Locks Without Boardlocks	Part Number Without Screw Locks With Boardlocks	Part Number With Screw Locks With Boardlocks
DD	24W7	DDMV24H7PYK87	DDMZ24H7PYK87	DDMN24H7PYK87
DD	36W4	DDMV36H4PYK87	DDMZ36H4PYK87	DDMN36H4PYK87
DD	43W2	DDMV43H2PYK87	DDMZ43H2PYK87	DDMN43H2PYK87
DD	47W1	DDMV47H1PYK87	DDMZ47H1PYK87	DDMN47H1PYK87

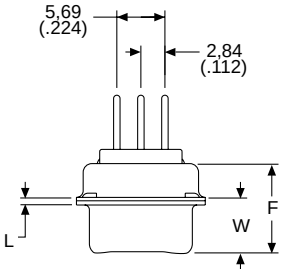
For M3 threads replace MV with MT, MZ with MQ, MN with MU.
Notes: For tin plated PC tails add A226 (signal contacts only). Example DDMV24H7PYK87A226
For performance class 2 substitute K127 for K87. Example: DDMV24H7PYK127

Reader's Resource

For contact cavity arrangements, see page 222.
For P.C. hole patterns, see page 256.
For panel cutouts, see page 221.







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 (.016)	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)

40 A High Power Straight — European PC Tails (Size DD)

Receptacle

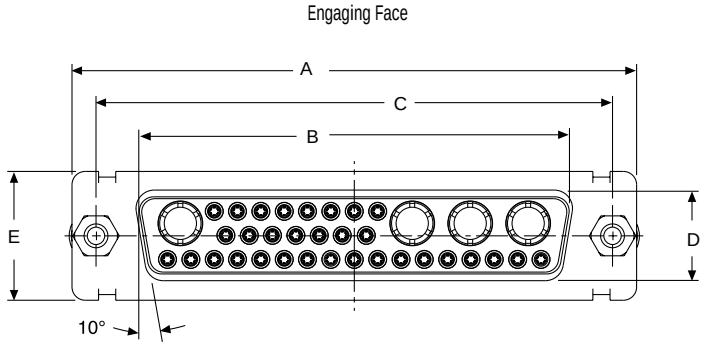
Part Numbers with Standoff #4-40 UNC

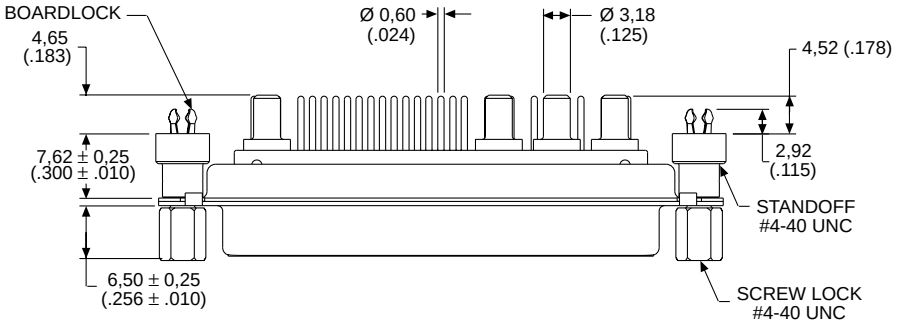
Shell Size	Layout	Part Number Without Screw Locks Without Boardlocks	Part Number Without Screw Locks With Boardlocks	Part Number With Screw Locks With Boardlocks
DD	24W7	DDMV24H7SYA197	DDMZ24H7SYA197	DDMN24H7SYA197
DD	36W4	DDMV36H4SYA197	DDMZ36H4SYA197	DDMN36H4SYA197
DD	43W2	DDMV43H2SYA197	DDMZ43H2SYA197	DDMN43H2SYA197
DD	47W1	DDMV47H1SYA197	DDMZ47H1SYA197	DDMN47H1SYA197

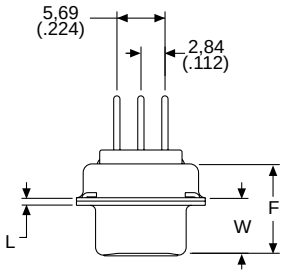
For M3 threads replace MV with MT, MZ with MQ, MN with MU.
Note: For performance class 2 substitute K126 for A197. Example: DDMV24H7SYK126

Reader's Resource

For contact cavity arrangements, see page 223.
For P.C. hole patterns, see page 259.
For panel cutouts, see page 221.







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)

90° PC Tail — European Footprint 10,2♦ or 9,4 mm♦♦ (Sizes DE-DD)

Plug

Reader's Resource

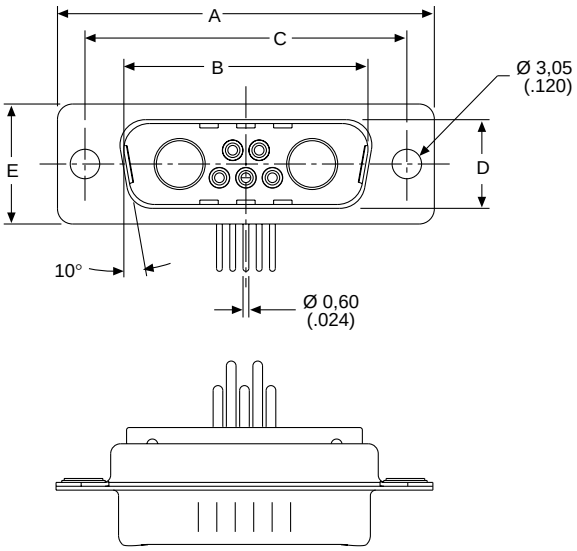
For contact cavity arrangements, see page 222.
For P.C. hole patterns, see pages 260-262.
For panel cutouts, see page 221.
For hardware views (European), see page 227.

Part Numbers

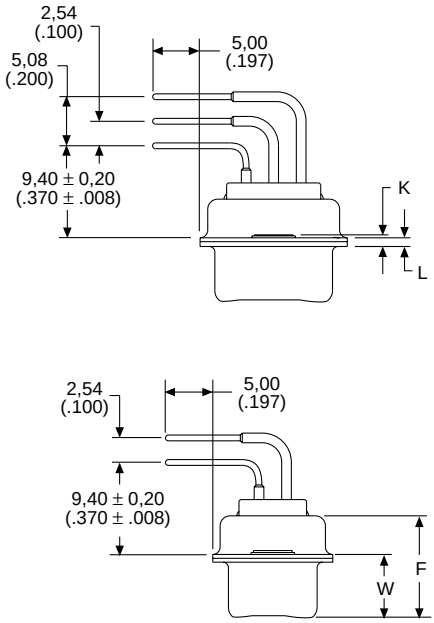
Shell Size	Layout	Part Number Without Hardware	Part Number Metal Bracket With #4-40 Nut
DE	5W1	DEM-5W1P-1A0N-K87	DEM-5W1P-1A7N-K87
DA	7W2	DAM-7W2P-1A0N-K87	DAM-7W2P-1A7N-K87
DA	11W1	DAM-11W1P-1A0N-K87	DAM-11W1P-1A7N-K87
DA	3W3	DAM-3W3P-1A0N-K87	DAM-3W3P-1A7N-K87
DA	3WK3♣	DAM-3WK3P-1A0N-K87	DAM-3WK3P-1A7N-K87
DB	5W5	DBM-5W5P-1A0N-K87	DBM-5W5P-1A7N-K87
DB	9W4	DBM-9W4P-1A0N-K87	DBM-9W4P-1A7N-K87
DB	13W3	DBM-13W3P-1A0N-K87	DBM-13W3P-1A7N-K87
DB	17W2	DBM-17W2P-1A0N-K87	DBM-17W2P-1A7N-K87
DB	21W1	DBM-21W1P-1A0N-K87	DBM-21W1P-1A7N-K87
DC	8W8	DCM-8W8P-1A0N-K87	DCM-8W8P-1A7N-K87
DC	13W6	DCM-13W6P-1A0N-K87	DCM-13W6P-1A7N-K87
DC	17W5	DCM-17W5P-1A0N-K87	DCM-17W5P-1A7N-K87
DC	21WA4	DCM-21WA4P-1A0N-K87	DCM-21WA4P-1A7N-K87
DC	25W3	DCM-25W3P-1A0N-K87	DCM-25W3P-1A7N-K87
DC	27W2	DCM-27W2P-1A0N-K87	DCM-27W2P-1A7N-K87
DD	24W7	DDM-24W7P-1A0N-K87	DDM-24W7P-1A7N-K87
DD	36W4	DDM-36W4P-1A0N-K87	DDM-36W4P-1A7N-K87
DD	43W2	DDM-43W2P-1A0N-K87	DDM-43W2P-1A7N-K87
DD	47W1	DDM-47W1P-1A0N-K87	DDM-47W1P-1A7N-K87

Note: Performance class 3 standard, for performance class 2 add -A191. Example: DEM-5W1P-1A0N-A191-K87
♣ Keyed.

Engaging Face



DD Configuration



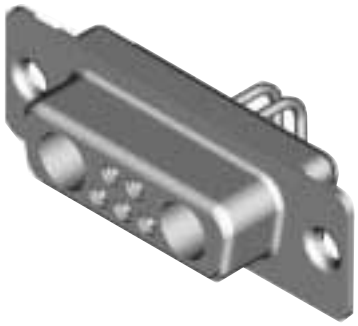
Dimensions

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)

♦ Connector footprint measured from the front shell.
♦♦ Connector footprint measured from the rear shell.

90° PC Tail — European Footprint 10,2♦ or 9,4 mm♦♦ (Sizes DE-DD)

Receptacle



Reader's Resource

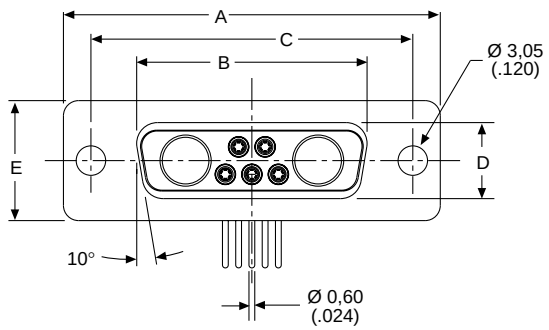
For contact cavity arrangements, see page 223.
For P.C. hole patterns, see pages 263-265.
For panel cutouts, see page 221.
For hardware views (European), see page 227.

Part Numbers

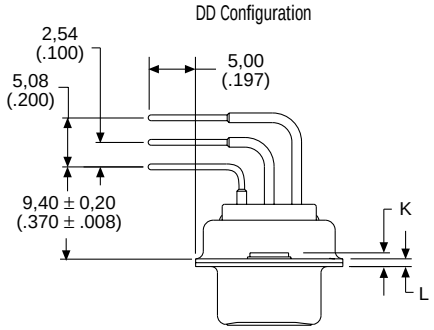
Shell Size	Layout	Part Number Without Hardware	Part Number Metal Bracket With #4-40 Nut
DE	5W1	DEM-5W1S-1A0N-A197	DEM-5W1S-1A7N-A197
DA	7W2	DAM-7W2S-1A0N-A197	DAM-7W2S-1A7N-A197
DA	11W1	DAM-11W1S-1A0N-A197	DAM-11W1S-1A7N-A197
DA	3W3	DAM-3W3S-1A0N-A197	DAM-3W3S-1A7N-A197
DA	3WK3♣	DAM-3WK3S-1A0N-A197	DAM-3WK3S-1A7N-A197
DB	5W5	DBM-5W5S-1A0N-A197	DBM-5W5S-1A7N-A197
DB	9W4	DBM-9W4S-1A0N-A197	DBM-9W4S-1A7N-A197
DB	13W3	DBM-13W3S-1A0N-A197	DBM-13W3S-1A7N-A197
DB	17W2	DBM-17W2S-1A0N-A197	DBM-17W2S-1A7N-A197
DB	21W1	DBM-21W1S-1A0N-A197	DBM-21W1S-1A7N-A197
DC	8W8	DCM-8W8S-1A0N-A197	DCM-8W8S-1A7N-A197
DC	13W6	DCM-13W6S-1A0N-A197	DCM-13W6S-1A7N-A197
DC	17W5	DCM-17W5S-1A0N-A197	DCM-17W5S-1A7N-A197
DC	21WA4	DCM-21WA4S-1A0N-A197	DCM-21WA4S-1A7N-A197
DC	25W3	DCM-25W3S-1A0N-A197	DCM-25W3S-1A7N-A197
DC	27W2	DCM-27W2S-1A0N-A197	DCM-27W2S-1A7N-A197
DD	24W7	DDM-24W7S-1A0N-A197	DDM-24W7S-1A7N-A197
DD	36W4	DDM-36W4S-1A0N-A197	DDM-36W4S-1A7N-A197
DD	43W2	DDM-43W2S-1A0N-A197	DDM-43W2S-1A7N-A197
DD	47W1	DDM-47W1S-1A0N-A197	DDM-47W1S-1A7N-A197

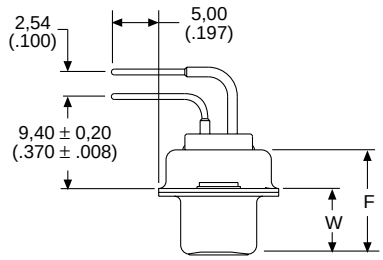
Note: Performance class 3 standard, for performance class 2 add -A191. Example: DEM-5W1S-1A0N-A191-A197
♣ Keyed.

Engaging Face



DD Configuration





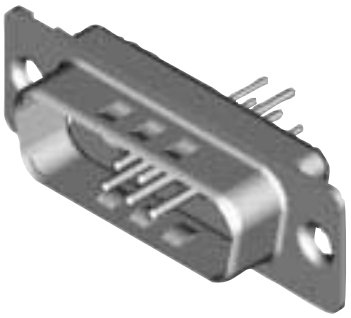
Dimensions

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 ±0,318 (.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)	24,66 (.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 (.605)	10,90 (.429)	6,94 (.273)	1,206 (.0475)	0,76 (.030)

♦ Connector footprint measured from the front shell.
♦♦ Connector footprint measured from the rear shell.

Straight PC Tails — European (Sizes DE-DD)

Plug



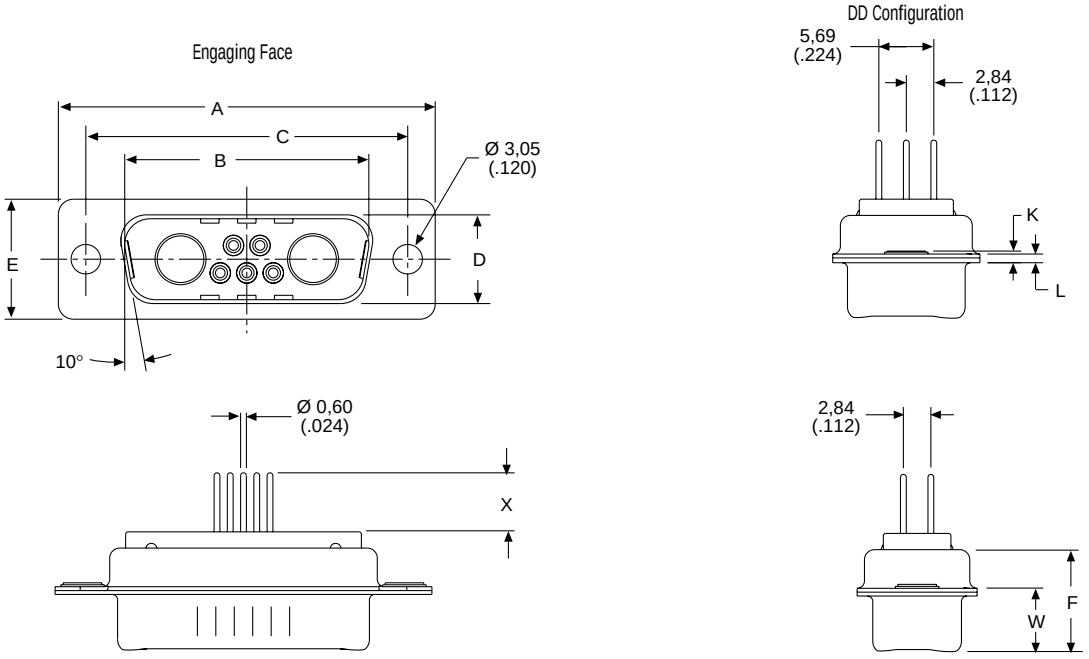
Reader's Resource

For contact cavity arrangements, see page 222.
For P.C. hole patterns, see pages 266-268.
For panel cutouts, see page 221.
For hardware views (European), see page 227.

Part Numbers

Shell Size	Layout	Part Number X 4,60 (.181)	Part Number X 6,05 (.238)
DE	5W1	DEM-5W1P-OL2-K87	DEM-5W1P-OL4-K87
DA	7W2	DAM-7W2P-OL2-K87	DAM-7W2P-OL4-K87
DA	11W1	DAM-11W1P-OL2-K87	DAM-11W1P-OL4-K87
DA	3W3	DAM-3W3P-OL2-K87	DAM-3W3P-OL4-K87
DA	3WK3♣	DAM-3WK3P-OL2-K87	DAM-3WK3P-OL4-K87
DB	5W5	DBM-5W5P-OL2-K87	DBM-5W5P-OL4-K87
DB	9W4	DBM-9W4P-OL2-K87	DBM-9W4P-OL4-K87
DB	13W3	DBM-13W3P-OL2-K87	DBM-13W3P-OL4-K87
DB	17W2	DBM-17W2P-OL2-K87	DBM-17W2P-OL4-K87
DB	21W1	DBM-21W1P-OL2-K87	DBM-21W1P-OL4-K87
DC	8W8	DCM-8W8P-OL2-K87	DCM-8W8P-OL4-K87
DC	13W6	DCM-13W6P-OL2-K87	DCM-13W6P-OL4-K87
DC	17W5	DCM-17W5P-OL2-K87	DCM-17W5P-OL4-K87
DC	21WA4	DCM-21WA4P-OL2-K87	DCM-21WA4P-OL4-K87
DC	25W3	DCM-25W3P-OL2-K87	DCM-25W3P-OL4-K87
DC	27W2	DCM-27W2P-OL2-K87	DCM-27W2P-OL4-K87
DD	24W7	DDM-24W7P-OL2-K87	DDM-24W7P-OL4-K87
DD	36W4	DDM-36W4P-OL2-K87	DDM-36W4P-OL4-K87
DD	43W2	DDM-43W2P-OL2-K87	DDM-43W2P-OL4-K87
DD	47W1	DDM-47W1P-OL2-K87	DDM-47W1P-OL4-K87

Note: Performance class 3 standard, for performance class 2 add -A191. Example: DEM-5W1P-OL2-A191-K87
♣ Keyed.

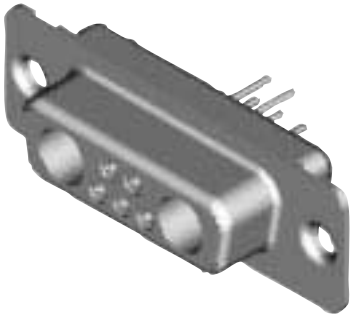


Dimensions

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)

Straight PC Tails — European (Sizes DE-DD)

Receptacle



Reader's Resource

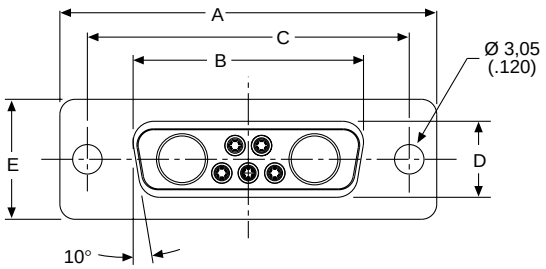
For contact cavity arrangements, see page 223.
For P.C. hole patterns, see pages 269-271.
For panel cutouts, see page 221.
For hardware views (European), see page 227.

Part Numbers

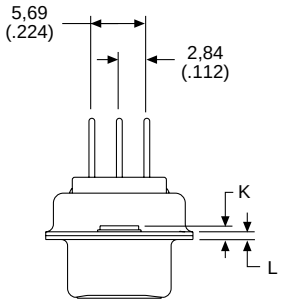
Shell Size	Layout	Part Number X 4.60 (.181)	Part Number X 6.05 (.238)
DE	5W1	DEM-5W1S-OL2-A197	DEM-5W1S-OL4-A197
DA	7W2	DAM-7W2S-OL2-A197	DAM-7W2S-OL4-A197
DA	11W1	DAM-11W1S-OL2-A197	DAM-11W1S-OL4-A197
DA	3W3	DAM-3W3S-OL2-A197	DAM-3W3S-OL4-A197
DA	3WK3♣	DAM-3WK3S-OL2-A197	DAM-3WK3S-OL4-A197
DB	5W5	DBM-5W5S-OL2-A197	DBM-5W5S-OL4-A197
DB	9W4	DBM-9W4S-OL2-A197	DBM-9W4S-OL4-A197
DB	13W3	DBM-13W3S-OL2-A197	DBM-13W3S-OL4-A197
DB	17W2	DBM-17W2S-OL2-A197	DBM-17W2S-OL4-A197
DB	21W1	DBM-21W1S-OL2-A197	DBM-21W1S-OL4-A197
DC	8W8	DCM-8W8S-OL2-A197	DCM-8W8S-OL4-A197
DC	13W6	DCM-13W6S-OL2-A197	DCM-13W6S-OL4-A197
DC	17W5	DCM-17W5S-OL2-A197	DCM-17W5S-OL4-A197
DC	21WA4	DCM-21WA4S-OL2-A197	DCM-21WA4S-OL4-A197
DC	25W3	DCM-25W3S-OL2-A197	DCM-25W3S-OL4-A197
DC	27W2	DCM-27W2S-OL2-A197	DCM-27W2S-OL4-A197
DD	24W7	DDM-24W7S-OL2-A197	DDM-24W7S-OL4-A197
DD	36W4	DDM-36W4S-OL2-A197	DDM-36W4S-OL4-A197
DD	43W2	DDM-43W2S-OL2-A197	DDM-43W2S-OL4-A197
DD	47W1	DDM-47W1S-OL2-A197	DDM-47W1S-OL4-A197

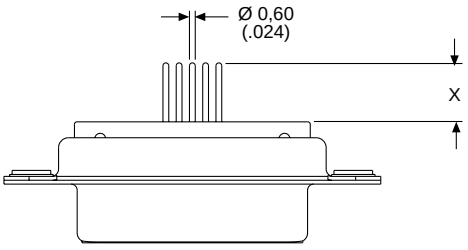
Note: Performance class 3 standard, for performance class 2 add -A191. Example: DEM-5W1S-OL2-A191-A197
♣ Keyed.

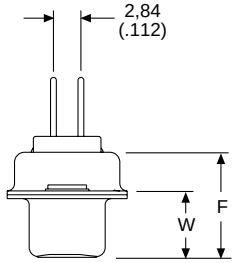
Engaging Face



DD Configuration







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 ±0,318 (.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)	24,66 (.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 (.605)	10,90 (.429)	6,94 (.273)	1,206 (.0475)	0,76 (.030)

Solder Cup (Sizes DE-DD)

Plug

Reader's Resource

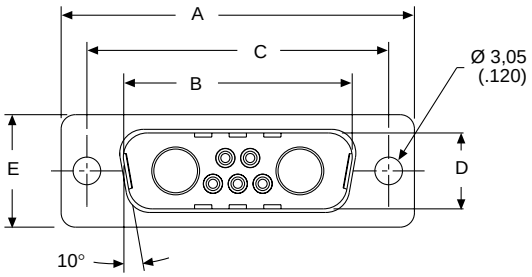
For contact cavity arrangements, see page 222.
For panel cutouts, see page 221.
For hardware views (Standard), see page 226.

Part Numbers

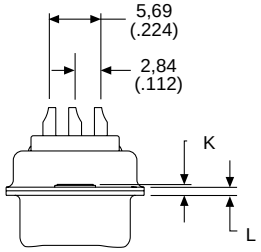
Shell Size	Layout	Through Hole	Dual Float Mount	Clinch Nut #4-40 UNC
DE	5W1	DEM5W1PK87	DEMY5W1PK87	DEME5W1PK87
DA	7W2	DAM7W2PK87	DAMY7W2PK87	DAME7W2PK87
DA	11W1	DAM11W1PK87	DAMY11W1PK87	DAME11W1PK87
DA	3W3	DAM3W3PK87	DAMY3W3PK87	DAME3W3PK87
DA	3WK3♣	DAM3WK3PK87	DAMY3WK3PK87	DAME3WK3PK87
DB	5W5	DBMP5W5PK87	DBMY5W5PK87	DBME5W5PK87
DB	9W4	DBM9W4PK87	DBMY9W4PK87	DBME9W4PK87
DB	13W3	DBM13W3PK87	DBMY13W3PK87	DBME13W3PK87
DB	17W2	DBM17W2PK87	DBMY17W2PK87	DBME17W2PK87
DB	21W1	DBM21W1PK87	DBMY21W1PK87	DBME21W1PK87
DC	8W8	DCM8W8PK87	DCMY8W8PK87	DCME8W8PK87
DC	13W6	DCM13W6PK87	DCMY13W6PK87	DCME13W6PK87
DC	17W5	DCM17W5PK87	DCMY17W5PK87	DCME17W5PK87
DC	21WA4	DCM21WA4PK87	DCMY21WA4PK87	DCME21WA4PK87
DC	25W3	DCM25W3PK87	DCMY25W3PK87	DCME25W3PK87
DC	27W2	DCM27W2PK87	DCMY27W2PK87	DCME27W2PK87
DD	24W7	DDM24W7PK87	DDMY24W7PK87	DDME24W7PK87
DD	36W4	DDM36W4PK87	DDMY36W4PK87	DDME36W4PK87
DD	43W2	DDM43W2PK87	DDMY43W2PK87	DDME43W2PK87
DD	47W1	DDM47W1PK87	DDMY47W1PK87	DDME47W1PK87

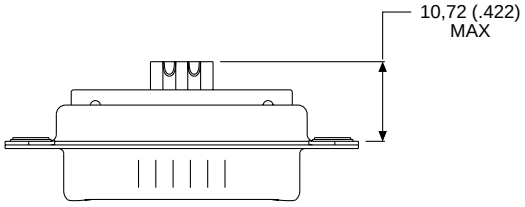
For contacts with 30 microinches gold substitute K127 for K87. Example: DEM5W1PK127
For M3 clinch nuts substitute X for E. Example: DEMX5W1PK87
♣ Keyed.

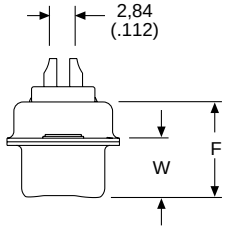
Engaging Face



DD Configuration







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)

Solder Cup (Sizes DE-DD)

Receptacle

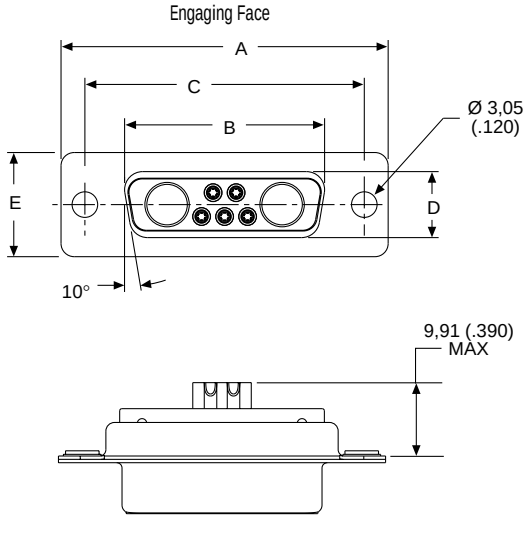
Reader's Resource

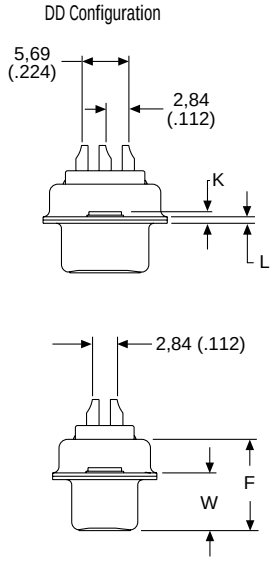
For contact cavity arrangements, see page 223.
For panel cutouts, see page 221.
For hardware views (Standard), see page 226.

Part Numbers

Shell Size	Layout	Through Hole	Dual Float Mount	Clinch Nut #4-40 UNC
DE	5W1	DEM5W1SA197	DEMY5W1SA197	DEME5W1SA197
DA	7W2	DAM7W2SA197	DAMY7W2SA197	DAME7W2SA197
DA	11W1	DAM11W1SA197	DAMY11W1SA197	DAME11W1SA197
DA	3W3	DAM3W3SA197	DAMY3W3SA197	DAME3W3SA197
DA	3WK3♣	DAM3WK3SA197	DAMY3WK3SA197	DAME3WK3SA197
DB	5W5	DBM5W5SA197	DBMY5W5SA197	DBME5W5SA197
DB	9W4	DBM9W4SA197	DBMY9W4SA197	DBME9W4SA197
DB	13W3	DBM13W3SA197	DBMY13W3SA197	DBME13W3SA197
DB	17W2	DBM17W2SA197	DBMY17W2SA197	DBME17W2SA197
DB	21W1	DBM21W1SA197	DBMY21W1SA197	DBME21W1SA197
DC	8W8	DCM8W8SA197	DCMY8W8SA197	DCME8W8SA197
DC	13W6	DCM13W6SA197	DCMY13W6SA197	DCME13W6SA197
DC	17W5	DCM17W5SA197	DCMY17W5SA197	DCME17W5SA197
DC	21WA4	DCM21WA4SA197	DCMY21WA4SA197	DCME21WA4SA197
DC	25W3	DCM25W3SA197	DCMY25W3SA197	DCME25W3SA197
DC	27W2	DCM27W2SA197	DCMY27W2SA197	DCME27W2SA197
DD	24W7	DDM24W7SA197	DDMY24W7SA197	DDME24W7SA197
DD	36W4	DDM36W4SA197	DDMY36W4SA197	DDME36W4SA197
DD	43W2	DDM43W2SA197	DDMY43W2SA197	DDME43W2SA197
DD	47W1	DDM47W1SA197	DDMY47W1SA197	DDME47W1SA197

For contacts with 30 microinches gold substitute K126 for A197. Example: DEM5W1SK126
For M3 clinch nuts substitute X for E. Example: DEMX5W1SA197
♣ Keyed.





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 ±0,318 (.0125)	L ±0,25 (.010)
DE	30,81 (1.123)	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)	24,66 (.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 (.605)	10,90 (.429)	6,94 (.273)	1,206 (.0475)	0,76 (.030)

Crimp Cable Connectors without Contacts (Sizes DA-DD)

Plug

Reader's Resource

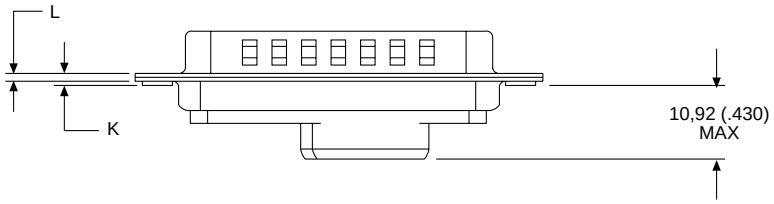
For contact cavity arrangements, see page 222.

For panel cutouts, see page 221.

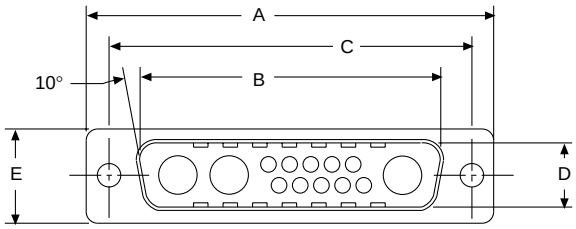
Part Numbers

Shell Size	Layout	Part Number
DA	7W2	DAA7W2PK87F0
DA	11W1	DAA11W1PK87F0
DA	3W3	DAA3W3PK87F0
DB	5W5	DBA5W5PK87F0
DB	9W4	DBA9W4PK87F0
DB	13W3	DBA13W3PK87F0
DB	17W2	DBA17W2PK87F0
DB	21W1	DBA21W1PK87F0
DC	8W8	DCA8W8PK87F0
DC	21WA4	DCA21WA4PK87F0
DC	25W3	DCA25W3PK87F0
DD	24W7	DDA24W7PK87F0
DD	36W4	DDA36W4PK87F0

Note: For crimp (Size 20) contacts and tooling, see pages 83 & 275.



Engaging Face

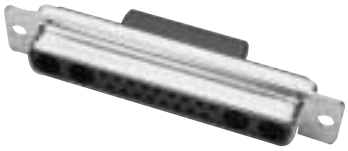


Dimensions

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)

Crimp Cable Connectors without Contacts (Sizes DA-DD)

Receptacle

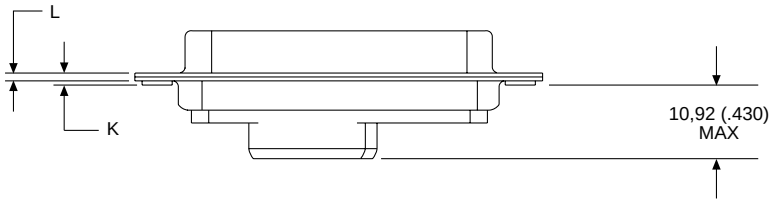


Reader's Resource
For contact cavity arrangements, see page 223.
For panel cutouts, see page 221.

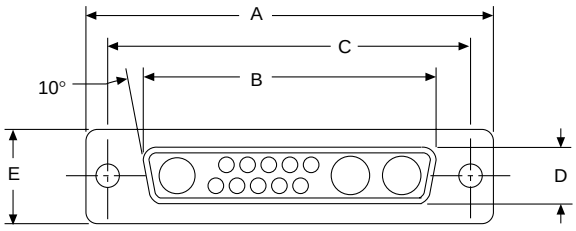
Part Numbers

Shell Size	Layout	Part Number
DA	7W2	DAA7W2SA197F0
DA	11W1	DAA11W1SA197F0
DA	3W3	DAA3W3SA197F0
DB	5W5	DBA5W5SA197F0
DB	9W4	DBA9W4SA197F0
DB	13W3	DBA13W3SA197F0
DB	17W2	DBA17W2SA197F0
DB	21W1	DBA21W1SA197F0
DC	8W8	DCA8W8SA197F0
DC	21WA4	DCA21WA4SA197F0
DD	24W7	DDA24W7SA197F0
DD	36W4	DDA36W4SA197F0

Note: For crimp (Size 20) contacts and tooling, see pages 83 & 275.



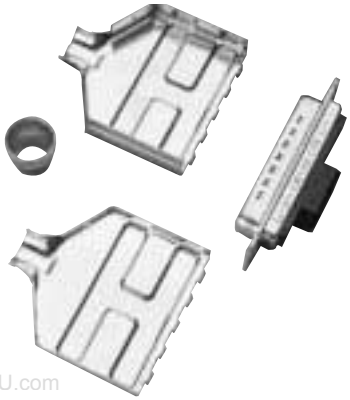
Engaging Face



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)	24,66 (.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 (.605)	10,90 (.429)	6,94 (.273)	1,206 (.0475)	0,76 (.030)

Shield Cans



Order 1 top can, 1 bottom can, 1 ferrule per connector.

Ø Cable	Ferrule Ø A	Ferrule Part Number	Crimp Tool Part Number	Crimp Tool Position
4,8 - 5,5	6,25 (.246)	304-8810-000	D115433-1	B
5,5 - 6,2	6,25 (.246)	304-8810-000	D115433-1	A
6,2 - 7,2	8,20 (.323)	304-8811-000	D115433-2	B
7,2 - 8,2	8,20 (.323)	304-8811-000	D115433-2	A
8,2 - 9,5	11,50 (.452)	304-8812-000	D115433-3	B
9,5 - 11,1	11,50 (.452)	304-8813-000	D115433-3	A

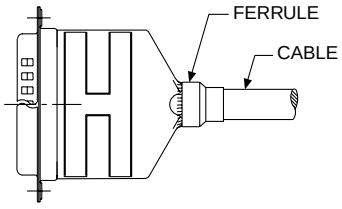
Part Numbers

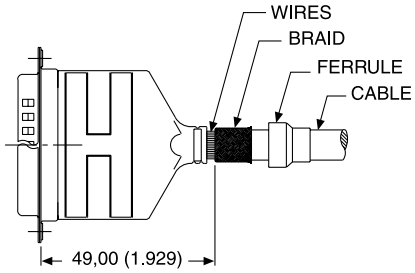
Top Can (B size):	348-8946-000
Bottom Can (B size):	348-8945-000

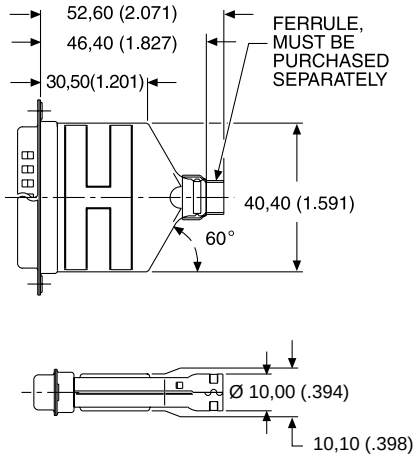
Note: For other available can sizes, consult factory for details.

Materials and Finishes

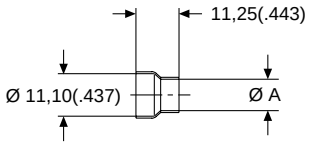
Shield Can and Ferrule	
Material:	Steel
Finish:	Tin



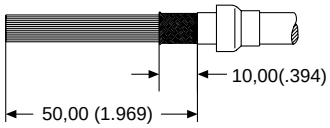




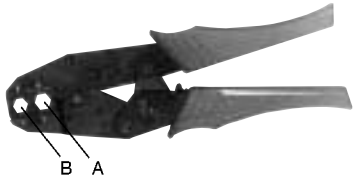
Ferrule



Wire Trim Dimensions



Crimp Tool Positions



ITT Cannon

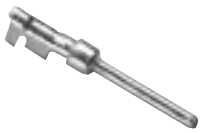
Dimensions are shown in mm (inch)
Dimensions subject to change

Crimp (Size 20) 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.

Pin Contact



Finish	Part Number Pin Contact	
	24-26 AWG	20-24 AWG
30µ inches Gold over Nickel	030-2487-017	030-2487-016

Socket Contact

Finish	Part Number Socket Contact	
	24-26 AWG	20-24 AWG
30µ inches Gold over Nickel	030-2488-017	030-2488-016

For tooling, see this page.

Reeled Contacts (5,000 Pieces per Reel)

Stamped contacts with insulation support are supplied on reels of 5,000 for use with semi-automatic strip and crimp machines. Two sizes are available to accommodate wire ranges 20 - 26 AWG.

Pin Contacts

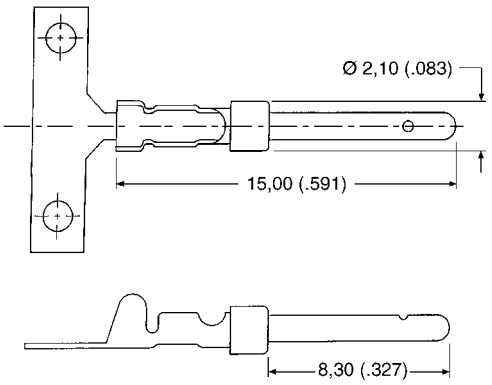
Finish	Part Number Pin Contact	
	24-26 AWG	20-24 AWG
Gold over Nickel	980-2000-925	980-2000-924
30µ inches Gold over Nickel	980-2000-946	980-2000-945

Socket Contacts

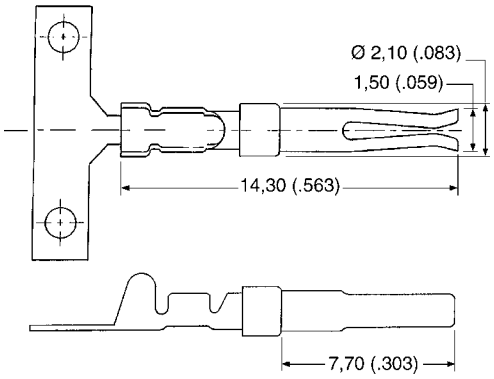
Finish	Part Number Socket Contact	
	24-26 AWG	20-24 AWG
Gold over Nickel	980-2000-926	980-2000-923
30µ inches Gold over Nickel	980-2000-944	980-2000-943

For semi-automatic tooling, see page 275.

Pin Contacts

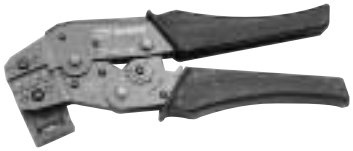


Socket Contacts



Tooling

CCT-D*A-1



Hand Crimp Tool

Description	Part Number
CCT-D*A-1	995-2000-000

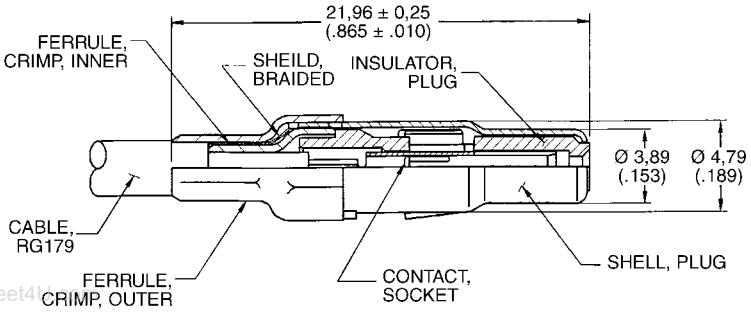
Extraction Tool

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

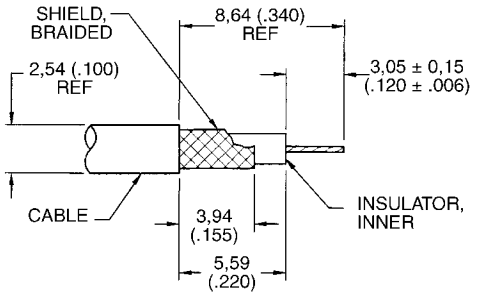
For semi-automatic tooling, see page 275.

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

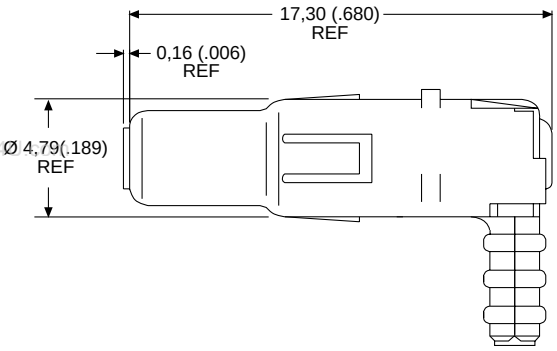
For semi-automatic tooling, see page 275.

Dimensions are shown in mm (inch)
Dimensions subject to change

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

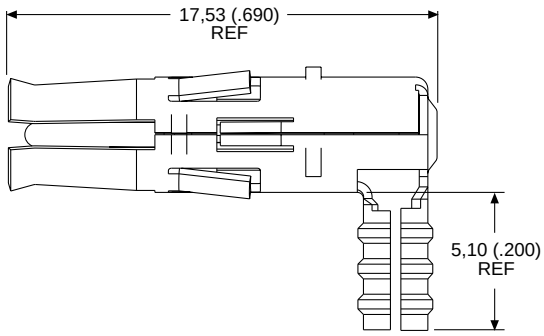
90° Crimp Braid/Solder Center Contact

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



Plug

Note: Ferrule not shown.



Receptacle

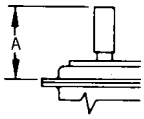
Note: Ferrule not shown.

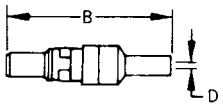
Tooling for 90° Crimp Braid

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

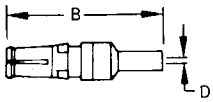
Cable (Size 8) Loose Contacts — Coaxial 50 Ohm — Straight

Straight Crimp Braid





Plug



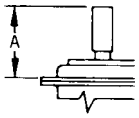
Receptacle

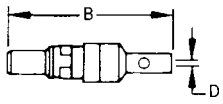
Note: Dimensions include outer sleeve.

	Part Number Gold Over Nickel	Part Number 50µ in. Gold Over Copper	A max.	B max.	D min.	RG Cable Number Old	RG Cable Number New
Plug	DM53740	DM53740-17	18,80 (.739)	24,00 (.945)	1,00 (.040)	196/U	178B/U
Plug	DM53740-1	DM53740-15	18,80 (.739)	24,00 (.945)	1,70 (.067)	187/U 188/U	179B/U 316B/U
Plug	DM53740-35	—	18,80 (.739)	24,00 (.945)	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	58B/U
Receptacle	DM53742	DM53742-18	18,80 (.739)	24,00 (.945)	1,00 (.040)	196/U	178B/U
Receptacle	DM53742-1	DM53742-16	18,80 (.739)	24,00 (.945)	1,70 (.067)	187/U 188/U	179B/U 316B/U
Receptacle	DM53742-36	—	18,80 (.739)	24,00 (.945)	1,70 (.067)	—	RD316
Receptacle	DM53742-3	DM53742-17	21,50 (.847)	26,34 (1.037)	2,79 (.110)	195/U	180B/U
Receptacle	DM53742-5	DM53742-19	21,50 (.847)	26,34 (1.037)	3,18 (.125)	58/U	58B/U

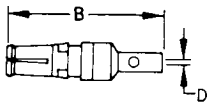
For crimp tooling, see page 89.

Straight Solder Braid





Plug

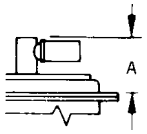


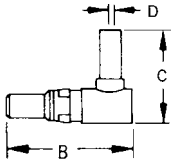
Receptacle

	Part Number Gold Over Nickel	Part Number 50µ in. Gold Over Copper	A max.	B max.	D min.	RG Cable Number Old	RG Cable Number New
Plug	DM53740-5008	DM53740-5105	18,80 (.739)	24,00 (.945)	1,00 (.040)	196/U	178B/U
Plug	DM53740-5001	DM53740-5099	18,80 (.739)	24,00 (.945)	1,70 (.067)	187/U 188/U	179B/U 316B/U
Plug	DM53740-5145	—	18,80 (.739)	24,00 (.945)	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 Type)	DM53740-5000	DM53740-5100	17,00 (.670)	22,20 (.874)	1,14 (.045)	196/U	178B/U
Receptacle	DM53742-5006	DM53742-5092	18,80 (.739)	24,00 (.945)	1,00 (.040)	196/U	178B/U
Receptacle	DM53742-5001	DM53742-5089	18,80 (.739)	24,00 (.945)	1,70 (.067)	187/U 188/U	179B/U 316B/U
Receptacle	DM53742-5126	—	18,80 (.739)	24,00 (.945)	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 Type)	DM53742-5000	DM53742-5085	17,00 (.670)	22,20 (.874)	1,14 (.045)	196/U	178B/U

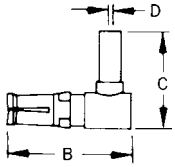
Cable (Size 8) Loose Contacts — Coaxial 50 Ohm — 90°

90° Crimp Braid





Plug



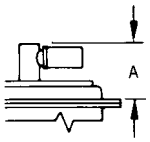
Receptacle

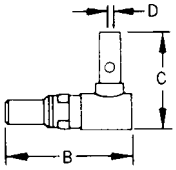
Note: Dimensions include outer sleeve.

	Part Number Gold Over Nickel	Part Number 50µ in. Gold Over Copper	A max.	B max.	C	D ±0,13 (.005)	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 188/U	179B/U 316B/U
Plug	DM53741-3	DM53741-10	13,46 (.530)	18,92 (.745)	16,00 (.630)	2,79 (.110)	195/U	180B/U
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 188/U	179B/U 316B/U
Receptacle	DM53743-5	DM53743-17	13,46 (.530)	18,92 (.745)	16,00 (.630)	2,79 (.110)	195/U	180B/U
Receptacle	DM53743-6	DM53743-19	13,46 (.530)	18,92 (.745)	16,00 (.630)	3,18 (.125)	58/U	58B/U

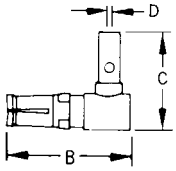
For crimp tooling, see page 89.

90° Solder Braid





Plug



Receptacle

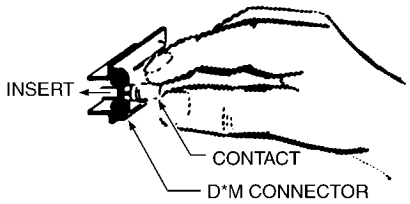
	Part Number Gold Over Nickel	Part Number 50µ in. Gold Over Copper	A max.	B max.	C	D min.	RG Cable Number Old	RG Cable Number New
Plug	DM53741-5000	DM53741-5059	13,46 (.530)	18,92 (.745)	15,10 (.594)	1,00 (.040)	196/U	178B/U
Plug	DM53741-5001	DM53741-5062	13,46 (.530)	18,92 (.745)	15,10 (.594)	1,70 (.067)	187/U 188/U	179B/U 316B/U
Plug	DM53741-5003	DM53741-5063	13,46 (.530)	18,92 (.745)	16,00 (.630)	2,79 (.110)	195/U	180B/U
Plug	DM53741-5004	DM53741-5060	13,46 (.530)	18,92 (.745)	16,00 (.630)	3,18 (.125)	58/U	58/U
Receptacle	DM53743-5000	DM53743-5073	13,46 (.530)	18,92 (.745)	15,09 (.594)	1,00 (.040)	196/U	178B/U
Receptacle	DM53743-5001	DM53743-5076	13,46 (.530)	18,92 (.745)	15,09 (.594)	1,70 (.067)	187/U 188/U	179B/U 316B/U
Receptacle	DM53743-5003	DM53743-5077	13,46 (.530)	18,92 (.745)	16,00 (.630)	2,79 (.110)	195/U	180B/U
Receptacle	DM53743-5004	DM53743-5074	13,46 (.530)	18,92 (.745)	16,00 (.630)	3,18 (.125)	58/U	58B/U

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

Insertion Tool

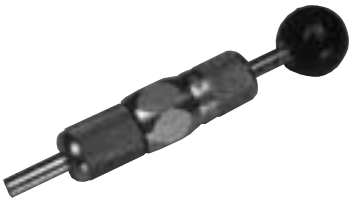
No insertion tool is required. The contact is easily snapped in from the rear of the connector manually.

Insertion Instructions



Extraction Tool

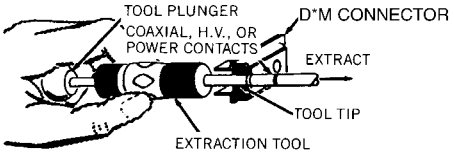
CET-C6B-2



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

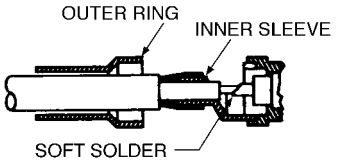


To extract the coaxial contact, hold the tool by the body and insert the tip into the front of the contact cavity until it bottoms and closes the coaxial retaining ring. Holding the body in this position securely enough to keep coaxial retaining ring closed, push the plunger; contact will be pushed out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

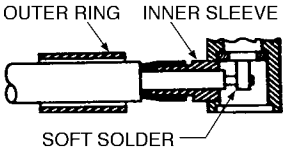
Coaxial Assembly Instructions

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

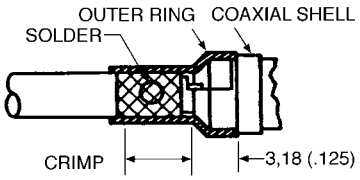


90° Coaxial

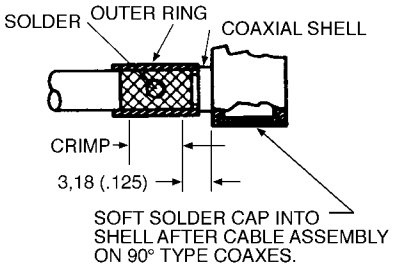


Straight and 90° Coaxial Assembly
STEP 2:
Slide the outer ring forward until it is flush with the coaxial shell containing the braid between the outer ring and the inner sleeve. For solder type coaxes, soft solder the outer ring to the assembly through the cross-drilled solder hold. For crimp type coaxes, crimp with the appropriate tool in the area defined.

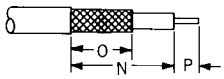
Straight Coaxial



90° Coaxial



Coaxial Cable Trim Dimensions



	Straight Coaxial			90° Coaxial		
RG Cable Number	N ± 0,25 (.010)	O ± 0,25 (.010)	P ± 0,25 (.010)	N ± 0,25 (.010)	O ± 0,25 (.010)	P ± 0,25 (.010)
196/U, 178B/U, 187/U, 188/U, 179B/U, 316B/U	7,92 (.312)	6,35 (.250)	1,98 (.078)	9,52 (.375)	5,94 (.234)	1,57 (.062)
195/U, 180B/U, 58/U, 58B/U	9,52 (.375)	7,92 (.312)	1,98 (.078)	10,69 (.422)	7,92 (.312)	2,39 (.094)

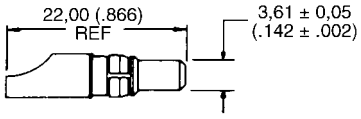
Crimp Tooling

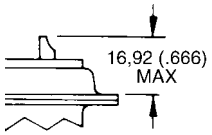
Hand tool with integral die set for all coaxial straight crimp braid.

RG Cable Number	Tool Part Number	Description	Closure
196/U, 178B/U	070051-0000	CCT-DM	C
187/U, 179B/U, 188/U, 316B/U	070051-0000	CCT-DM	B
195/U, 180B/U, 58/U, 58B/U	070051-0000	CCT-DM	A

Cable (Size 8) Loose Contacts — High Power — Solder

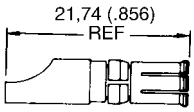
Plug

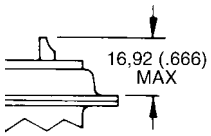




Part Number Gold Over Nickel	Part Number 50µ in. Gold over Ni	Current Rating	Wire Size
DM53745-1	DM53745-28	40 A	8 AWG
DM53745-7	DM53745-27	20 A	12 AWG
DM53745-8	DM53745-25	10 A	16 AWG

Receptacle

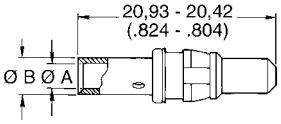




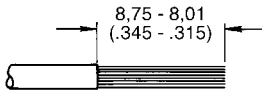
Part Number Gold Over Nickel	Part Number 50µ in. Gold over Ni	Current Rating	Wire Size
DM53744-1	DM53744-21	40 A	8 AWG
DM53744-6	DM53744-25	20 A	12 AWG
DM53744-7	DM53744-24	10 A	16 AWG

Cable (Size 8) Loose Contacts — High Power — Crimp

Plug

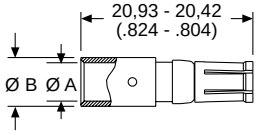


Recommended Wire Trim Length

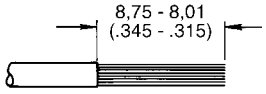


Part Number Gold Over Nickel	Part Number 30µ in. Gold over Ni	Part Number 50µ in. Gold over Ni	ØA max.	ØB max.	Current Rating	Wire Size
DM130338-4	DM130338	DM130338-1	4,60 (.181)	5,84 (.230)	40 A	8 AWG
DM130339-4	DM130339	DM130339-1	2,54 (.100)	5,54 (.218)	20 A	12 AWG
DM130340-4	DM130340	DM130340-1	1,07 (.067)	2,59 (.102)	10 A	16 AWG

Receptacle



Recommended Wire Trim Length



Part Number Gold Over Nickel	Part Number 30µ in. Gold over Ni	Part Number 50µ in. Gold over Ni	ØA max.	ØB max.	Current Rating	Wire Size
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

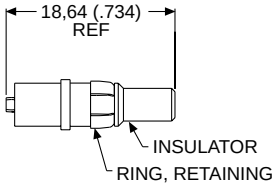
High Power Crimp Tooling

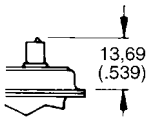
M300-BT

Wire Size	Crimp Tool/Locator		
	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

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

Plug

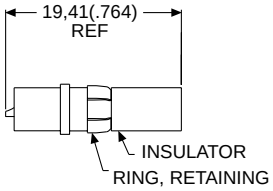


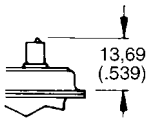


For tooling, see page 88.

Part Number Gold over Ni	Part Number 50µ. in. Gold	Wire Size
DM51157	DM51157-8	20 AWG

Receptacle



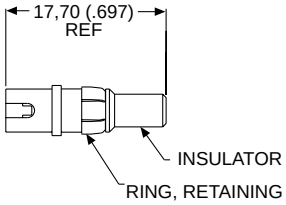


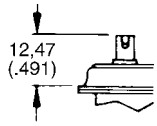
For tooling, see page 88.

Part Number Gold over Ni	Part Number 50µ. in. Gold	Wire Size
DM51155	DM51155-7	20 AWG

Cable (Size 8) Loose Contacts — High Voltage — 90°

Plug

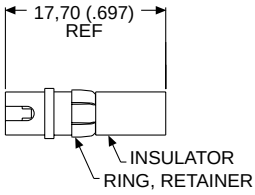


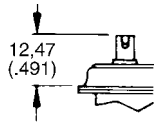


For tooling, see page 88.

Part Number Gold over Ni	Part Number 50µ. in. Gold	Wire Size
DM51157-5000	DM51157-5005	20 AWG

Receptacle



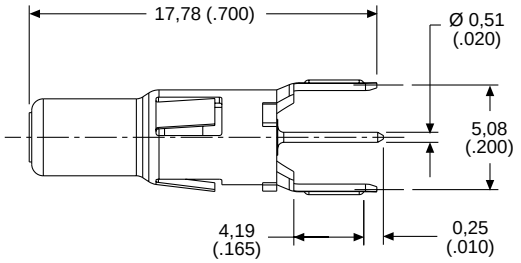


For tooling, see page 88.

Part Number Gold over Ni	Part Number 50µ. in. Gold	Wire Size
DM51155-5000	DM51155-5004	20 AWG

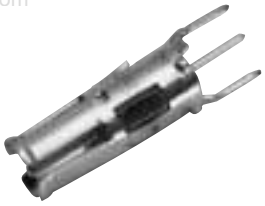
PCB (Size 8) Loose Contacts — Coaxial 75 Ohm — Straight

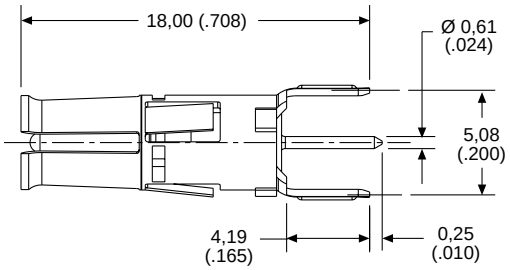
Plug



Description	Part Number
Plug	DM130358-2

Receptacle

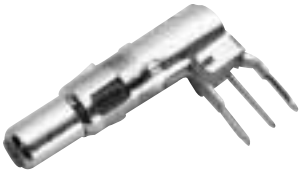


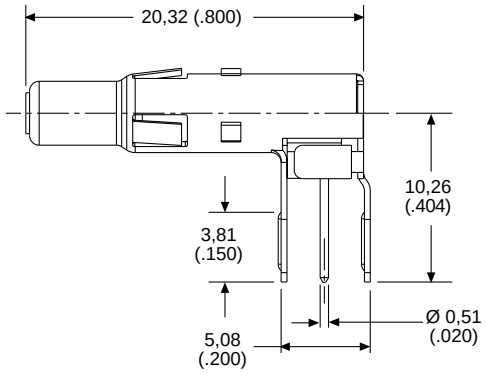


Description	Part Number
Receptacle	DM130346-2

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

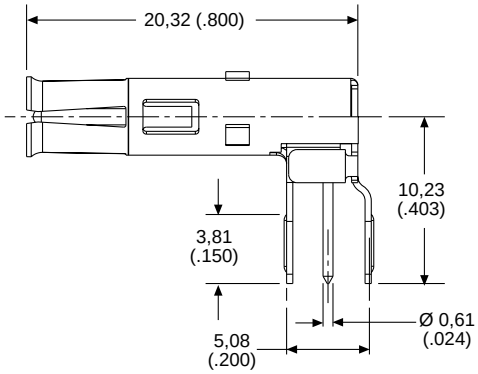
Plug





Description	Part Number
Plug	DM130352-2

Receptacle

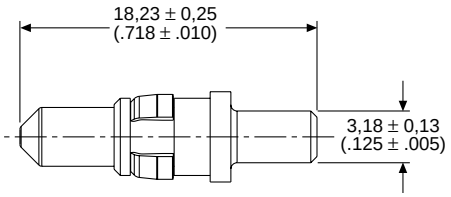


Description	Part Number
Receptacle	DM130321-3

PCB (Size 8) Loose Contacts — High Power — Straight

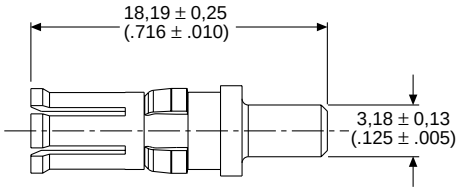
Pin

Description	Part Number
Pin	DM53745-110



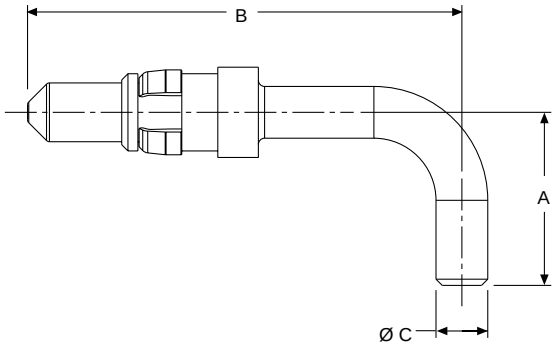
Socket

Description	Part Number
Socket	DM53744-98



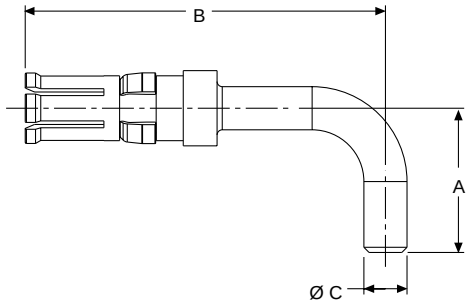
PCB (Size 8) Loose Contacts — High Power —90°

Pin



Shell Size	Part Number	A ± 0,25 (.010)	B ±0,25 (.010)	Ø C ±0,13 (.005)
DE, DA, DB, DC	DM53745-104	10,62 (.418)	26,64 (1.049)	3,18 (.125)
DD	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)

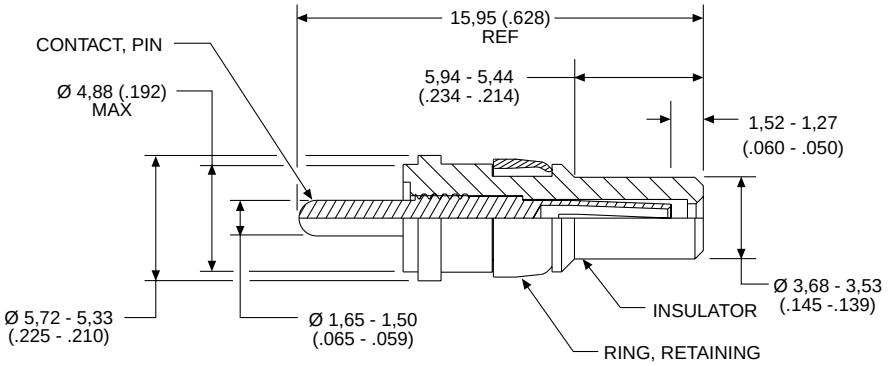
Socket



Shell Size	Part Number	A ± 0,25 (.010)	B ±0,25 (.010)	Ø C ±0,13 (.005)
DE, DA, DB, DC	DM53744-92	13,41 (.528)	26,52 (1.044)	3,18 (.125)
DD	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)

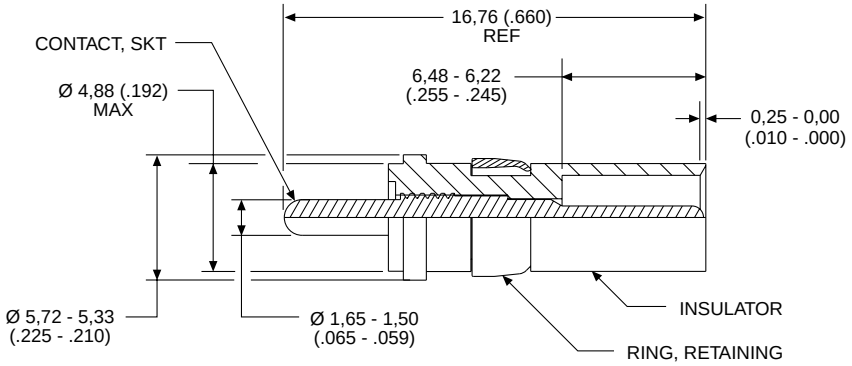
PCB (Size 8) Loose Contacts — High Voltage — Straight

Plug



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

Receptacle



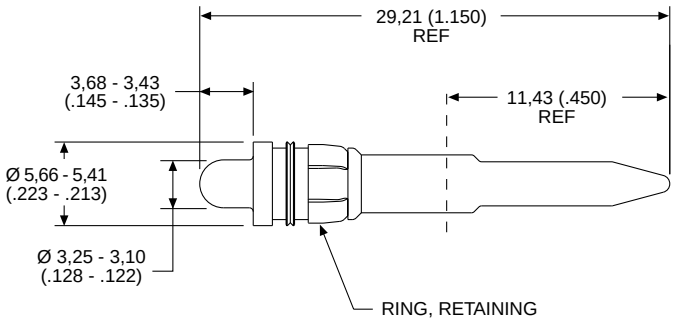
Part Number Gold over Ni	Part Number 50µ in. Gold
DM51155-12	DM51155-13

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