

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
Ø 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 94V-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 (Stamped)

Receptacle



Part Numbers

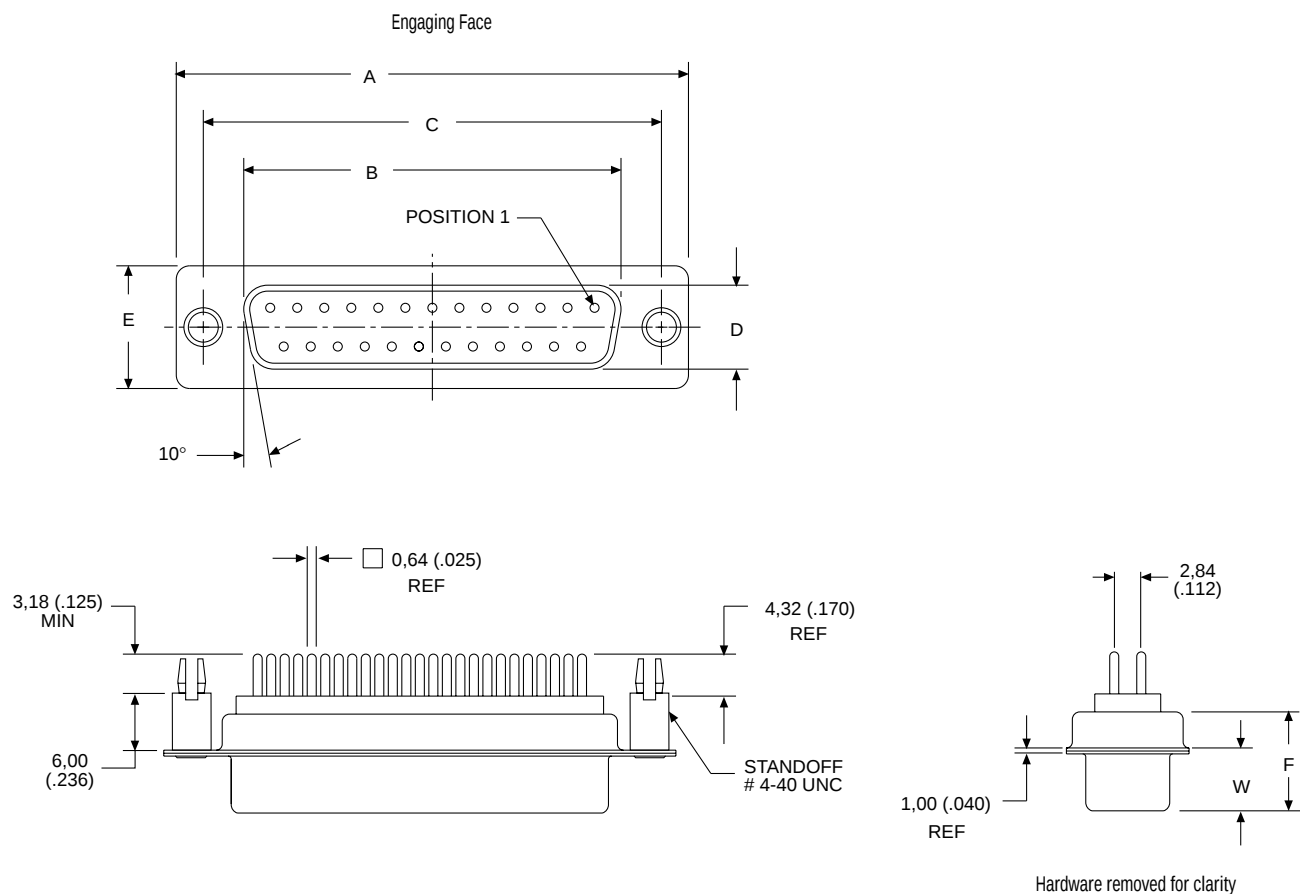
Shell Size	Layout	Through Hole	Standoff With Boardlock
DE	9	ZDE9S-OL2	ZDEE9S-OL2-146
DA	15	ZDA15S-OL2	ZDAE15S-OL2-146
DB	25	ZDB25S-OL2	ZDBE25S-OL2-146
DC	37	ZDC37S-OL2	ZDCE37S-OL2-146
DD	50	ZDD50S-OL2	ZDE50S-OL2-146

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.

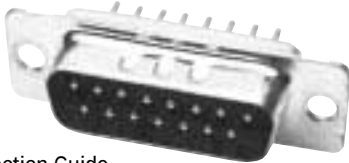


Dimensions

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)
DE	30,81 (1.213)	16,33 (.643)	24,99 (.984)	7,90 (.311)	12,55 (.494)	10,90 (.429)	6,94 (.273)
DA	39,14 (1.541)	24,66 (.971)	33,32 (1.312)	7,90 (.311)	12,55 (.494)	10,90 (.429)	6,94 (.273)
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)
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)
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)

Straight Solder Termination (Machined) — European PC Tails

Plug



Selection Guide

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

Reader's Resource

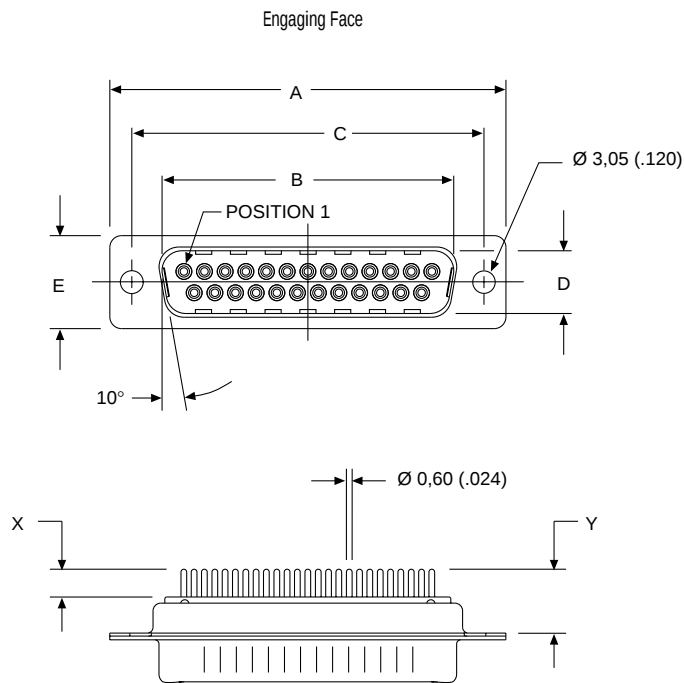
For contact cavity arrangements, see page 224.
For P.C. hole patterns, see page 274.
For panel cutouts, see page 221.
For hardware views (European), see page 227.

Part Numbers

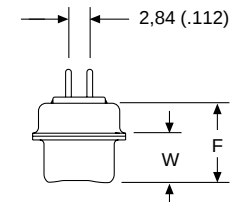
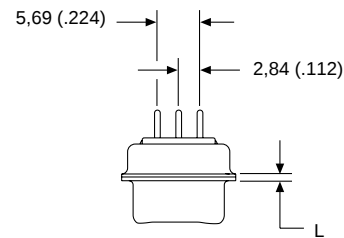
Shell Size	Layout	Through Hole	Standoff #4-40 UNC With Pushfit/Boardlock	Standoff M3 With Pushfit/Boardlock
DE	9	DE9P-0L2-K87	DEE9P-0L2-K87-146	DEX9P-0L2-K87-146
DA	15	DA15P-0L2-K87	DAE15P-0L2-K87-146	DAX15P-0L2-K87-146
DB	25	DB25P-0L2-K87	DBE25P-0L2-K87-146	DBX25P-0L2-K87-146
DC	37	DC37P-0L2-K87	DCE37P-0L2-K87-146	DCX37P-0L2-K87-146
DD	50	DD50P-0L2-K87	DDE50P-0L2-K87-146	DDX50P-0L2-K87-146

Note: For performance class 2 add -A191. Example DA15P-0L2-A191-K87.

PC Tail Modifier	X ±0,30 (.012)	Y ±0,30 (.012)
OL2	5,20 (.205)	10,20 (.401)
OL4	6,75 (.266)	11,80 (.465)



DD Configuration

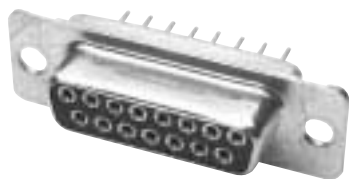


Dimensions

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)	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) — European PC Tails

Receptacle



Part Numbers

Shell Size	Layout	Through Hole	Standoff #4-40 UNC With Pushfit/Boardlock	Standoff M3 With Pushfit/Boardlock
DE	9	DE9S-0L2-A197	DEE9S-0L2-A197-146	DEX9S-0L2-A197-146
DA	15	DA15S-0L2-A197	DAE15S-0L2-A197-146	DAX15S-0L2-A197-146
DB	25	DB25S-0L2-A197	DBE25S-0L2-A197-146	DBX25S-0L2-A197-146
DC	37	DC37S-0L2-A197	DCE37S-0L2-A197-146	DCX37S-0L2-A197-146
DD	50	DD50S-0L2-A197	DDE50S-0L2-A197-146	DDX50S-0L2-A197-146

Selection Guide

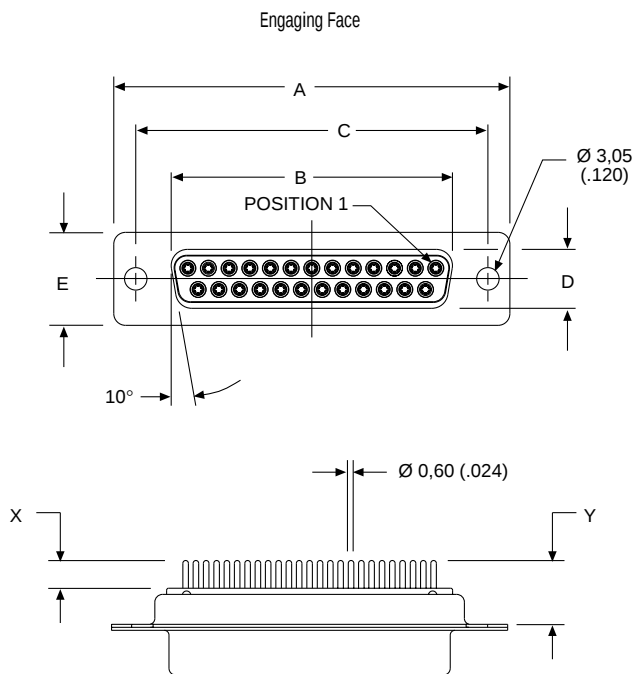
For Product Features, Specifications, Materials and Finishes, see pages 2-3.

Note: For performance class 2 add -A191. Example DA15S-0L2-A191-A197

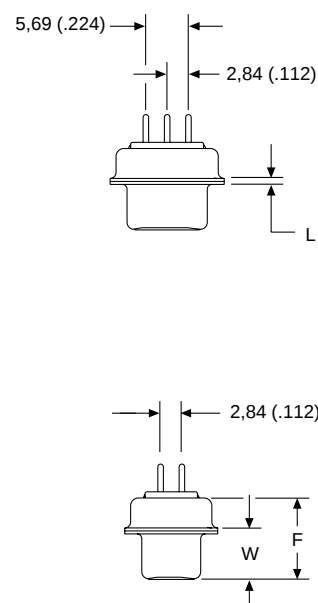
Reader's Resource

For contact cavity arrangements, see page 224.
For P.C. hole patterns, see page 274.
For panel cutouts, see page 221.
For hardware views (European), see page 227.

PC Tail Modifier	X ±0,30 (.012)	Y ±0,30 (.012)
OL2	5,20 (.205)	10,20 (.401)
OL4	6,75 (.266)	11,80 (.465)



DD Configuration

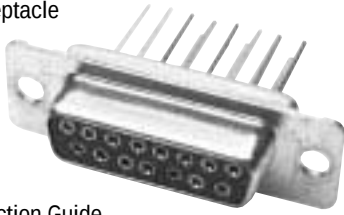


Dimensions

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)	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)

Wrap Post Termination

Receptacle



Part Numbers

Shell Size	Layout	Through Hole
DE	9	DE9S-F179A-A197
DA	15	DA15S-F179A-A197
DB	25	DB25S-F179A-A197
DC	37	DC37S-F179A-A197
DD	50	DD50S-F179A-A197

Selection Guide

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Reader's Resource

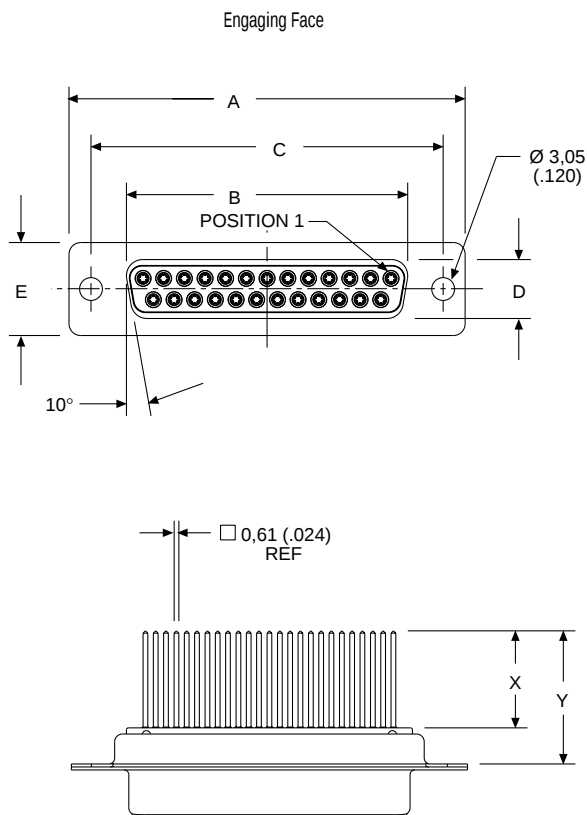
For contact cavity arrangements, see page 224.

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

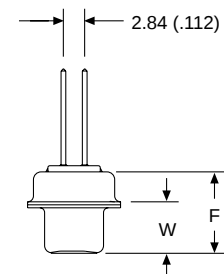
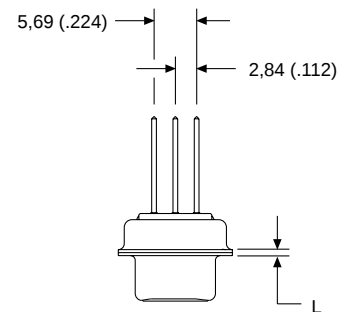
For panel cutouts, see page 221.

For hardware views (Standard), see page 226.

Modification Code	Number of Wraps	X max.	Y $\pm 0,89 (.035)$
F179	2	10,21 (.402)	15,20 (.598)
F179A	3	13,61 (.536)	18,60 (.732)



DD Configuration

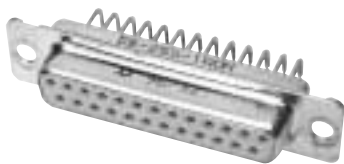


Dimensions

Shell Size	A $\pm 0,13 (.005)$	B $\pm 0,13 (.005)$	C $\pm 0,13 (.005)$	D $\pm 0,13 (.005)$	E $\pm 0,38 (.015)$	F $\pm 0,25 (.010)$	W $\pm 0,38 (.015)$	L $\pm 0,25 (.010)$
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)

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

Receptacle



Part Numbers

Shell Size	Layout	Through Hole
DE	9	DE9S-1AON-A197
DA	15	DA15S-1AON-A197
DB	25	DB25S-1AON-A197
DC	37	DC37S-1AON-A197
DD	50	DD50S-1AON-A197

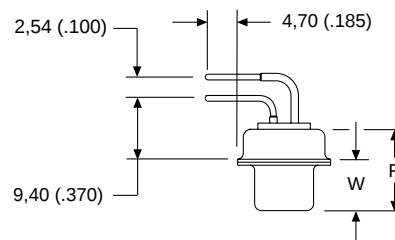
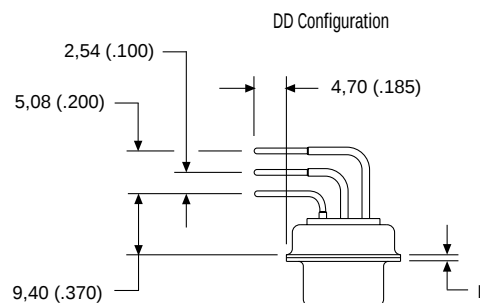
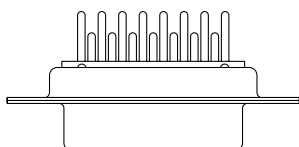
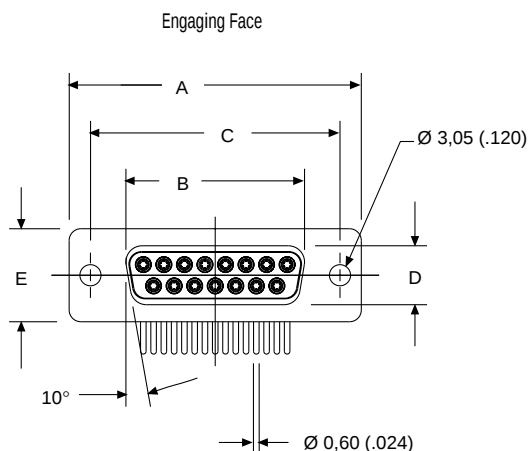
Note: For performance class 2 add -A191. Example: DE9S-1AON-A191-A197

Selection Guide

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

Reader's Resource

For contact cavity arrangements,
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For panel cutouts, see page 221.
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see page 227.



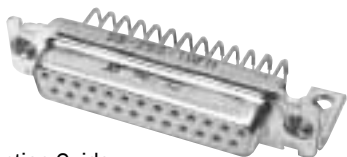
Dimensions

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)

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

90° Solder Termination (Machined) with Metal Bracket — European Footprint 10,2♦ or 9,4♦♦ mm

Receptacle



Selection Guide

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

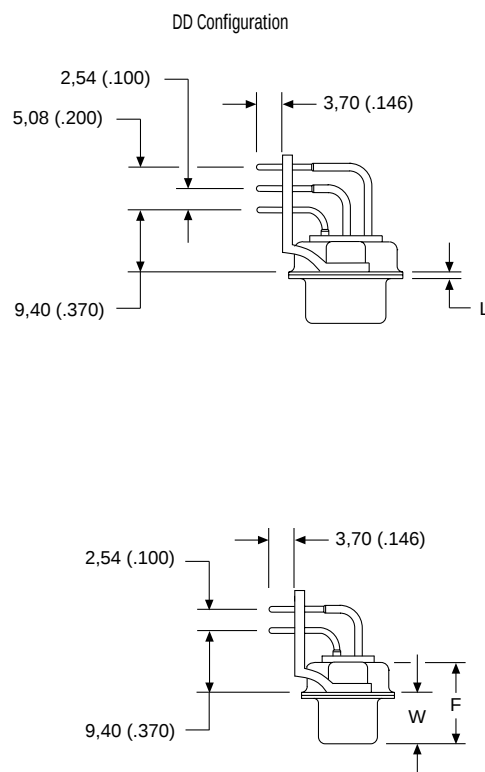
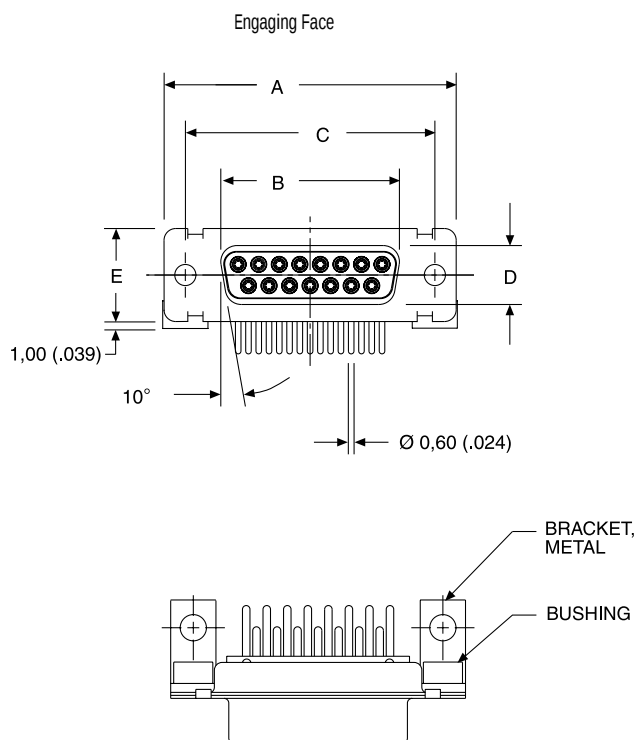
Part Numbers

Shell Size	Layout	Bushing with Through Hole	Captive Nut #4-40 UNC	Captive Nut M3	Post #4-40 UNC
DE	9	DE9S-1AFN-A197	DE9S-1A7N-A197	DE9S-1A9N-A197	DE9S-1A8N-A197
DA	15	DA15S-1AFN-A197	DA15S-1A7N-A197	DA15S-1A9N-A197	DA15S-1A8N-A197
DB	25	DB25S-1AFN-A197	DB25S-1A7N-A197	DB25S-1A9N-A197	DB25S-1A8N-A197
DC	37	DC37S-1AFN-A197	DC37S-1A7N-A197	DC37S-1A9N-A197	DC37S-1A8N-A197
DD	50	DD50S-1AFN-A197	DD50S-1A7N-A197	DD50S-1A9N-A197	DD50S-1A8N-A197

Notes: For pushfit/boardlock option add -146. Example: DE9S-1AFN-A197-146
For performance class 2 add -A191. Example: DE9S-1AFN-A191-A197

Reader's Resource

For contact cavity arrangements, see page 224.
For P.C. hole patterns, see page 273.
For panel cutouts, see page 221.
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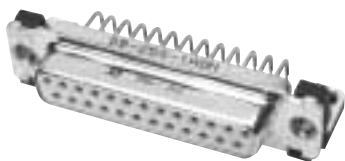
Dimensions

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)

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

90° Solder Termination (Machined) with Plastic Bracket and Grounding Strap — European Footprint 10,2♦ or 9,4 mm♦♦

Receptacle



Part Numbers

Shell Size	Layout	Through Hole	Captive Nut #4-40 UNC	Captive Nut M3	Post #4-40 UNC
DE	9	DE9S-1ADN-A197	DE9S-1AWN-A197	DE9S-1AVN-A197	DE9S-1AJN-A197
DA	15	DA15S-1ADN-A197	DA15S-1AWN-A197	DA15S-1AVN-A197	DA15S-1AJN-A197
DB	25	DB25S-1ADN-A197	DB25S-1AWN-A197	DB25S-1AVN-A197	DB25S-1AJN-A197
DC	37	DC37S-1ADN-A197	DC37S-1AWN-A197	DC37S-1AVN-A197	DC37S-1AJN-A197
DD	50	DD50S-1ADN-A197	DD50S-1AWN-A197	DD50S-1AVN-A197	DD50S-1AJN-A197

Notes: For pushfit/boardlock option add -146. Example: DE9S-1ADN-A197-146

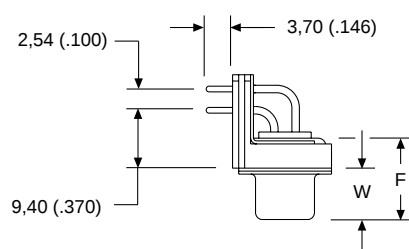
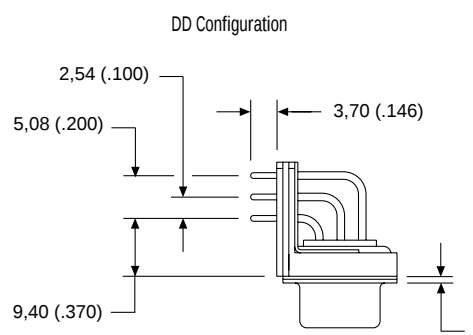
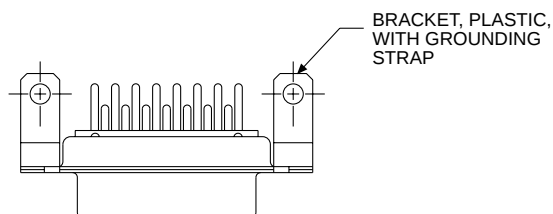
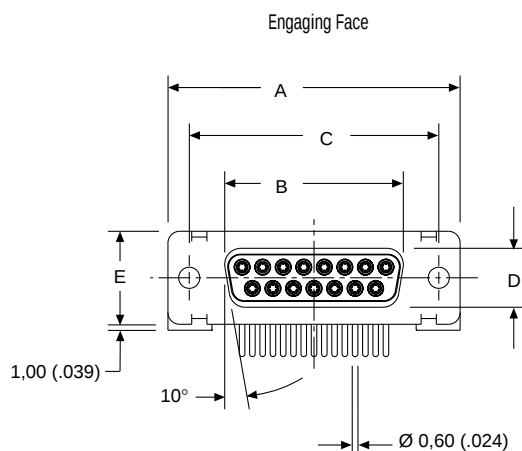
For performance class 2 add -A191. Example: DE9S-1ADN-A191-A197

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 273.
For panel cutouts, see page 221.
For hardware views (European),
see page 227.



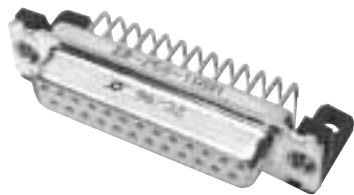
Dimensions

Shell Size	A	B	C	D	E	F	W	L
	±0,38 (.015)	±0,13 (.005)	±0,13 (.005)	±0,13 (.005)	±0,38 (.015)	±0,25 (.010)	±0,38 (.015)	±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)

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

90° Solder Termination (Machined) with Plastic Bracket — European Footprint 10,2♦ or 9,4 mm♦♦

Receptacle



Part Numbers

Shell Size	Layout	Through Hole	Captive Nut #4-40 UNC	Captive Nut M3	Post #4-40 UNC
DE	9	DE9S-1A5N-A197	DE9S-1AUN-A197	DE9S-1ATN-A197	DE9S-1A6N-A197
DA	15	DA15S-1A5N-A197	DA15S-1AUN-A197	DA15S-1ATN-A197	DA15S-1A6N-A197
DB	25	DB25S-1A5N-A197	DB25S-1AUN-A197	DB25S-1ATN-A197	DB25S-1A6N-A197
DC	37	DC37S-1A5N-A197	DC37S-1AUN-A197	DC37S-1ATN-A197	DC37S-1A6N-A197
DD	50	DD50S-1A5N-A197	DD50S-1AUN-A197	DD50S-1ATN-A197	DD50S-1A6N-A197

Notes: For push/boardlock option add -146. Example: DE9S-1A5N-A197-146

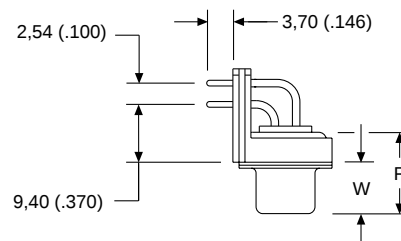
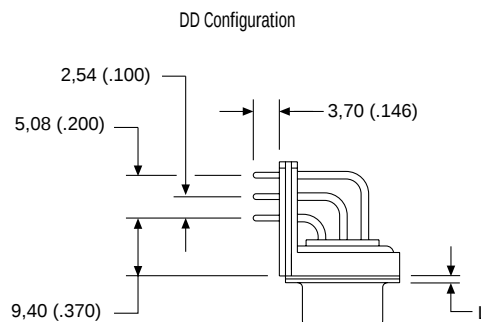
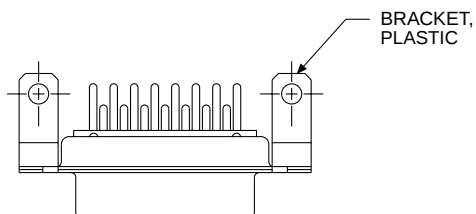
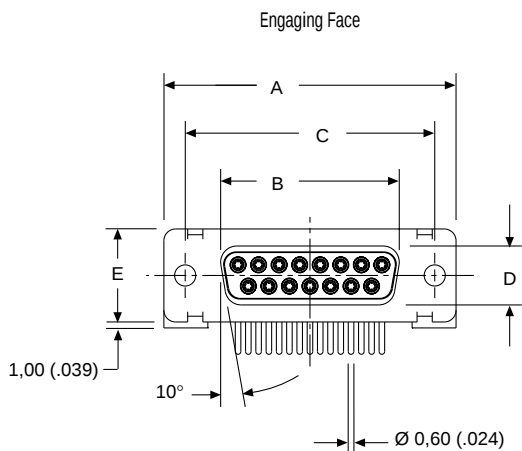
For performance class 2 add -A191. Example: DE9S-1A5N-A191-A197

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 273.
For panel cutouts, see page 221.
For hardware views (European),
see page 227.



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)

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

Solder Cup Termination (Machined) with Tin Shells

Receptacle



Part Numbers

Shell Size	Layout	Through Hole	Clinch Nut #4-40 UNC	Clinch Nut M3
DE	9	DE9SA197	DEE9SA197	DEX9SA197
DA	15	DA15SA197	DAE15SA197	DAX15SA197
DB	25	DB25SA197	DBE25SA197	DBX25SA197
DC	37	DC37SA197	DCE37SA197	DCX37SA197
DD	50	DD50SA197	DDE50SA197	DDX50SA197

Selection Guide

For Product Features, Specifications,
Materials and Finishes, see pages 30-31.

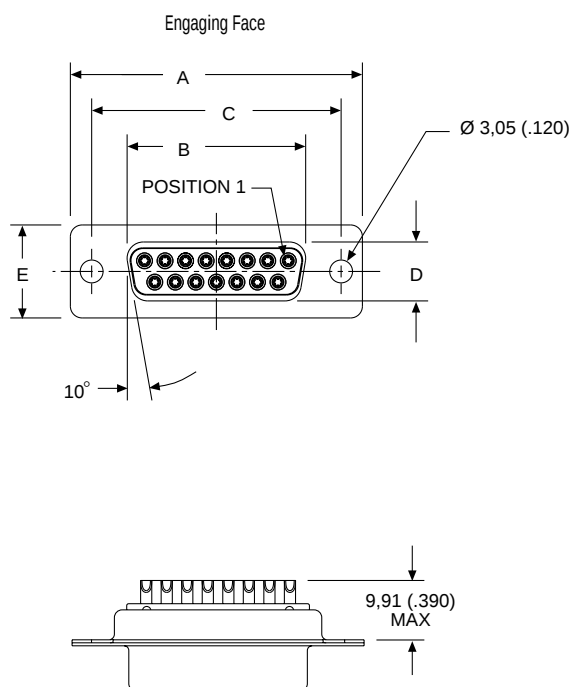
Note: For performance class 2, add A191. Example: DA15SA191A197.

Reader's Resource

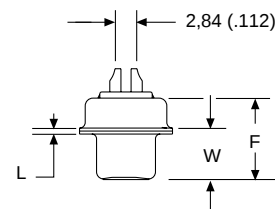
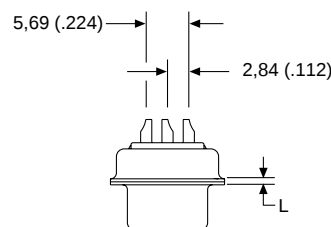
For contact cavity arrangements,
see page 224.

For panel cutouts, see page 221.

For hardware views (European),
see page 227.



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)	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)

Solder Cup Termination (Stamped) with Tin Shells

Receptacle



Part Numbers

Shell Size	Layout	Through Hole
DE	9	ZDE9S
DA	15	ZDA15S
DB	25	ZDB25S
DC	37	ZDC37S
DD	50	ZDD50S

Selection Guide

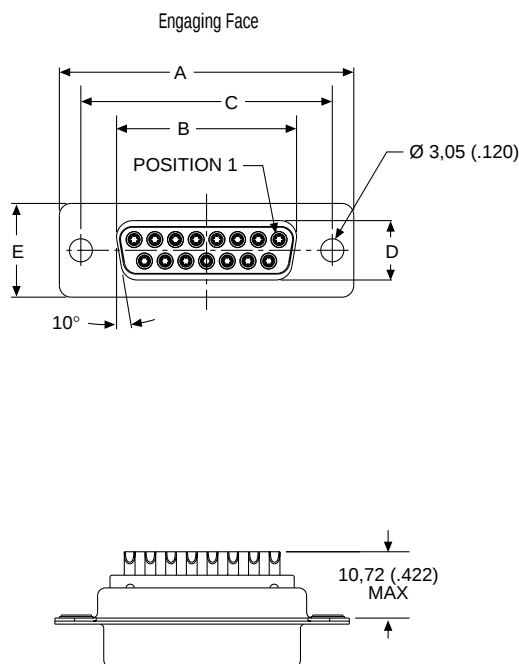
For Product Features, Specifications,
Materials and Finishes, see pages 30-31.

Reader's Resource

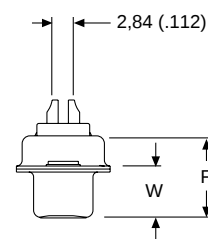
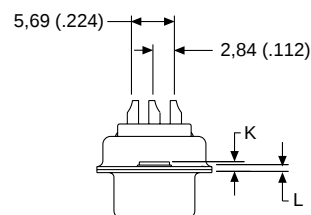
For contact cavity arrangements,
see page 224.

For panel cutouts, see page 221.

For hardware views (Standard), see page 226.



DD Configuration



Dimensions

Shell Size	A	B	C	D	E	F	W	K	L
	±0,38 (.015)	±0,13 (.005)	±0,13 (.005)	±0,13 (.005)	±0,38 (.015)	±0,25 (.010)	±0,38 (.015)	±0,318 (.0125)	±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)

D Subminiature

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DCMP21CA4SVA197	51	DCMY13W6SA197	79	DCNGE37S-P1	5	DDJK50P*-OL4	120
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DCMP21PA4PVK87	64	DCMY17W5PNM	188	DCNGX37P-P1	4	DDJK50P*-OL4	120
DCMP21PA4SVA197	65	DCMY17W5SA197	79	DCNGX37S-P1	5	DDJK50P*-OL4-146	120
DCMP25C3PJ87	44	DCMY17W5SNM	189	DCNGZ37P-P1	4	DDM-24W7P-1A0N-K87	74
DCMP25C3PVK87	50	DCMY21WA4PK87	78	DCNGZ37S-P1	5	DDM-24W7P-1A7N-K87	74
DCMP25C3SJA197	45	DCMY21WA4PNM	188	DCW37P*	38	DDM-24W7P-NMB-77	195
DCMP25C3SVA197	51	DCMY21WA4SA197	79	DCW37P*G	38	DDM-24W7P-NMC-76	195
DCMP25H3PJ87	60	DCMY21WA4SNM	189	DCW37S*	39	DDM-24W7P-OL2-K87	76
DCMP25H3SJA197	61	DCMY25W3PK87	78	DCW37S*G	39	DDM-24W7P-OL4-K87	76
DCMP25P3PVK87	64	DCMY25W3PNM	188	DCWE37P*	38	DDM-24W7S-1A0N-A197	75
DCMP25P3SVA197	65	DCMY25W3SA197	79	DCWE37P*G	38	DDM-24W7S-1A7N-A197	75
DCMP27C2PJ87	44	DCMY25W3SNM	189	DCWE37S*	39	DDM-24W7S-NMB-76	195
DCMP27C2PVK87	50	DCMY27W2PK87	78	DCWE37S*G	39	DDM-24W7S-NMC-76	195
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DCMP27H2PJ87	60	DCMY27W2SNM	189	DCX37S-OL2-A197-146	11	DDM-36W4P-1A0N-K87	74
DCMP27H2SJA197	61	DCMY37P	140	DCX37SA197	33	DDM-36W4P-1A7N-K87	74
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DCMP8C8PJ87	44	DCMY37SNM	181	DD115386-103A	195	DDM-36W4S-1A7N-A197	75
DCMP8C8PVK87	50	DCMY37SNM*1A0N	177	DD121073-153	200	DDM-36W4S-NMB-77	195
DCMP8C8SJA197	45	DCMY37SOL3NM	173	DD121073-53	200	DDM-36W4S-NMC-76	195
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DCMP8H8PJ87	60	DCMY8W8PNM	188	DD19678-172	195	DDM-36W4S-OL4-A197	77
DCMP8H8SJA197	61	DCMY8W8SA197	79	DD19678-176	195	DDM-43W2P-1A0N-K87	74
DCMP8H8PVK87	64	DCMY8W8SNM	189	DD19678-4	204	DDM-43W2P-1A7N-K87	74
DCMP8P8SVA197	65	DCMZ13C6PNK87	52	DD19977-4	204	DDM-43W2P-OL2-K87	76
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DCMV13C6PYK87	56	DCMZ13C6SNA197	53	DD20964	203	DDM-43W2S-1A0N-A197	75
DCMV13C6SNA197	53	DCMZ13C6SYA197	57	DD20964-19	192	DDM-43W2S-1A7N-A197	75
DCMV13C6SYA197	57	DCMZ13H6PNK87	66	DD21961	214	DDM-43W2S-NMB-77	195
DCMV13H6PNK87	66	DCMZ13H6PYK87	70	DD21962	215	DDM-43W2S-NMC-76	195
DCMV13H6PYK87	70	DCMZ13H6SNA197	67	DD24661	203	DDM-43W2S-OL2-A197	77
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DCMV17C5PNK87	52	DCMZ17C5PYK87	56	DD50P-OL2-K87	10	DDM-47W1P-1A7N-K87	74
DCMV17C5PYK87	56	DCMZ17C5SNA197	53	DD50P-1A5N-K87	26	DDM-47W1P-OL2-K87	76
DCMV17C5SNA197	53	DCMZ17C5SYA197	57	DD50P-1A6N-K87	26	DDM-47W1P-OL4-K87	76
DCMV17C5SYA197	57	DCMZ17H5PNK87	66	DD50P-1A7N-K87	22	DDM-47W1S-1A0N-A197	75
DCMV17H5PNK87	66	DCMZ17H5PYK87	70	DD50P-1A8N-K87	22	DDM-47W1S-1A7N-A197	75
DCMV17H5PYK87	70	DCMZ17H5SNA197	67	DD50P-1A9N-K87	22	DDM-47W1S-NMC-76	195
DCMV17H5SNA197	67	DCMZ17H5SYA197	71	DD50P-1ADN-K87	24	DDM-47W1S-OL2-A197	77
DCMV17H5SYA197	71	DCMZ21CA4PNK87	52	DD50P-1AFN-K87	22	DDM-47W1S-OL4-A197	77
DCMV21CA4PNK87	52	DCMZ21CA4PYK87	56	DD50P-1AJN-K87	24	DDM-50P-NMC-77	195
DCMV21CA4PYK87	56	DCMZ21CA4SNA197	53	DD50P-1A0N-K87	20	DDM-50S-NMC-76	195
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DCMV21CA4SYA197	57	DCMZ21HA4PNK87	66	DD50P-1AUN-K87	26	DDM24W7P1A0NNMBK52	195
DCMV21HA4PNK87	66	DCMZ21HA4PYK87	70	DD50P-1AVN-K87	24	DDM24W7P1A7NNMBK52	195
DCMV21HA4PYK87	70	DCMZ21HA4SNA197	67	DD50P-1AWN-K87	24	DDM24W7P1A9NNMBK52	195
DCMV21HA4SNA197	67	DCMZ21HA4SYA197	71	DD50P-F179A-K87	12	DDM24W7P1F179ANMBK52	195
DCMV21HA4SYA197	71	DCMZ25C3PNK87	52	DD50PK87	32	DDM24W7PK87	78
DCMV25C3PNK87	52	DCMZ25C3PYK87	56	DD50S-OL2-A197	11	DDM24W7PNM	188
DCMV25C3PYK87	56	DCMZ25C3SNA197	53	DD50S-1A5N-A197	27	DDM24W7PNMB76	195
DCMV25C3SNA197	53	DCMZ25C3SYA197	57	DD50S-1A6N-A197	27	DDM24W7PNMBK52	195
DCMV25C3SYA197	57	DCMZ25H3PNK87	66	DD50S-1A7N-A197	23	DDM24W7POL3NNMBK52	195
DCMV25H3PNK87	66	DCMZ25H3PYK87	70	DD50S-1A8N-A197	23	DDM24W7S1A0NNMBK52	195
DCMV25H3PYK87	70	DCMZ25H3SNA197	67	DD50S-1A9N-A197	23	DDM24W7S1A7NNMBK52	195
DCMV25H3SNA197	67	DCMZ25H3SYA197	71	DD50S-1ADN-A197	25	DDM24W7S1A9NNMBK52	195
DCMV25H3SYA197	71	DCMZ27C2PNK87	52	DD50S-1AFN-A197	23	DDM24W7SA197	79
DCMV27C2PNK87	52	DCMZ27C2PYK87	56	DD50S-1AJN-A197	25	DDM24W7SF179ANMBK52	195
DCMV27C2PYK87	56	DCMZ27C2SNA197	53	DD50S-1A0N-A197	21	DDM24W7SNM	189
DCMV27C2SNA197	53	DCMZ27C2SYA197	57	DD50S-1ATN-A197	27	DDM24W7SNMB77	195
DCMV27C2SYA197	57	DCMZ27H2PNK87	66	DD50S-1AUN-A197	27	DDM24W7SNMBK52	195
DCMV27H2PNK87	66	DCMZ27H2PYK87	70	DD50S-1AVN-A197	25	DDM24W7SOL3NNMBK52	195
DCMV27H2PYK87	70	DCMZ27H2SNA197	67	DD50S-1AWN-A197	25	DDM36W4P1A0NNMBK52	195
DCMV27H2SNA197	67	DCMZ27H2SYA197	71	DD50S-F179A-A197	13	DDM36W4P1A7NNMBK52	195
DCMV27H2SYA197	71	DCMZ37PNK87	6	DD50SA197	33	DDM36W4P1A9NNMBK52	195
DCMV37PNK87	6	DCMZ37SNA197	7	DD51216	206	DDM36W4P1F179ANMBK52	195
DCMV37SNA197	7	DCMZ8C8PNK87	52	DD51217	206	DDM36W4PK87	78
DCMV8C8PNK87	52	DCMZ8C8PYK87	56	DD51223-1	210	DDM36W4PNM	188
DCMV8C8PYK87	56	DCMZ8C8SNA197	53	DD53750-4	218	DDM36W4PNMBK52	195
DCMV8C8SNA197	53	DCMZ8C8SYA197	57	DDA24W7PK87F0	80	DDM36W4POL3NNMBK52	195
DCMV8C8SYA197	57	DCMZ8H8PNK87	66	DDA24W7SA197F0	81	DDM36W4S1A0NNMBK52	195
DCMV8H8PNK87	66	DCMZ8H8PYK87	70	DDA36W4PK87F0	80	DDM36W4S1A7NNMBK52	195
DCMV8H8PYK87	70	DCMZ8H8SNA197	67	DDA36W4SA197F0	81	DDM36W4S1A9NNMBK52	195

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