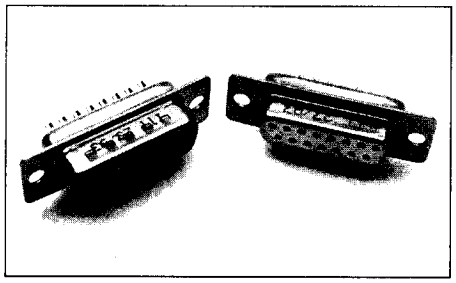
D* — Solder Cup Termination (Machined) with Tin Shells



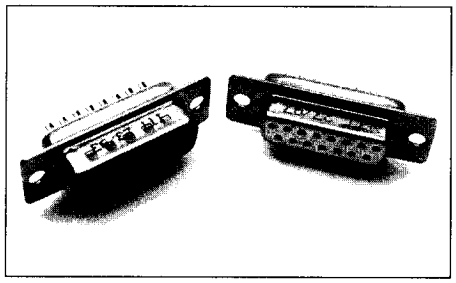
D* solder cup connectors are used for cable or panel mount wiring applications. Solder cup connectors provide maximum flexibility and performance for applications requiring discrete solder terminations and field repair without termination tooling.

Product Features

Machined solder cup termination, 5 A current capacity
High performance commercial class connectors
Two contact performance classes
Optional clinch nuts with #4-40 UNC or M3 threads

See pages 32-33.

ZD* — Solder Cup Termination (Stamped) with Tin Shells



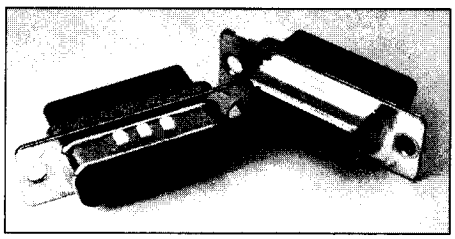
ZD* solder cup connectors are used for cable or panel mount wiring applications. Solder cup connectors provide maximum flexibility and performance for applications requiring discrete solder terminations.

Product Features

Stamped solder cup termination, 5 A current capacity
Economical

See pages 34-35.

D*A — Crimp Connectors without Contacts



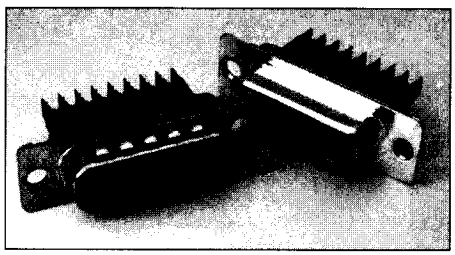
D*A crimp contact connectors are designed for reliable, fast cabling. Available in the industry standard D*A housing, the connectors provide a low-cost, quick cabling alternative compared to soldering.

Product Features

Crimp contacts available in reels of 5,000
Application tooling:
- Hand or automatic
- Stripper crimper

See pages 36-37.

D*W — Discrete Wire IDC



The D*W connector provides insulation displacement connection technology for either solid or stranded wires. With D*W, speed of cabling is increased significantly over solder cup or crimp solutions. Contacts are easily removable and replaceable. Several specialized accessories (including shield cans, ferrules, and plastic boots) are available to provide a complete product solution.

Product Features

Quick harnessing capability with simple hand or semi-automatic tooling
Accepts 30 AWG to 20 AWG wire; sizes can be mixed
Shield cans insure reliable shielding continuity

See pages 38-41.

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

Specifications

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

Materials and Finishes

Description	Material	Finish
Shell/Hardware	Steel	Tin
Insulator	Thermoplastic, UL 94V-0	None
Contacts	Copper Alloy	Gold over Nickel

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

Specifications

Temperature Rating	−55°C to 105°C
Current Rating	5 A (20 AWG)
Contact Resistance	15 mΩ
Dielectric Withstanding Voltage	500 VAC at Sea Level

Materials and Finishes

Description	Material	Finish
Shell/Hardware	Steel	Tin
Insulator	Thermoplastic, UL 94V-0	None
Contacts	Copper Alloy	Gold over Nickel

Specifications

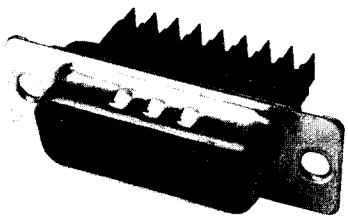
Temperature Rating	−55°C to 125°C
Current Rating	3 A (20 AWG) 2 A (22 AWG) 1,4 A (24 AWG) 1,2 A (26 AWG) 1 A (28 AWG) 0,8 A (30 AWG)
Contact Resistance	15 mΩ
Dielectric Withstanding Voltage	1000 VAC at Sea Level

Materials and Finishes

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

Discrete Wire IDC

Plug



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 (European), see page 227.

Part Numbers

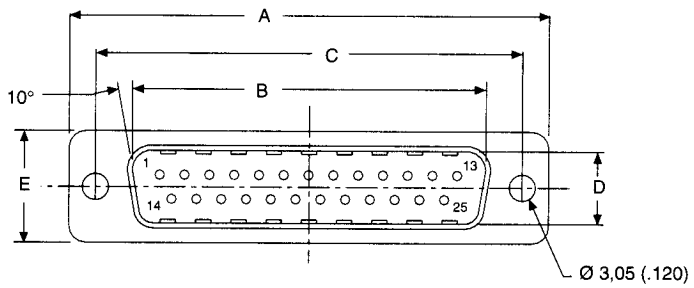
Shell Size	Layout	Through Hole	Clinch Nut #4-40 UNC	Through Hole & Shield Can Kit	Clinch Nut #4-40 UNC & Shield Can Kit
DE	9	DEW9P*	DEWE9P*	DEW9P*G	DEWE9P*G
DA	15	DAW15P*	DAWE15P*	DAW15P*G	DAWE15P*G
DB	25	DBW25P*	DBWE25P*	DBW25P*G	DBWE25P*G
DC	37	DCW37P*	DCWE37P*	DCW37P*G	DCWE37P*G

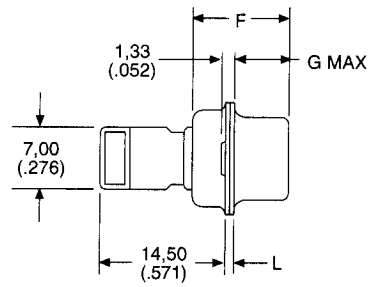
Note: *Insert contact type. Example: DEW9P1.
For contacts with 0,76 µm gold add -A176. Example: DEW9P1-A176.
For shield can kit, see page 40.

Contact Types*	Wire Accommodation
1	28 AWG/30 AWG
2	22 AWG/26 AWG
3	20 AWG/22 AWG

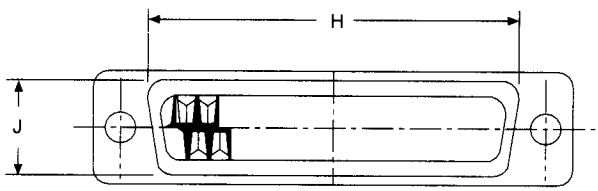
For more information, see pages 40-41.

Engaging Face





Rear Face



Dimensions

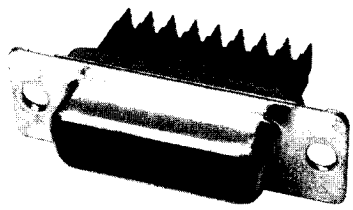
Shell Size	Layout	A ±0,38 (.015)	B ±0,12 (.005)	C ±0,12 (.005)	D ±0,13 (.005)	E ±0,38 (.015)	F ±0,25 (.010)	G max.	H ±0,25 (.010)	J ±0,25 (.010)	L ±0,25 (.010)
DEW	9	30,81 (1.213)	16,91 (.666)	24,99 (.984)	8,35 (.329)	12,55 (.494)	10,71 (.422)	6,05 (.238)	19,27 (.759)	10,71 (.422)	0,76 (.030)
DAW	15	39,14 (1.541)	25,54 (.994)	33,32 (1.312)	8,35 (.329)	12,55 (.494)	10,71 (.422)	6,05 (.238)	27,50 (1.083)	10,71 (.422)	0,76 (.030)
DBW	25	53,03 (2.048)	38,96 (1.534)	47,04 (1.852)	8,35 (.329)	12,55 (.494)	10,82 (.426)	5,99 (.236)	41,27 (1.625)	10,71 (.422)	0,99 (.039)
DCW	37	69,32 (2.729)	55,42 (2.182)	63,50 (2.500)	8,35 (.329)	12,55 (.494)	10,82 (.426)	5,99 (.236)	57,70 (2.272)	10,71 (.422)	0,99 (.039)

ITT Cannon

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

Discrete Wire IDC

Receptacle



Selection Guide

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Reader's Resource

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Part Numbers

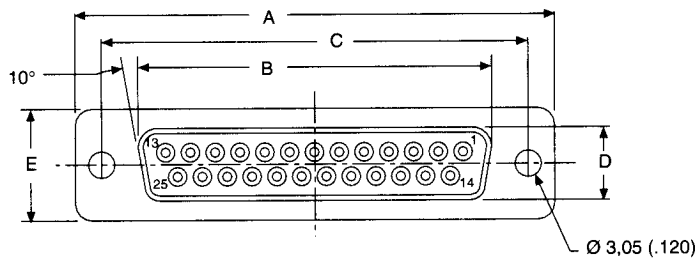
Shell Size	Layout	Through Hole	Clinch Nut #4-40 UNC	Through Hole & Shield Can Kit	Clinch Nut #4-40 UNC & Shield Can Kit
DE	9	DEW9S*	DEWE9S*	DEW9S*G	DEWE9S*G
DA	15	DAW15S*	DAWE15S*	DAW15S*G	DAWE15S*G
DB	25	DBW25S*	DBWE25S*	DBW25S*G	DBWE25S*G
DC	37	DCW37S*	DCWE37S*	DCW37S*G	DCWE37S*G

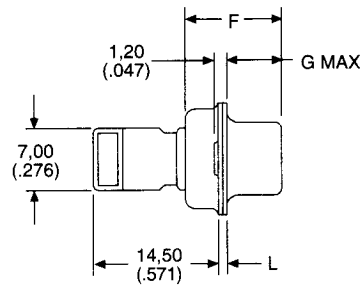
Note: *Insert contact type. Example: DEW9S1.
For contacts with 0,76 µm gold add -A176. Example: DEW9S1-A176.
For shield can kit, see page 40.

Contact Types*	Wire Accommodation
1	28 AWG/30 AWG
2	22 AWG/26 AWG
3	20 AWG/22 AWG

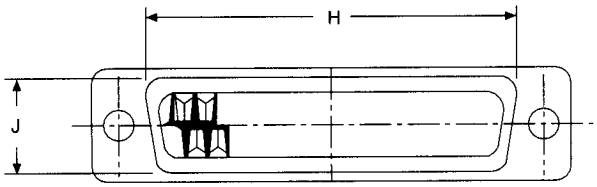
For more information, see pages 40-41.

Engaging Face





Rear Face



Dimensions

Shell Size	Layout	A ±0,38 (.015)	B ±0,12 (.005)	C ±0,12 (.005)	D ±0,13 (.005)	E ±0,38 (.015)	F ±0,25 (.010)	G max.	H ±0,25 (.010)	J ±0,25 (.010)	L ±0,25 (.010)
DEW	9	30,81 (1.213)	16,33 (.643)	24,99 (.984)	7,90 (.311)	12,55 (.494)	10,89 (.429)	6,30 (.248)	19,27 (.759)	10,71 (.422)	0,76 (.030)
DAW	15	39,14 (1.541)	24,66 (.971)	33,32 (1.312)	7,90 (.311)	12,55 (.494)	10,89 (.429)	6,30 (.248)	27,50 (1.083)	10,71 (.422)	0,76 (.030)
DBW	25	53,03 (2.048)	38,38 (1.511)	47,04 (1.852)	7,90 (.311)	12,55 (.494)	10,89 (.429)	6,30 (.248)	41,27 (1.625)	10,71 (.422)	0,76 (.030)
DCW	37	69,32 (2.729)	55,84 (2.159)	63,50 (2.500)	7,90 (.311)	12,55 (.494)	10,89 (.429)	6,30 (.248)	57,70 (2.272)	10,71 (.422)	0,76 (.030)