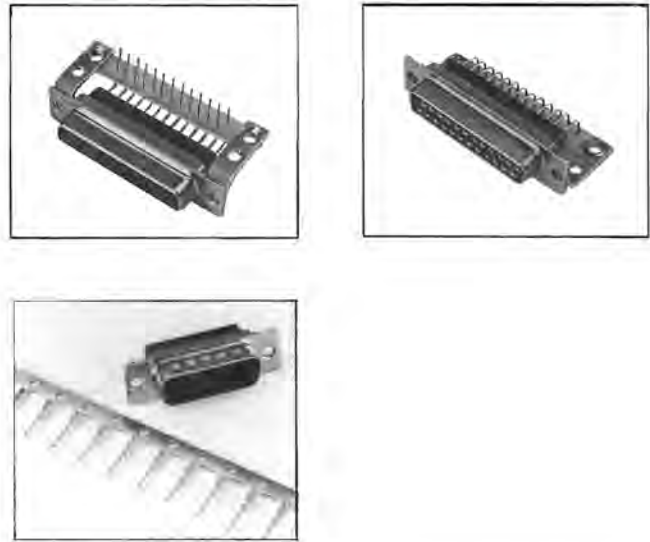


BURGUN-D D*C/D*U

The BURGUN-D Series, Cannon's low cost crimp-type D Sub-miniature, offers both machined and stamped contacts for crimp and printed circuit applications. Available in UL 94V-0 material, the D*C/D*U Series features a snap-in, rear-release contact and is widely used for commercial cabling and P.C. board applications. For high volume crimp applications connectors are purchased less contacts (code "FO"), and stamped contacts on reels are purchased in bulk for use with Cannon's high-speed crimping equipment.



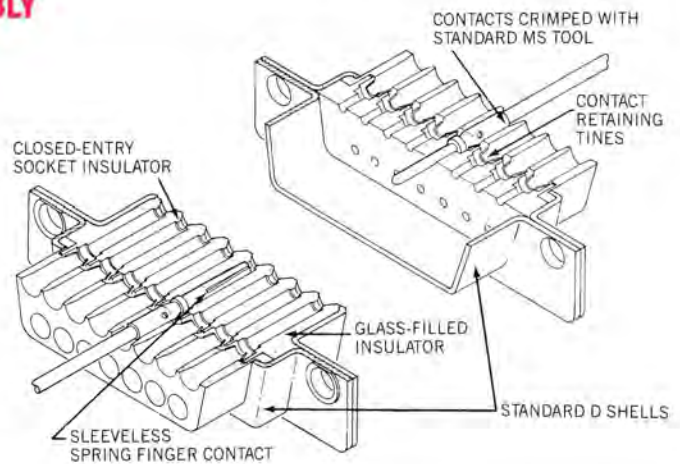
REAR RELEASE CONTACT RETENTION ASSEMBLY

The D*C and D*U connectors feature a rear insulator with integral, molded contact retaining tines. These plastic tines permit the insertion and extraction of contacts from the rear of the connector with a simple, expendable plastic insertion/extraction tool.

During contact insertion, the retaining tines expand as the contact passes thru. These rugged tines snap into place behind the contact shoulder when the contact is fully inserted. The tool is inserted to expand the tines, allowing easy extraction of the wired contact.

The retention system and the integral contact retaining tines guarantee functional reliability in many environments.

- Mates with existing D types
- Operates in temperatures to + 125 °C
- Crimp snap-in contacts
- Highly reliable socket contacts
- Insertion/extraction with expendable tool
- Corrects misaligned contacts



STANDARD DATA

MATERIALS AND FINISHES

	Material	Finish
Shell	Steel	Yellow chromate over cadmium
Insulator	D*C: Thermoplastic, Glass-filled, color red	
	D*U: UL 94V-0 rated Thermoplastic, Glass-filled, color black	
Contacts	Machined	Copper alloy
	Stamped and Formed	Copper alloy
	Crimp Type	
	Stamped and Formed	Copper alloy
P.C. Type		Gold over nickel engaging end, tin/lead terminal end
Float Mount Hardware	Stainless Steel	Passivated

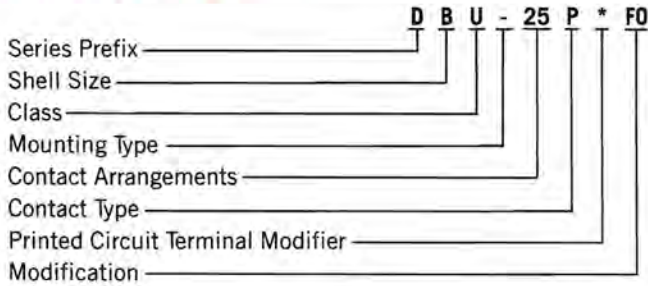
MECHANICAL FEATURES

Coupling—Friction and lock accessories
Polarization—Keystone-shaped shells

PERFORMANCE SPECIFICATIONS

Wire Size—See contact ordering information.
Current Rating—#20 contact, 5 Amps
Voltage Rating—1000 VAC sea level
Temperature Rating— - 65 °C to + 125 °C

HOW TO ORDER



SERIES PREFIX

D — ITT Cannon designation

SHELL SIZE

E, A, B, C and D

CLASS

C — Contact retaining tines, BURGUN-D insulator
U — Contact retaining tines, UL 94V-O rated black insulator

MOUNTING TYPE

No designator — standard .120 (3.05) diameter mounting holes
E — 4-40 clinch nut for rear panel mounting
F — Float mount for rear panel mounting
K — .154 (3.91) diameter mounting hole
R — Reverse float mount for front panel mounting
Y — Dual float mount for both front and rear panel mounting

CONTACT ARRANGEMENTS

3, 5, 9, 15, 25, 37 and 50

CONTACT TYPE

P — Pin; S — Socket

PRINTED CIRCUIT TERMINAL MODIFIER

Right Angle Terminal

AA — Stamped contacts with bracket—.030/.026 (0.76/0.66) dia. with .164/.149 (4.16/3.78) extension from bracket
AD — Machined contacts with bracket—.026/.022 (0.66/0.56) dia. with .164/.149 (4.16/3.78) extension from bracket
CA — Stamped contacts with metal bracket—.030/.026 (0.76/0.66) dia. with .164/.149 (4.16/3.78) extension from bracket

Straight Terminal

BB — Stamped contacts—.030/.026 (0.76/0.66) dia. with .159/.129 (4.04/3.28) extension from rear of insulator
BF — Machined contacts—.026/.022 (0.66/0.56) dia. with .159/.129 (4.04/3.28) extension from rear of insulator

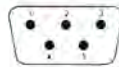
MODIFICATION

A197 — Tin plated shells
K87 — Tin plated shells with grounding indents for EMI/RFI supression (pin connectors only)
FO — Connector less contacts (not stamped on connector)
See page 66 for additional modifications.

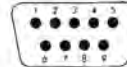
CONTACT ARRANGEMENTS (Face View Pin Insert)



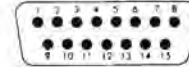
Shell Size **E**
Contact Arrangement **3**
Contact Size **#20**



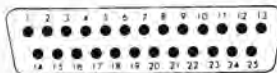
Shell Size **E**
Contact Arrangement **5**
Contact Size **#20**



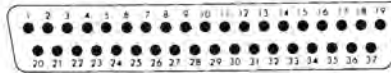
Shell Size **E**
Contact Arrangement **9**
Contact Size **#20**



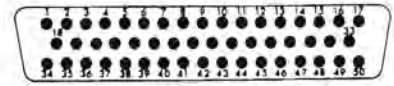
Shell Size **A**
Contact Arrangement **15**
Contact Size **#20**



Shell Size **B**
Contact Arrangement **25**
Contact Size **#20**

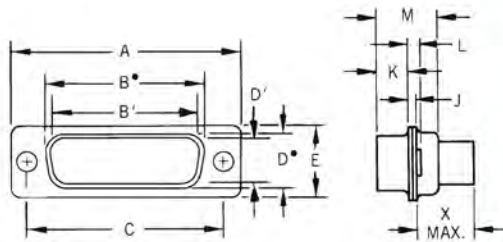


Shell Size **C**
Contact Arrangement **37**
Contact Size **#20**

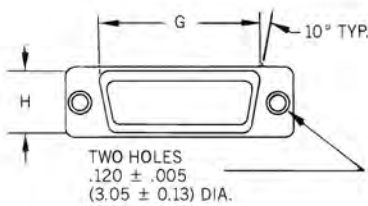


Shell Size **D**
Contact Arrangement **50**
Contact Size **#20**

STANDARD SHELL



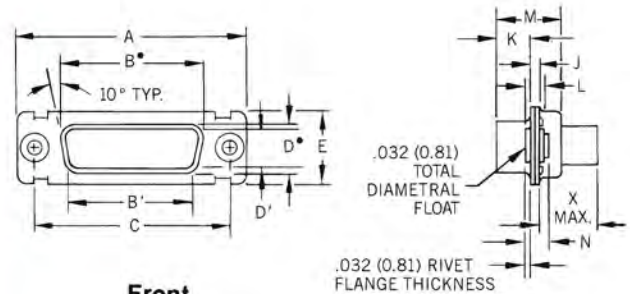
Front



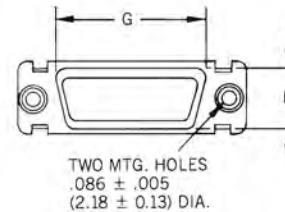
Rear

SHELL WITH FLOAT MOUNTS

(For shell with float mounts add letter F: e.g., DEC F9P)



Front



Rear

It is recommended that only one assembly, either pin or socket, be float mounted. For front panel mounting use reverse float mount; see page 65.

INCHES

Part Number by Shell Size	A ±.015	B ±.010	B' ±.010	C ±.005	D ±.010	D' ±.010	E ±.015	G ±.010	H ±.010	J ±.010	K ±.010	L ±.010	M ±.015	N ±.010	X Max.
DEC-9P	1.213	—	.666	.984	—	.329	.494	.759	.422	.030	.236	.045	.422	.120	.375
DEC-9S	1.213	.640	—	.984	.308	—	.494	.759	.422	.030	.243	.045	.429	.120	.375
DAC-15P	1.541	—	.994	1.312	—	.329	.494	1.083	.422	.030	.236	.045	.422	.120	.375
DAC-15S	1.541	.968	—	1.312	.308	—	.494	1.083	.422	.030	.243	.045	.429	.120	.375
DBC-25P	2.088	—	1.534	1.852	—	.329	.494	1.625	.422	.039	.231	.060	.426	.129	.375
DBC-25S	2.088	1.508	—	1.852	.308	—	.494	1.625	.422	.030	.243	.045	.429	.120	.375
DCC-37P	2.729	—	2.182	2.500	—	.329	.494	2.272	.422	.039	.231	.060	.426	.129	.375
DCC-37S	2.729	2.156	—	2.500	.308	—	.494	2.272	.422	.030	.243	.045	.429	.120	.375
DDC-50P	2.635	—	2.079	2.406	—	.436	.605	2.178	.534	.039	.231	.060	.426	.129	.375
DDC-50S	2.635	2.062	—	2.406	.420	—	.605	2.178	.534	.030	.243	.045	.429	.120	.375

MILLIMETERS

Part Number by Shell Size	A ±0.38	B ±0.25	B' ±0.25	C ±0.12	D ±0.25	D' ±0.25	E ±0.38	G ±0.25	H ±0.25	J ±0.25	K ±0.25	L ±0.25	M ±0.38	N ±0.25	X Max.
DEC-9P	30.81	—	16.91	24.99	—	8.36	12.55	19.28	10.72	0.76	5.99	1.14	10.72	3.05	9.52
DEC-9S	30.81	16.25	—	24.99	7.82	—	12.55	19.28	10.72	0.76	6.17	1.14	10.90	3.05	9.52
DAC-15P	39.14	—	25.24	33.32	—	8.36	12.55	27.51	10.72	0.76	5.99	1.14	10.72	3.05	9.52
DAC-15S	39.14	24.58	—	33.32	7.82	—	12.55	27.51	10.72	0.76	6.17	1.14	10.90	3.05	9.52
DBC-25P	53.03	—	38.96	47.04	—	8.36	12.55	41.27	10.72	0.99	5.87	1.52	10.82	3.28	9.52
DBC-25S	53.03	38.30	—	47.04	7.82	—	12.55	41.27	10.72	0.76	6.17	1.14	10.90	3.05	9.52
DCC-37P	69.31	—	55.42	63.50	—	8.36	12.55	57.71	10.72	0.99	5.87	1.52	10.82	3.28	9.52
DCC-37S	69.31	54.76	—	63.50	7.82	—	12.55	57.71	10.72	0.76	6.17	1.14	10.90	3.05	9.52
DDC-50P	66.92	—	52.81	61.11	—	11.07	15.37	55.32	13.56	0.99	5.87	1.52	10.82	3.28	9.52
DDC-50S	66.92	52.37	—	61.11	10.67	—	15.37	55.32	13.56	0.76	6.17	1.14	10.90	3.05	9.52

• Dimensions B, D, G, and H are measured as outside dimensions at the bottom of the draw.
NOTE: B • and D • are the O.D. dims. for socket side, B' and D' are the I.D. dims. for pin side.