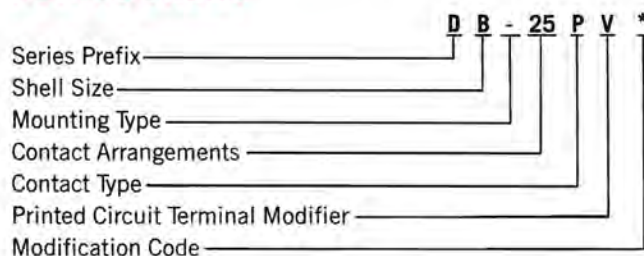


## ORIGINAL-D

The Original-D, Cannon's low cost general-purpose D Subminiature, features solder cup, P.C., or wrap post contacts available in 9, 15, 25, 37, and 50 contact arrangements. Cannon's Original-D utilizes a rugged machined contact captivated in a two-piece insulator.



## HOW TO ORDER



### SERIES PREFIX

D

### SHELL SIZE

E, A, B, C, D

### MOUNTING TYPE

No designator—Standard .120 (3.05) diameter mounting hole  
 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

9, 15, 25, 37, 50

### CONTACT TYPE

P — Pin; S — Socket

### PRINTED CIRCUIT TERMINAL MODIFIER

No designator—Solder cup contacts (standard)  
 A — Right angle, .040 (1.02) diameter terminals with bracket; .093 (2.36) extension below bracket  
 C — Same as A except less bracket  
 H — Straight P.C. .040 (1.02) diameter, .156 (3.96) extension  
 U — Straight P.C. .024 (0.61) diameter, .125 (3.17) extension  
 V — Straight P.C. .040 (1.02) diameter, .093 (2.35) extension

### MODIFICATION CODE

Wire Wrapping Applications  
 F179 — .024 (0.61) sq post, .375 (9.52) extension  
 F179A — .024 (0.61) sq post, .500 (12.70) extension  
 C53 — UL 94V-0 rated polyamide insulator, color black  
 See pg. 66 for additional modifications

## STANDARD DATA

### MATERIALS AND FINISHES

	Material	Finish
Shell	Steel	Yellow chromate over cadmium
Insulator	Two piece white nylon	—
Contacts	Copper alloy	Gold over nickel
Float Mount Hardware	Stainless steel	Passivated

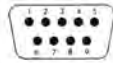
### MECHANICAL FEATURES

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

### PERFORMANCE SPECIFICATIONS

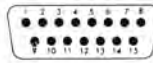
Temperature Rating — -55°C to +120°C  
 Dielectric Withstanding Voltage — 1250 VAC sea level  
 Wire/Contact Size — #20 AWG  
 Current Rating — #20 contact 5 Amps

### CONTACT ARRANGEMENTS (Face View Pin Insert)

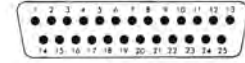


Shell Size  
Contact Arrangement  
Contact Size

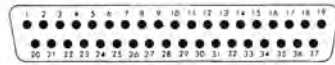
**E**  
9  
#20



**A**  
15  
#20

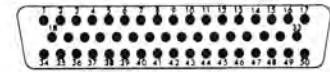


**B**  
25  
#20



Shell Size  
Contact Arrangement  
Contact Size

**C**  
37  
#20



**D**  
50  
#20

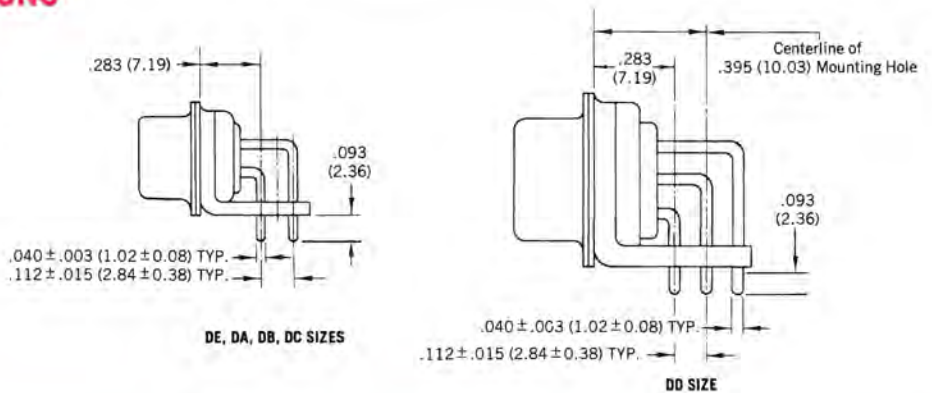
### PRINTED CIRCUIT APPLICATIONS

#### RIGHT ANGLE 90° TERMINAL

Connectors are furnished with or without a bracket.

Part Number Printed Circuit Terminal Modifier	90° Bracket Included
A	Yes
C	No

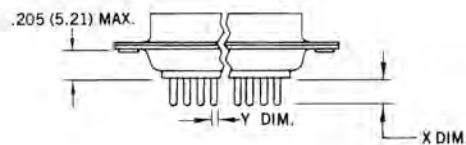
Example: DE-9PA, see page 4 for ordering nomenclature.



#### STRAIGHT TERMINAL

Part Number Printed Circuit Terminal Modifier	X Nominal	Y ± .003 (± 0.08)
H	.156 (3.96)	.040 (1.02)
U	.125 (3.18)	.024 (0.61)
V	.093 (2.36)	.040 (1.02)

Example: DE-9PV, see page 4 for ordering nomenclature.

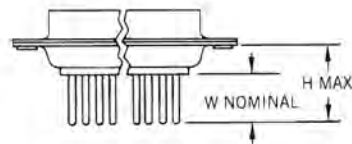


### WIRE WRAPPING APPLICATIONS

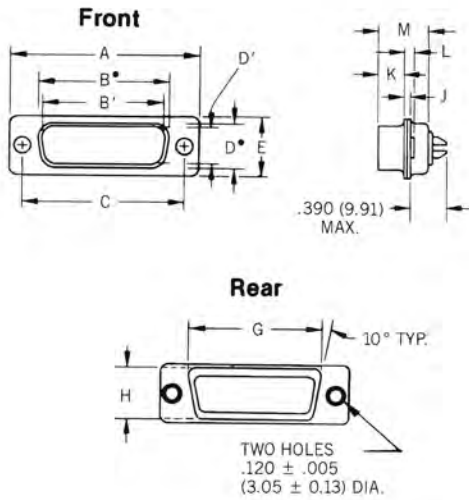
Modification Code	H	W	Wrap Accommodations
F179	.587 (14.91)	.375 (9.52)	2
F179A	.713 (18.11)	.500 (12.7)	3

.024 (0.61) square contact tails will accommodate #28 or #30 AWG rigid wire (diagonal of square is .034/.031 (0.86/0.79)).

Example: DE-9P-F179A. See page 4 for ordering nomenclature.

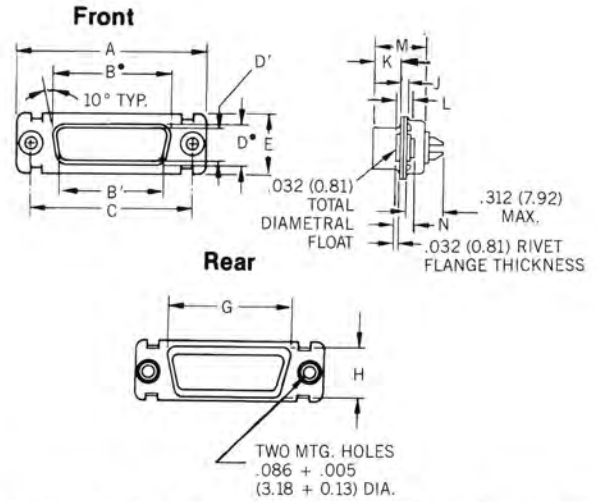


**STANDARD SHELL**



**SHELL WITH FLOAT MOUNTS**

(For shell with float mounts add letter F: e.g., DEF9P)



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
DE-9P	1.213	—	.666	.984	—	.329	.494	.759	.422	.030	.236	.045	.422	.120
DE-9S	1.213	.640	—	.984	.308	—	.494	.759	.422	.030	.243	.045	.429	.120
DA-15P	1.541	—	.994	1.312	—	.329	.494	1.083	.422	.030	.236	.045	.422	.120
DA-15S	1.541	.968	—	1.312	.308	—	.494	1.083	.422	.030	.243	.045	.429	.120
DB-25P	2.088	—	1.534	1.852	—	.329	.494	1.625	.422	.039	.231	.060	.426	.129
DB-25S	2.088	1.508	—	1.852	.308	—	.494	1.625	.422	.030	.243	.045	.429	.120
DC-37P	2.729	—	2.182	2.500	—	.329	.494	2.272	.422	.039	.231	.060	.426	.129
DC-37S	2.729	2.156	—	2.500	.308	—	.494	2.272	.422	.030	.243	.045	.429	.120
DD-50P	2.635	—	2.079	2.406	—	.436	.605	2.178	.534	.039	.231	.060	.426	.129
DD-50S	2.635	2.062	—	2.406	.420	—	.605	2.178	.534	.030	.243	.045	.429	.120

**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
DE-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
DE-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
DA-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
DA-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
DB-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
DB-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
DC-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
DC-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
DD-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
DD-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

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