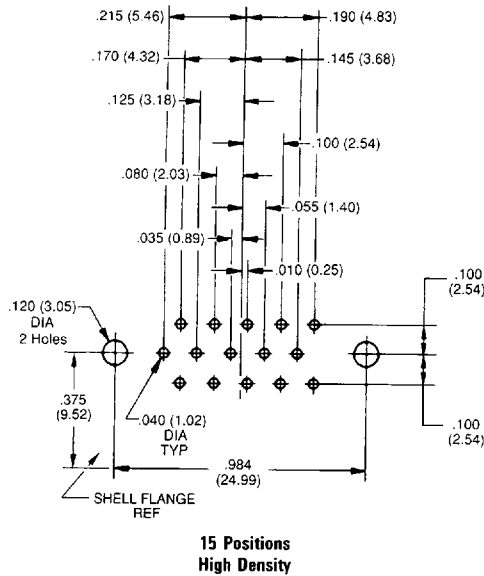


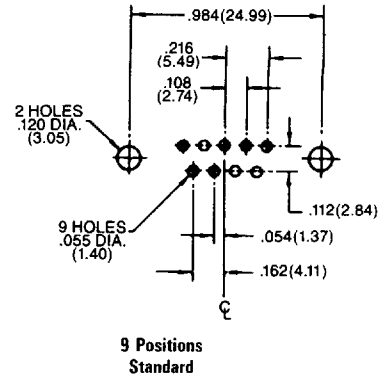
9

PC Board Mounting Specifications

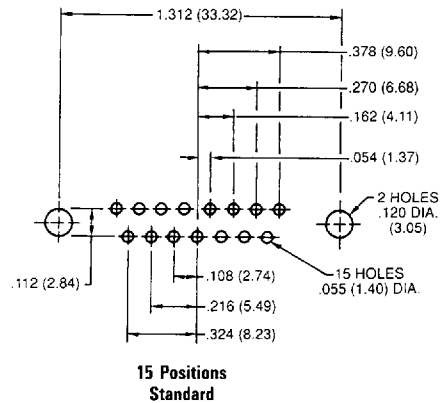
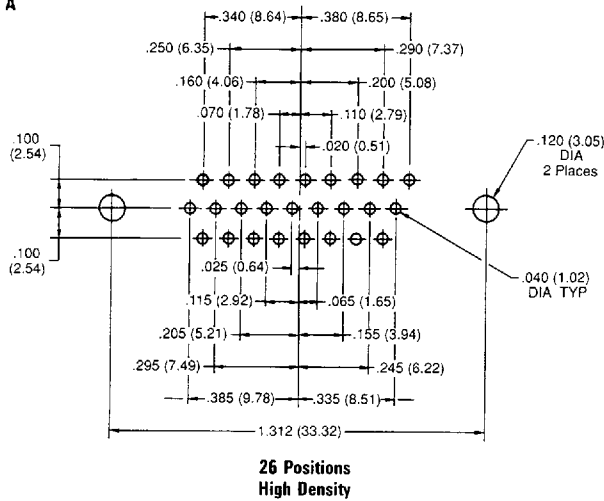
Shell Size E



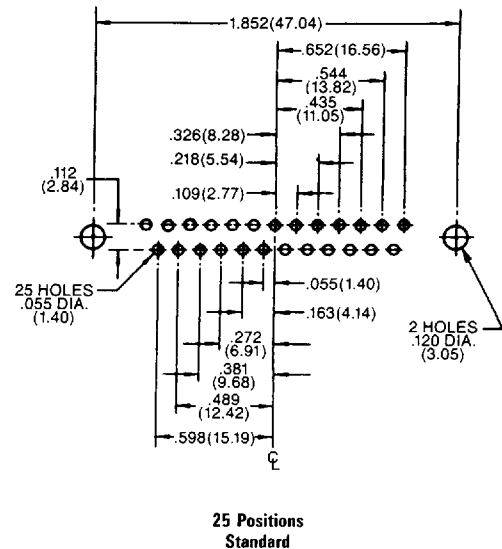
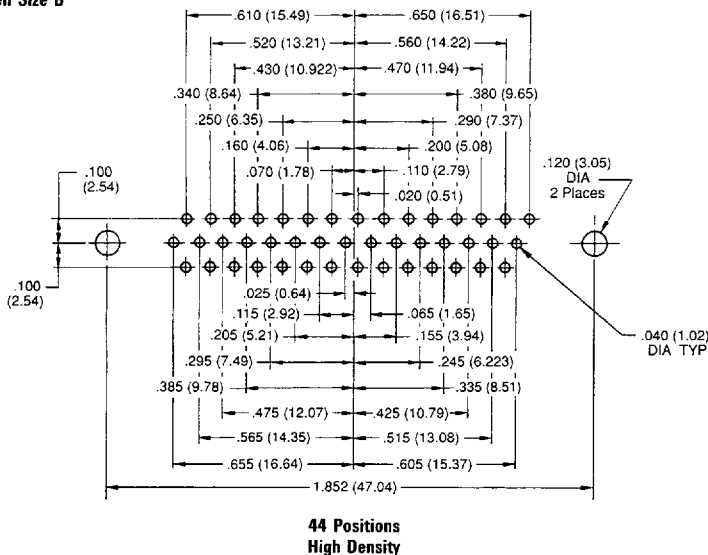
Note: Hole patterns shown are for plug connector assembly only. For receptacle connector assembly, hole pattern is a mirror image.



Shell Size A



Shell Size B

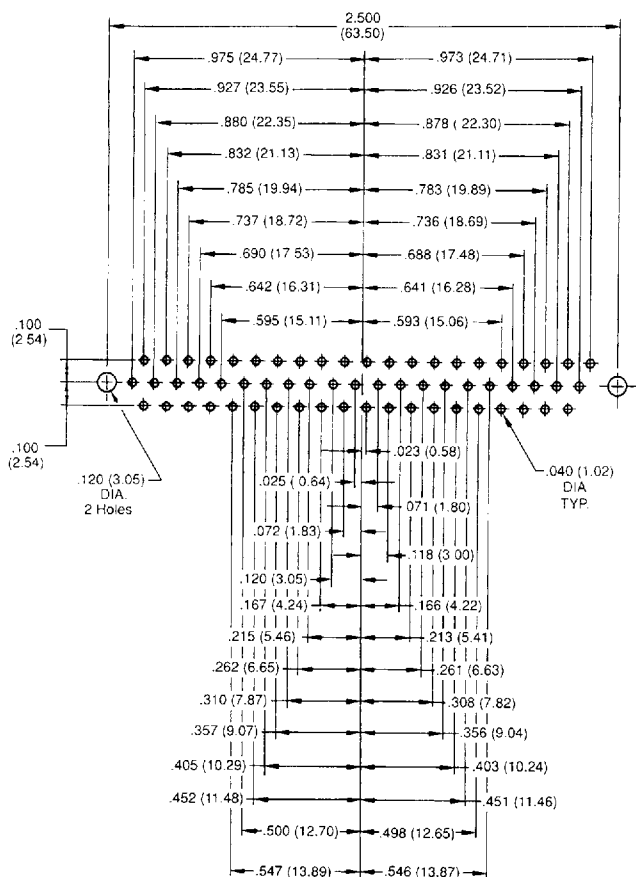


Right Angle and Straight D

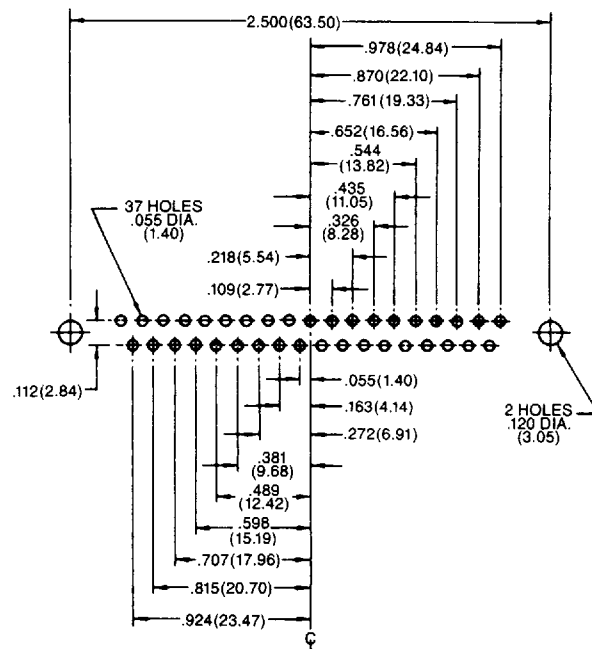
PC Board Mounting Specifications

Shell Size C

Note: Hole patterns shown are for plug connector assembly only. For receptacle connector assembly, hole pattern is a mirror image.

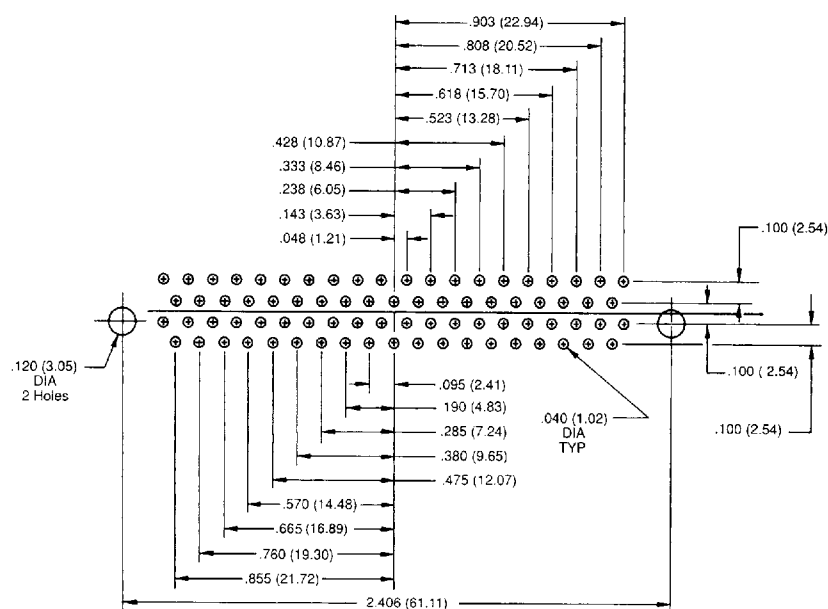


62 Positions
High Density

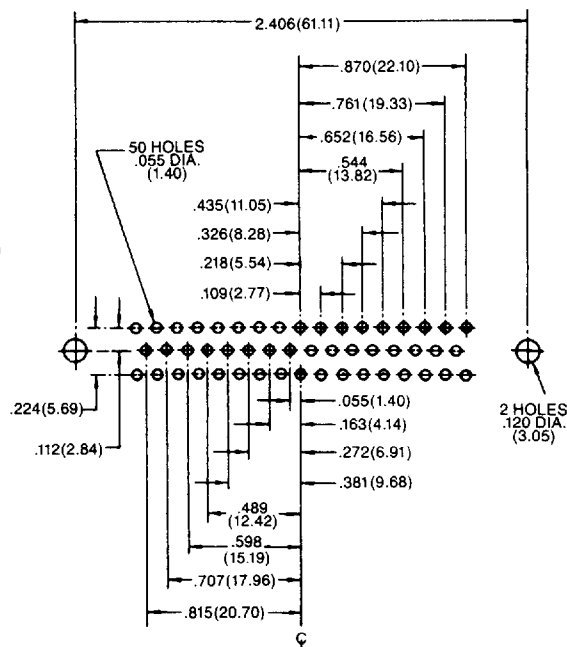


37 Positions
Standard

Shell Size D



78 Positions
High Density



50 Positions
Standard

ITT Cannon

For technical assistance, price or delivery information, call your local technical sales office or distributor.

Dimensions are shown in inches (millimeters).
Dimensions subject to change.

Industry Standard, Stamped Contacts Size 20

Performance and Material Specifications

MATERIALS AND FINISHES

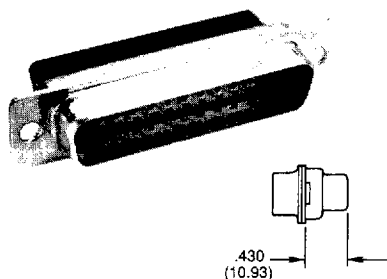
	Material	Finish
Shell	Steel	Tin or Yellow chromate over cadmium or zinc
Insulator	UL 94V-0 rated Thermoplastic, Glass-filled, color black	
Contacts:		
Machined	Copper alloy	Gold over nickel
Stamped and Formed Crimp Type	Copper alloy	Gold over nickel
Float Mount Hardware	Stainless Steel	Passivated
U.L. File No. E8572	CSA File No. 85691-2	

PERFORMANCE SPECIFICATIONS

Wire Size – See contact ordering information.
Current Rating – #20 contact, 5 Amps / #22 contact, 2 amps
Voltage Rating – 1000 VAC sea level
Temperature Rating – -55°C to +105°C
Contact Resistance – 15 mΩ

Dimensions/Part Numbers

Crimp Snap-In Contacts Supplied Separately



Standard Shell Dimensions – Page 73

Mounting Method Detail – Page 6

Connectors With Tin Shells (Commercial Standard)

Number of Positions (Shell Size)	Part Numbers	
	Pin Connector With Grounding Indents	Socket Connector
9(E)	DEA9P-K87-FO	DEA9S-A197-FO
15(A)	DAA15P-K87-FO	DAA15S-A197-FO
25(B)	DBA25P-K87-FO	DBA25S-A197-FO
37(C)	DCA37P-K87-FO	DCA37S-A197-FO
50(D)	DDA50P-K87-FO	DDA50S-A197-FO

Clinch Nut and Float Mounting Options Available:

Add: E = 4-40 Clinch Nut

Y = Float Mounting

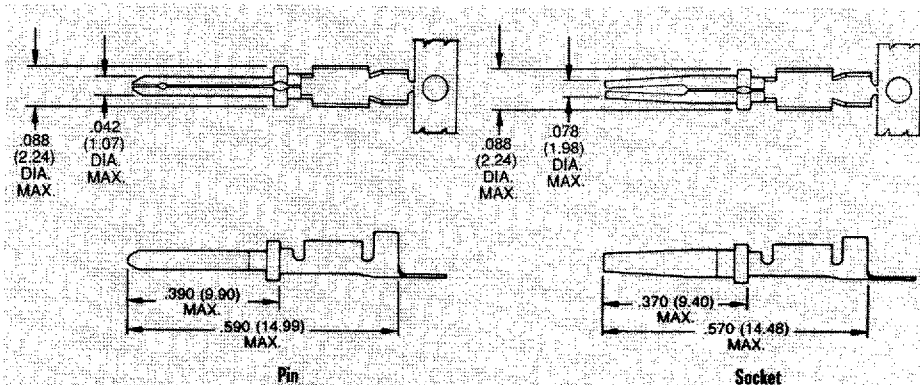
Example: DBAE25P-K87-FO

Connectors With Yellow Chromate

Number of Positions (Shell Size)	Part Numbers	
	Pin Connector	Socket Connector
9 (E)	DEA9P-FO	DEA9S-FO
15 (A)	DAA15P-FO	DAA15S-FO
25 (B)	DBA25P-FO	DBA25S-FO
37 (C)	DCA37P-FO	DCA37S-FO
50 (D)	DDA50P-FO	DDA50S-FO

Economy, Standard Contacts Size 20

Stamped contacts with insulation support are supplied on reels of 10,000 for use with semi-automatic strip and crimp machines, or loose for use with hand crimp tooling. Two sizes are available to accommodate wire ranges 20-28 AWG.



Semi-Automatic Tooling – Pages 223-225

Loose Contacts (Order Multiples of 100)

	Part Number			
	Pin Contact		Socket Contact	
	24-28 AWG	20-24 AWG	24-28 AWG	20-24 AWG
Gold over Nickel	—	—	—	—
30μ Gold over Nickel	030-2487-015	030-2487-014	030-2488-015	030-2488-014

Highlighted part numbers indicate standard product; usually available with shorter lead times.

Reeled Contacts — 10,000 Pieces per Reel

	Part Number			
	Pin Contact		Socket Contact	
	24-28 AWG	20-24 AWG	24-28 AWG	20-24 AWG
D110238-476	D110238-475	D110238-478	D110238-477	
D110238-472	D110238-471	D110238-474	D110238-473	

Tooling

Hand Tool		Extraction Tool	
Description	Part Number	Wire Size	Description
CCT-D*A-1	995-2000-000	20-24	CIET-D*A-20-24
		24-28	CIET-D*A-24-28

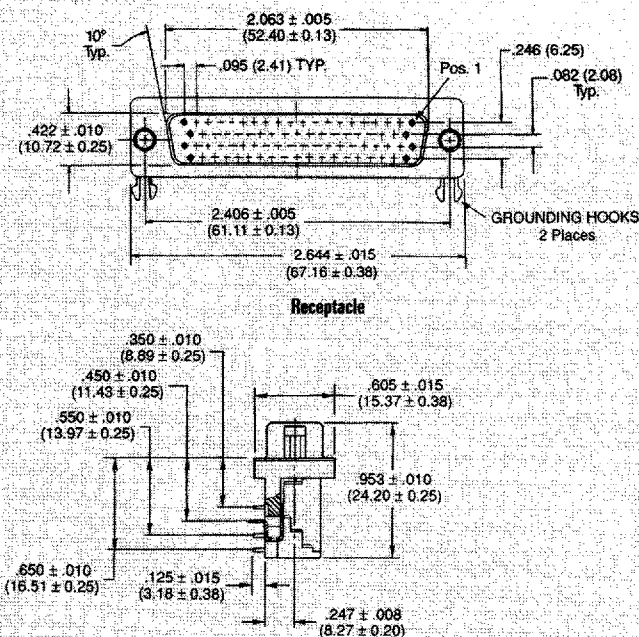
ITT Cannon

For technical assistance, price or delivery information, call your local technical sales office or distributor.

Dimensions are shown in inches (millimeters).
Dimensions subject to change.

High Density, Economy, .350" Footprint Contacts

Receptacle Assembly

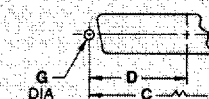
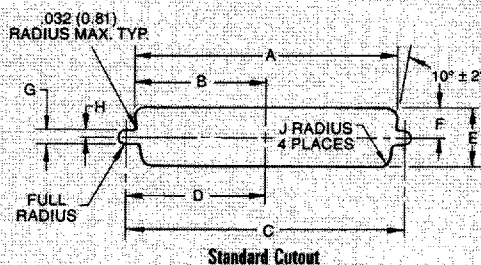
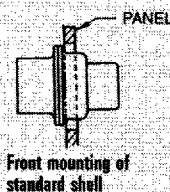
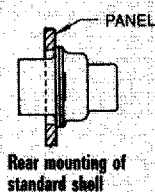


PCB Hole Pattern – Page 14-15

Performance Specifications – Page 2

No. of Contacts (Shell Size)	Gold Over Nickel		Receptacle	30μ Gold Over Nickel		A ±.010 (0.25)
	Screwlocks	Threaded Inserts		Screwlocks	Threaded Inserts	
78(D)	ZDDA78SDA	ZDDAL78SDA		ZDDA78SDA-30	ZDDAL78SDA-30	.240 (6.10)

Panel Cutouts



Connector Size	Mounting Method	A ±.005 (0.13)	B ±.005 (0.13)	C ±.005 (0.13)	D ±.005 (0.13)	E ±.005 (0.13)	F ±.005 (0.13)	G ±.002 (0.05)	H ±.002 (0.05)	J ±.002 (0.05)
A 15, * 26 Position	Front Mounting	1.202 (30.53)	.601 (15.27)	1.312 (33.32)	.656 (16.66)	.513 (13.03)	.257 (6.53)	.120 (3.05)	.060 (1.52)	.083 (2.11)
	Rear Mounting	1.134 (28.80)	.567 (14.40)	1.312 (33.32)	.656 (16.66)	.449 (11.40)	.225 (5.72)	.120 (3.05)	.060 (1.52)	.132 (3.35)
B 25, * 44 Position	Front Mounting	1.743 (44.27)	.872 (22.15)	1.852 (47.04)	.926 (23.52)	.513 (13.03)	.257 (6.53)	.120 (3.05)	.060 (1.52)	.083 (2.11)
	Rear Mounting	1.674 (42.52)	.837 (21.26)	1.852 (47.04)	.926 (23.52)	.449 (11.40)	.225 (5.72)	.120 (3.05)	.060 (1.52)	.132 (3.35)
C 37, * 62 Position	Front Mounting	2.391 (60.73)	1.196 (30.38)	2.500 (63.50)	1.250 (31.75)	.513 (13.03)	.257 (6.53)	.120 (3.05)	.060 (1.52)	.083 (2.11)
	Rear Mounting	2.326 (59.08)	1.163 (29.54)	2.500 (63.50)	1.250 (31.75)	.449 (11.40)	.225 (5.72)	.120 (3.05)	.060 (1.52)	.132 (3.35)
D * 78 Position	Front Mounting	2.297 (58.34)	1.149 (29.18)	2.406 (61.11)	1.203 (30.56)	.623 (15.82)	.312 (7.92)	.120 (3.05)	.060 (1.52)	.083 (2.11)
	Rear Mounting	2.218 (56.34)	1.109 (28.17)	2.406 (61.11)	1.203 (30.56)	.555 (14.10)	.278 (7.06)	.120 (3.05)	.060 (1.52)	.132 (3.35)
E 9, * 15 Position	Front Mounting	.874 (22.20)	.437 (11.10)	.984 (24.99)	.492 (12.50)	.513 (13.03)	.257 (6.53)	.120 (3.05)	.060 (1.52)	.083 (2.11)
	Rear Mounting	.806 (20.47)	.403 (10.24)	.984 (24.99)	.492 (12.50)	.449 (11.40)	.225 (5.72)	.120 (3.05)	.060 (1.52)	.132 (3.35)

* High density connectors.

Highlighted part numbers indicate standard product; usually available with shorter lead times.