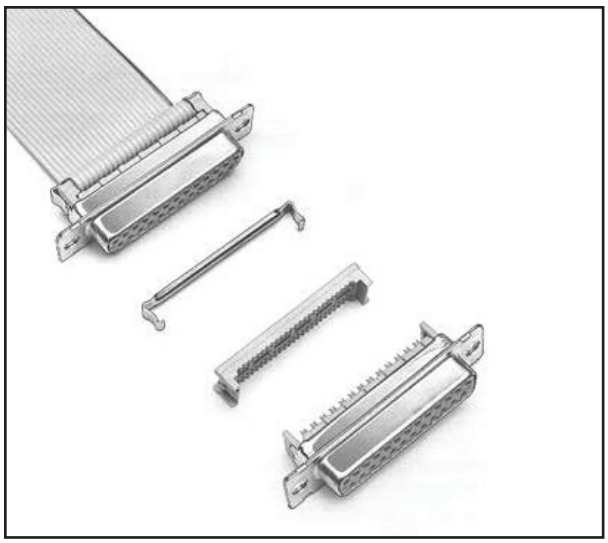
3M™ D Sub Socket Connector, 8300 Series

Socket Connector 8300 Series



- Available in either open or closed end cover
- Available in preassembled open cover
- Improved metal strain relief - hooks directly to metal shell
- Low profile
- Four mounting options
- Regulatory Information: Visit 3M.com/regs or contact your 3M representative to find the RoHS compliance status of the 3M part you are interested in.

Date Modified: July 29, 2019

Physical

Insulation:	
Material:	Glass Filled Polyester (PBT)
Flammability:	UL 94V-0
Color:	Gray
Contact Material:	Copper Alloy
Plating:	
Underplating:	50 µ" [1.27 µm] min Nickel
Wiping Area:	30 µ" [0.76 µm] Gold
Shell:	
Material:	Steel
Plating:	Tin
Strain Relief Material:	Stainless Steel .016 [0.40] Thick
Wire Accommodation:	26 and 28 AWG Solid or Stranded
Marking:	3M Logo and Contact Position Numbers

Electrical

Current Rating:	1 A
Insulation Resistance:	$> 1 \times 10^9 \Omega$ at 500 V_{DC}
Withstanding Voltage:	1000 V_{RMS} at Sea Level

Environmental

Temperature Rating:	-55°C to +105°C

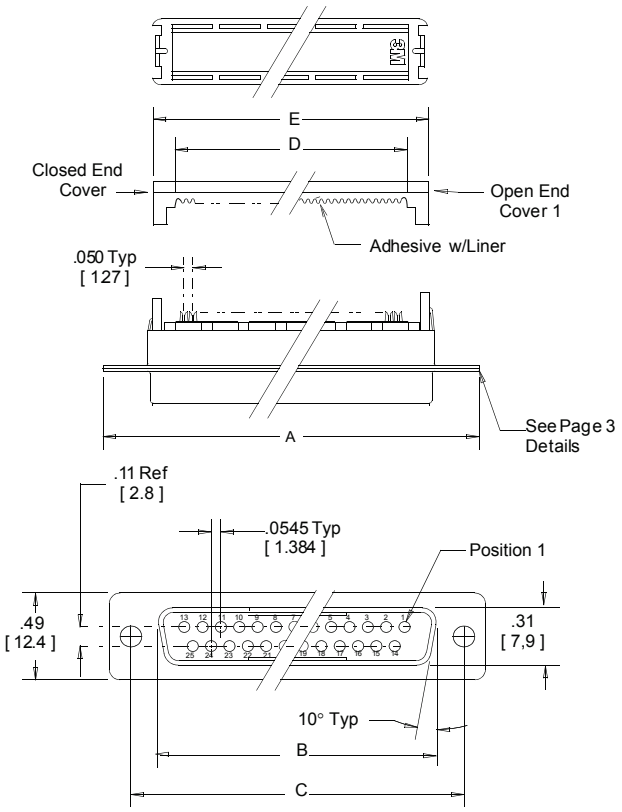
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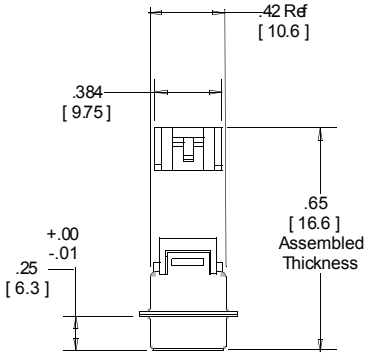
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For technical, sales or ordering information call
800-225-5373

3M™ D Sub Socket Connector, 8300 Series

Socket Connector 8300 Series

Contact Quantity	Dimensions						
	A	B	C	D	E	F ± .008	G
9	1.23 [31.2]	0.64 [16.33]	0.98 [25.0]	0.46 [11.75]	0.67 [16.92]	0.70 [17.9]	0.04 [1.0]
15	1.54 [39.2]	0.97 [24.67]	1.31 [33.3]	0.76 [19.4]	0.99 [25.2]	1.03 [26.1]	0.05 [1.2]
25	2.09 [53.0]	1.51 [38.37]	1.85 [47.0]	1.27 [32.2]	1.54 [39.0]	1.56 [39.7]	0.06 [1.4]
37	2.73 [69.4]	2.16 [54.82]	2.50 [63.5]	1.87 [47.6]	2.19 [55.56]	2.22 [56.3]	0.07 [1.8]





Inch [mm]

Tolerance Unless Noted			
	.0	.00	.000
Inch	±.1	±.01	±.005

[ ] Dimensions for Reference Only

Ordering Information

Connector
83XX - X00X

- Contact Quantity
- Cover Style:
  - 6= Open Cover
  - 7= Closed Cover
  - 8=Open Cover, W/O Adhesive, Preassembled
- Mounting Style:
  - 0 = Ø .120 [3.05] (E1 & C1 apply)
  - 3 = 4-40 UNC (E5 & C3 apply)
  - 9 = Rivet Crimp (E1 & C1 apply)

Strain Relief
(Order Separately)
3448 - 8DXXA

- 09 = 9 Position
- 15 = 15 Position
- 25 = 25 Position
- 37 = 37 Position

Assembly tools: 3M™ Standard Assembly Press 3640 (or equivalent), 3M™ Locator Plate, 3443-106N, 3M™ Platen 3442-9.

3M
Electronics Materials Solutions Division
Interconnect Solutions
http://www.3M.com/interconnect

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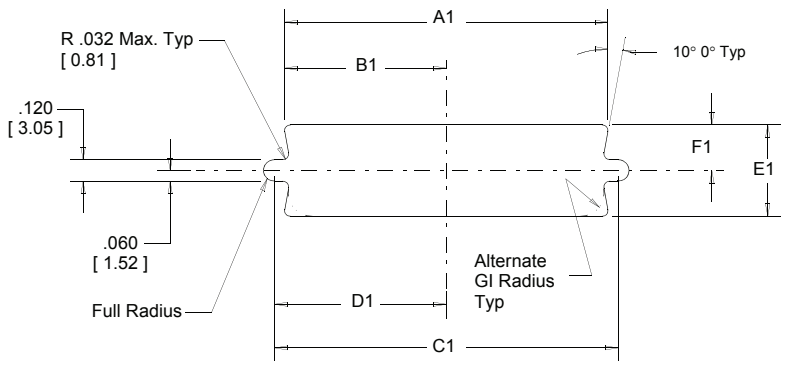
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Socket Connector 8300 Series

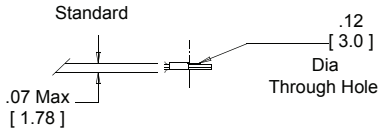
Mounting Method*	Contact Quantity	Dimensions						
		A1	B1	C1	D1	E1	F1	G1
Front	9	.87 [22.0]	.44 [11.2]	.98 [24.9]	.49 [12.5]	.51 [13.0]	.26 [6.6]	.12 [3.0]
	15	1.20 [30.5]	.60 [15.2]	1.31 [33.3]	.66 [16.8]			
	25	1.74 [44.2]	.87 [22.1]	1.85 [47.0]	.93 [23.6]			
	37	2.39 [60.7]	1.20 [30.5]	2.50 [63.5]	1.25 [31.8]			
Rear	9	0.81 [20.6]	.40 [10.2]	.98 [25.0]	.49 [12.5]	0.45 [11.4]	0.22 [5.6]	.12 [3.0]
	15	1.13 [28.7]	.57 [14.5]	1.31 [33.3]	.66 [16.8]			
	25	1.67 [42.4]	.84 [21.3]	1.85 [47.0]	.93 [23.6]			
	37	2.33 [59.2]	1.16 [29.5]	2.50 [63.5]	1.25 [31.8]			

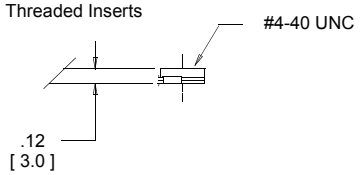
Front Mount-The connector is mounted in front of the panel.
Rear Mount-The connector is mounted behind the panel.

Panel Cutout

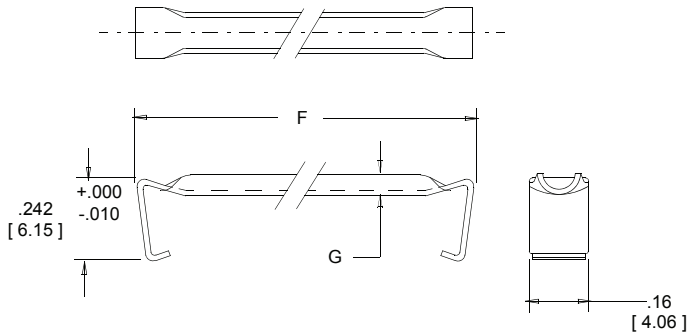


Mounting Styles





Strain Relief
(Order Separately)
Material: Stainless Steel



TS-0235-H
Sheet 3 of 3

Regulatory: For regulatory information about this product, visit 3M.com/regs or contact your 3M representative.

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3M Business Center
Electronics Materials Solutions Division
13011 McCallen Pass Bldg. C
Austin, TX 78753-5380
1-800-225-5373
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