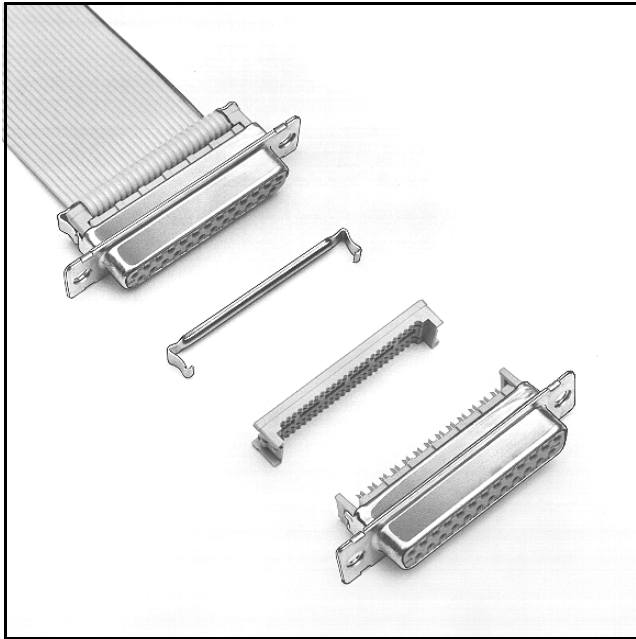


# 3M™ D Sub Socket

Socket Connector

8300 Series



- Available in either open or closed end cover
- Improved metal strain relief - hooks directly to metal shell
- Low profile
- Four mounting options
- RoHS\* compliant

Date Modified: August 11, 2005

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## Physical

### Insulation

Material: Glass Filled Polyester (PBT)

Flammability: UL 94V-0

Color: Gray

**Contact Material:** Copper Alloy

### Plating:

Underplating: 100  $\mu$ " [ 2.54  $\mu$ m ] Nickel - QQ-N-290, Class 2

Wiping Area: 30  $\mu$ " [ 0.76  $\mu$ m ] Gold - MIL-G-45204, Type II, Grade C

### 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

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## Electrical

**Current Rating:** 1 A

**Insulation Resistance:**  $> 1 \times 10^9 \Omega$  at 500 VDC

**Withstanding Voltage:** 1000 Vrms at Sea Level

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## Environmental

**Temperature Rating:** -55°C to +105°C

\*RoHS = Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment  
"RoHS compliant" means that the product or part does not contain any of the following substances in excess of the following maximum concentration values in any homogeneous material, unless the substance is in an application that is exempt under RoHS: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers; or (b) 0.01% (by weight) for cadmium. Unless otherwise stated by 3M in writing, this information represents 3M's knowledge and belief based upon information provided by third party suppliers to 3M.

UL File No.: E68080



Interconnect Solutions

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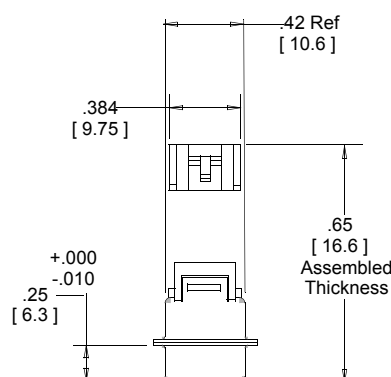
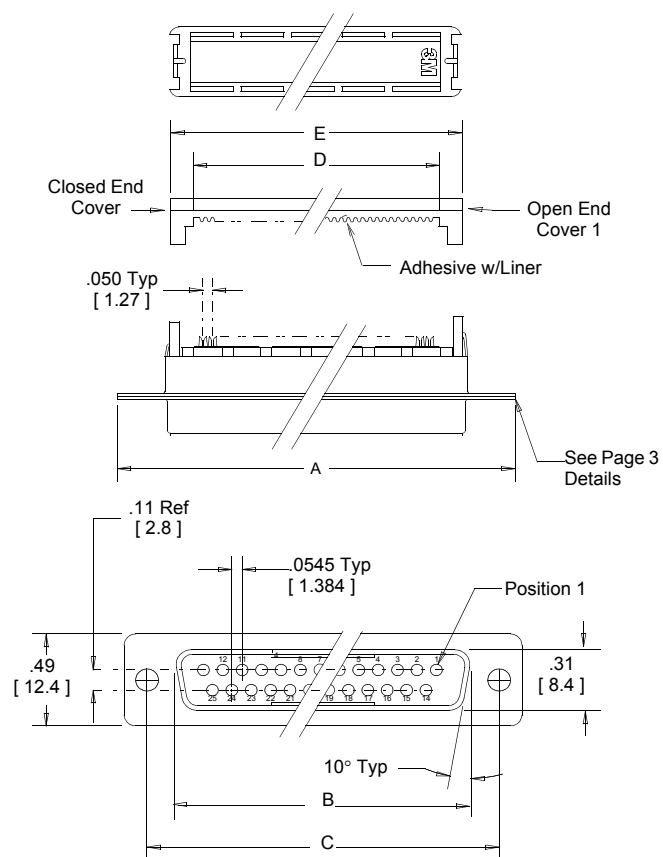
800-225-5373

# 3M™ D Sub Socket

Socket Connector

8300 Series

Contact Quantity	Dimensions					
	A	B	C	D	E	F ± .008
09	1.23 [ 31.2 ]	.67 [ 17.0 ]	.98 [ 24.9 ]	.46 [ 11.7 ]	.67 [ 17.0 ]	.70 [ 17.7 ]
15	1.56 [ 39.6 ]	1.00 [ 25.4 ]	1.31 [ 33.3 ]	.76 [ 19.3 ]	.99 [ 25.2 ]	1.03 [ 26.2 ]
25	2.10 [ 53.3 ]	1.54 [ 39.1 ]	1.85 [ 47.0 ]	1.27 [ 32.3 ]	1.54 [ 39.1 ]	1.57 [ 39.9 ]
37	2.74 [ 69.6 ]	2.18 [ 55.4 ]	2.50 [ 63.5 ]	1.87 [ 47.5 ]	2.19 [ 55.6 ]	2.22 [ 56.4 ]



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

Mounting Style:  
0 = Ø .120 [ 3.05 ]  
3 = 4-40 UNC  
4 = M3

### Strain Relief (Order Separately) 3448-8DXXA

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

Assembly tools: 3640 press (or equivalent), 3443-106N locator plate, 3442-9 platen.

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# 3M™ D Sub Socket

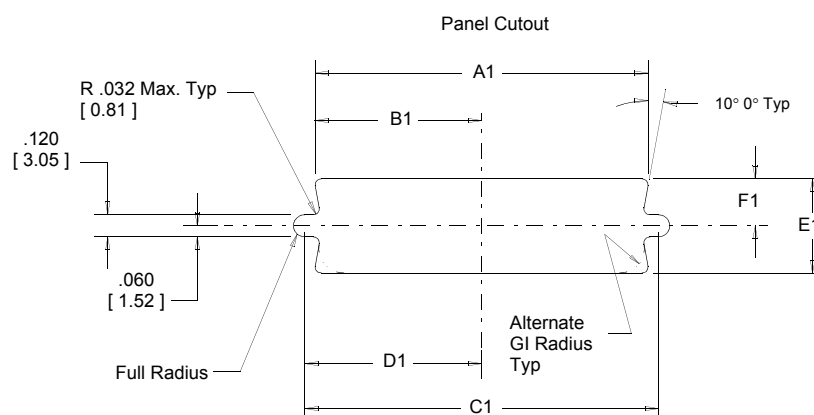
## Socket Connector

8300 Series

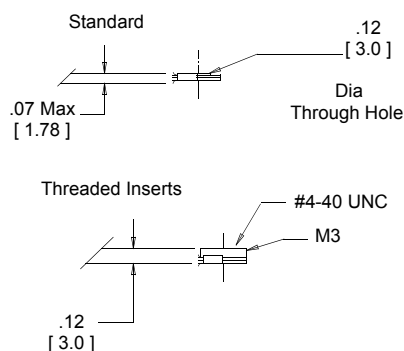
Mounting Method*	Contact Quantity	Dimensions						
		A1	B1	C1	D1	E1	F1	G1
Front	9	.87 [ 22.0 ]	.44 [ 11.2 ]	.98 [ 24.9 ]	.49 [ 12.5 ]	.51 [ 13.0 ]	.26 [ 6.6 ]	.12 [ 3.1 ]
	15	1.20 [ 30.5 ]	.60 [ 15.2 ]	1.31 [ 33.3 ]	.66 [ 16.8 ]			
	25	1.74 [ 44.2 ]	.87 [ 22.1 ]	1.85 [ 47.0 ]	.93 [ 23.6 ]			
	37	2.39 [ 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 [ 5.8 ]	.12 [ 3.1 ]
	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.

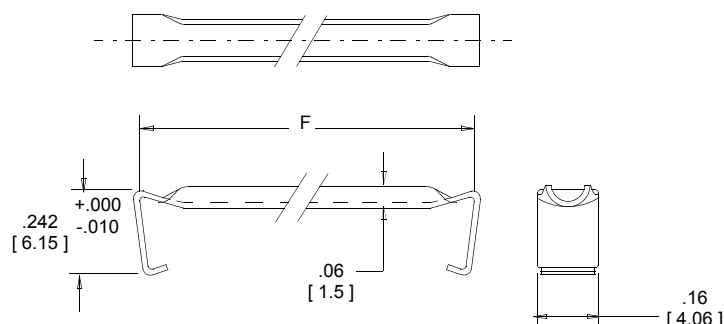
Rear Mount-The connector is mounted behind the panel.



### Mounting Styles



### Strain Relief (Order Separately or with Connector)



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