

# 3M™ D Sub Plug

8200 Series

[查询"8215-7000"供应商](#)



- Available in either preassembled or two piece covers
- Available in either open or closed end cover
- Available with dimples to aid in EMI/ESD protection
- Improved metal strain relief hooks directly to metal shell
- Low profile
- Four mounting options
- RoHS\* compliant

Date Modified: February 7, 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

## Electrical

**Current Rating:** 1 A

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

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

## Environmental

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

UL File No.: E68080

\*RoHS = Directive 2002/95/EC,  
Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment

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Interconnect Solutions  
<http://www.3M.com/interconnects/>

pdf.dzsc.com

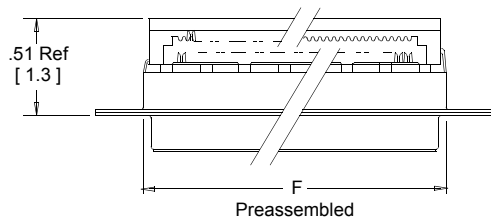


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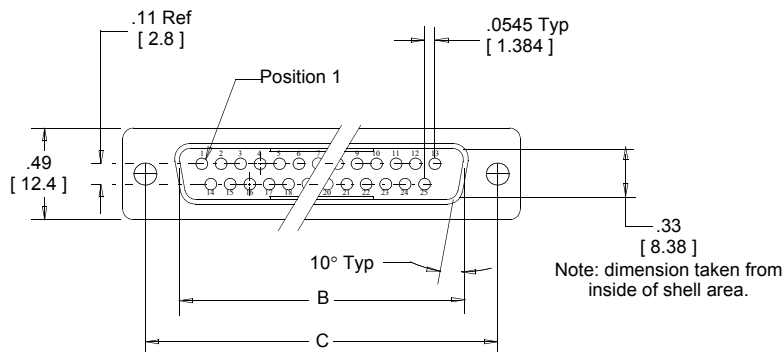
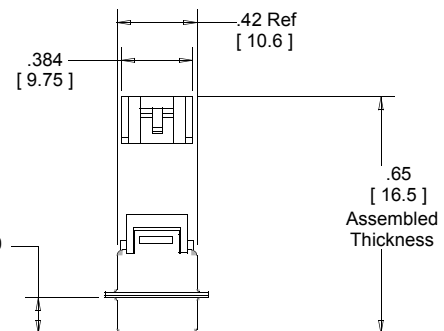
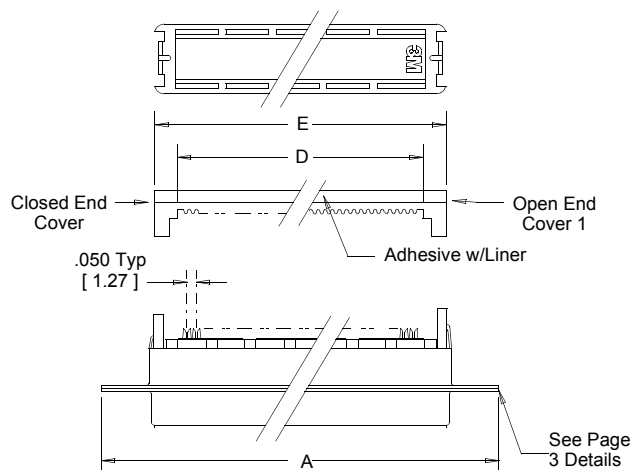
8200 Series

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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 ]



Note: Preassembled closed cover on Pin 1 side of connector.



Inch  
[mm]

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

[ ] Dimensions for Reference Only

## Ordering Information

### Connector 82XX-X00X

Contact Quantity

Cover Style:

- 6= Open Cover
- 7= Closed Cover
- 8= Open Cover, W/O Adhesive, Preassembled
- 9= Closed Cover, W/O Adhesive, Preassembled

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

Application tools: 3640 press (or equivalent), 3443-106N locator plate, 3442-39N platen (9 & 15 pos) or 3442-41N platen (25 & 37 pos).  
For pre-assembled style, use also the 3664-B cable stop and 3664-XX (XX=contact quantity) cable guide.

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Interconnect Solutions

<http://www.3M.com/interconnects/>

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# 3M™ D Sub Plug

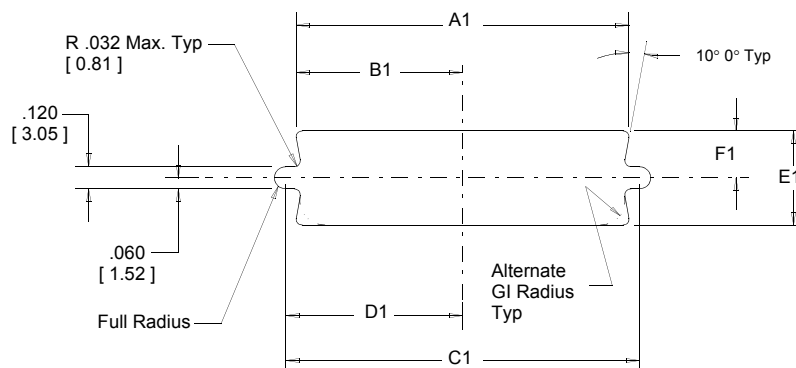
8200 Series

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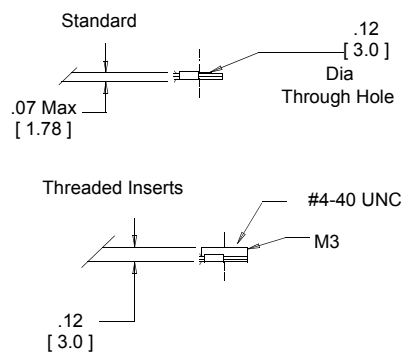
Mounting Method*	Contact Quantity	Dimensions						
		A1	B1	C1	D1	E1	F1	G1
Front	9	.87 [ 22.0 ]	.44 [ 11.2 ]	.98 [ 24.9 ]	.49 [ 12.5 ]	.51 [ 13.0 ]	.26 [ 6.6 ]	.12 [ 3.1 ]
	15	1.20 [ 30.5 ]	.60 [ 15.2 ]	1.31 [ 33.3 ]	.66 [ 16.8 ]			
	25	1.74 [ 44.2 ]	.87 [ 22.1 ]	1.85 [ 47.0 ]	.93 [ 23.6 ]			
	37	2.39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

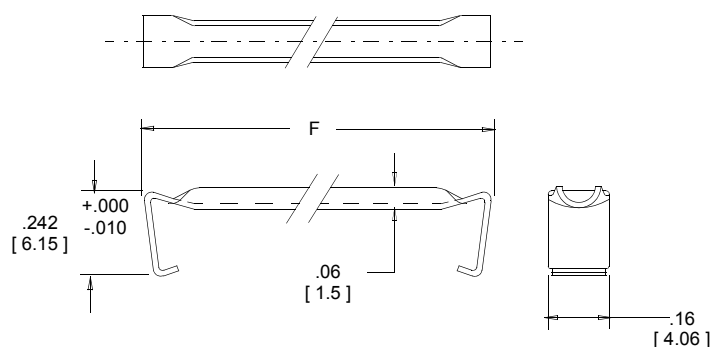
Panel Cutout



Mounting Styles



Strain Relief  
(Order Separately or with Connector)



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