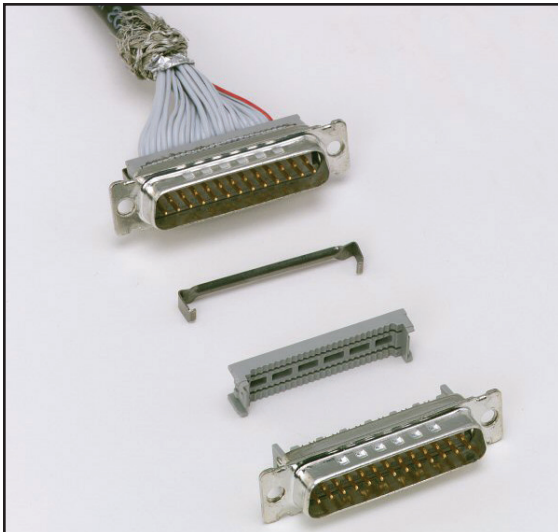


# 3M™ D Sub Plug

## Plug Connector

8200 Series



- 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. See the Regulatory Information Appendix (RIA) in the "RoHS Compliance" section of [www.3Mconnectors.com](http://www.3Mconnectors.com) for compliance information (RIA E1 and C1 apply).

Date Modified: September 17, 2013

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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

Wiping Area: 30  $\mu$ " [ 0.76  $\mu$ m ] 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<sub>DC</sub>

**Withstanding Voltage:** 1000 V<sub>RMS</sub> at Sea Level

## Environmental

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

UL File No.: E68080



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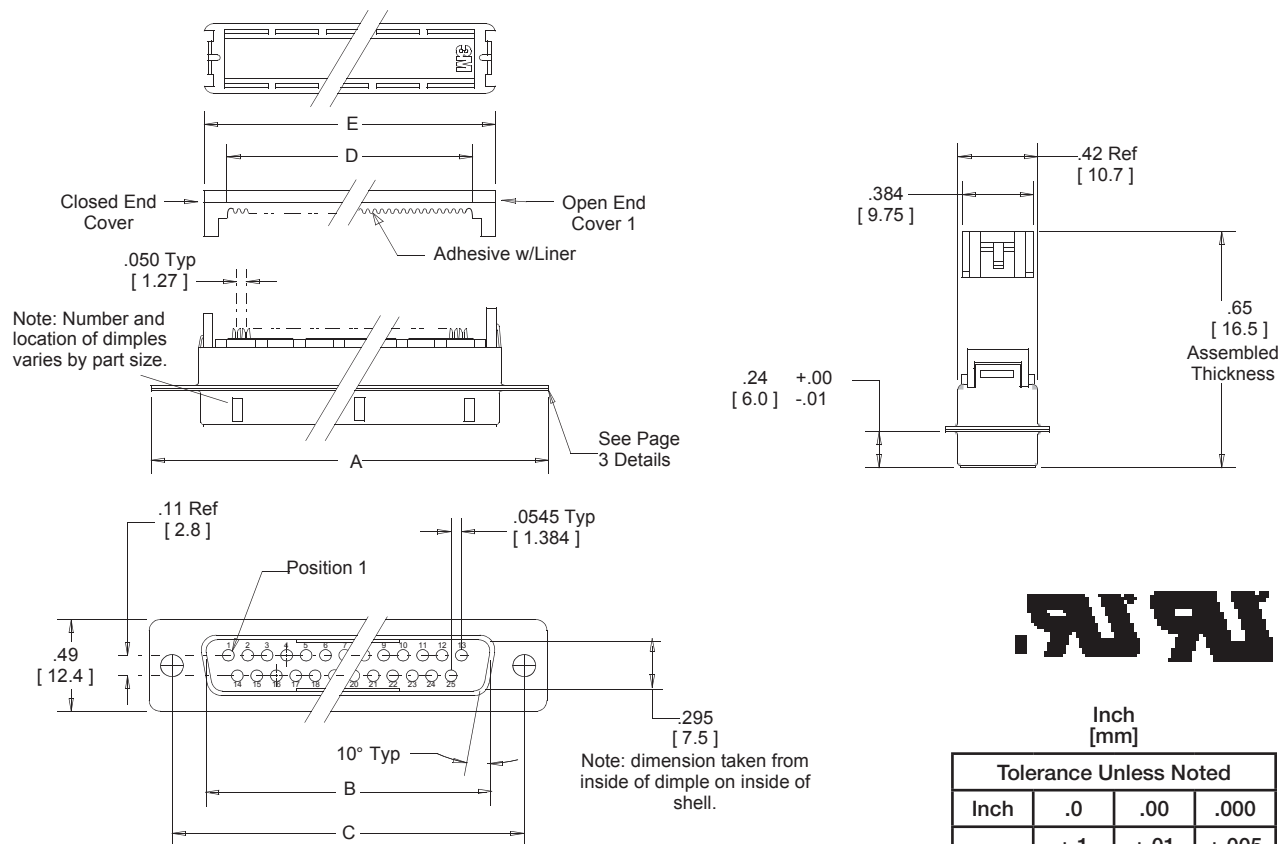
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| Contact Quantity | Dimensions  |              |             |              |              |             |            |
|------------------|-------------|--------------|-------------|--------------|--------------|-------------|------------|
|                  | A           | B            | C           | D            | E            | F ± .008    | G          |
| 9                | 1.22 [30.9] | 0.67 [16.9]  | 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] | 1.00 [25.4]  | 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] | 1.54 [39.1]  | 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] | 2.18 [55.43] | 2.50 [63.5] | 1.87 [47.6]  | 2.19 [55.56] | 2.22 [56.3] | 0.07 [1.8] |



| Tolerance Unless Noted |     |      |       |
|------------------------|-----|------|-------|
| Inch                   | .0  | .00  | .000  |
|                        | ±.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, WO 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™ Press, 3640 (or equivalent), 3M™ Locator Plate, 3443-106N, 3M™ Platen, 3442-39N for (9 & 15 pos.) or 3442-41N for (25 & 37 pos.)

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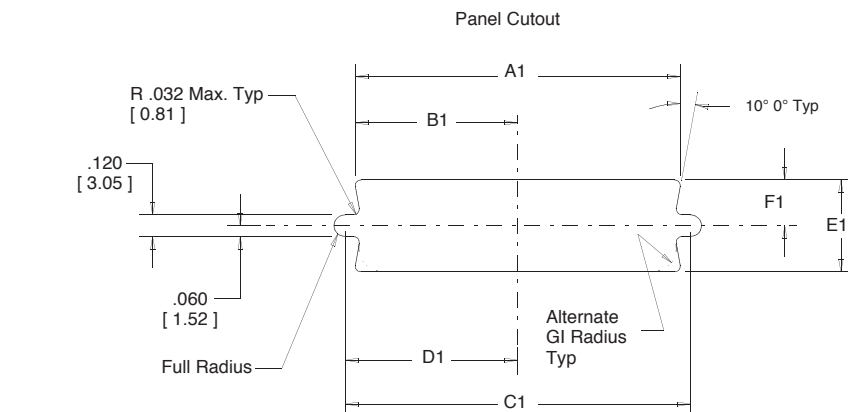
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# 3M™ D Sub Plug

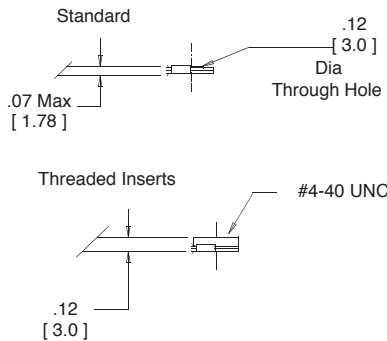
Plug Connector

8200 Series

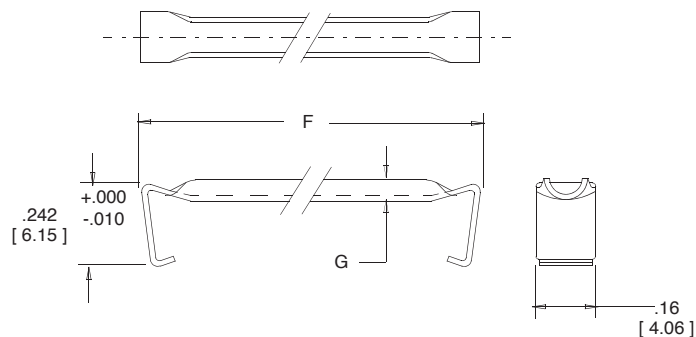
| Mounting Method*                                                                                                     | Contact Quantity | Dimensions       |                  |                  |                  |                |               |              |
|---------------------------------------------------------------------------------------------------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



## Mounting Styles



## Strain Relief (Order Separately) Material: Stainless Steel



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