

# D Sub

## Plug Connector

898 Series



- Preamsembled, one-piece body can reduce assembly time to one-third
- Available in 9, 15, 25 and 37 positions
- Accepts .050" flat ribbon and discrete wire, 26 and 28 AWG, solid and stranded cable
- Choice of preassembled open or closed covers
- Friction dimples give EMI/ESD protection
- Special locator plate reduces the risk of misalignment during assembly
- Fiber-free PVC blister packages of 25 speed loading of automated assembly equipment
- Threaded inserts for built-in convenience
- Cable strain relief, hooking directly to the metal shell, available

Date Modified: September 23, 1999

TS-0483-08  
Sheet 1 of 3

100

## Physical

### Insulation

Material: Glass Filled Polyester (PBT)  
Flammability: UL 94V-0  
Color: Gray

### Contact

Material: Phosphor Bronze  
Plating  
Underplate: 50  $\mu$ " (1.27  $\mu$ m) Nickel — QQ-N-290, Class 2  
Wiping Area: 15  $\mu$ " (0.38  $\mu$ 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 & 28 AWG Solid or Stranded

**Marking:** 3M Logo & 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:**  $-55^\circ$  to  $+105^\circ$

UL File No.: E68080

### 3M Interconnect Solutions Division

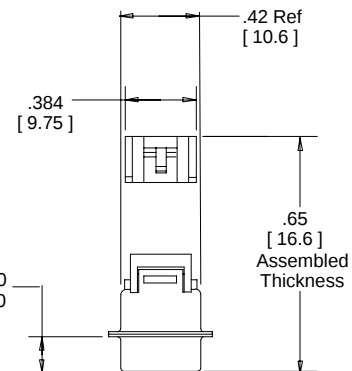
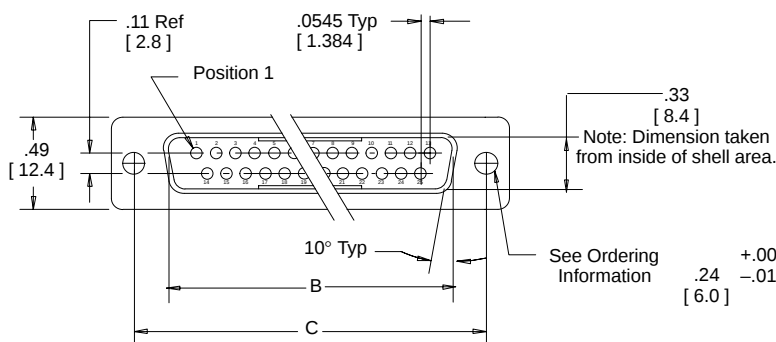
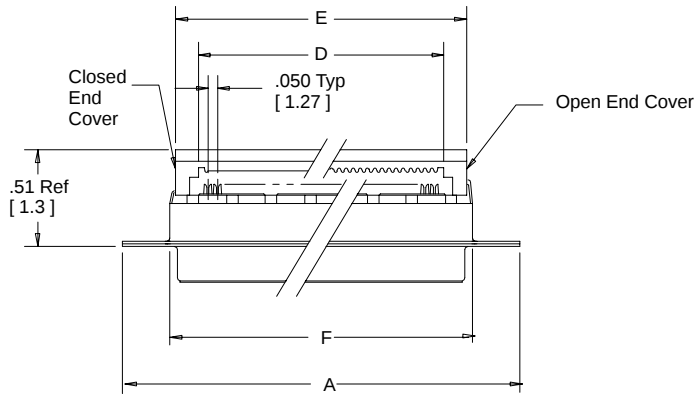
6801 River Place Blvd.  
Austin, TX 78726-9000

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

# D Sub Plug Connector

898 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 898XX-X00X

Contact  
Quantity

Cover Style:  
8 = Open Cover  
9 = Closed Cover  
Closed End along  
Pin #1 Row

Mounting Style:  
0 = Ø .120 Hole  
3 = 4-40 UNC

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

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

TS-0483-08  
Sheet 2 of 3

## 3M Interconnect Solutions Division

6801 River Place Blvd.  
Austin, TX 78726-9000

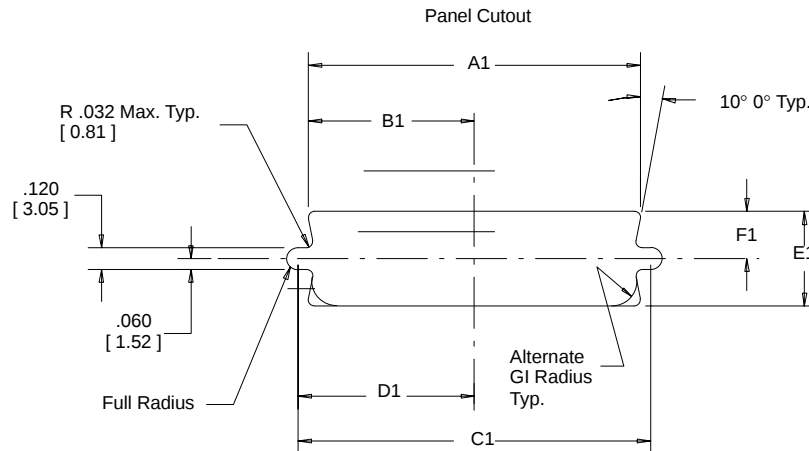
For technical, sales or ordering information call  
**800-225-5373**

# D Sub Plug Connector

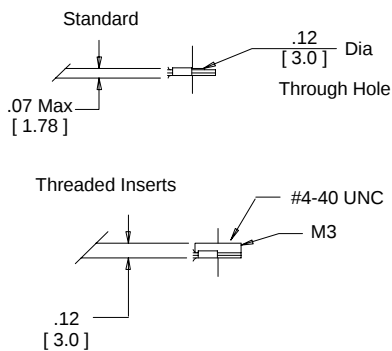
898 Series

| Mounting Method* | Contact Quantity | Dimensions       |                  |                  |                  |                 |                |                |
|------------------|------------------|------------------|------------------|------------------|------------------|-----------------|----------------|----------------|
|                  |                  | A1               | B1               | C1               | D1               | E1              | F1             | G1             |
| Front            | 9                | .87<br>[ 22.0 ]  | .44<br>[ 11.2 ]  | .98<br>[ 24.9 ]  | .49<br>[ 12.5 ]  | .51<br>[ 13.0 ] | .26<br>[ 6.6 ] | .12<br>[ 3.1 ] |
|                  | 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                | .81<br>[ 20.6 ]  | .40<br>[ 10.2 ]  | .98<br>[ 25.0 ]  | .49<br>[ 12.5 ]  | .45<br>[ 11.4 ] | .22<br>[ 5.8 ] | .12<br>[ 3.1 ] |
|                  | 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>[ 31.6 ] |                 |                |                |

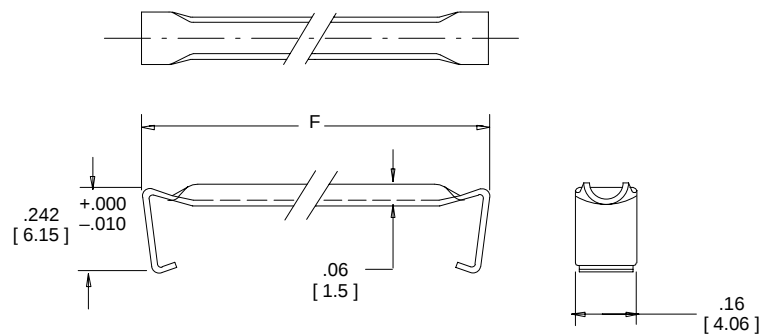
\* Front Mount—The connector is mounted in front of the panel.  
Rear Mount—The connector is mounted behind the panel.



Mounting Styles



Strain Relief  
(Order Separately or with Connector)



TS-0483-08  
Sheet 3 of 3

## 3M Interconnect Solutions Division

6801 River Place Blvd.  
Austin, TX 78726-9000

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