

# D Sub

Plug Connector, 50 Position

8250 Series



- IDC compatible
- Dimples aid in EMI/ESD protection
- Lower insertion/withdrawal force than other 50 position products
- Available in either open or closed end cover
- Mounting options include #4-40 UNC or metric M2.5 threaded inserts
- Conforms to Intelligent Peripheral Interface (IPI) standard

Date Modified: November 29, 1999

TS-0035-15  
Sheet 1 of 3

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## Physical

### Insulation

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

### Contact

Material: Copper Alloy  
Plating  
Underplate: 100  $\mu$ " (1.27  $\mu$ 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 .020 (0.50) 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

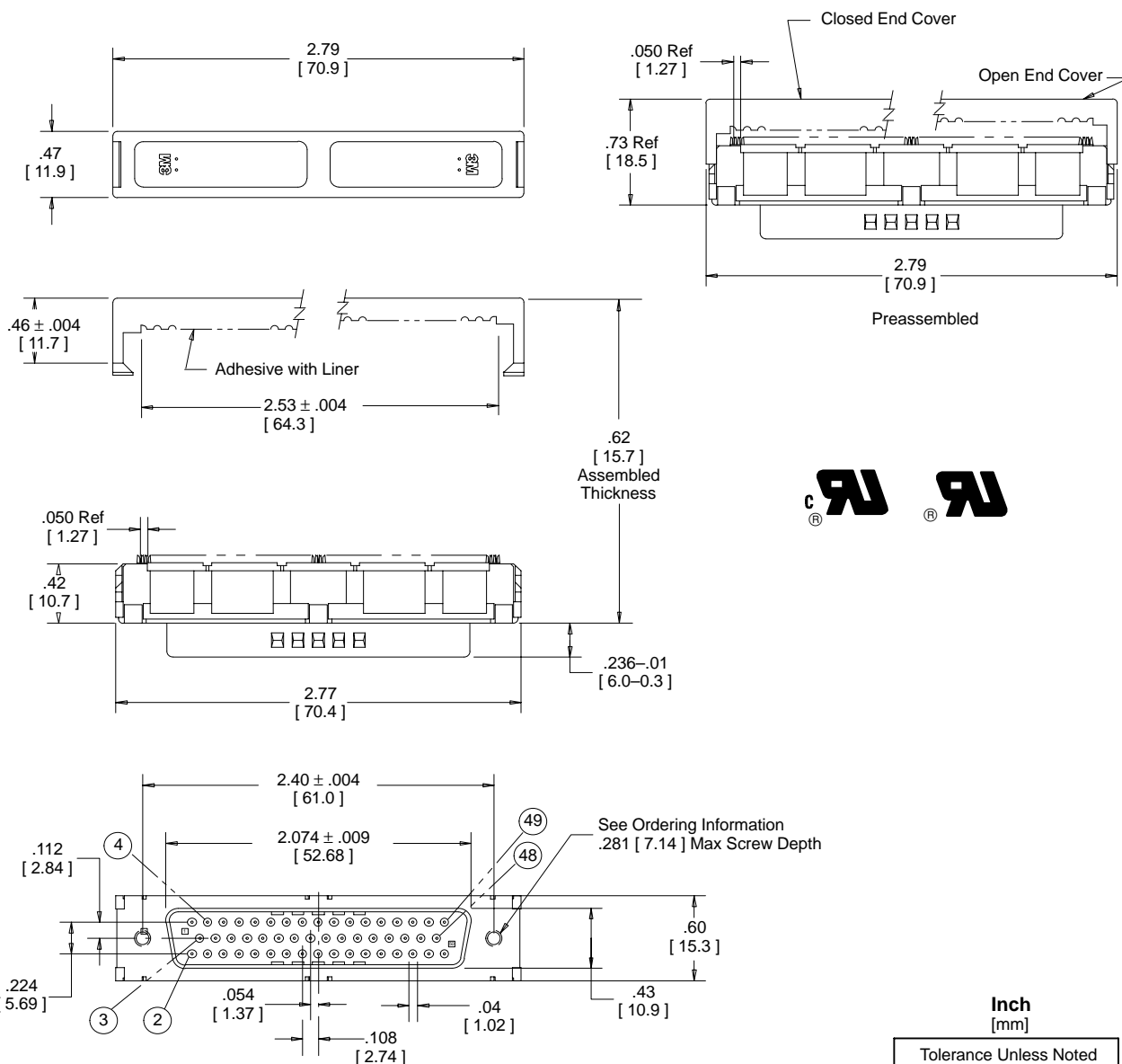
## Environmental

**Temperature Rating:**  $-55^\circ$  to  $+105^\circ$



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## Notes:

1. (xx) Circled Numbers represent cable conductor number.
2. Preassembled closed cover is on Pin #1 side.

Inch  
[mm]

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

[ ] Dimensions for  
Reference only

## Ordering Information

**Connector  
8250-X00X**

Cover Style:  
6 = Open Cover  
7 = Closed Cover

Mounting Style:  
5 = 4-40 UNC  
6 = M2.5

**Strain Relief  
(Order Separately)  
3448-8D50**

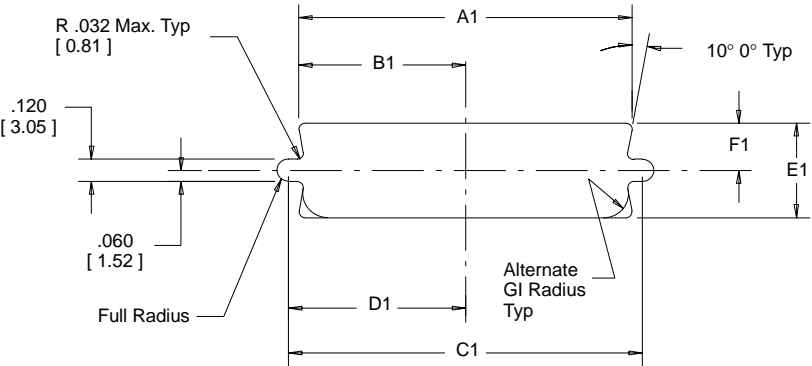
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Mounting Method*	Contact Quantity	Dimensions						
		A1	B1	C1	D1	E1	F1	G1
Rear	50	2.218 [ 56.34 ]	1.109 [ 28.17 ]	2.40 [ 61.1 ]	1.20 [ 30.55 ]	0.525 [ 13.34 ]	0.26 [ 6.60 ]	0.120 [ 3.05 ]

\* Rear Mount — The connector is mounted behind the panel.



Strain Relief  
(Order Separately or with Connector)

