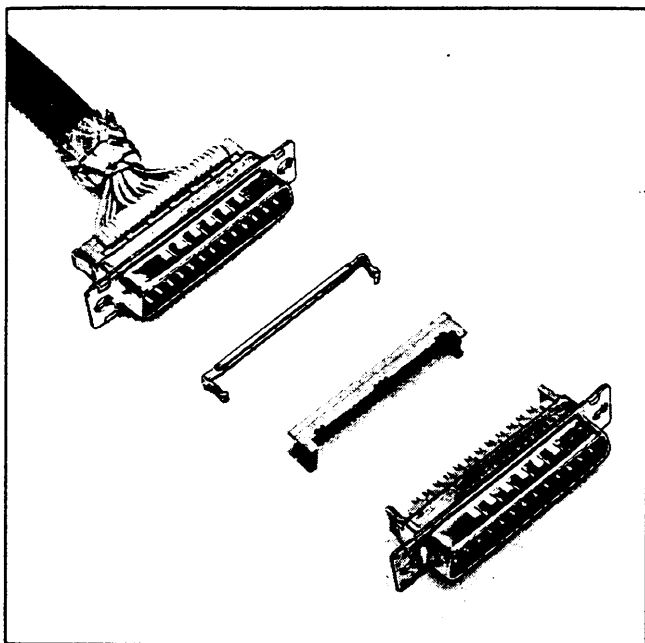# D Sub
Plug Connector

8200 Series

- Available in either pre-assembled 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

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Sheet 1 of 3

Physical

Insulation	
Material:	Glass Filled Polyester (PBT)
Flammability:	UL 94V-0
Color:	Gray
Contact	
Material:	Beryllium Copper
Plating	
Underplate:	50 μ″ (1.27 μm) Nickel — QQ-N-290, Class 2
Wiping Area:	30 μ″ (0.76 μm) Gold — MIL-G-45204, Type II, Grade C
Shell	
Material:	Steel
Plating:	197-394 μ″ (5-10 μm) 90/10 Tin Lead Over Copper
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 × 10^9 Ω at 500 VDC
Withstanding Voltage:	1000 Vrms at Sea Level

Environmental

Temperature Rating:	−55° to +105°

UL File No.: E68080
CSA File No.: LR 40971

3M Electronic Products Division
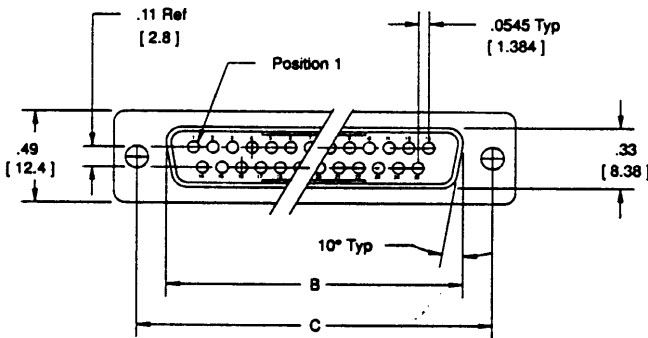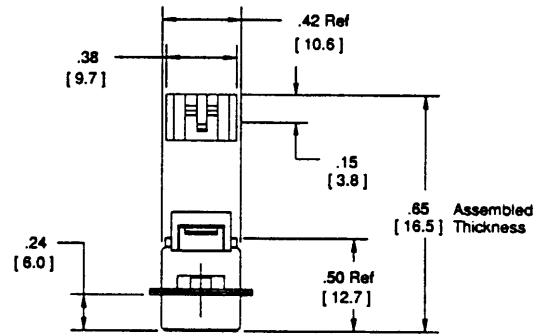6801 River Place Blvd.
Austin, TX 78726-9000

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800-225-5373

D Sub
Plug Connector

Contact Quantity	Dim A	Dim B	Dim C	Dim D	Dim E	Dim F
09	1.21 [30.7]	.67 [17.0]	.98 [25.0]	.66 [16.7]	.49 [12.5]	.70 [17.8]
15	1.54 [39.1]	1.00 [25.4]	1.31 [33.3]	.99 [25.2]	.79 [20.1]	1.03 [26.1]
25	2.09 [53.1]	1.54 [39.1]	1.85 [47.0]	1.53 [39.0]	1.29 [32.8]	1.57 [39.8]
37	2.73 [69.3]	2.18 [55.4]	2.50 [63.5]	2.18 [55.4]	1.89 [48.0]	2.22 [58.3]

.51 Ref [1.3]
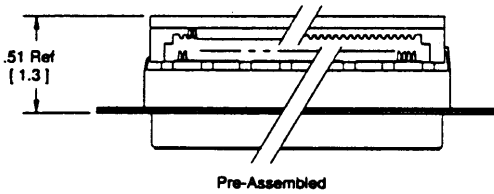
Pre-Assembled

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

Closed End Cover

Open End Cover 1

Adhesive W/Liner

.050 Typ [1.27]

See Page 3 Details

.42 Ref [10.6]

.38 [9.7]

.15 [3.8]

.65 [16.5] Assembled Thickness

.24 [6.0]

.50 Ref [12.7]

.11 Ref [2.8]

Position 1

.0545 Typ [1.384]

.49 [12.4]

.33 [8.38]

10° Typ
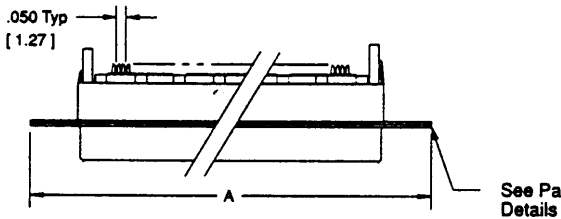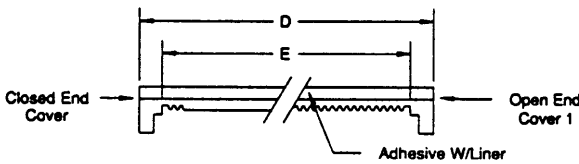
Inch [mm]

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

[ ] Dimensions for Reference Only

Ordering Information

Connector
82XX-X0XX

Strain Relief
3448-8DXXA

Contact Quantity

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

Strain Relief Option:
0 = Tin Lead, Dimples, W/O Strain Relief
6 = Tin Lead, Dimples, with Strain Relief
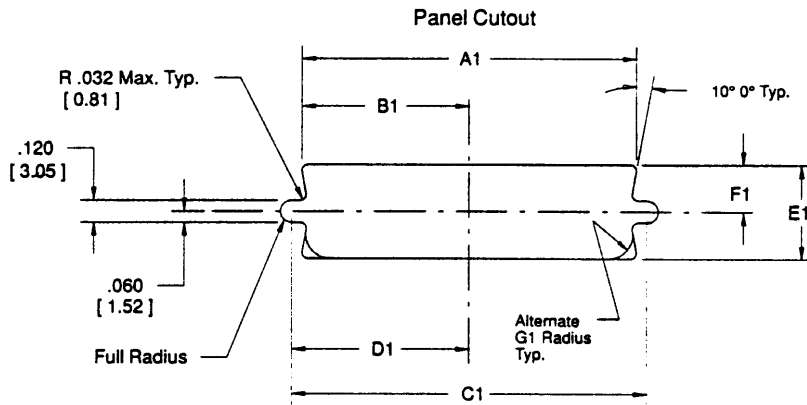
Mounting Style:
0 = Standard
3 = English
4 = Metric

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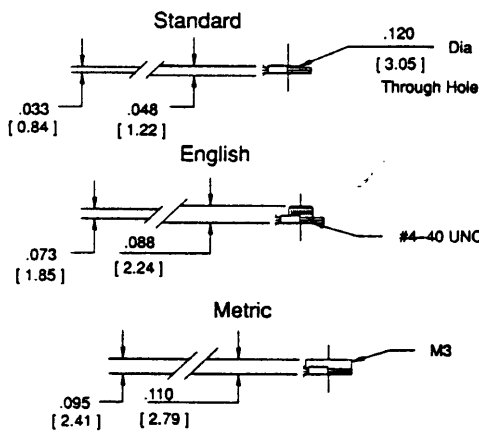15 = 15 Position
25 = 25 Position
37 = 37 Position

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D Sub
Plug Connector

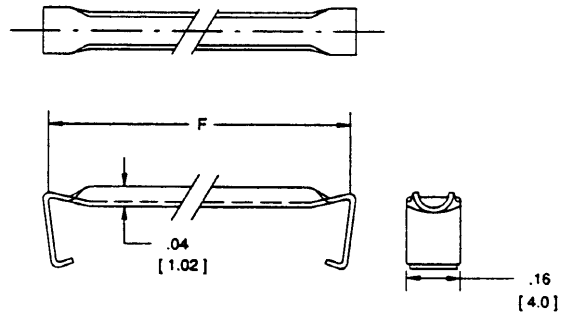| Mounting Method	Contact Quantity	Dim A1	Dim B1	Dim C1	Dim D1	Dim E1	Dim F1	Dim G1
Front	9	.874 [22.20]	.437 [11.10]	.984 [24.99]	.492 [12.50]	.513 [13.03]	.257 [6.53]	.120 [3.05]
	15	1.202 [30.53]	.601 [15.27]	1.312 [33.32]	.656 [16.66]	.513 [13.03]		
	25	1.744 [44.30]	.872 [22.15]	1.852 [47.04]	.926 [23.52]	.513 [13.03]		
	37	2.392 [60.76]	1.196 [30.38]	2.500 [63.50]	1.250 [31.75]	.513 [13.03]		
Rear	9	.806 [20.47]	.403 [10.24]	.984 [24.99]	.492 [12.50]	.449 [11.40]	.225 [5.70]	.120 [3.05]
	15	1.134 [28.80]	.567 [14.40]	1.312 [33.32]	.656 [16.66]	.449 [11.40]		
	25	1.674 [42.52]	.837 [21.26]	1.852 [47.04]	.926 [23.52]	.449 [11.40]		
	37	2.326 [59.08]	1.163 [29.54]	2.500 [63.50]	1.250 [31.75]	.449 [11.40]		

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

Panel Cutout

Mounting Styles

Standard

.120 [3.05] Dia Through Hole

.033 [0.84]   .048 [1.22]

English

.073 [1.85]   .088 [2.24]   #4-40 UNC

Metric

.095 [2.41]   .110 [2.79]   M3

Strain Relief
(Order Separately or with Connector)

F

.04 [1.02]

.16 [4.0]

R .032 Max. Typ. [0.81]
.120 [3.05]
.060 [1.52]
Full Radius
A1
B1
10° 0° Typ.
F1
E1
D1
Alternate G1 Radius Typ.
C1

Sheet 3 of 3

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