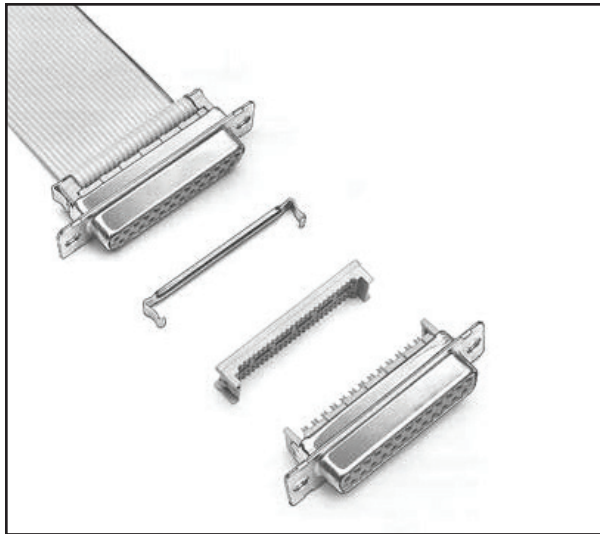


3M™ D Sub Socket Connector, 8300 Series

Socket Connector

8300 Series



- Available in either open or closed end cover
- Available in preassembled open cover
- Improved metal strain relief - hooks directly to metal shell
- Low profile
- Four mounting options
- Regulatory Information: Visit 3M.com/regs or contact your 3M representative to find the RoHS compliance status of the 3M part you are interested in.

Date Modified: July 29, 2019

TS-0235-H
Sheet 1 of 3

Physical

Insulation:

Material: Glass Filled Polyester (PBT)

Flammability: UL 94V-0

Color: Gray

Contact Material: Copper Alloy

Plating:

Underplating: 50 μ " [1.27 μ m] min Nickel

Wiping Area: 30 μ " [0.76 μ 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_{DC}

Withstanding Voltage: 1000 V_{RMS} at Sea Level

Environmental

Temperature Rating: -55°C to +105°C

UL File No.: E68080



Electronics Materials Solutions Division
Interconnect Solutions
<http://www.3M.com/interconnect>

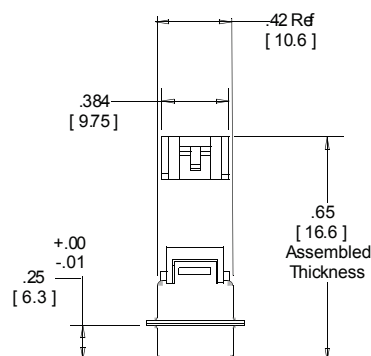
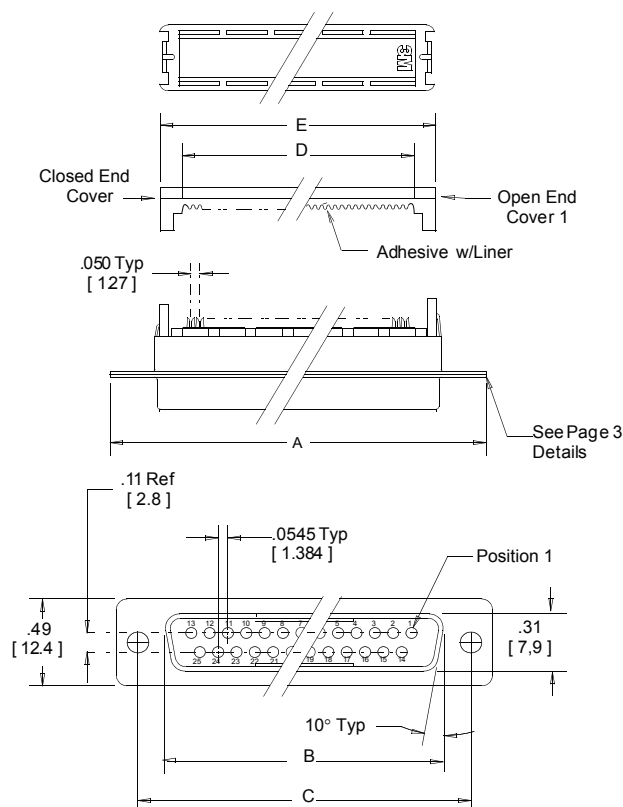
3M is a trademark of 3M Company.
For technical, sales or ordering information call
800-225-5373

3M™ D Sub Socket Connector, 8300 Series

Socket Connector

8300 Series

Contact Quantity	Dimensions						
	A	B	C	D	E	F ± .008	G
9	1.23 [31.2]	0.64 [16.33]	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]	0.97 [24.67]	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]	1.51 [38.37]	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]	2.16 [54.82]	2.50 [63.5]	1.87 [47.6]	2.19 [55.56]	2.22 [56.3]	0.07 [1.8]



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

[] Dimensions for Reference Only

Ordering Information

Connector 83XX - X00X

Contact
Quantity

Cover Style:
6= Open Cover
7= Closed Cover
8=Open Cover,
W/O 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™ Standard Assembly Press 3640 (or equivalent), 3M™ Locator Plate, 3443-106N, 3M™ Platen 3442-9.

TS-0235-H
Sheet 2 of 3



Electronics Materials Solutions Division
Interconnect Solutions

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

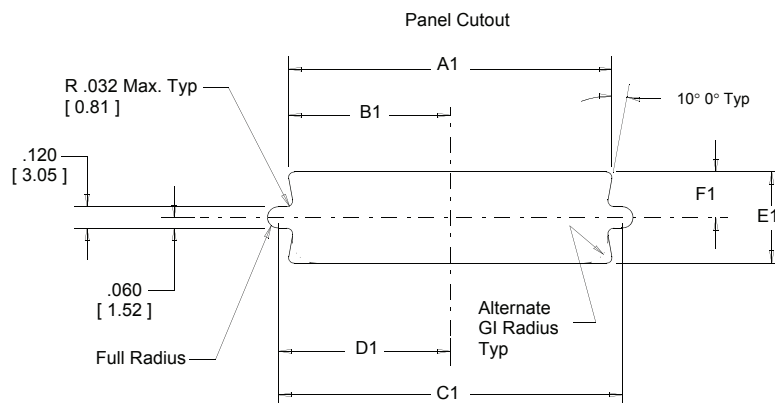
3M is a trademark of 3M Company.
For technical, sales or ordering information call
800-225-5373

3M™ D Sub Socket Connector, 8300 Series

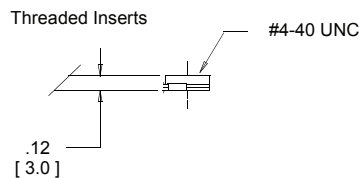
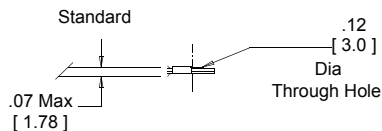
Socket Connector

8300 Series

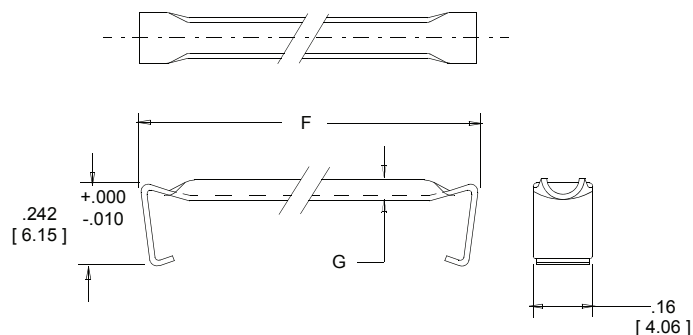
Mounting Method*	Contact Quantity	Dimensions						
		A1	B1	C1	D1	E1	F1	G1
Front	9	.87 [22.0]	.44 [11.2]	.98 [24.9]	.49 [12.5]	.51 [13.0]	.26 [6.6]	.12 [3.0]
	15	1.20 [30.5]	.60 [15.2]	1.31 [33.3]	.66 [16.8]			
	25	1.74 [44.2]	.87 [22.1]	1.85 [47.0]	.93 [23.6]			
	37	2.39 [60.7]	1.20 [30.5]	2.50 [63.5]	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 [5.6]	.12 [3.0]
	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.								



Mounting Styles



Strain Relief (Order Separately) Material: Stainless Steel



TS-0235-H
Sheet 3 of 3



Electronics Materials Solutions Division
Interconnect Solutions
<http://www.3M.com/interconnect>

3M is a trademark of 3M Company.
For technical, sales or ordering information call
800-225-5373

Regulatory: For regulatory information about this product, visit 3M.com/regs or contact your 3M representative.

Technical Information: The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

Product Use: Many factors beyond 3M's control and uniquely within user's control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

Warranty, Limited Remedy, and Disclaimer: Unless an additional warranty is specifically stated on the applicable 3M product packaging or product literature, 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OR TRADE.

If the 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

Limitation of Liability: Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

3M Business Center
Electronics Materials Solutions Division
13011 McCallen Pass Bldg. C
Austin, TX 78753-5380
1-800-225-5373
www.3M.com/interconnect



Electronics Materials Solutions Division
Interconnect Solutions
<http://www.3M.com/interconnect>

Please recycle. Printed in USA. ©
3M 2019. All rights reserved.
RIA-2217B-E

3M is a trademark of 3M Company.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

3M:

[8309-7009](#) [8315-7009](#) [8325-7009](#)