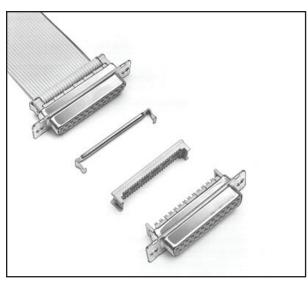
3M[™] D Sub Socket

Socket Connector 8300 Series



- Available in either open or closed end cover
- Improved metal strain relief hooks directly to metal shell
- Low profile
- Four mounting options
- See Regulatory Information Appendix for Chemical Compliance Information

Date Modified: December 7, 2009

TS-0235-D Sheet 1 of 3

Physical

Insulation:

Material: Glass Filled Polyester (PBT)

Flammability: UL 94V-0

Color: Gray

Contact Material: Copper Alloy

Plating:

Underplating: 100μ " [2.54μ m] Nickel Wiping Area: 30μ " [0.76μ 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: 1A

Insulation Resistance: $> 1 \times 10^{9}\Omega$ at 500 V_{DC} **Withstanding Voltage:** 1000 V_{RMS} at Sea Level

Environmental

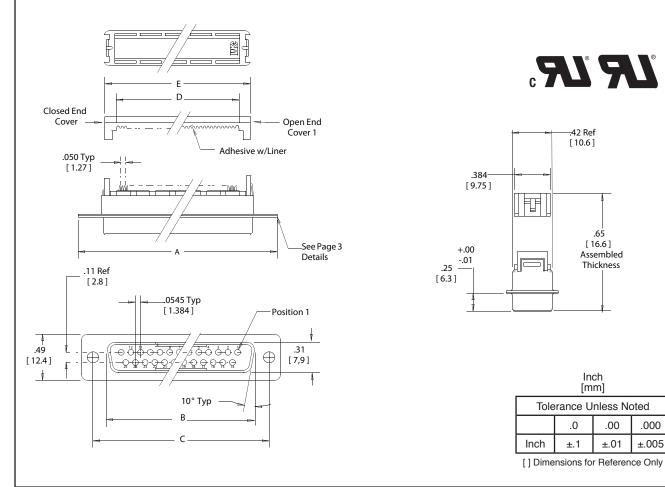
Temperature Rating: -55°C to +105°C

UL File No.: E68080

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| Contact Quantity | Dimensions | | | | | | | | | |
|---------------------|-------------|--------------|-------------|--------------|--------------|--------------|--|--|--|--|
| | Α | В | С | D | E | F ± .008 | | | | |
| 9 | 1.23 [31.2] | 0.64 [16.33] | 0.98 [25.0] | 0.46 [11.75] | 0.67 [16.92] | 0.70 [17.76] | | | | |
| 15 | 1.54 [39.2] | 0.97 [24.67] | 1.31 [33.3] | 0.76 [19.4] | 0.99 [25.2] | 1.03 [26.15] | | | | |
| 25 | 2.09 [53.0] | 1.51 [38.37] | 1.85 [47.0] | 1.27 [32.2] | 1.54 [39.0] | 1.58 [40.1] | | | | |
| 37 | 2.73 [69.4] | 2.16 [54.82] | 2.50 [63.5] | 1.87 [47.6] | 2.19 [55.56] | 2.22 [56.34] | | | | |



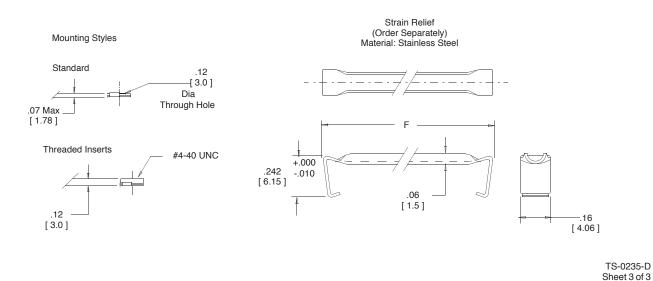


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| Mounting Method* | Contact Quantity | Dimensions | | | | | | | |
|---------------------|---------------------|------------------|------------------|------------------|------------------|----------------|---------------|--------------|--|
| | | A 1 | 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.



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