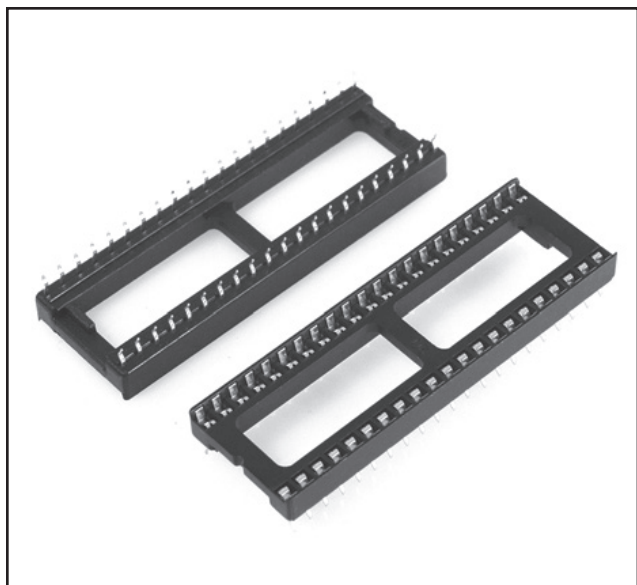


# 3M™ DIP Socket

Stamped and Formed, Dual-Wipe

4800 Series



- Dual leaf, high compression contact provides reliable termination
- Automatic insertion option is compatible with most insertion equipment
- Side and end stackable
- RoHS Compliant. See the Regulatory Information Appendix (RIA) in the "RoHS Compliance" section of [www.3mconnector.com](http://www.3mconnector.com) for compliance information (RIA E1 and C1 Apply)

Date Modified: April 19, 2011

TS-1099-B  
Sheet 1 of 2

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## Physical

**Marking** **Insulation Material:** Polyester Glass Filled

Flammability: UL 94V-0

Color: Black

**Contact Material** Phosphor Bronze

Underplating: 35  $\mu$ " [ 0.89  $\mu$ m ] min. Nickel overall

Surface Plating: 135  $\mu$ " [ 3.43  $\mu$ m ] min. Matte Tin

**Insertion/Withdrawl Forces**

Insertion Force: 340 grams max. per contact

Withdrawl Force: 80 grams min. per contact

**Acceptable Pin Sizes**

Diameter: .010" - .011" [ 0.25 mm - 0.27 mm ]

Length: .100" - .130" [ 2.54 mm - 3.30 mm ]

**Mounting Information**

Hole Diameter: .035" - .043" [ 0.90 mm - 1.10 mm ]

**Marking** None

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## Electrical

**Current Rating:** 1 A

**Insulation Resistance:** 5,000 M $\Omega$  at 500 V<sub>DC</sub>

**Withstanding Voltage:** 100 V<sub>AC</sub> for 1 minute

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## Environmental

**Temperature Rating:** -25°C to +85°C

**Process Rating:** 260°C max. wave solder reflow only



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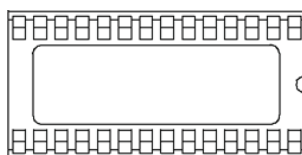
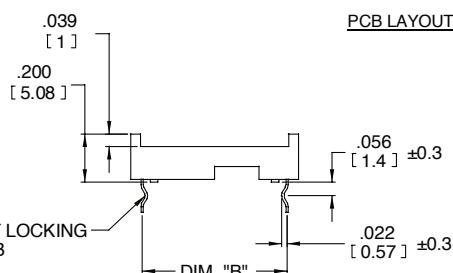
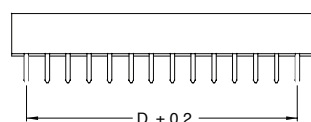
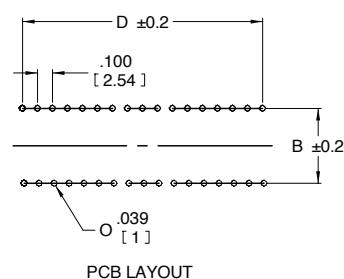
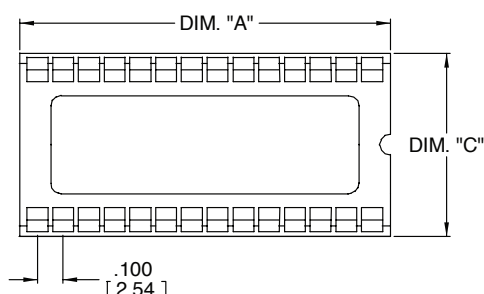
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# 3M™ DIP Socket

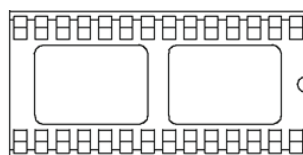
Stamped and Formed, Dual-Wipe

4800 Series

| Contact Quantity | Dimension A   | Dimension B  | Dimension C  | Dimension D   | Body Style |
|------------------|---------------|--------------|--------------|---------------|------------|
| 8                | .395 [10.03]  | .300 [7.62]  | .400 [10.16] | .300 [7.62]   | A          |
| 14               | .695 [17.65]  | .300 [7.62]  | .400 [10.16] | .600 [15.24]  | A          |
| 16               | .795 [20.19]  | .300 [7.62]  | .400 [10.16] | .700 [17.78]  | A          |
| 18               | .895 [22.73]  | .300 [7.62]  | .400 [10.16] | .800 [20.32]  | A          |
| 20               | .995 [25.27]  | .300 [7.62]  | .400 [10.16] | .900 [22.86]  | A          |
| 24               | 1.195 [30.35] | .300 [7.62]  | .400 [10.16] | 1.100 [27.94] | A          |
| 24               | 1.195 [30.35] | .600 [15.24] | .700 [17.78] | 1.100 [27.94] | B          |
| 28               | 1.395 [35.43] | .300 [7.62]  | .400 [10.16] | 1.300 [33.02] | B          |
| 28               | 1.395 [35.43] | .600 [15.24] | .700 [17.78] | 1.300 [33.02] | B          |
| 32               | 1.595 [40.51] | .600 [15.24] | .700 [17.78] | 1.500 [38.10] | B          |
| 40               | 1.995 [50.67] | .600 [15.24] | .700 [17.78] | 1.900 [48.26] | B          |
| 42               | 2.100 [53.34] | .600 [15.24] | .700 [17.78] | 2.000 [50.80] | B          |
| 48               | 2.395 [60.83] | .600 [15.24] | .700 [17.78] | 2.300 [58.42] | B          |



Body Style "A"



Body Style "B"

Note: Suitable for "lead free" wave solder only. NOT FOR REFLOW SOLDER PROCESSES.



Inch  
[mm]

| Tolerance Unless Noted |     |      |       |
|------------------------|-----|------|-------|
|                        | .0  | .00  | .000  |
| inch                   | ±.1 | ±.01 | ±.005 |

[ ] Dimensions for Reference Only

## Ordering Information

**48XX - X00X - CP**

Contact Quantity  
(See Table)

Row Spacing:  
3 = .300 [7.62]  
6 = .600 [15.24]  
(See Table)

Tail:  
0 = Straight  
4 = Kinked

TS-1099-B  
Sheet 2 of 2



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