

# 3M™ Pak 100 Preassembled Wiremount Socket

.100" × .100" for .050" Pitch Cable

891 Series



- Preassembled, terminates faster than two-piece sockets
- “Sword” packaging makes easy loading of manual and semi-automatic assembly equipment
- “Bumps” prevent premature latch locking during shipment
- Optional double-sided adhesive pull tab for easy unplugging
- Double-recessed cover for cable terminating from either side eliminates need for single-recessed cover connectors

Date Modified: May 17, 2004

TS-0449-18  
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## Physical

### Insulation

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

### Contact

Material: Phosphor Bronze (C510)

### Plating

Underplating: 100  $\mu$ " [ 2.54  $\mu$ m ] Nickel — QQ-N-290, Class 2  
Wiping Area: 30  $\mu$ " [ 0.76  $\mu$ m ] Gold — MIL-G-45204, Type II, Grade C  
Wire Accommodation: 26 & 28 AWG Stranded  
**Marking:** 3M Logo, Part Identification Number and Orientation Triangle

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## Electrical

**Current Rating:** 1 A  
**Insulation Resistance:**  $> 1 \times 10^9 \Omega$  at 500 Vdc  
**Withstanding Voltage:** 1000 Vrms at Sea Level

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## Environmental

**Temperature Rating:** -55°C to +105°C

UL File No.: E68080

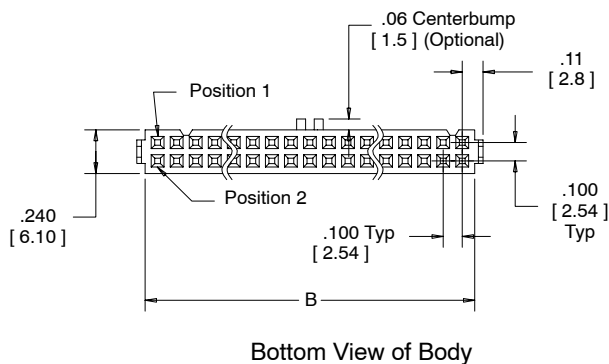
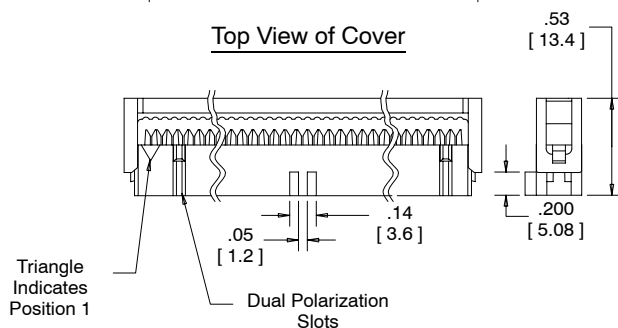
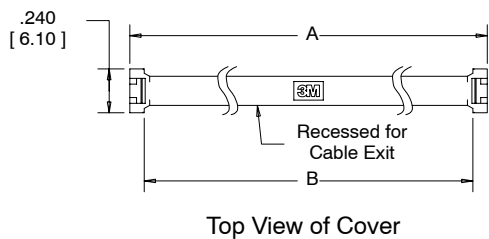
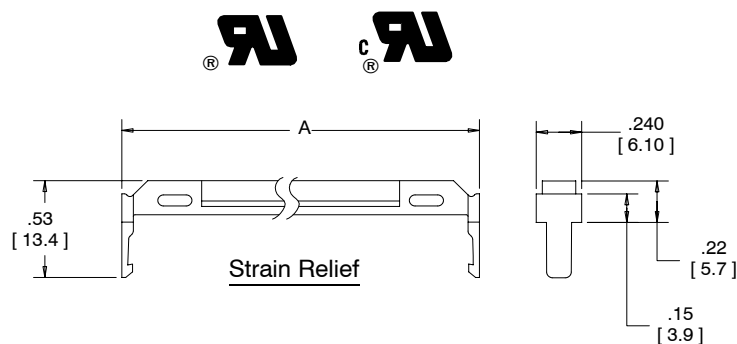
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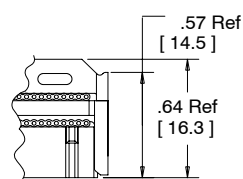
.100" × .100" for .050" Pitch Cable

891 Series

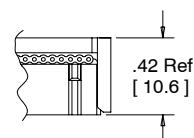


Note: See TS-0721 for mating post pattern.

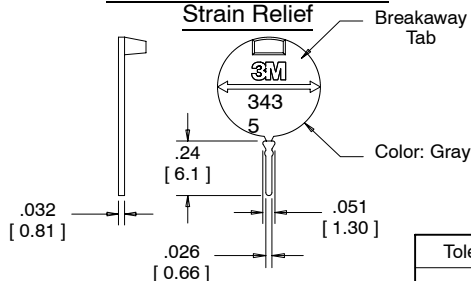
| Contact Quantity | Dimensions    |               |
|------------------|---------------|---------------|
|                  | A             | B             |
| 10               | .68 [ 17.3 ]  | .53 [ 13.5 ]  |
| 14               | .88 [ 22.4 ]  | .73 [ 18.5 ]  |
| 16               | .98 [ 24.9 ]  | .83 [ 21.1 ]  |
| 20               | 1.18 [ 30.0 ] | 1.03 [ 26.2 ] |
| 24               | 1.38 [ 35.1 ] | 1.23 [ 31.2 ] |
| 26               | 1.48 [ 37.6 ] | 1.33 [ 33.8 ] |
| 30               | 1.68 [ 42.7 ] | 1.53 [ 38.9 ] |
| 34               | 1.88 [ 47.7 ] | 1.73 [ 43.9 ] |
| 36               | 1.98 [ 50.3 ] | 1.83 [ 46.5 ] |
| 40               | 2.18 [ 55.4 ] | 2.03 [ 51.6 ] |
| 44               | 2.38 [ 60.5 ] | 2.23 [ 56.4 ] |
| 50               | 2.68 [ 68.1 ] | 2.53 [ 64.1 ] |
| 60               | 3.18 [ 80.0 ] | 3.03 [ 80.0 ] |



Assembled Height with Standard Plastic Strain Relief



Assembled Height Without Strain Relief



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

[ ] Dimensions for Reference only

## Ordering Information

**Sockets**  
**891XX-0XXXXX**

Contact Quantity:  
See Table

Polarization Options:  
0 = Without Centerbump  
1 = With Centerbump

Plating Option:  
HA = 15 μ" [ 0.38 μm ] Gold  
with 30 μ" [ 0.76 μm ] Nickel

Strain Relief Options:  
1 = Without Strain Relief

Package Style Options:  
0 = Preassembled  
1 = Two Piece Outside Bandolier

**Strain Relief**  
(Order Separately)  
**3448-891XX**

Contact Quantity:  
See Table

**Pull Tabs**  
(Order Separately)

See TS-0496.

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Assembly tools: 3640 press (or equivalent), 3443-107N locator plate, 3442-9 platen.

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