

# 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  
Sheet 1 of 2

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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 μ" [ 2.54 μm ] Nickel — QQ-N-290, Class 2  
Wiping Area: 30 μ" [ 0.76 μm ] 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

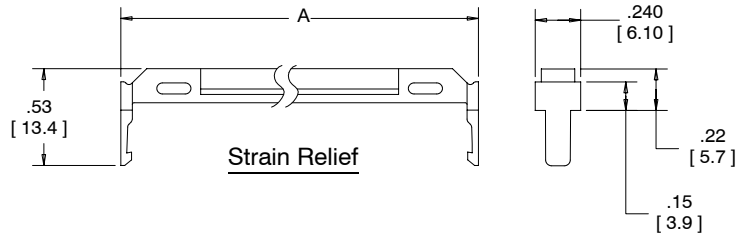
**3M**  
Interconnect Solutions  
<http://www.3M.com/interconnects/>

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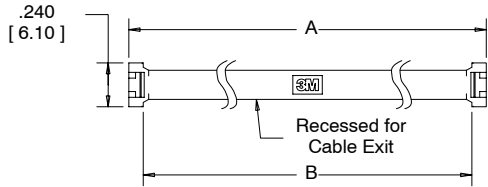
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.100" × .100" for .050" Pitch Cable

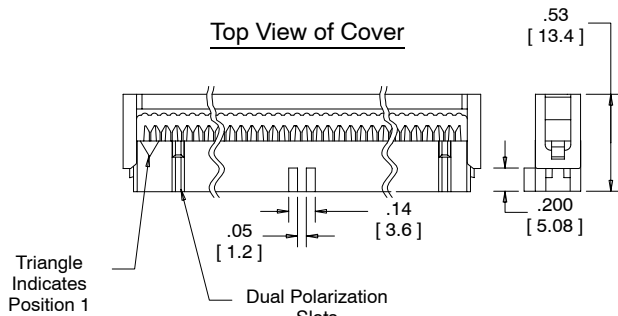
891 Series



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 ]

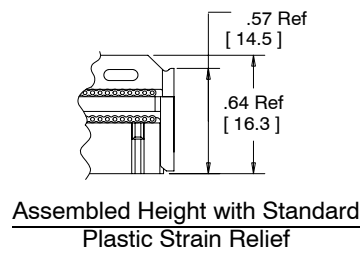


Top View of Cover

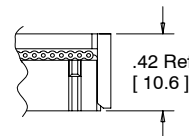


Triangle Indicates Position 1

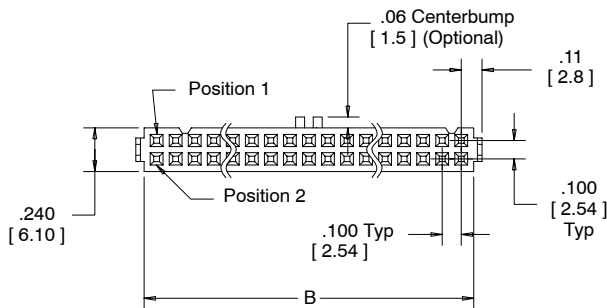
Dual Polarization Slots



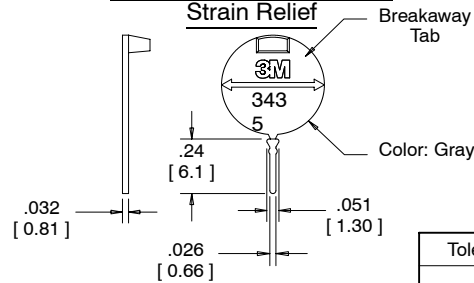
Assembled Height with Standard Plastic Strain Relief



Assembled Height Without Strain Relief



Bottom View of Body



3435-0 Keying Plug (Optional: Order Separately)

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

[ ] Dimensions for Reference only

Note: See TS-0721 for mating post pattern.

## Ordering Information

**Sockets**  
891XX-0XXXXX

Contact Quantity:  
See Table

Polarization Options:  
0 = Without Centerbump  
1 = With Centerbump

Strain Relief Options:  
1 = Without Strain Relief

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

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

**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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