

# 3M™ Wiremount Socket

.100" × .100" for .050" Pitch Cable (Optional Plastic or Metal Strain Relief)

3000 Series



- Industry standard IDC socket
- Positive locking metal “J” clips provide high cover retention
- Mates with 3M headers, plugs and pin strips for quick connect/disconnect capability
- Open or closed end covers available
- Accepts flat cable or discrete wire
- Military polarization, with or without centerbump
- Transfer adhesive on covers provides precision alignment between connector and cables resulting in high yield terminations
- Availability of pull tab to facilitate proper unplugging
- Availability of 2 types of strain relief (standard and low profile) to isolate the IDC interface
- Set the standard for MIL spec and IEC standardization
- Availability of Military and Center Bump polarization
- See the Regulatory Information Appendix (RIA) in the “RoHS compliance” section of [www.3mconnectors.com](http://www.3mconnectors.com) for compliance information (RIA E1 & C1 apply)

Date Modified: October 12, 2011

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## Physical

### Insulation:

Material: Glass Filled Polyester (PBT)

Flammability: UL 94V-0

Color: Gray

### Contact:

Material: Copper Alloy

J Clip Material: Stainless Steel

### Plating:

Underplating and U-Slot: 100  $\mu$ " [ 2.54  $\mu$ m ] Nickel

Wiping Area: 30  $\mu$ " [ 0.76  $\mu$ m ] Gold

Wire Accommodation: 26 and 28 AWG Solid and Stranded

Marking: 3M Logo, Part Identification Number and Orientation Triangle

## Electrical

| Current Rating: | 1 Line | 6 Adjacent Lines | All Lines |
|-----------------|--------|------------------|-----------|
| 26 AWG          | 4.75   | 2.00             | 1.00      |
| 28 AWG          | 4.50   | 1.75             | 1.00      |

Rating Conditions: EIA-364-070 Method 2, 30°C maximum temperature rise, 20% derated.  
Reference appropriate 3M Product Specification for detailed current derating curves.

Insulation Resistance:  $> 1 \times 10^9 \Omega$  at 500 V<sub>DC</sub>

Withstanding Voltage: 1000 V<sub>RMS</sub> at Sea Level

## Environmental

Temperature Rating: -55°C to +105°C

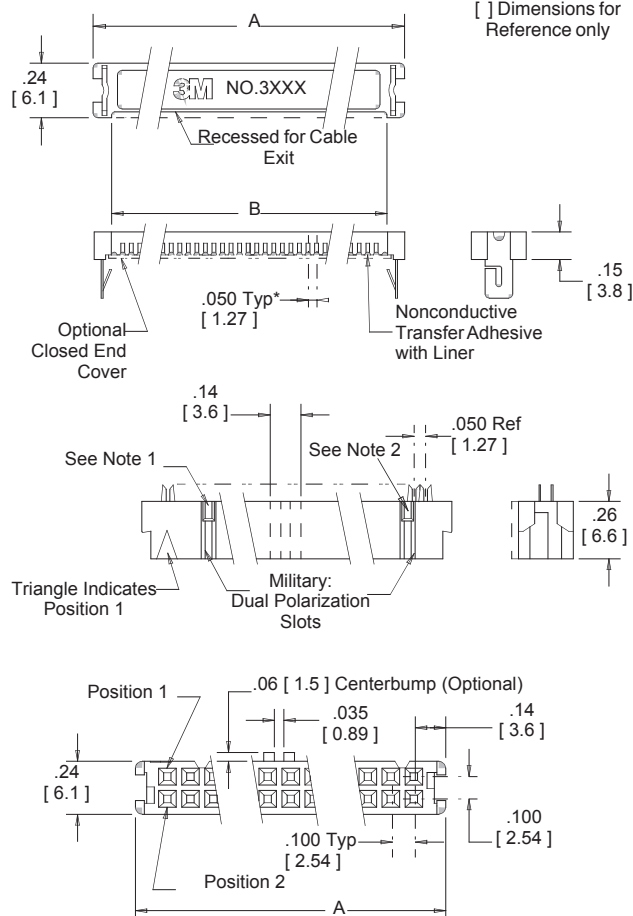
UL File No.: E68080



Electronic Solutions Division  
Interconnect Solutions  
<http://www.3Mconnectors.com>

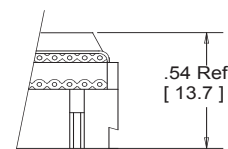
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### 3000 Series

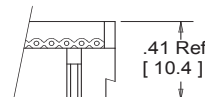


1. This polarizing groove is non-existent on 3863, 3868, 3385 and 3473 Series.
2. This polarizing groove is non-existent on 3863 series for Polarization option 6.
3. The low profile strain relief can be used with the 4600 Series Plug and .1 x .1 Headers with elector latches. The latches will only function as an elector.

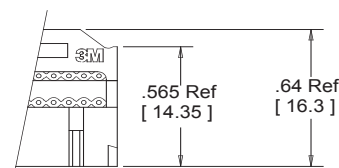
| Contact Quantity | Dimensions    |               |               |
|------------------|---------------|---------------|---------------|
|                  | Socket Series | A             | B             |
| 6                | 3863          | 0.48 [12.2]   | 0.34 [8.6]    |
| 8                | 3868          | 0.58 [14.7]   | 0.44 [11.2]   |
| 10               | 3473          | 0.68 [ 17.3 ] | 0.54 [ 13.7 ] |
| 14               | 3385          | 0.88 [ 22.4 ] | 0.74 [ 18.8 ] |
| 16               | 3452          | 0.98 [ 24.9 ] | 0.84 [ 21.3 ] |
| 20               | 3421          | 1.18 [ 30.0 ] | 1.04 [ 26.4 ] |
| 24               | 3626          | 1.38 [ 35.1 ] | 1.24 [ 31.5 ] |
| 26               | 3399          | 1.48 [ 37.6 ] | 1.34 [ 34.0 ] |
| 30               | 3419          | 1.68 [ 42.7 ] | 1.54 [ 39.1 ] |
| 34               | 3414          | 1.88 [ 47.8 ] | 1.74 [ 44.2 ] |
| 36               | 9436          | 1.98 [ 50.3 ] | 1.84 [ 46.7 ] |
| 40               | 3417          | 2.18 [ 55.4 ] | 2.04 [ 51.8 ] |
| 44               | 9444          | 2.38 [ 60.5 ] | 2.24 [ 56.9 ] |
| 50               | 3425          | 2.68 [ 68.1 ] | 2.54 [ 64.5 ] |
| 60               | 3334          | 3.18 [ 80.8 ] | 3.04 [ 77.2 ] |



### Assembled Height with Metal Profile Strain Relief



Assembled Height  
without Strain Relief



### Assembled Height with Plastic Strain Relief

Polarization:  
0 = Military (Dual Slot)  
6 = Centerbump and Military

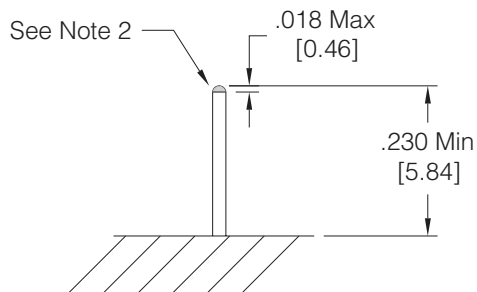
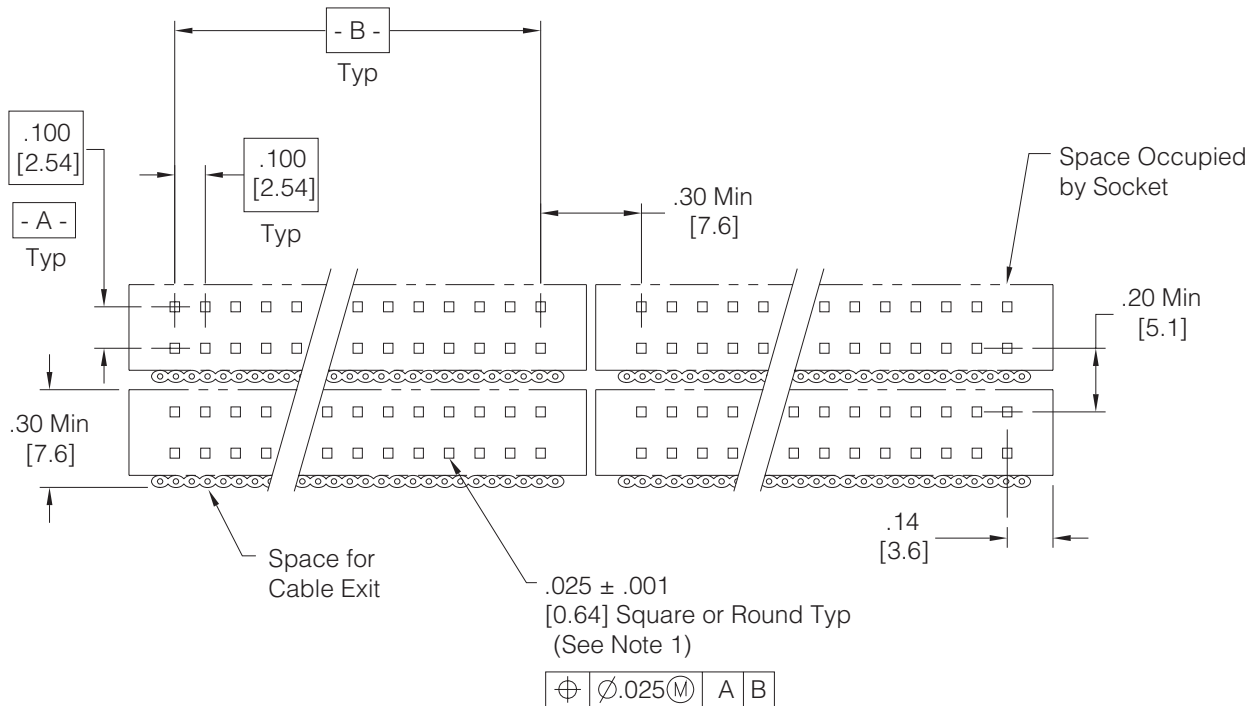
**Pull Tabs**  
(Order Separately)  
**3490-X**

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# 3M™ Wiremount Socket

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3000 Series



## Recommended Post Pattern

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