

# 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 μ" [ 2.54 μm ] Nickel

Wiping Area: 30 μ" [ 0.76 μm ] 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  
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# 3M™ Wiremount Socket

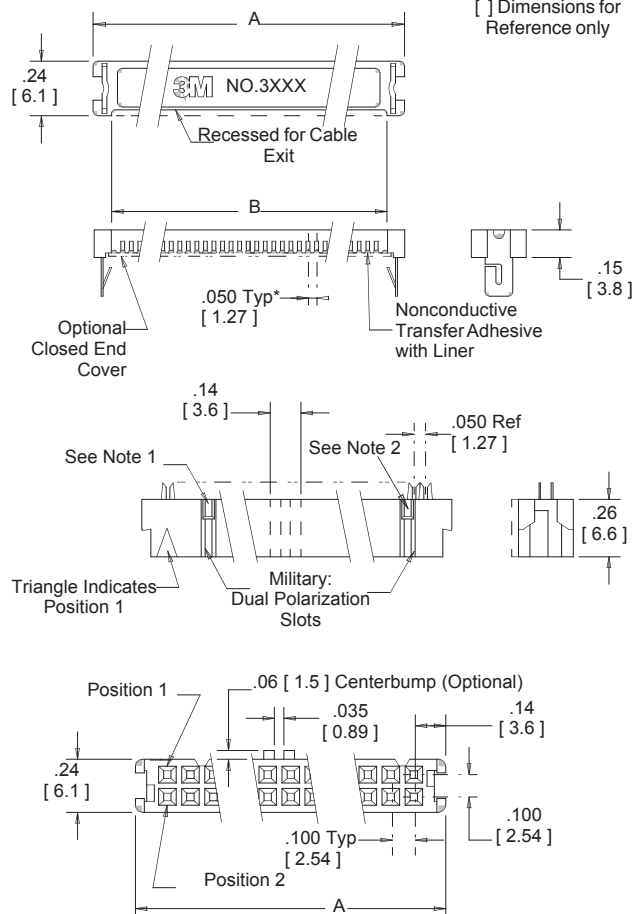
.100" × .100" for .050" Pitch Cable (Optional Plastic or Metal Strain Relief)

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| Inch<br>(mm)           |      |       |        |
|------------------------|------|-------|--------|
| Tolerance Unless Noted |      |       |        |
|                        | .0   | .00   | .000   |
| Inch                   | ± .1 | ± .01 | ± .005 |

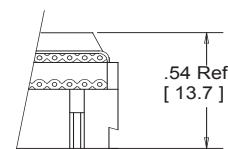
[ ] Dimensions for Reference only



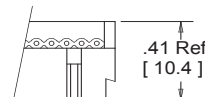
## Notes:

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 ejector latches. The latches will only function as an ejector.

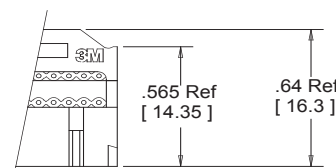
| Contact Quantity | Dimensions    |             |             |
|------------------|---------------|-------------|-------------|
|                  | Socket Series | A           | B           |
| 6                | 3863          | 0.48 [12.2] | 0.34 [8.6]  |
| 8                | 3868          | 0.58 [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**

## Ordering Information

### Sockets

XXXX-XXXX

RIA (E1 & C1 Apply)

Socket Series:  
See Table for  
3M Part Number

Cover:  
6 = Open End  
(For Daisy Chaining or Bussing)  
7 = Closed End  
(For End Cable Termination)  
(10-60 Position Only)

00 = No Strain Relief  
XX = Contact Quantity for  
Plastic Strain Relief  
10-60 Position  
05 = Plastic Strain Relief  
6 & 8 Position  
06 = Metal Strain Relief  
10-60 Position

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

### Strain Relief (Order Separately) 3448-X0XX

Type:  
2 = Low Profile 10-60  
Position (Metal)  
3 = Plastic

XX = "Contact Quantity"  
See Table  
(i.e. 50 for  
a 50 Position  
Strain Relief)

**See TS-0720**

Assembly tools: 3M™ Press (or equivalent) 3640, 3M™  
Locator Plate 3443-94, 3M™ Platen 3442-9.

### Keying Plug (Order Separately) 3435-0

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

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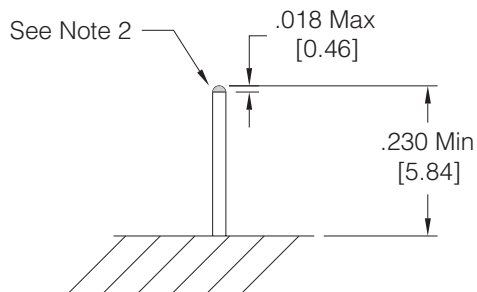
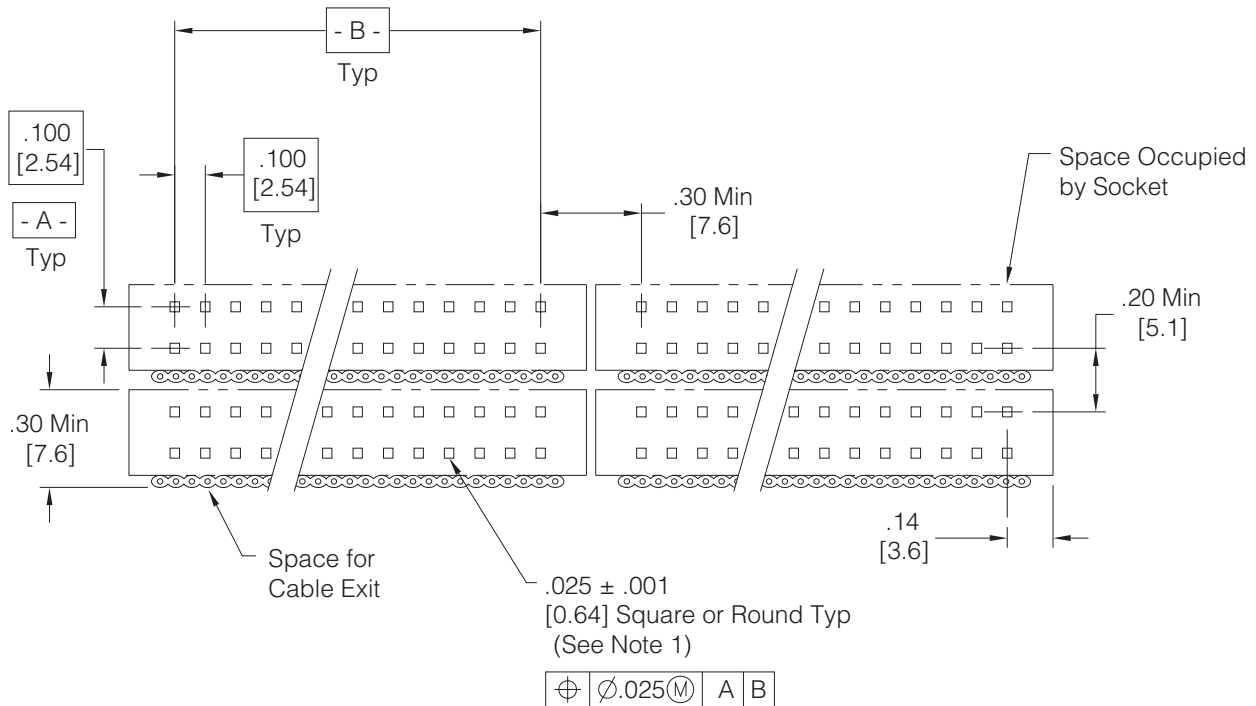
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## Recommended Post Pattern

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#### **3M Electronics Solutions Division**

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