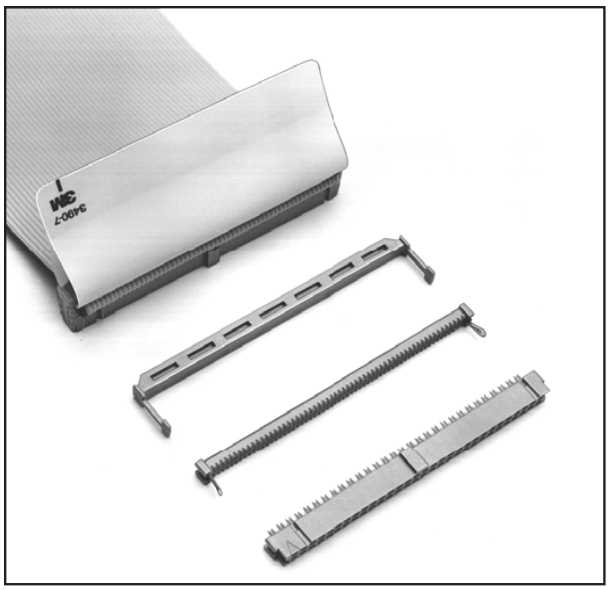
# 3M™ Wiremount Socket

.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 for compliance information (RIA E1 & C1 apply)

Date Modified: October 12, 2011



## 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 $V_{DC}$

**Withstanding Voltage:** 1000 $V_{RMS}$ at Sea Level

## Environmental

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

UL File No.: E68080

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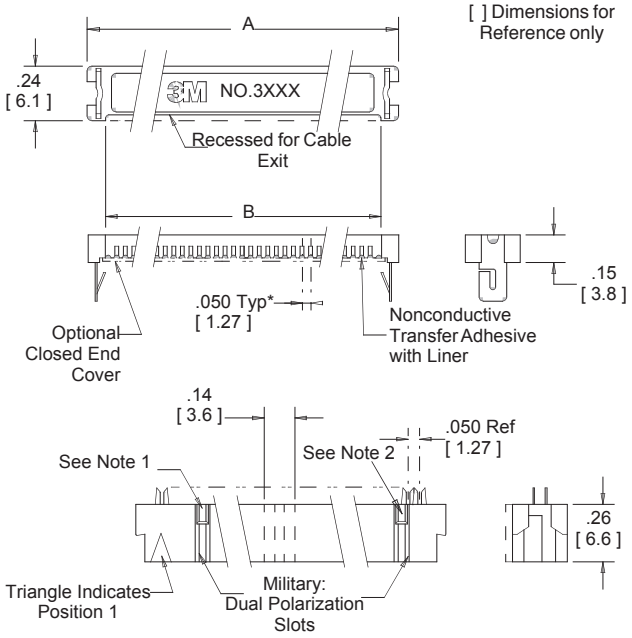
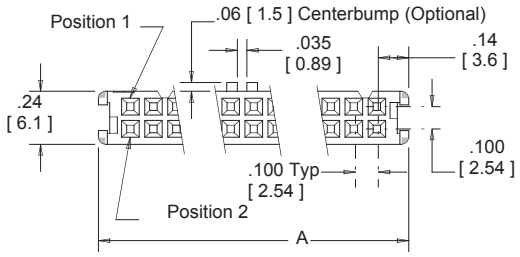
Inch (mm)

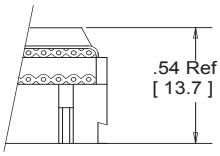
| Tolerance Unless Noted | | | |
|---|---|---|---|
| | .0 | .00 | .000 |
| Inch | ± .1 | ± .01 | ± .005 |

[ ] Dimensions for Reference only

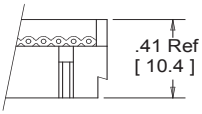


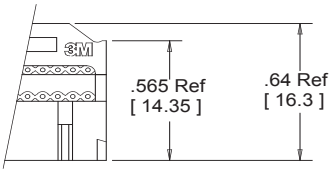

| Contact Quantity | Dimensions | | |
|---|---|---|---|
| | Socket Series | A | B |
| 6 | 3863 | 0.48 [12.2] | 0.34 [8.6] |
| 8 | 3868 | 0.58 [14.7] | 0.44 [11.2] |
| 10 | 3473 | 0.68 [ 17.3 ] | 0.54 [ 13.7 ] |
| 14 | 3385 | 0.88 [ 22.4 ] | 0.74 [ 18.8 ] |
| 16 | 3452 | 0.98 [ 24.9 ] | 0.84 [ 21.3 ] |
| 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

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.

## 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)

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

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

**See TS-0720**

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



3M
**Electronic Solutions Division**
**Interconnect Solutions**
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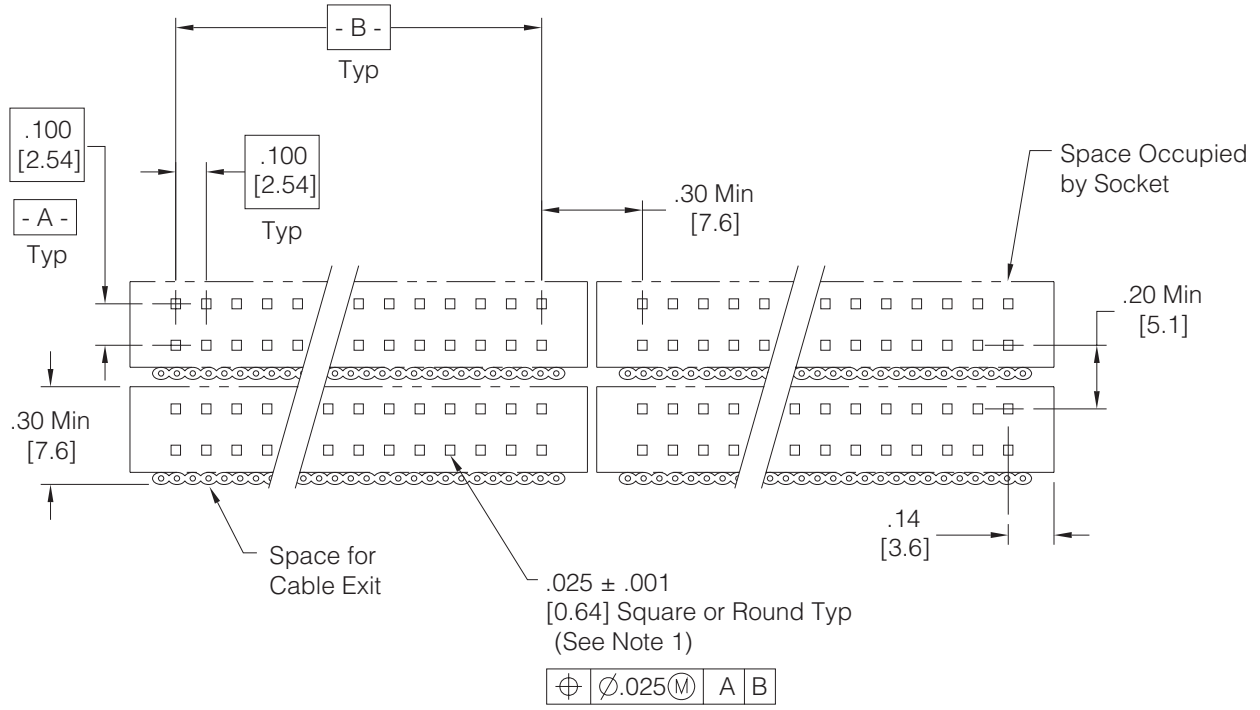


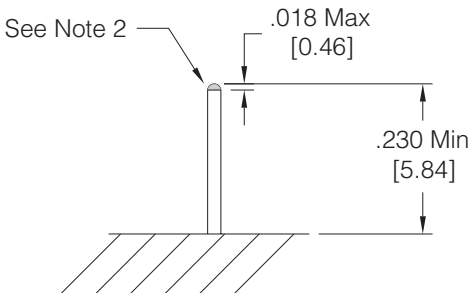


## Recommended Post Pattern

TS-0718-F
Sheet 3 of 3




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