# 3M<sup>™</sup> Wiremount Socket

 $.100" \times .100"$  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: July 23, 2009

TS-0718-D Sheet 1 of 3

# **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:** 1A

**Insulation Resistance:**  $> 1 \times 10^{9} \Omega$  at  $500 \text{ V}_{DC}$ **Withstanding Voltage:**  $1000 \text{ V}_{RMS}$  at Sea Level

## **Environmental**

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

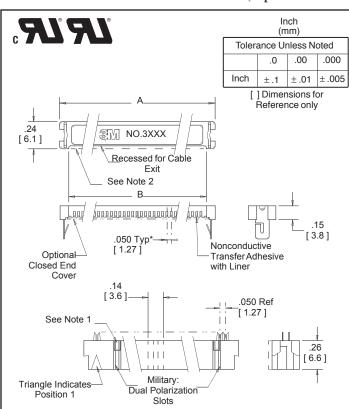
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**3M** 

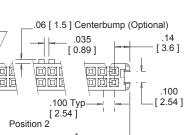
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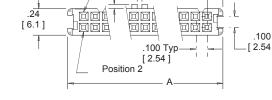
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3000 Series

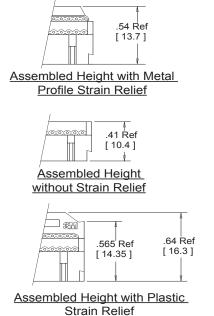


Contact Quantity	Dimensions		
	Socket Series	Α	В
10	3473	0.68 [ 17.3 ]	0.54 [ 13.7 ]
14	3385	0.88 [ 22.4 ]	0.74 [ 18.8 ]
16	3452	0.98 [ 24.9 ]	0.84 [ 21.3 ]
20	3421	1.18 [ 30.0 ]	1.04 [ 26.4 ]
24	3626	1.38 [ 35.1 ]	1.24 [ 31.5 ]
26	3399	1.48 [ 37.6 ]	1.34 [ 34.0 ]
30	3419	1.68 [ 42.7 ]	1.54 [ 39.1 ]
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 ]



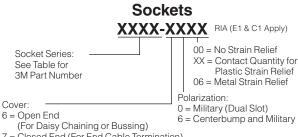


- 1. This polarizing groove is non-existent on 3385 and 3473 Series.
- 2. The optional high cable-profile cover for cable thicker than .040 [ 1.02 ] (does not have cable exit recess).
- 3. The low profile strain relief can be used with the 4600 Series Plug and .1 x .1 Headers with ejector latches. The latches will only function as an ejector.



# **Ordering Information**

Position 1



7 = Closed End (For End Cable Termination) 8 = Open End for Higher Profile Cables (60 Pos Only)

9 = Closed End for Higher Profile Cables (60 Pos Only)

### **Strain Relief Keying Plug** (Order Separately) (Order Separately) 3448-X0XX 3435-0 XX = "Contact Quantity" 2 = Low Profile (Metal) See Table 3 = Plastic (i.e. 50 for a 50 Position **Pull Tabs** Strain Relief) (Order Separately) 3490-X See TS-0720 Assembly tools: 3M™ Press (or equivalent) 3640, 3M™ TS-0718-D

Locator Plate 3443-94, 3M™ Platen 3442-9

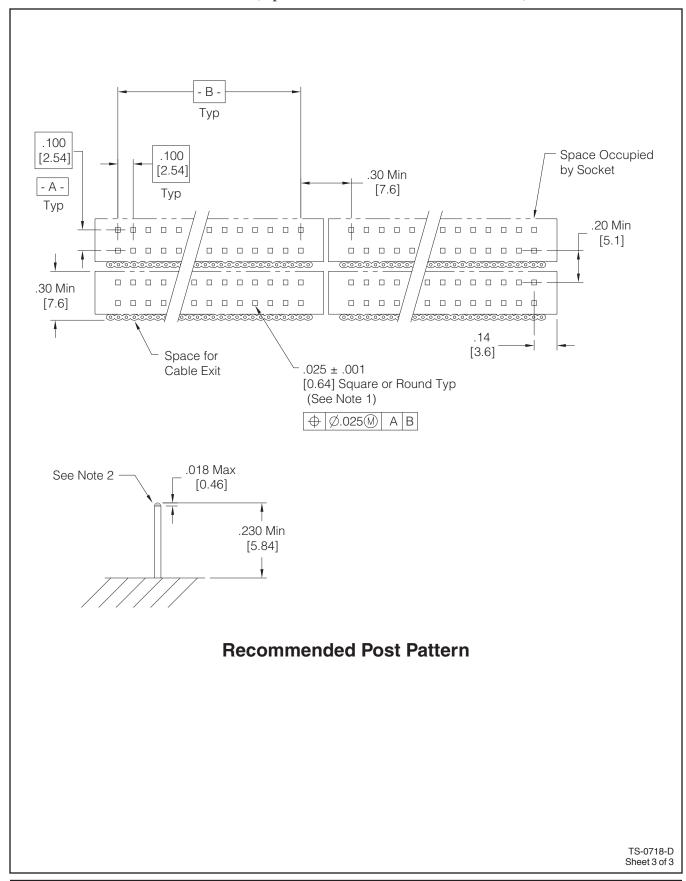
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Sheet 2 of 3

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



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