$.100" \times .100"$  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: 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  $500 \, V_{DC}$ **Withstanding Voltage:**  $1000 \, V_{RMS}$  at Sea Level

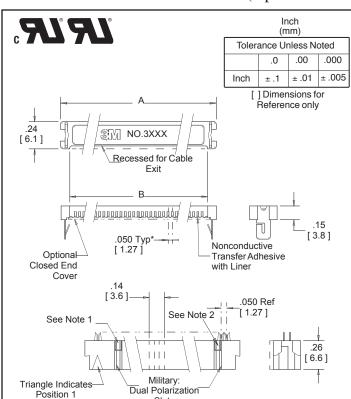
# **Environmental**

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

UL File No.: E68080

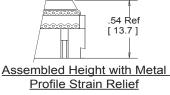
.100" × .100" for .050" Pitch Cable (Optional Plastic or Metal Strain Relief)

3000 Series

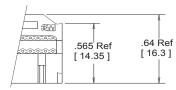


Contact Quantity	Dimensions		
	Socket Series	Α	В
6	3863	0.48 [12.2]	0.34 [8.6]
8	3868	0.58 [14.7]	0.44 [11.2]
10	3473	0.68 [ 17.3 ]	0.54 [ 13.7 ]
14	3385	0.88 [ 22.4 ]	0.74 [ 18.8 ]
16	3452	0.98 [ 24.9 ]	0.84 [ 21.3 ]
20	3421	1.18 [ 30.0 ]	1.04 [ 26.4 ]
24	3626	1.38 [ 35.1 ]	1.24 [ 31.5 ]
26	3399	1.48 [ 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 Plastic Strain Relief

### .06 [ 1.5 ] Centerbump (Optional) Position 1 .035 13.61 .24 [6.1] jot j .100 100 Typ [2.54] Position 2

Slots

- 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) 00 = No Strain Relief Socket Series: XX = Contact Quantity for See Table for Plastic Strain Relief 3M Part Number 10-60 Position 05= Plastic Strain Relief 6 & 8 Position 6 = Open End 06 = Metal Strain Relief (For Daisy Chaining or Bussing) 10-60 Position 7 = Closed End (For End Cable Termination) Polarization: 0 = Military (Dual Slot) (10-60 Position Only)

**Strain Relief** (Order Separately) 3448-X0XX 2 = Low Profile 10-60

Position (Metal)

3 = Plastic

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

Strain Relief)

(Order Separately) 3435-0

**Keying Plug** 

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

See TS-0720

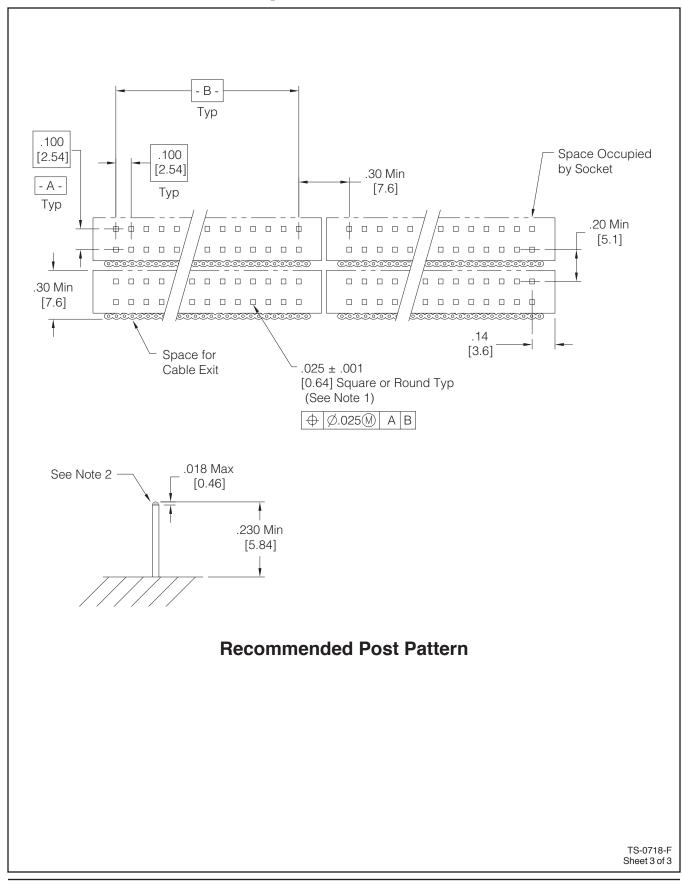
Assembly tools: 3M™ Press (or equivalent) 3640, 3M™ Locator Plate 3443-94, 3M™ Platen 3442-9

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## **3M**

6 = Centerbump and Military

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



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