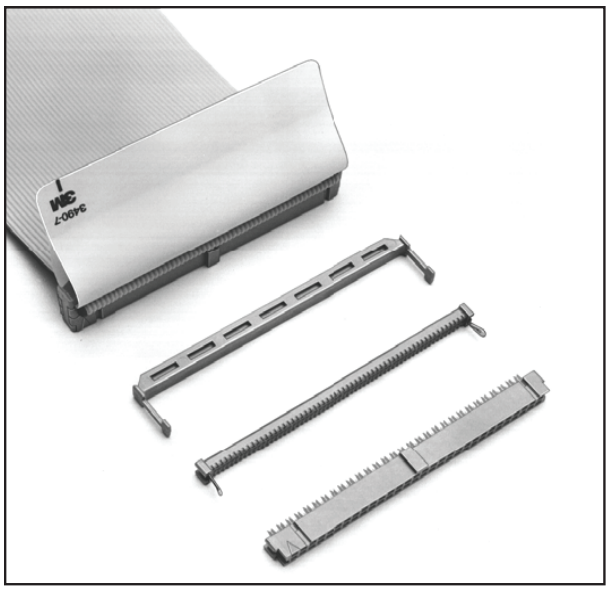
3M™ Wiremount Socket

.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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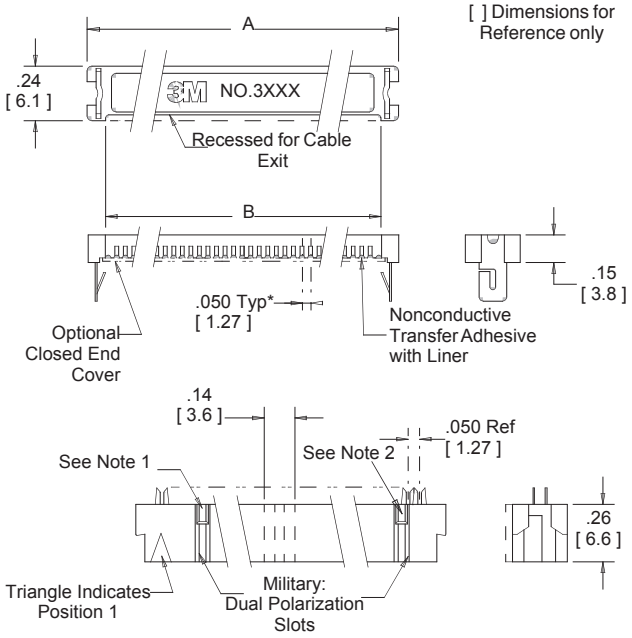
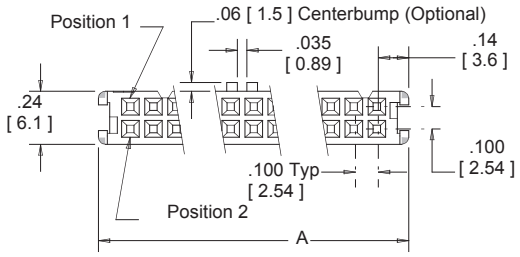
Inch (mm)

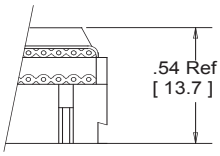
Tolerance Unless Noted			
	.0	.00	.000
Inch	± .1	± .01	± .005

[ ] Dimensions for Reference only

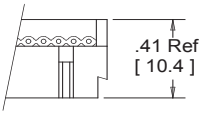




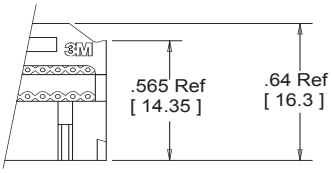
Contact Quantity	Dimensions		
	Socket Series	A	B
6	3863	0.48 [12.2]	0.34 [8.6]
8	3868	0.58 [14.7]	0.44 [11.2]
10	3473	0.68 [17.3]	0.54 [13.7]
14	3385	0.88 [22.4]	0.74 [18.8]
16	3452	0.98 [24.9]	0.84 [21.3]
20	3421	1.18 [30.0]	1.04 [26.4]
24	3626	1.38 [35.1]	1.24 [31.5]
26	3399	1.48 [37.6]	1.34 [34.0]
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
http://www.3Mconnectors.com

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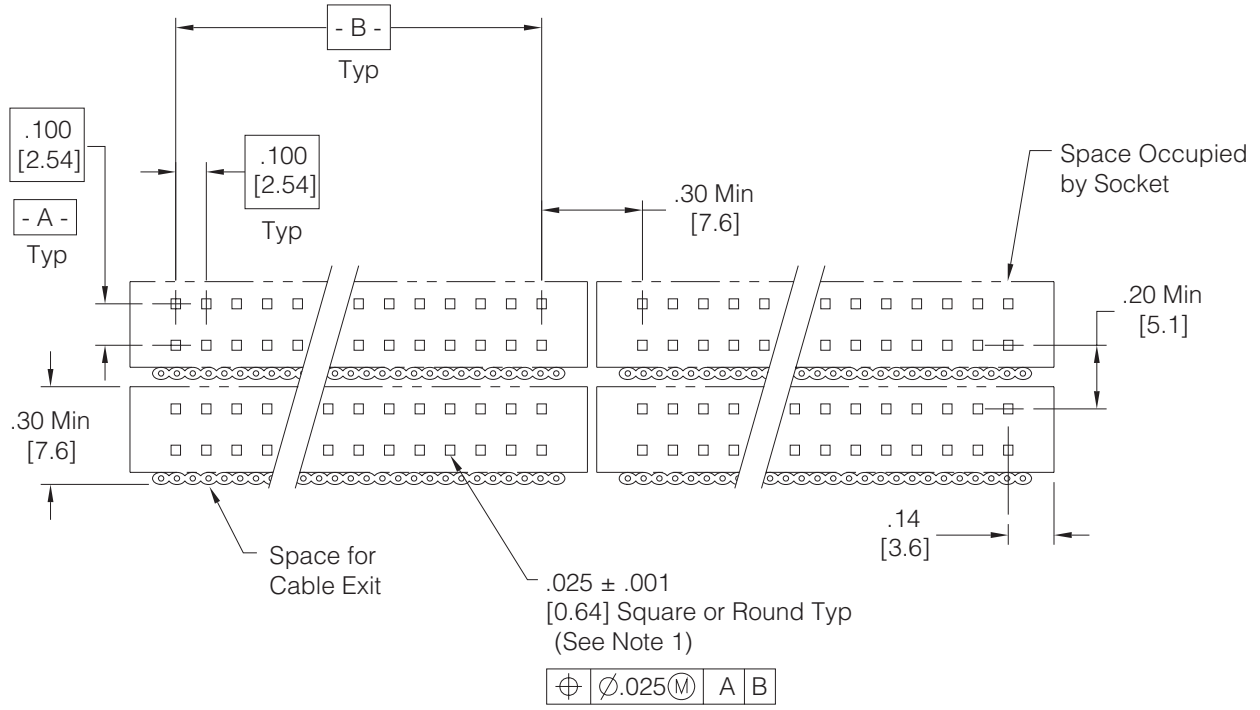

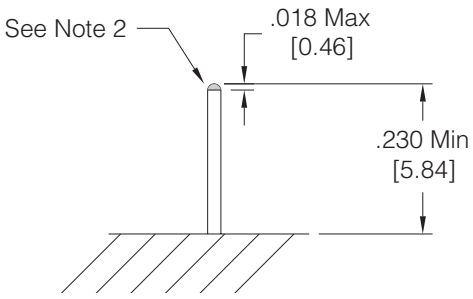

Recommended Post Pattern

TS-0718-F
Sheet 3 of 3

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