

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: July 23, 2009

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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 A

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

3M

Electronic Solutions Division
Interconnect Solutions
<http://www.3M.com/interconnects/>

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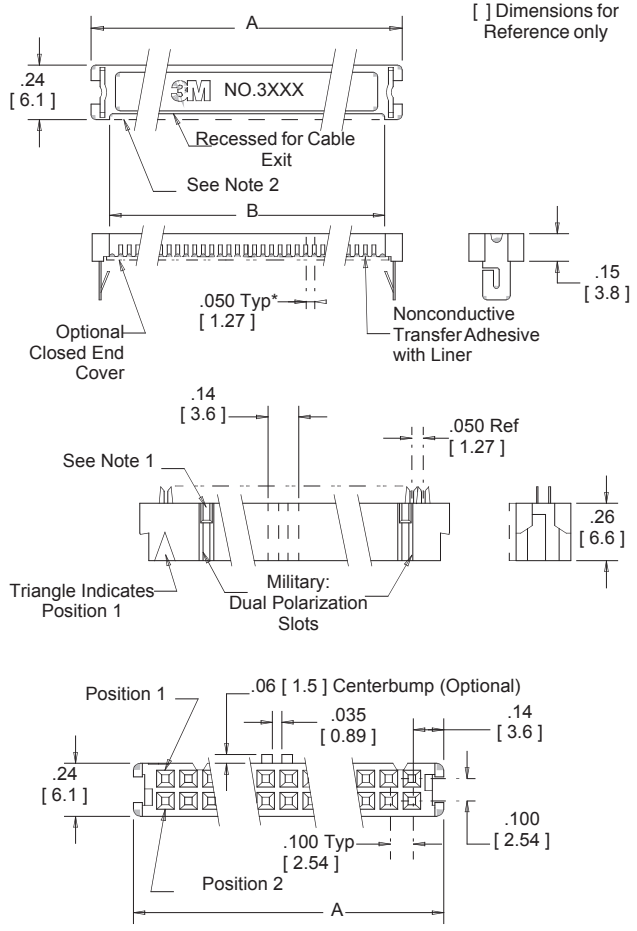
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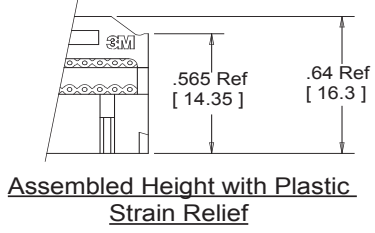
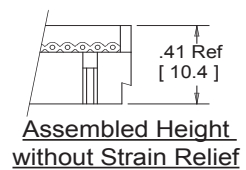
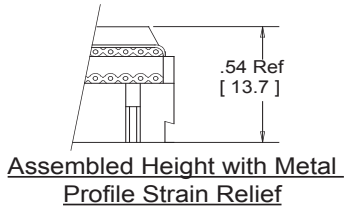
3000 Series



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



Contact Quantity	Dimensions		
	Socket Series	A	B
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]



- Notes:
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

Sockets
XXXX-XXXX RIA (E1 & C1 Apply)

Socket Series:
See Table for
3M Part Number

00 = No Strain Relief
XX = Contact Quantity for
Plastic Strain Relief
06 = Metal Strain Relief

Cover:
6 = Open End
(For Daisy Chaining or Bussing)

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

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
(Order Separately)
3448-X0XX

Type:
2 = Low Profile (Metal)
3 = Plastic

Keying Plug
(Order Separately)
3435-0

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

Pull Tabs
(Order Separately)
3490-X

See TS-0720

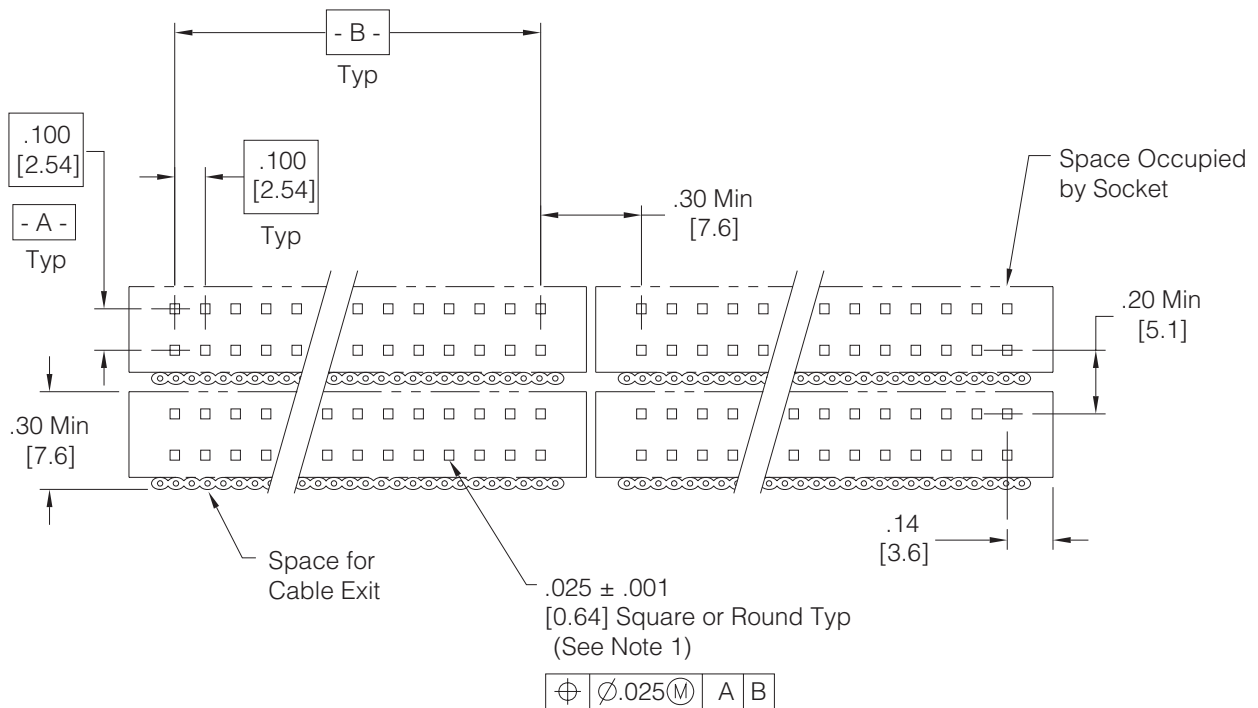
Assembly tools: 3M™ Press (or equivalent) 3640, 3M™
Locator Plate 3443-94, 3M™ Platen 3442-9.

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Recommended Post Pattern

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