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▼ Product Catalog for Electronic Specialty Markets

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- 3M™ Adhesives, Cleaners & Compounds
- 3M™ Breadboards & Test Clips
- 3M™ Cable & Assemblies
- **3M™ Copper Interconnects**
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[Printer-friendly format](#) **3M™ .100 in. Wiremount Socket, .100" x .100", 40 Contacts, 3417-7040**



[\[click to enlarge\]](#)

GTIN(UPC/EAN) : 0 00 54007 31584 1
3M Id : 80-6100-7918-0

.100" x .100" for .050" Pitch Cable, Closed end cover (for end cable termination), Military Polarization (Dual Slot), Plastic Strain Relief, Available options are 3448 Strain Relief, 3435-0 Keying Plug and 3490 Pull Tab, all ordered separately.

Additional Information

Learn More . . .

[Packaging Data](#)

[3M™ .100 in. WM Skt., .100" x .100" for .050" pitch cable, TS0718 - Data Sheet \(PDF 1.0 MB\)](#)

[3417-7040, 3D IGES, rev. 01 - 3D Models \(ZIP 164.3 K\)](#)

[3417-7040, 3D Parasolid, rev. 01 - 3D Models \(ZIP 150.2 K\)](#)

[3417-7040, 3D Step, rev. 01 - 3D Models \(ZIP 122.4 K\)](#)

Please Note:

Adobe® Acrobat® Reader is required to view PDF documents.



Characteristics

China RoHS - Below MCV	Yes
Conductor Accommodation	26 & 28 AWG Solid or Stranded
Connector Cover Style	MetalClip Separate ClosedEnd, NoRecess
Contact Material	Copper Alloy
Contact Termination Area Plating	None
Contact Underplating	100 μ" [2.54 μm] Nickel
Contact Wiping Area Plating	30 μ" [0.76 μm] Gold
Current Rating	1 Ampere
EPC Can View	Contract Only
EU RoHS Compliant	Yes

Insulation Color	Gray
Insulation Flammability Rating	UL 94V-0
Insulation Material	Glass Filled Polyester (PBT)
Insulation Resistance	>1 X 10 ⁹ Ohms @ 500 Vdc
Interface Grid	.100" x .100"
Interface Style	Rectangular Socket
Markings	3M Logo, Part Identification Number and Orientation Triangle
Non-Operating Temperature	-55 to 105 Degree Celsius
Number of Contact Rows	2
Number of Contacts	40
Pitch	0.100 Inch
Polarization	Dual Slots
Primary Trademark Name	3M
Separable	Yes
Strain Relief Type	Plastic
Termination Method	Insulation Displacement
Termination Style	Multiple Wires
Withstanding Voltage	1000 Vrms at Sea Level

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
- 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 Regulatory Information Appendix for chemical compliance information

Date Modified: January 10, 2008

TS-0718-B
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: 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



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

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800-225-5373

3M™ Wiremount Socket

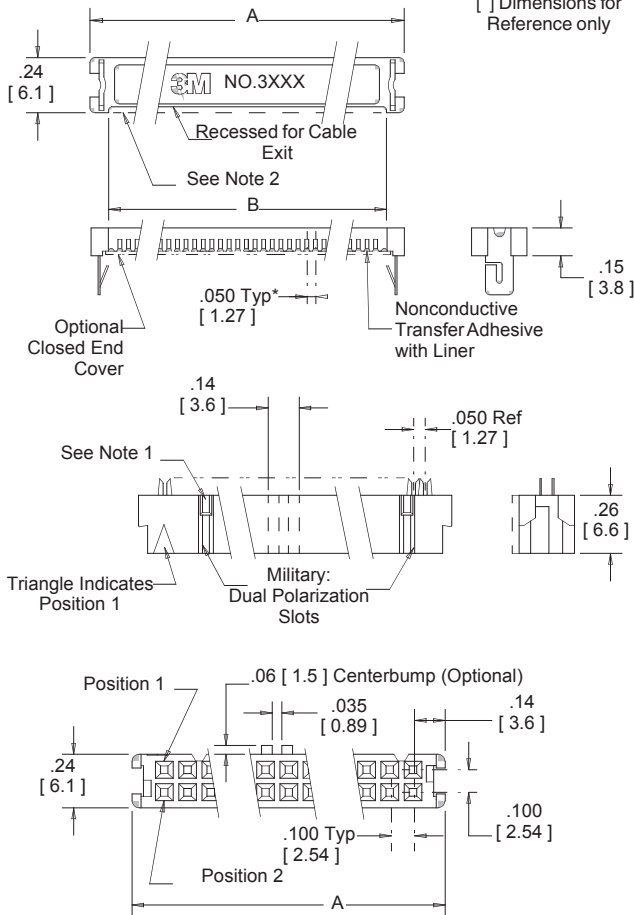
.100" × .100" for .050" Pitch Cable (Optional Plastic or Metal Strain Relief)

3000 Series



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

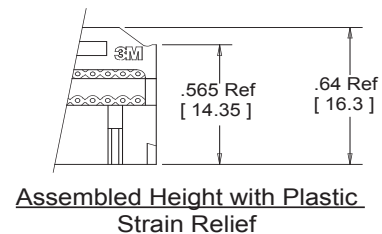
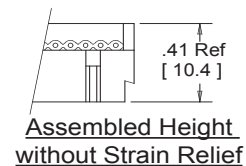
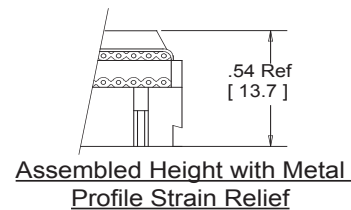
[] Dimensions for Reference only



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.

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]



Ordering Information

Sockets
XXXX-XX00 RIA (E1 & C1 Apply)

Socket Series:
 See Table for
 3M Part Number

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

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

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.

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 Sheet 2 of 3



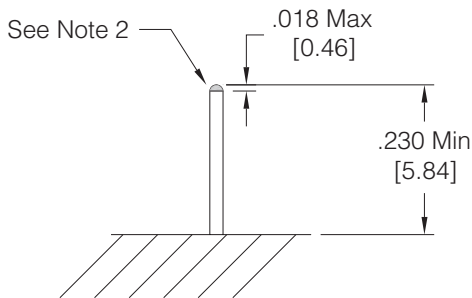
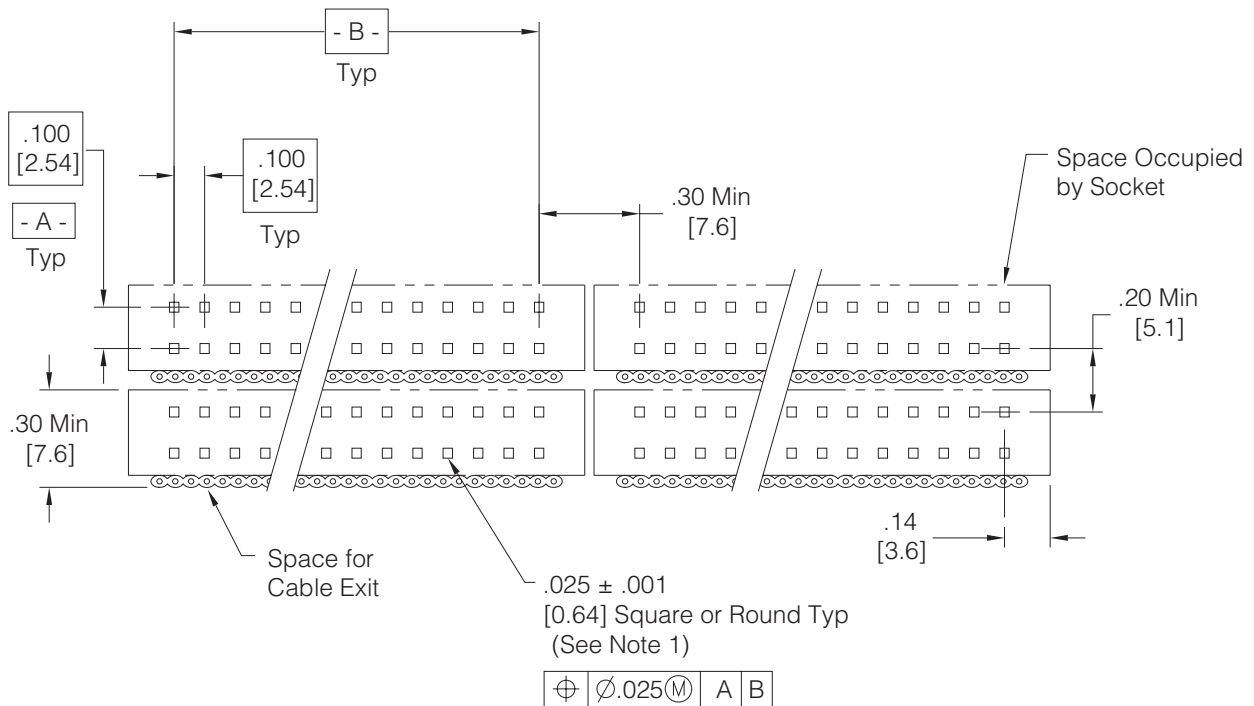
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3M™ Wiremount Socket

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

3000 Series



Recommended Post Pattern

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