

Solutions for Electronic Specialty Markets (ESM)

Product Catalog for Electronic Specialty Markets

- 3M™ Electronic Specialty Markets - New Product Releases
- 3M™ Abrasives
- 3M™ Adhesives, Cleaners & Compounds
- 3M™ Breadboards & Test Clips
- 3M™ Cable & Assemblies
- **3M™ Copper Interconnects**
- 3M™ Fiber Optics
- 3M™ Fire Protection
- 3M™ Heat Shrink
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- 3M™ Warehousing & Packaging Supplies
- 3M™ Wire Connectors

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[Printer-friendly format](#) **3M™ .100 in. Wiremount Socket, .100" x .100", 16 Contacts, 3452-6616**



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

GTIN(UPC/EAN) : 0 00 54007 33656 3
3M Id : 80-6101-2110-7

.100" x .100" for .050" Pitch Cable, Open end cover (for daisy chaining or bussing), Military and Centerbump Polarization, 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 \(PDF 1.0 MB\)](#)

[3452-6616, 3D IGES, rev. 01 - 3D Models \(ZIP 126.6 K\)](#)

[3452-6616, 3D Parasolid, rev. 01 - 3D Models \(ZIP 108.4 K\)](#)

[3452-6616, 3D Step, rev. 01 - 3D Models \(ZIP 94.6 K\)](#)

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 OpenEnds SingleRecess
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	16
Pitch	0.100 Inch
Polarization	Dual Slots & Centerbump
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

3M

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

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800-225-5373

3M™ Wiremount Socket

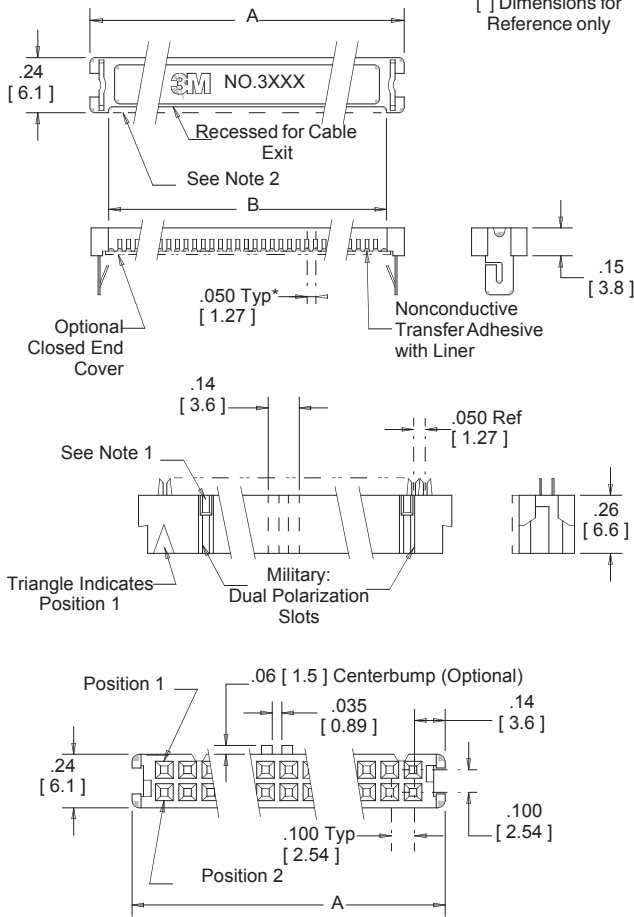
.100" × .100" for .050" Pitch Cable (Optional Plastic or Metal Strain Relief)

3000 Series



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

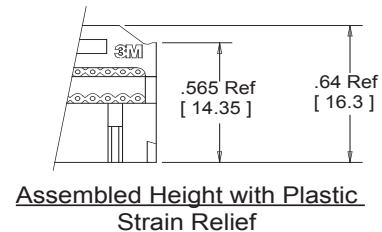
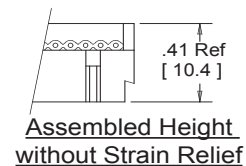
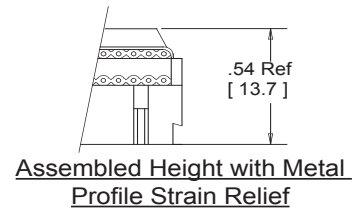
[] Dimensions for Reference only



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.

TS-0718-B
 Sheet 2 of 3



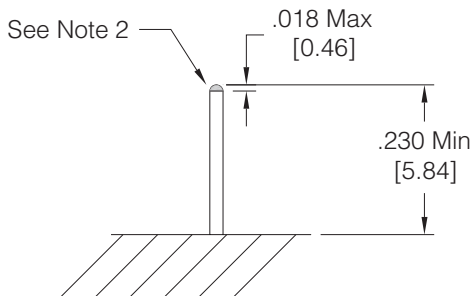
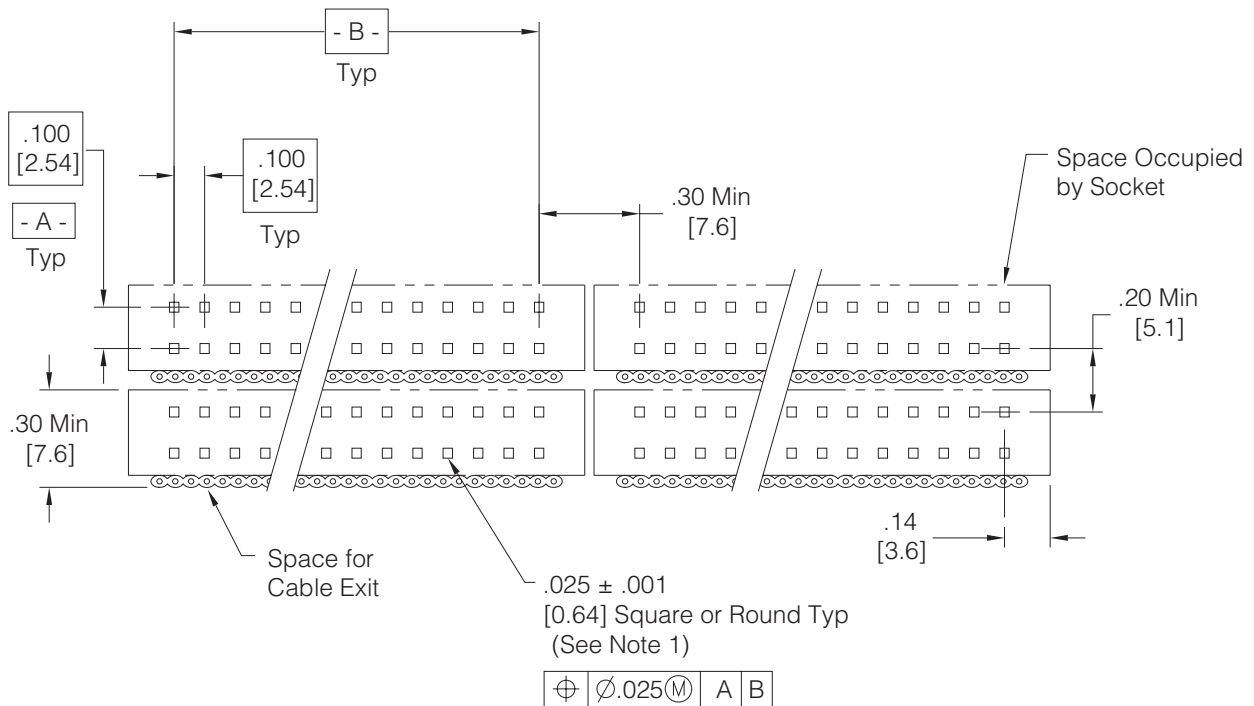
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3M™ Wiremount Socket

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

3000 Series



Recommended Post Pattern

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