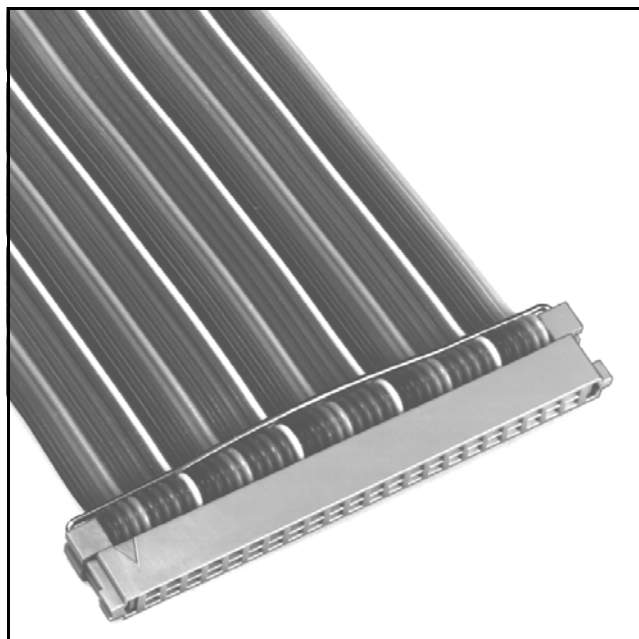


3M™ Compact Wiremount Socket

.100" × .075" for .050" Pitch Cable

501 Series



- Thin profile
- Consumes less vertical space
- Economy in system layouts
- Uses standard .050" [1.27] cable and mating pin pattern
- No change in current design
- Retro-fit with no print changes
- RoHS* compliant

Date Modified: T 3/28/2011

TS-0322-0
Sheet 1 of 2

Physical

Insulation

Material: Glass Filled Polyester (PBT)

Flammability: UL 94V-0

Color: Gray

Contact Material: Copper Alloy

Plating:

Underplating: 100 μ" [2.54 μm] Nickel

Wiping Area: 10 μ" [0.25 μm] Gold

Wire Accommodation: 28 AWG Solid or Stranded

Marking: 3M Logo, Part Number Identification 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: -40°C to +85°C

"RoHS compliant" means that the product or part does not contain any of the following substances in excess of the following maximum concentration values in any homogeneous material, unless the substance is in an application that is exempt under RoHS: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers; or (b) 0.01% (by weight) for cadmium. Unless otherwise stated by 3M in writing, this information represents 3M's knowledge and belief based upon information provided by third party suppliers to 3M.

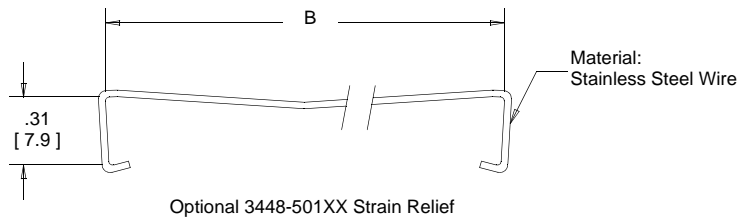
UL File No.: E68080

3M™ Compact Wiremount Socket

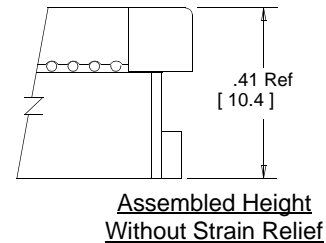
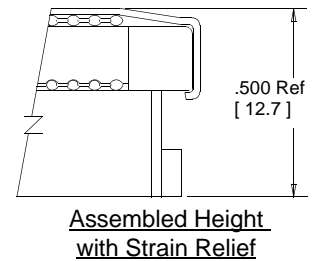
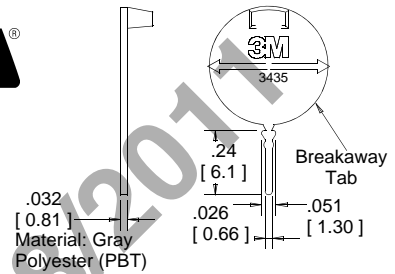
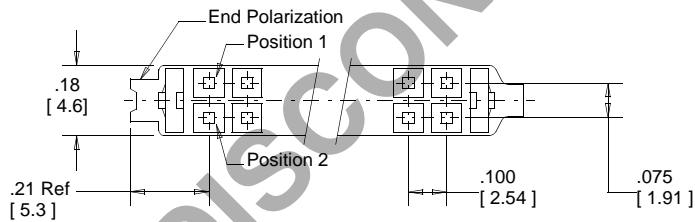
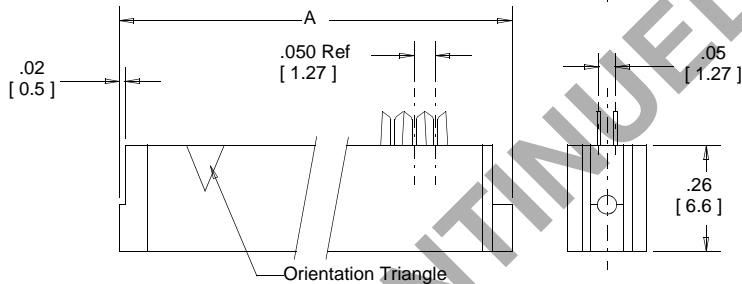
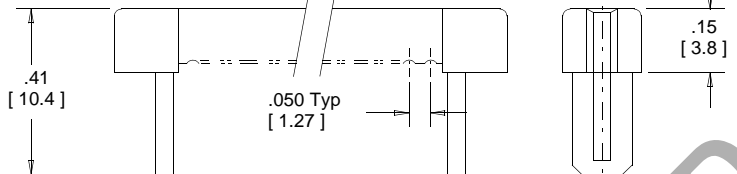
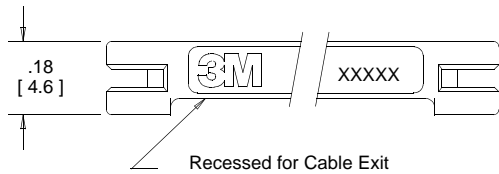
.100" × .075" for .050" Pitch Cable

501 Series

Material: Gray Polyester (PBT)



| Contact Quantity | Dimensions | |
|------------------|---------------|---------------|
| | A | B |
| 16 | 1.11 [28.3] | 0.99 [25.1] |
| 20 | 1.30 [33.0] | 1.17 [29.7] |
| 26 | 1.61 [41.0] | 1.48 [37.7] |
| 34 | 2.01 [51.0] | 1.89 [47.9] |
| 40 | 2.31 [58.7] | 2.19 [55.5] |
| 44 | 2.51 [63.8] | 2.39 [60.6] |
| 50 | 2.81 [71.4] | 2.69 [68.2] |



Inch
[mm]

| Tolerance Unless Noted | | | |
|------------------------|-----|------|-------|
| | .0 | .00 | .000 |
| inch | ±.1 | ±.01 | ±.005 |

[] Dimensions for Reference Only

Ordering Information

Socket
501XX-B000EL

Contact Quantity:
See Table

Strain Relief
(Order Separately)
3448-501XX

Contact Quantity:
See Table

Application tools: 3M™ Press, 3640 (or equivalent), 3M™ Locator Plate, 3443-110, 3M™ Platen, 3442-9.
Recommended mating to 3M™ Header, Right Angle, 502XX Series.

TS-0322-Ó
Sheet 2 of 2

DISCONTINUED 3/28/2011

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3M Electronics Solutions Division

6801 River Place Blvd.
Austin, TX 78726-9000
U.S.A.
1-800-225-5373
www.3Mconnector.com

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