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 [Printer-friendly format](#) **3M™ .100 in. Wiremount Socket, 1-Row, Side-to-Side Stackable, 9 Contacts, CHG-1009-001010-KEP .100" for .100" Pitch Notched or Discrete Wire Cable, Wire size options 22 AWG stranded and 24 AWG solid or stranded, Plating wipe area: Gold.**

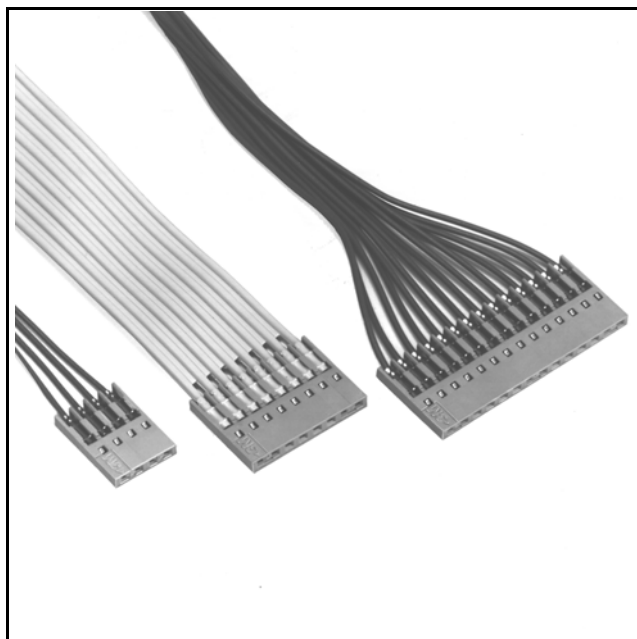
3M Id : 80-6104-1717-4

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# 3M™ Pak 100 Wiremount Socket

.100" for .100" Pitch Notched Flat Cable or Discrete Wire

CHG Series



- One row, side-to-side stackable
- Mates to 3M one row pin strip headers
- 17 standard sizes, 2-36 positions
- Twin slot IDC provides four points of contact
- Exclusive L/H 4-wipe contact
- 3435-0 keying plug is optional - order separately
- RoHS\* compliant

Date Modified: February 2, 2005

TS-0189-15  
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## Physical

### Insulation

Material: Glass Filled Polyester (PBT)

Flammability: UL 94V-0

Color: Gray

### Contact

Material: Copper Alloy

### Plating:

Option P

First Wipe Area: 30  $\mu$ " [ 0.76  $\mu$ m ] Gold - MIL-G-45204, Type II, Grade C

Second Wipe Area,

Underplating and U-Slot: 100  $\mu$ " [ 2.54  $\mu$ m ] Nickel - QQ-N-290, Class 2

Wire Accommodation: See Ordering Information for Options

Marking: 3M Logo and Orientation Triangle

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## Electrical

Current Rating: 22-24 AWG: 2 A; 26-28 AWG: 1.5 A

Insulation Resistance:  $> 1 \times 10^9 \Omega$  at 500 VDC

Withstanding Voltage: 1000 Vrms at Sea Level

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## Environmental

Temperature Rating: -55°C to +105°C

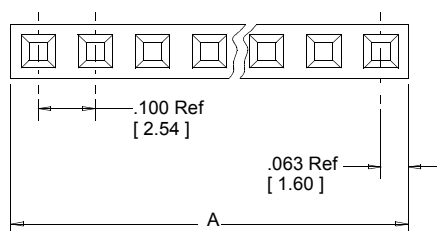
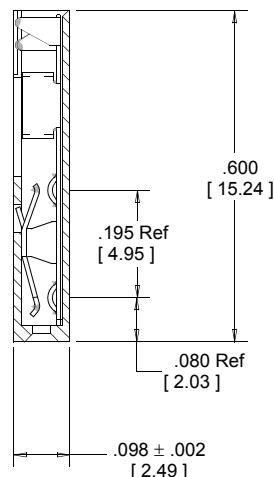
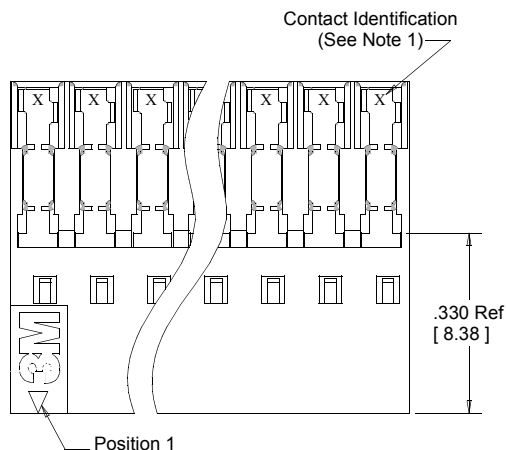
UL File No.: E68080

\*RoHS = Directive 2002/95/EC,  
Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment

# 3M™ Pak 100 Wiremount Socket

.100" for .100" Pitch Notched Flat Cable or Discrete Wire

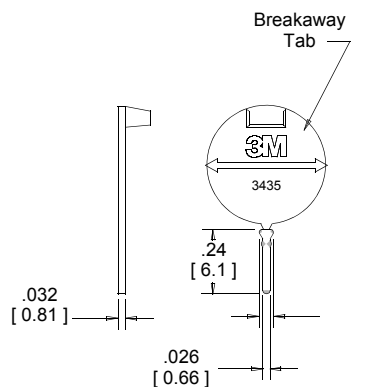
CHG Series



Inch  
[mm]

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

[ ] Dimensions for Reference Only



**3435-0 Keying Plug**

| Contact Quantity | Dimension A<br>± .006 [ ± 0.15 ] |
|------------------|----------------------------------|
| 02               | 0.225 [ 5.72 ]                   |
| 03               | 0.325 [ 8.26 ]                   |
| 04               | 0.425 [ 10.80 ]                  |
| 05               | 0.525 [ 13.34 ]                  |
| 06               | 0.625 [ 15.88 ]                  |
| 07               | 0.725 [ 18.42 ]                  |
| 08               | 0.825 [ 20.96 ]                  |
| 09               | 0.925 [ 23.50 ]                  |
| 10               | 1.025 [ 26.04 ]                  |
| 14               | 1.425 [ 36.20 ]                  |
| 15               | 1.525 [ 38.74 ]                  |
| 16               | 1.625 [ 41.28 ]                  |
| 20               | 2.025 [ 51.44 ]                  |
| 25               | 2.525 [ 64.14 ]                  |
| 28               | 2.825 [ 71.76 ]                  |
| 32               | 3.225 [ 81.92 ]                  |
| 36               | 3.625 [ 92.08 ]                  |



## Notes:

- Contact Wire size Identification:  
"6" - 26 and 28 AWG  
"2" - 22 and 24 AWG
- Insulation O.D. = .054 [ 1.37 ] Max
- Recommended to be mated to a .100" x .100" Pin Strip Header with either a .235" [ 5.97 ] or a .318" [ 8.08 ] mating pin length. 929 Series, 2400 Series and 2300 Series.
- Other sizes, polarizations and plating options are available as a special order. Higher minimum quantities and lead times will apply.

## Ordering Information

**CHG-10XX-001010-KXX**

Contact Quantity:  
See Table

Wire Size Options:  
C = 26 and 28 AWG Solid and Stranded  
E = 22 AWG Stranded and 24 AWG Solid or Stranded

\*Plating Options:  
P = Wipe Area: Gold

\*Contact is plated initially with  
100 μ" [ 2.54 μm ] Nickel

Application Tools: For discrete wire: 3586-12 Pistol Grip and 3624-41 Assembly Head For notched flat cable: 3335 press (or equivalent), 3739-CHGA Locator Plate.

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Interconnect Solutions

<http://www.3M.com/interconnects/>

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For technical, sales or ordering information call

**800-225-5373**