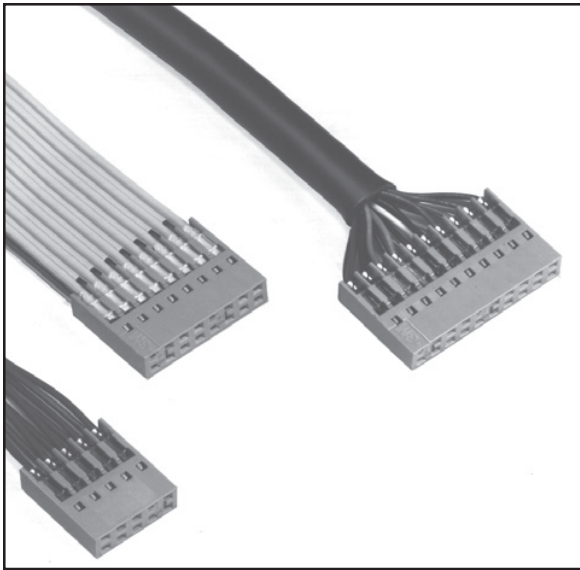


# 3M™ Wiremount Socket

.100" × .100" Two Row for .100" Pitch Notched Flat Cable or Discrete Wire CHG Series CHG Series



- Two row, side-to-side stackable
- Mates to 3M two row pin strip headers
- 14 standard sizes, 6-72 positions
- Twin slot IDC provides four points of contact
- Exclusive L/H 4-wipe contact
- 3435-0 keying plug is optional - order separately
- See the Regulatory Information Appendix (RIA) in the "RoHS compliance" section of [www.3Mconnector.com](http://www.3Mconnector.com) for compliance information (RIA E1 and C1 Apply)

Date Modified: January 26, 2011

TS-0191-B  
Sheet 1 of 2

## Physical

### Insulation:

Material: Glass Filled Polyester (PBT)

Flammability: UL 94V-0

Color: Gray

### Contact:

Material: Copper Alloy

### Plating:

Option P

First Wipe Area: 30 μ" [0.76 μm] Gold - MIL-G-45204, Type II, Grade C

Second Wipe Area,  
Underplating and U-Slot 100 μ" [ 2.54 μm ] Nickel - QQ-N-290, Class 2

Wire Accommodation: See Ordering Information for Options

Marking: 3M Logo and Orientation Triangle

## Electrical

Current Rating:	1 Line	4 Adjacent Lines	All Lines
22 AWG	4.5	3.0	1.5
24 AWG	3.75	2.5	1.25
26 AWG	3.5	2.0	1.0
28 AWG	3.5	2.0	1.0

Rating Conditions: EIA-364-070 Method 2, 30°C maximum temperature rise, 20% derated. Reference appropriate 3M Product Specification for detailed current derating curves.

Insulation Resistance:  $> 1 \times 10^9 \Omega$  at 500 V<sub>DC</sub>

Withstanding Voltage: 500 V<sub>RMS</sub> at Sea Level

## Environmental

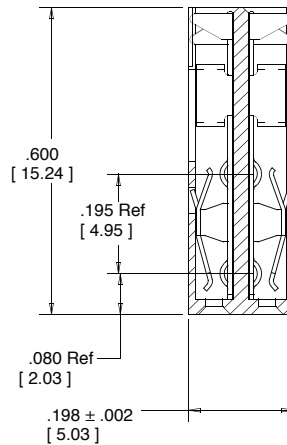
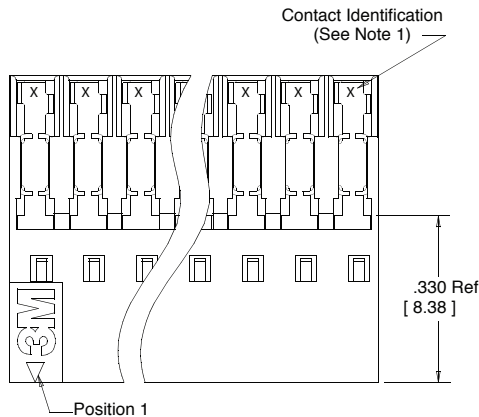
Temperature Rating: -55°C to +105°C

UL File No.: E68080

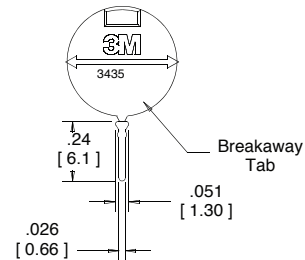
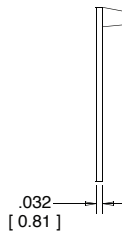
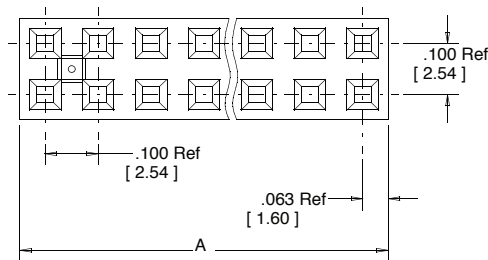
\*RoHS = Directive 2002/95/EC,  
Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment

# 3M™ Wiremount Socket

.100" x .100" Two Row for .100" Pitch Notched Flat Cable or Discrete Wire CHG Series CHG Series



Contact Quantity	Dimension A ± .006 [ ± 0.15 ]
06	0.325 [ 8.26 ]
08	0.425 [ 10.80 ]
10	0.525 [ 13.34 ]
14	0.725 [ 18.42 ]
16	0.825 [ 20.96 ]
20	1.025 [ 26.04 ]
26	1.325 [ 33.66 ]
30	1.525 [ 38.74 ]
34	1.725 [ 43.82 ]
40	2.025 [ 51.44 ]
46	2.325 [ 59.06 ]
50	2.525 [ 64.14 ]
60	3.025 [ 76.84 ]
72	3.625 [ 92.08 ]



**3435-0 Keying Plug**  
(Optional)

**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.

	Inch [mm]		
	Tolerance Unless Noted		
	.0	.00	.000
Inch	±.1	±.01	±.005

[ ] Dimensions for Reference Only



## Ordering Information

**CHG-20XX-001010-KXX**

Contact Quantity  
(See Table 1)

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.  
For notched flat cable: 3335 Press (or equivalent), 3739-CHGA Locator Plate.

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Sheet 2 of 2

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