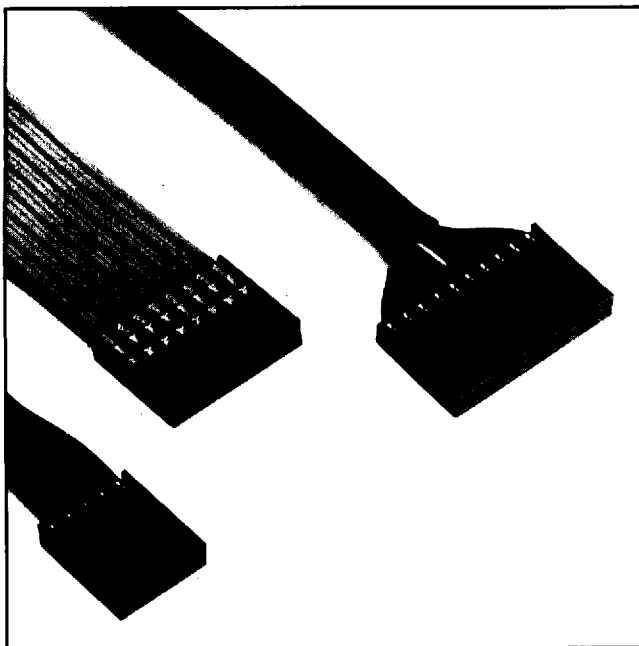


# .100" × .100" Wiremount Socket

.100" Pitch Notched 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
- Two plating options
- 3435-0 keying plug is optional — order separately

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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 & U-Slot: 100  $\mu$ " [ 2.54  $\mu$ m ] Nickel — QQ-N-290, Class 2  
Option R  
First & Second Wipe Area: 100  $\mu$ " [ 2.54  $\mu$ m ] Tin Lead — MIL-P-81728  
First & Second  
Underplating & U-Slot: 100  $\mu$ " [ 2.54  $\mu$ m ] Nickel — QQ-N-290, Class 2  
**Wire Accommodation:** See Ordering Information for Options  
**Marking:** 3M Logo, Part Identification and Orientation Triangle




## 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

## Environmental

**Temperature Rating:**  $-55^\circ\text{C}$  to  $+105^\circ\text{C}$

UL File No.: E68080

3M Electronic Products Division  19F  9035312 0004313 T18 

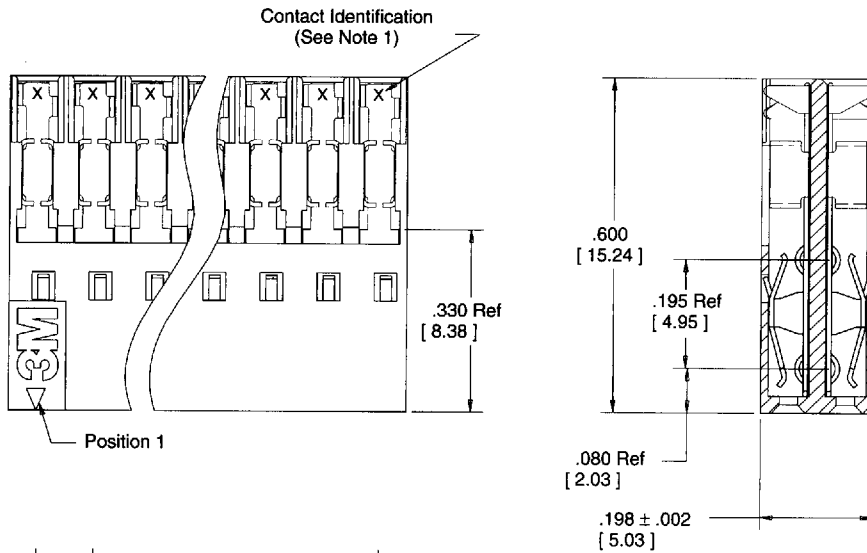
<http://www.3M.com/interconnects/>

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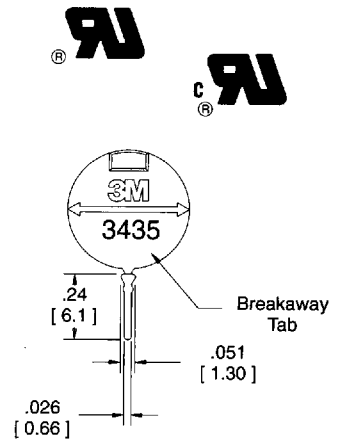
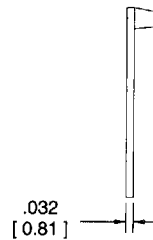
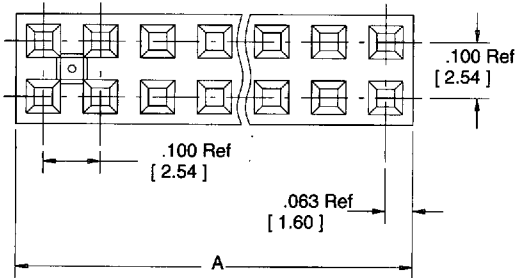
For technical, sales or ordering information call  
800-225-5373

**.100" × .100" Wiremount Socket**  
**.100" Pitch Notched Cable or Discrete Wire**

**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 ]



**Notes:**

1. Contact Wire size Identification: "6" – 26 and 28 AWG  
"2" – 22 and 24 AWG
2. Insulation O.D. = .054 [ 1.37 ] Max
3. 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.
4. 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

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  
R = Entire Contact: Tin Lead

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

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Sheet 2 of 2