# 3M<sup>™</sup> Polarized Wiremount Socket

.100" × .100" 2 row for .100" Pitch Notched Flat Cable or Discrete Wire

**CHG Series** 



- Military/DIN 41612 compatibility
- Two row, polarized body
- Mates to 3M long latch/eject headers and plugs
- 12 standard sizes, 10-64 positions
- Twin slot IDC provides four points of contact
- Exclusive L/H 4-wipe contact
- 3435-0 keying plug is optional order separately
- · Accepts discrete wire or notched ribbon cable
- See the Regulatory Information Appendix (RIA) in the "RoHS compliance" section of www.3Mconnectors.com for compliance information (RIA E1 and C1 Apply)

Date Modified: January 2, 2012

TS-0192-D 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:  $30 \,\mu$ " [0.76  $\mu$ m] Gold

Second Wipe Area, Underplating and U-Slot

 $100\,\mu^{\text{\tiny H}}$  [  $2.54\,\mu m$  ] Nickel

Wire Accommodation: See Ordering Information for Options

Marking: 3M Logo and Orientation Triangle

## **Electrical**

<b>Current Rating:</b>	1 Line	4 Adjacent Lines	All Lines
22 AWC	4.5	3.0	1.5

 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:  $> 1 \times 10^9$  at  $500 \, V_{DC}$ Withstanding Voltage:  $500 \, V_{RMS}$  at Sea Level

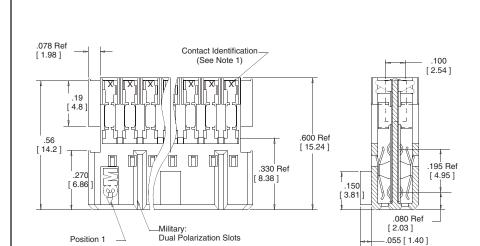
### **Environmental**

**Temperature Rating:** -55°C to +105°C

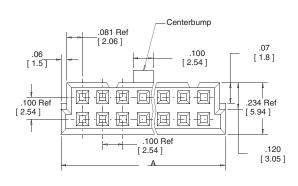
UL File No.: E68080

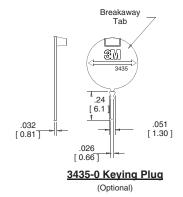
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Contact Quantity	Dimension A ± .006 [ ± 0.15 ]
10	0.680 [ 17.27 ]
14	0.880 [ 22.35 ]
16	0.980 [ 24.89 ]
20	1.180 [ 29.97 ]
24	1.380 [ 35.05 ]
26	1.480 [ 37.59 ]
30	1.680 [ 42.68 ]
34	1.880 [ 47.75 ]
40	2.180 [ 55.37 ]
50	2.680 [ 68.07 ]
60	3.180 [ 80.77 ]
64	3.380 [ 85.85 ]





#### Inch [mm]

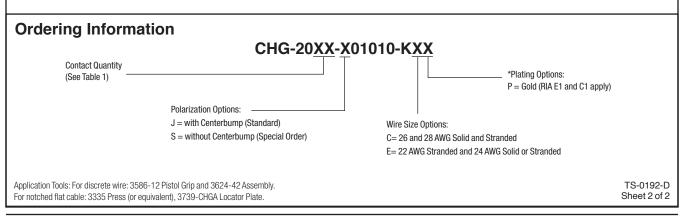
Tolerance Unless Noted				
·	.0	.00	.000	
Inch	±.1	±.01	±.005	

[] Dimensions for Reference Only

#### Notes:

- 1. Contact Wire size Identification:
  - "6" 26 and 28 AWG
  - "2" 22 and 24 AWG
- 2. Insulation 0.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.





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