3M[™] 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 μ" [0.76 μm] Gold

Second Wipe Area, Underplating and U-Slot

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

Wire Accommodation: See Ordering Information for Options

Marking: 3M Logo and Orientation Triangle

Electrical

Current Rating:	1 Line	4 Adjacent Lines	All Lines
22 AWC	G 4.5	3.0	1.5

22 AWO	4.5	5.0	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

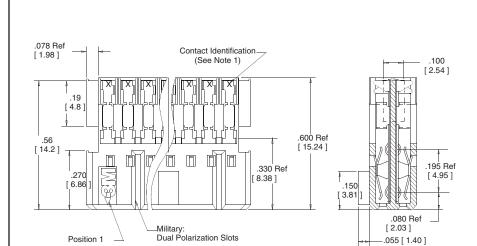
Environmental

Temperature Rating: -55°C to +105°C

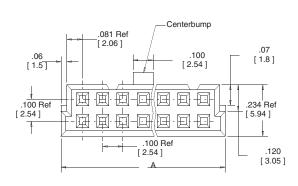
UL File No.: E68080

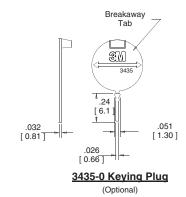
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Contact Quantity	Dimension A ± .006 [± 0.15]	
10	0.680 [17.27]	
14	0.880 [22.35]	
16	0.980 [24.89]	
20	1.180 [29.97]	
24	1.380 [35.05]	
26	1.480 [37.59]	
30	1.680 [42.68]	
34	1.880 [47.75]	
40	2.180 [55.37]	
50	2.680 [68.07]	
60	3.180 [80.77]	
64	3.380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





Inch [mm]

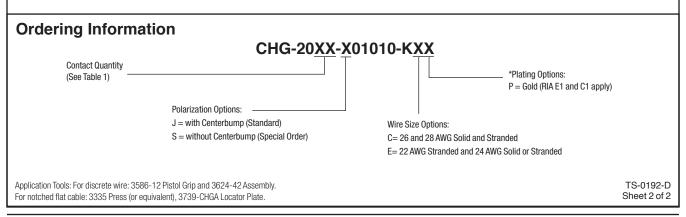
Tolerance Unless Noted				
	.0	.00	.000	
Inch	±.1	±.01	±.005	

[] 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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