

3M™ 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
- See the Regulatory Information Appendix (RIA) in the "RoHS compliance" section of www.3Mconnector.com for compliance information (RIA E1 and C1 Apply)

Date Modified: June 21, 2012

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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 μ " [0.76 μ m] Gold - MIL-G-45204, Type II, Grade C

Second Wipe Area,
Underplating and U-Slot 100 μ " [2.54 μ m] 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_{DC}

Withstanding Voltage: 500 V_{RMS} 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

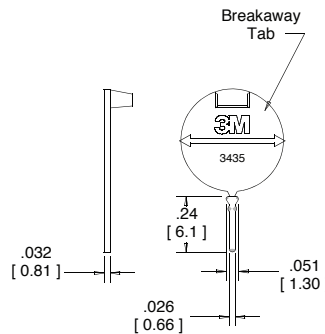
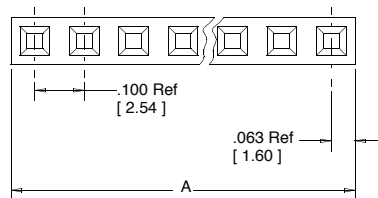
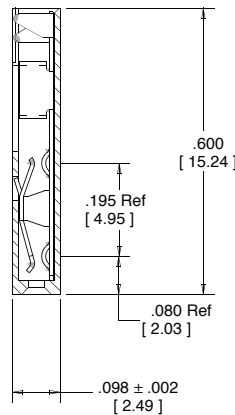
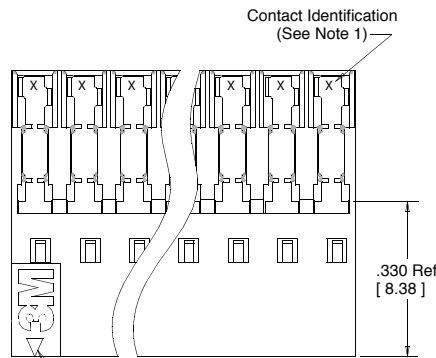
Electronic Solutions Division
Interconnect Solutions
<http://www.3Mconnector.com>

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CHG Series



3435-0 Keving Plug

| Contact Quantity | Dimension A ± .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.

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

[] Dimensions for Reference Only



Ordering Information

CHG-10XX-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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RIA-2217B-E



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