

3M Worldwide : Canada : Electronics Manufacturing

Product Catalog for Electronics Manufacturing > 3M[™] Telecommunications OEM Center . . . 3M[™] .100" x .100" Polarized Wiremount Socket, CHG Series > 3M[™] .100" x .100" Polarized Wiremount Socket, 30 Contacts, CHG-2030 Series >

□ Printer-friendly format 3MTM .100 in. Wiremount Socket, 2-Row, Polarized Body, 30 Contacts, CHG-2030-J01010-KCP

.100" x .100" Two Row for .100" Pitch Notched or Discrete Wire Cable, Polarization option with centerbump (standard), Wire size options 26 and 28 AWG solid and stranded, Plating wipe area: Gold.

3M Id: 80-6103-7343-5

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Legal Information

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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 Regulatory Information Appendix (RIA) for chemical compliance information

Date Modified: July 19, 2007

TS-0192-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: $30 \mu'' [0.76 \mu m]$ Gold

Second Wipe Area,

Underplating and U-Slot: $100 \mu''$ [$2.54 \mu m$] Nickel

Wire Accommodation: See Ordering Information for Options

Marking: 3M Logo 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 V_{DC} Withstanding Voltage: 1000 V_{RMS} at Sea Level

Environmental

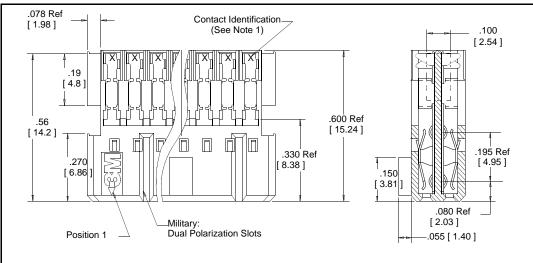
Temperature Rating: -55°C to +105°C

UL File No.: E68080

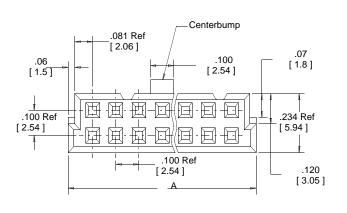
3M[™] Polarized Wiremount Socket

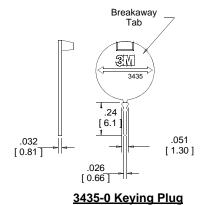
.100" × .100" 2 row for .100" Pitch Notched Flat Cable or Discrete Wire

CHG Series



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]



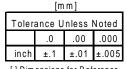


Inch

(Optional)

Notes:

- 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.
- Other sizes, polarizations and plating options are available as a special order. Higher minimum quantities and lead times will apply.



[] Dimensions for Reference Only



Ordering Information CHG-20XX-X01010-KXX Contact Quantity: Wire Size Options: Polarization Options: *Plating Options: P = Gold (RIA E1 and C1 apply) See Table J = with Centerbump (Standard) C = 26 and 28 AWG Solid and Stranded S = without Centerbump (Special E = 22 AWG Stranded and 24 AWG Solid or Stranded Application Tools: For discrete wire: 3586-12 Pistol Grip and 3624-42 Assembly. TS-0192-B Sheet 2 of 2 For notched flat cable: 3335 Press (or equivalent), 3739-CHGA locator plate.