



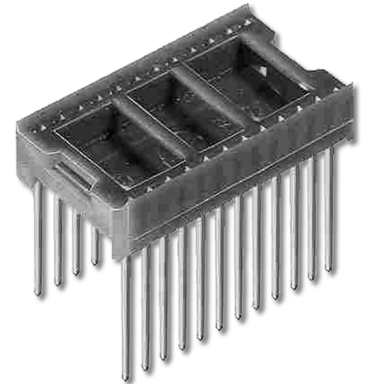
Series 501 Standard DIP Socket w/Bifurcated Contacts & Wire Wrap Pins

FEATURES

- Bifurcated Contacts in Standard DIP Sockets with Solder Tails or Wire Wrap Pins

GENERAL SPECIFICATIONS

- STANDARD BODY:** Black UL 94V-0 Glass-filled 4/6 Nylon
- BIFURCATED CONTACTS:** Grade A Spring-tempered Phosphor Bronze per QQ-B-750
- PIN PLATING:** 10 μ [0.25 μ] min. Au per MIL-G-45204 over 50 μ [1.27 μ] min. Ni per SAE AMS-QQ-N-290B; **-OR-** 200 μ [5.08 μ] min. matte Sn per ASTM B545-97(2004)e1 over 50 μ [1.27 μ] min. Ni per SAE AMS-QQ-N-290B; **-OR-** 200 μ [5.08 μ] min. 90/10 Sn/Pb per MIL-T-10727 Type 1 over 50 μ [1.27 μ] min. Ni per SAE AMS-QQ-N-290B
- CONTACT CURRENT RATING:** 1.5 amps
- INSERTION FORCE:** 110g/pin average
- WITHDRAWAL FORCE:** 75g/pin average
- OPERATING TEMPERATURE:** -67°F to 221°F [-55°C to 105°C] Sn; -67°F to 257°F [-55°C to 125°C] Au
- LEADS ACCEPTED:** Flat leads up to 0.014 thick x 0.020 wide [0.36-0.51], Round leads up to 0.020 [0.51] dia.
- LEAD LENGTHS:** from seating plane from 0.075-0.160 [1.91-4.06]

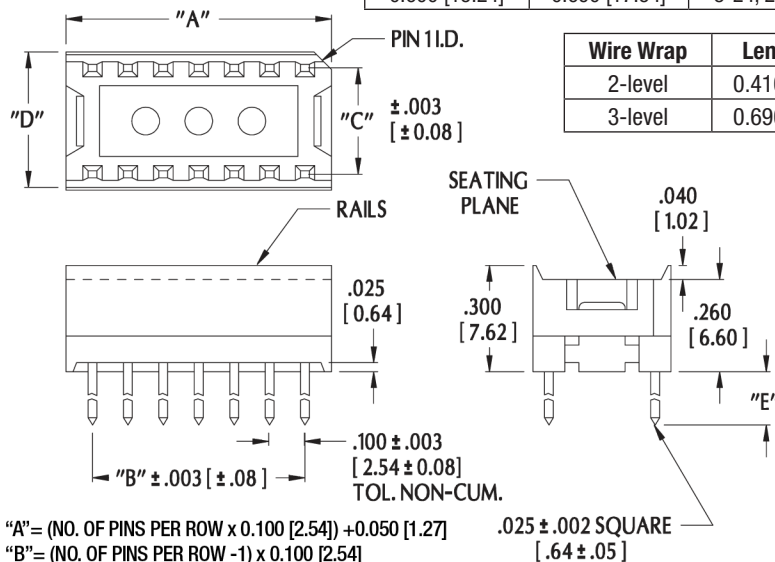


MOUNTING CONSIDERATIONS

- SUGGESTED PCB HOLE SIZE:** 0.045 \pm 0.002 [1.12 \pm 0.05] dia.

Centers "C"	Width "D"	Available Sizes
0.200 [5.08]	0.290 [7.36]	8, 10
0.300 [7.62]	0.390 [9.90]	8, 14-20
0.400 [10.16]	0.490 [12.45]	22
0.600 [15.24]	0.690 [17.54]	8-24, 28-40, 48

Wire Wrap	Length "E"
2-level	0.410 [10.41]
3-level	0.690 [17.52]



ORDERING INFORMATION

XX-X 501-X XXX XX

- Rails Option**
WR = Without Rails
- Plating**
0 = Sn
1 = Au
OTL = Sn/Pb
- Termination**
2 = 2-level Wire Wrap
3 = 3-level Wire Wrap
- Series**
- Row-to-Row Spacing (Dim. "C")**
2 = 0.200 [5.08]
3 = 0.300 [7.62]
4 = 0.400 [10.16]
6 = 0.600 [15.24]
- No. of Pins**
(See Table)

ALL DIMENSIONS: INCHES [MILLIMETERS]
 ALL TOLERANCES: \pm 0.005 [0.13] UNLESS OTHERWISE SPECIFIED
 FOR SOLDER PIN TAILS, SEE [DATA SHEETS 12004](#)
 CONSULT FACTORY FOR OTHER SIZES AND CONFIGURATIONS

CUSTOMIZATION: ARIES SPECIALIZES IN CUSTOM DESIGN AND PRODUCTION.
 SPECIAL MATERIALS, PLATINGS, SIZES, AND CONFIGURATIONS CAN BE
 FURNISHED, DEPENDING ON QUANTITY.

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 Rev. 4.2
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