



# 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

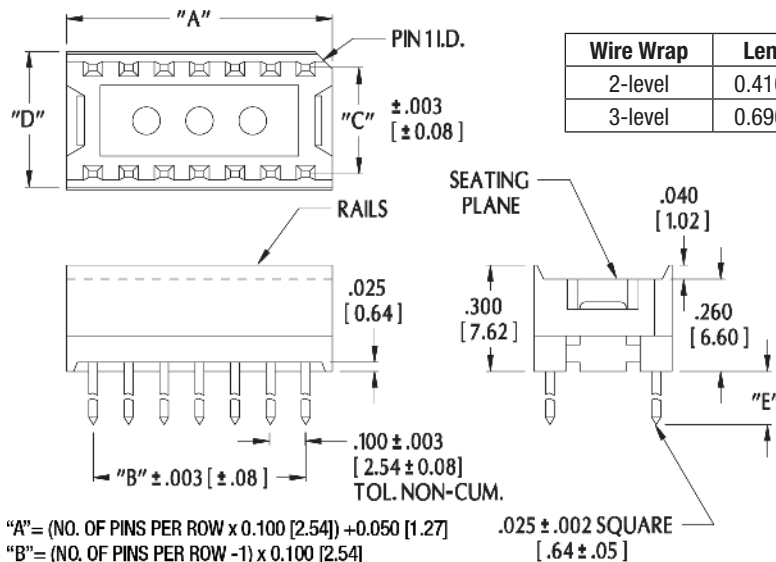
- STANDARD BODY:** Black UL 94V-0 Glass-filled 4/6 Nylon
- BIFURCATED CONTACTS:** Grade A Spring-tempered Phosphor Bronze per QQ-B-750
- PIN PLATING:** 10μ [0.25μ] min. Au per MIL-G-45204 over 50μ [1.27μ] min. Ni per SAE AMS-QQ-N-290B; **-OR-** 200μ [5.08μ] min. matte Sn per ASTM B545-97(2004)e1 over 50μ [1.27μ] min. Ni per SAE AMS-QQ-N-290B; **-OR-** 200μ [5.08μ] min. 90/10 Sn/Pb per MIL-T-10727 Type 1 over 50μ [1.27μ] 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 ±0.002 [1.12 ±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        |
| 0.600 [15.24] | 0.690 [17.54] | 8-24, 28-40, 48 |



## 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]  
6 = 0.600 [15.24]
- No. of Pins**  
(See Table)

ALL DIMENSIONS: INCHES [MILLIMETERS]  
 ALL TOLERANCES: ±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.  
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 FURNISHED, DEPENDING ON QUANTITY.

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