



# 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

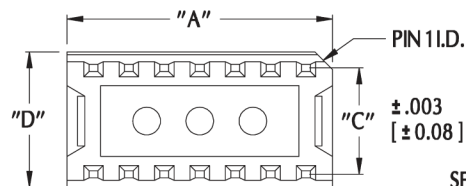
## GENERAL SPECIFICATIONS

- 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]

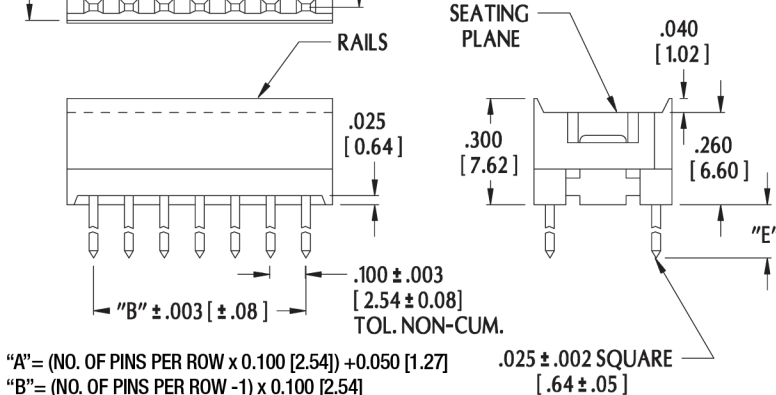
## MOUNTING CONSIDERATIONS

- 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 |



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



"A" = (NO. OF PINS PER ROW x 0.100 [2.54]) + 0.050 [1.27]  
"B" = (NO. OF PINS PER ROW - 1) x 0.100 [2.54]

.025 ±.002 SQUARE  
[.64 ±.05]

## ORDERING INFORMATION

XX-X 501-X XXX XX

Rails Option  
WR = Without Rails

Plating  
0 = Sn  
1 = Au  
OTL = Sn/Pb

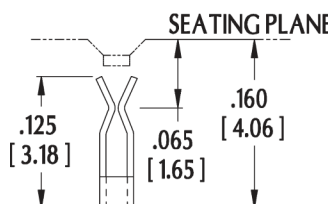
Termination  
2 = 2-level Wire Wrap  
3 = 3-level Wire Wrap

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)

## CONTACT DETAIL



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

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