# 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
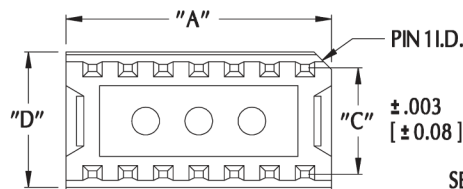
GENERAL SPECIFICATIONS

- **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.
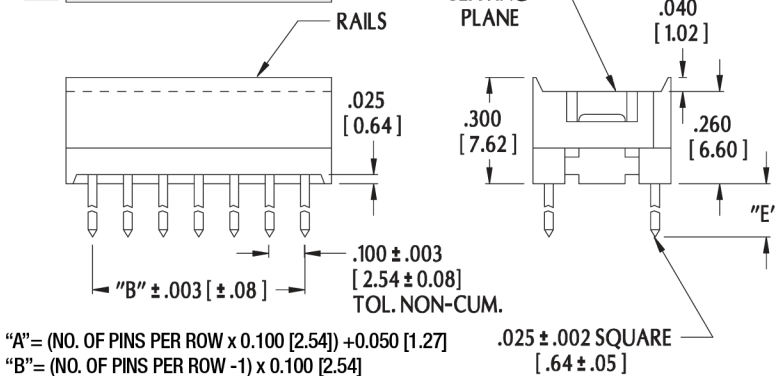- **LEAD LENGTHS:** from seating plane from 0.075-0.160 [1.91-4.06]
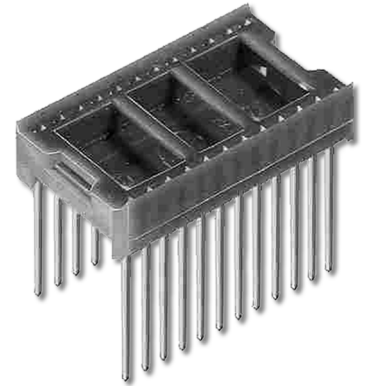
MOUNTING CONSIDERATIONS

- **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
  - 0TL = 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)

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

.025 [0.64]

.040 [1.02]

.300 [7.62]

.260 [6.60]

.100 ±.003 [2.54 ±0.08] TOL. NON-CUM.

"B" ±.003 [±.08]

.025 ±.002 SQUARE [.64 ±.05]

±.003 [±0.08]

CONTACT DETAIL

SEATING PLANE

.125 [3.18] .065 [1.65] .160 [4.06]

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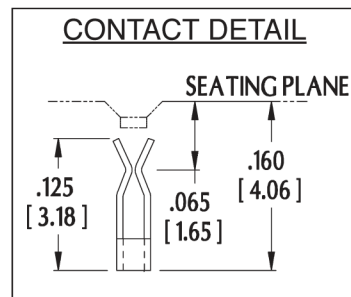
ALL DIMENSIONS: INCHES [MILLIMETERS]
ALL TOLERANCES: ±0.005 [0.13] UNLESS OTHERWISE SPECIFIED
FOR SOLDER PIN TAILS, SEE DATA SHEETS 12004
CONSULT FACTORY FOR OTHER SIZES AND CONFIGURATIONS

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