



# Series 511 Standard DIP Socket w/Bifurcated Contacts & Solder Pin Tails

## FEATURES

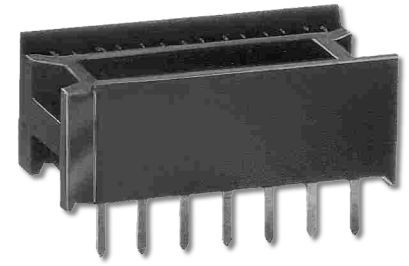
- Bifurcated Contacts with Solder Tail or Wire Wrap Pins

## 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:** 50-130 $\mu$  min. matte Sn per ASTM B545-97(2004)e1 over 50 $\mu$  Ni per SAE AMS-QQ-N-290B; -OR- 50-130 $\mu$  90/10 Sn/Pb per MIL-T-10727 Type 1 over 50 $\mu$  Ni per SAE AMS-QQ-N-290B; -OR- 10 $\mu$  [0.25 $\mu$ ] min. Au per MIL-G-45204 over 50 $\mu$  Ni per SAE AMS-QQ-N-290B
- CONTACT CURRENT RATING:** 1 amp
- OPERATING TEMPERATURE:** -67°F to 221°F [-55°C to 105°C] Sn; -67°F to 257°F [-55°C 125°C] Au
- INSERTION FORCE:** 110g/pin average
- WITHDRAWAL FORCE:** 75g/pin average
- ACCEPTS LEADS:** Flat up to 0.014 thick x 0.020 wide [0.36 x 0.51], Round up to 0.020 [0.51] dia.
- LEAD LENGTHS:** accepts lengths from seating plane from 0.075-0.160 [1.91-4.06]

## MOUNTING CONSIDERATIONS

- SUGGESTED PCB HOLE SIZE:** 0.035  $\pm$  0.002 [0.89  $\pm$  0.05] dia.



## ORDERING INFORMATION

XX-X 511-X XXX XX

Rails Option  
WR = Without Rails

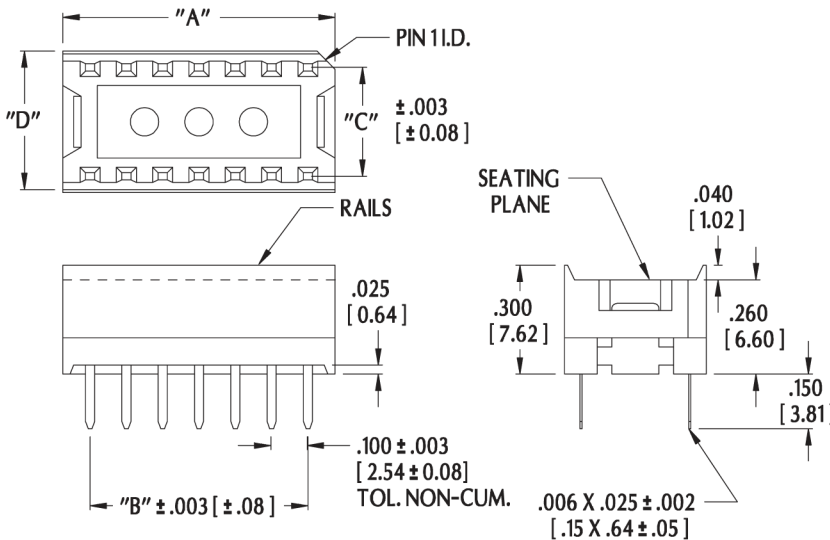
Plating  
0 = Sn  
1 = Au  
OTL = Sn/Pb

Termination  
1 = Solder Pin Tail

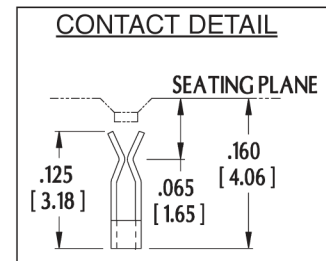
Series

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)



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



ALL DIMENSIONS: INCHES [MILLIMETERS]  
ALL TOLERANCES:  $\pm$ 0.005 [0.13] UNLESS OTHERWISE SPECIFIED  
FOR WIRE WRAP PINS, SEE DATA SHEETS 12005  
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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