



# Series 511 Standard DIP Sockets with Solder Tail Bifurcated Contacts

## FEATURES:

- Standard DIP sockets are available with solder tail or wire wrap pins, all with bifurcated contacts. Consult Data Sheet No. 12005 for wire wrap pins.
- Aries offers these standard DIP sockets in more sizes than any other manufacturer.

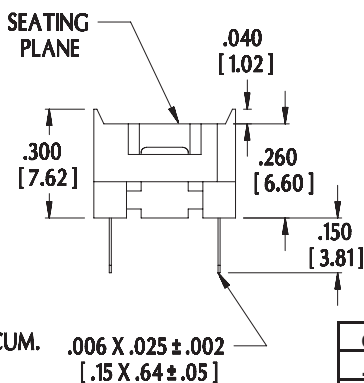
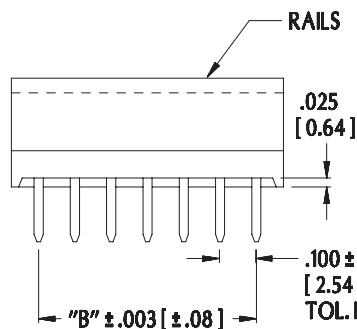
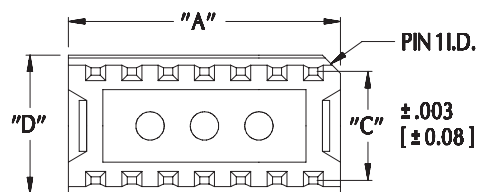
## SPECIFICATIONS:

- Standard body material is black UL 94 V-0 Glass-filled 4/6 Nylon.
- Bifurcated contacts are Grade A spring-tempered Phosphor Bronze per QQ-B-750.
- Pin plating is:  
**0** = 50-130μ" min Matte Tin per ASTM B545-97 over 50μ" Nickel per SAE-AMS-QQ-N-290.  
**0TL** = 50-130μ" 90/10 Tin/Lead per MIL-T-10727 Type 1 over 50μ" Nickel per SAE-AMS-QQ-N-290.  
**1** = 10μ" min. Gold per MIL-G-45204 over 50μ" Nickel per SAE-AMS-QQ-N-290.
- Contact current rating=1 Amp.
- Operating Temp. = -67°F to 221°F [-55°C to 105°C] Tin  
 = -67°F to 257°F [-55°C 125°C] Gold
- Insertion Force=110 grams/pin average; Withdrawal Force=75 grams/pin average.
- Accepts flat leads up to .014 thk. x .020 wide [.36 x .51], round leads up to .020 [.51] in diameter.
- Socket accepts lead lengths from seating plane from .075-.160 [1.91-4.06].

## Mounting Considerations:

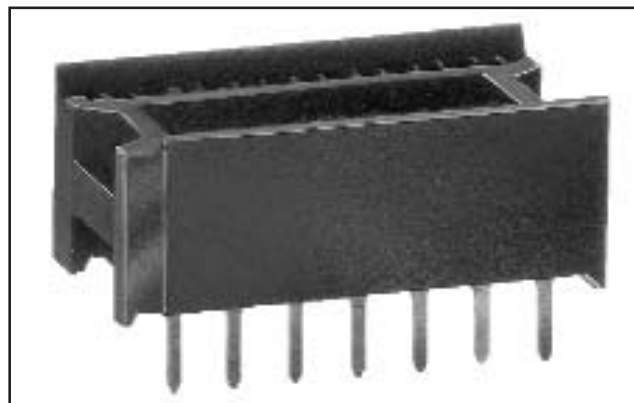
- Suggested PCB hole size=.035 ± .002 [.89 ± .05]. dia.

**ALL DIMENSIONS: INCHES [MILLIMETERS]**



All tolerances ± .005 [.13] unless otherwise specified

"A"=(NO. OF PINS PER ROW X .100 [2.54]) + .050 [1.27]  
 "B"=(NO. OF PINS PER ROW - 1) X .100 [2.54]



Note: Aries specializes in custom design and production. In addition to the standard products shown on this page, special materials, platings, sizes, and configurations can be furnished, depending on quantities. Aries reserves the right to change product specifications without notice.

## ORDERING INFORMATION

**XX-X511-1XXXXX**

No. of pins  
(see table)

Row-to-row spacing:

2: "C"=.200 [5.08]  
 3: "C"=.300 [7.62]  
 4: "C"=.400 [10.16]  
 6: "C"=.600 [15.24]

Series

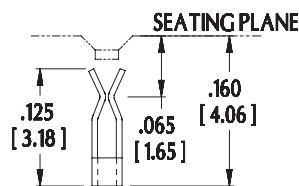
Optional suffix:  
WR=Without rails

Plating:  
0=Tin  
1=Gold  
0TL = Tin/Lead

Solder tail pin

Consult Data Sheet No. 12005 for standard DIP sockets with wire wrap bifurcated contacts.

## CONTACT DETAIL



| Centers "C"  | Width "D"    | Available Sizes |
|--------------|--------------|-----------------|
| .200 [5.08]  | .290 [7.36]  | 8, 10           |
| .300 [7.62]  | .390 [9.90]  | 8, 14-20        |
| .400 [10.16] | .490 [12.45] | 22              |
| .600 [15.24] | .690 [17.54] | 8-24, 28-40, 48 |



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12004  
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