



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 red UL 94-HB Glass-filled Nylon.
- High temperature body material is black UL 94v-0 4/6 Nylon.
- Bifurcated contacts are Grade A spring-tempered Phosphor Bronze per QQ-B-750.
- Contact plating is either 50-150 μ [1.27-3.81 μ m] 60/40 Tin/Lead Alloy, or 10 μ [.25 μ m] min. Gold per MIL-G-45204 over 50 μ [1.27 μ m] min. Nickel per QQ-N-290.
- Contact current rating=1 Amp.
- Operating temperature=221°F [105°C] Tin plating, =257°F [125°C] Gold plating.
- 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:

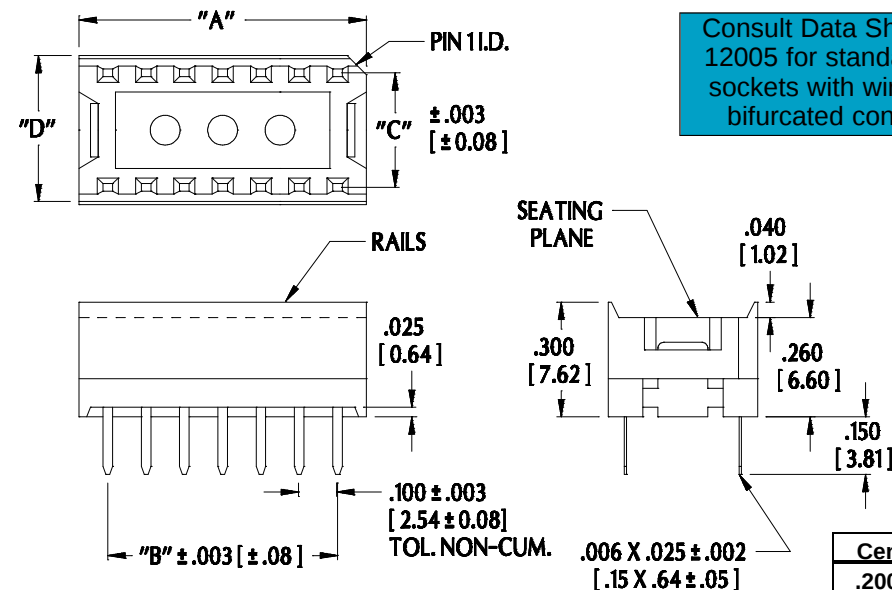
- Suggested PCB hole size=.035 $\pm$.002 [.89 $\pm$.05]. dia.

ALL DIMENSIONS: INCHES [MILLIMETERS]

All tolerances $\pm$.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]



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

ORDERING INFORMATION

XX-X511-1XXX				Optional suffix:
No. of pins (see table)	Series	Plating: 0=Tin 1=Gold	WR=Without rails V0=UL 94V-0 plastic	
Row-to-row spacing: 2: "C"=.200 [5.08] 3: "C"=.300 [7.62] 4: "C"=.400 [10.16] 6: "C"=.600 [15.24]				Solder tail pin

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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REV. B