



Series 0511 Strip-Line Sockets with Bifurcated Contact Solder Tail Pins

FEATURES:

- For mounting liquid crystal displays and other high pin count or odd centered components.
- Available in several sizes with bifurcated contacts in solder tail or wire wrap pins. Consult Data Sheet No. 12009 for wire wrap pins.
- Optional spacer available for mounting on .300 [7.62], .600 [15.24], .900 [22.86], 1.100 [27.94], and 1.300 [33.02] centers. Consult factory for other sizes.

SPECIFICATIONS:

- Body is Black UL 94-V0 Glass-filled 4/6 Nylon.
- Pin is Grade A Phosphor Bronze per QQ-B-750.
- Optional spacer is FR-406, .032 [.81] thick.
- Pin plating is :
 $0 = 50-130\mu$ min. Matte Tin per ASTM B545-97 over 50μ Nickel per SAE-AMS-QQ-N-290.
 $OTL = 50-130\mu$ 90/10 Tin/Lead per MIL-T-10727 Type 1 over 50μ Nickel per SAE-AMS-QQ-N-290.
 $1 = 10\mu$ min. Gold per MIL-G-45204 over 50μ Nickel per SAE-AMS-QQ-N-290.
- Current rating=1 Amp.
- Operating temperature= -67°F to 221°F [-55°C to 105°C] Tin & Tin/Lead plating,
 =-67°F to 257°F [-55°C to 125°C] Gold.

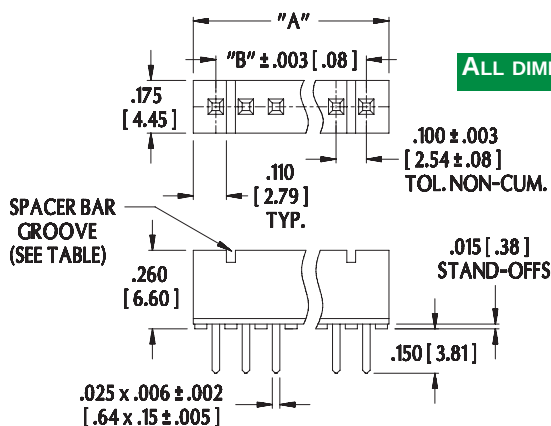
- Insertion Force=110 grams/pin average; Withdrawal Force=75 grams/pin average.
- Accepts flat leads up to .014 x .020 wide [.36-.51], round leads up to .020 [.51] in diameter.
- Socket accepts lead lengths from seating plane .080-.160 [2.03-4.06].

MOUNTING CONSIDERATIONS:

- Suggested PCB hole size=.036 ± .002 [.91 ± .05] dia.

"A"=(NO. OF PINS X .100 [2.54]) + .050 [1.27]

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

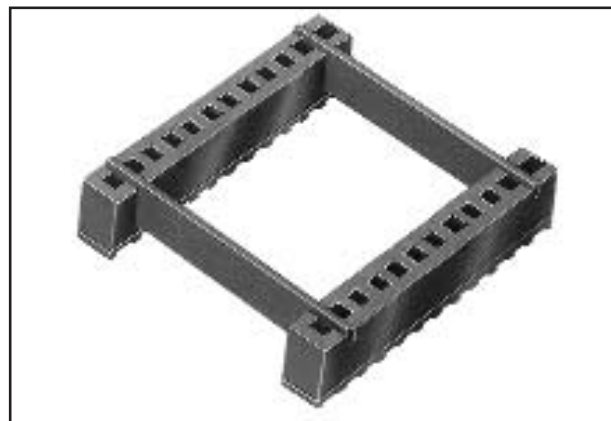


No. of Pins	No. of Grooves
20	2
25	2
30	2
34	3
40	2

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

Other sizes available. Consult factory.

SPACER BAR



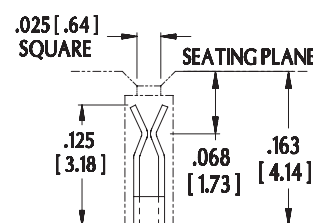
Note: Aries specializes in custom design and production. In addition to the standard products shown on this page, special materials, platings, sizes, and configurations can be furnished, depending on quantities. Aries reserves the right to change product specifications without notice.

ORDERING INFORMATION

XX-0511-1XXX Plating:
 No. of pins (see table) 0=Tin
 Single row socket Series OTL = Tin/Lead
 Solder tail pin 1=Gold

Consult Data Sheet No. 12009 for strip-line sockets with wire wrap pins.

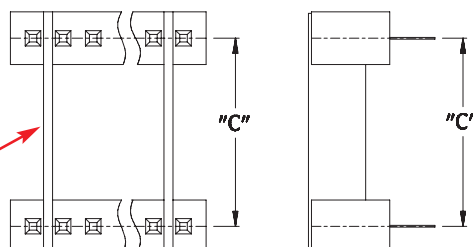
CONTACT DETAIL



ORDERING INFORMATION (for spacer bar)

0500-X.XXX

Series Center-to-center mounting desired ("C" dimension)



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12008 REV.D