



# Series 501 Strip-Line™ Socket Strip w/Bifurcated Contacts & Wire Wrap Pins

## FEATURES

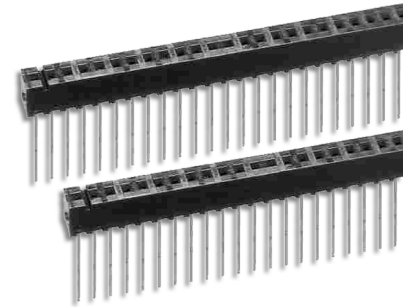
- Mount Liquid Crystal Displays or Other High Pin-count or Odd-centered Components
- Available in Several Sizes with Bifurcated Contacts in Wire Wrap or Solder Pin Tails Consult Data Sheet 12008 for Solder Pin Tails
- Optional Spacer for Mounting on 0.300 [7.62], 0.600 [15.24], 0.900 [22.86], 1.100 [27.94], and 1.300 [33.02] Centers Consult factory for other sizes.

## GENERAL SPECIFICATIONS

- BODY: black UL 94V-0 glass-filled 4/6 Nylon
- PIN: Grade A Phosphor Bronze per QQ-B-750
- OPTIONAL SPACER: FR-4 0.032 [0.81] thick
- PIN PLATING: "11" 10μ [0.25μ] min. Au per MIL-G-45204 over 50μ [1.27μ] Dim. "L" min. Ni per SAE AMS-QQ-N-290B; "10" 200μ [5.08μ] min. matte Sn per ASTM B545-97(2004)e1 over 50μ [1.27μ] min. Ni per SAE AMS-QQ-N-290B; "10TL" 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
- CURRENT RATING: 1 amp
- OPERATING TEMPERATURE: -67°F to 221°F [-55°C to 105°C] Sn & Sn/Pb plating; -67°F to 257°F [-55°C to 125°C] Au
- INSERTION FORCE: 110g/pin average
- WITHDRAWAL FORCE: 75g/pin average
- ACCEPTS: flat leads up to 0.014 x 0.020 wide [0.36-0.51], Round Leads up to 0.020 [0.51] dia.
- SOCKET ACCEPTS: lead lengths from seating plane 0.080-0.160 [2.03-4.06]

## MOUNTING CONSIDERATIONS

- SUGGESTED PCB HOLE SIZE: 0.045 ±0.002 [0.114 ±0.05] dia.



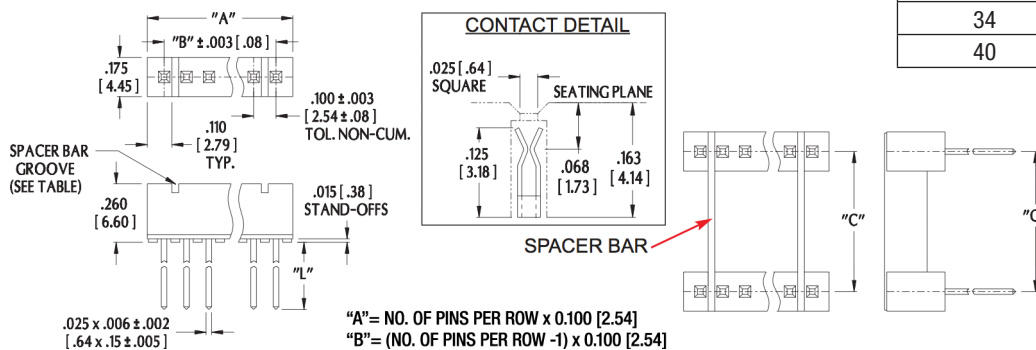
## ORDERING INFORMATION

**XX-0 501-X XXX**

- Plating
  - 0 = Sn
  - OTL = Sn/Pb
  - 1 = Au
- Termination
  - 2 = 2-level Wire Wrap
  - 2 = 3-level Wire Wrap
- Series
- Single Row Socket
- No. of Pins  
(See Table)

|                   | Dim. "L"      |
|-------------------|---------------|
| 2-level Wire Wrap | 0.420 [10.67] |
| 3-level Wire Wrap | 0.690 [17.52] |

| No. of Pins | No. of Grooves |
|-------------|----------------|
| 20          | 2              |
| 25          | 2              |
| 30          | 2              |
| 34          | 2              |
| 40          | 2              |



ALL DIMENSIONS: INCHES [MILLIMETERS]  
 ALL TOLERANCES: ±0.005 [0.13] UNLESS OTHERWISE SPECIFIED  
 FOR STRIP-LINE SOCKETS w/SOLDER PIN TAILS, SEE DATA SHEETS 12008  
 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.

ARIES RESERVES THE RIGHT TO CHANGE PRODUCT GENERAL SPECIFICATIONS  
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PRINTOUTS OF THIS DOCUMENT MAY BE OUT-OF-DATE AND SHOULD BE  
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