



Series 511 Strip-Line™ Socket w/Bifurcated Contacts & Solder Pin Tails

FEATURES

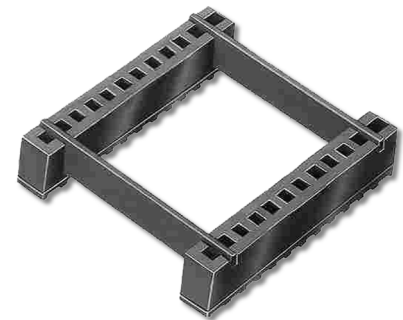
- Mount Liquid Crystal Displays or Other High Pin-count or Odd-centered Components
- Available in Several Sizes with Bifurcated Contacts and Solder Tail or Wire Wrap Pins
- Optional Spacer for Mounting on 0.300 [7.62], 0.600 [15.24], 0.900 [22.86], 1.100 [27.94], and 1.300 [33.02] Centers

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:** 50-130μ min. matte Sn per ASTM B545-97(2004)e1 over 50μ Ni per SAE AMS-QQ-N-290B; -OR- 50-130μ 90/10 Sn/Pb per MIL-T-10727 Type 1 over 50μ Ni per SAE AMS-QQ-N-290B; -OR- 10μ [0.25μ] min. Au per MIL-G-45204 over 50μ Ni per SAE AMS-QQ-N-290B
- **CURRENT RATING:** 1 amp
- **OPERATING TEMPERATURE:** -67°F to 221°F [-55°C to 105°C] Sn and Sn/Pb; -67°F to 257°F [-55°C to 125°C] Au
- **INSERTION FORCE:** 110g/pin average
- **WITHDRAWAL FORCE:** 75g/pin average
- **ACCEPTED LEADS:** Flat leads up to 0.014 x 0.020 wide [0.36-0.51]; Round Leads up to 0.020 [0.51] dia.
- **LEAD LENGTHS:** from seating plane 0.080-0.160 [2.03-4.06]

MOUNTING CONSIDERATIONS

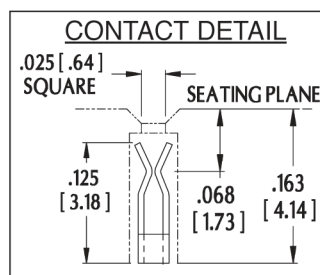
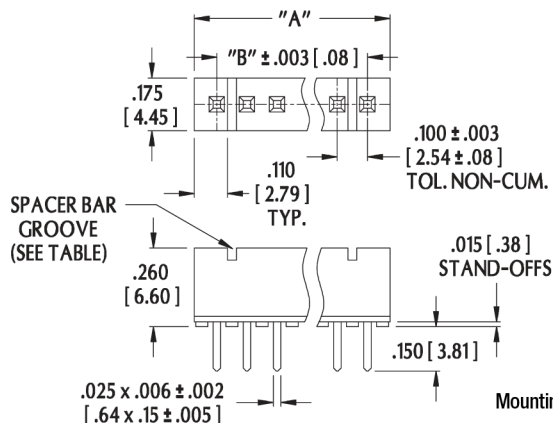
- **SUGGESTED PCB HOLE SIZE:** 0.036 ±0.002 [0.91 ±0.05] dia.



ORDERING INFORMATION

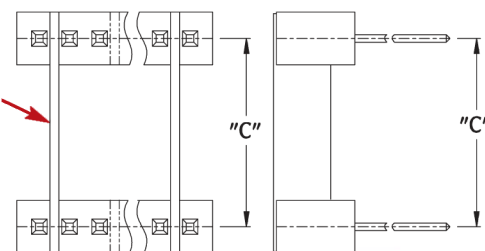
XX-X 511-X XXX

- Plating
0 = Sn
OTL = Sn/Pb
1 = Au
- Termination
1 = Solder Pin Tail
- Series
- Single Row Socket
- No. of Pins
(See Table)



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

SPACER BAR
Consult Factory with
Center-to-Center
Mounting Desired (Dim. "C")



ALL DIMENSIONS: INCHES [MILLIMETERS]
ALL TOLERANCES: ±0.005 [0.13] UNLESS OTHERWISE SPECIFIED
FOR STRIP-LINE SOCKETS w/WIRE WRAP PINS, SEE [DATA SHEETS 12009](#)
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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