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

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 WITHOUT NOTICE. PRINTOUTS OF THIS DOCUMENT MAY BE OUT-OF-DATE AND SHOULD BE CONSIDERED UNCONTROLLED.

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