



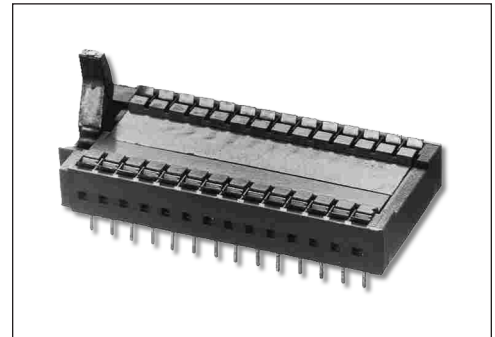
# Series 526 Lo-PRO<sup>®</sup>file ZIF (Zero-Insertion-Force) Socket

## FEATURES

- A choice of 24, 28, or 40 pin count devices can be inserted without bending or otherwise damaging the legs, since no force is required to either insert or remove the component from the socket.
- A metal cam provides strong, smooth action as it moves to a positive stop, compressing the double-sided contacts, ensuring a gas-tight seal.
- Test point openings provided to reach all pins.

## GENERAL SPECIFICATIONS

- PLASTIC BODY: black UL 94V-0 glass-filled 4/6 Nylon
- CONTACTS: BeCu 172, spring-tempered
- CONTACT PLATING: “-10” 200 $\mu$  [5.08 $\mu$ ] min. matte Sn per ASTM B545-97(2004) over 50 $\mu$  [1.27 $\mu$ ] min. Ni per SAE AMS-QQ-N-290; “-10TL” 200 $\mu$  [5.08 $\mu$ ] min. 90/10 Sn/Pb per MIL-T-10727 over 50 $\mu$  [1.27 $\mu$ ] min. Ni per SAE AMS-QQ-N-290; “-11” 10 $\mu$  [0.25 $\mu$ ] min. Au per MIL-G-45204 over 50 $\mu$  [1.27 $\mu$ ] min. Ni per SAE AMS-QQ-N-290 – Consult factory for availability
- CAM: lightweight, strong, and rigid cast Zn
- 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 plating
- CONTACT CURRENT RATING: 2 amps
- CONTACT RESISTANCE: 10 m $\Omega$  max.
- BREAKDOWN VOLTAGE: 1000VAC min.
- AVERAGE RETENTION FORCE (when closed): 110g/Pb, based on 0.010 [0.25] dia. test lead
- SOCKET ACCEPTS: 0.008-0.014 [0.20-0.36] thick leads, 0.075-0.200 [1.91-5.08] long



**CUSTOMIZATION:** In addition to the standard products shown on this page, Aries specializes in custom design and production. Special materials, platings, sizes, and configurations can be furnished, depending on the quantity. **NOTE:** Aries reserves the right to change product general specifications without notice.

## ORDERING INFORMATION

**XX-526-1 XXX**

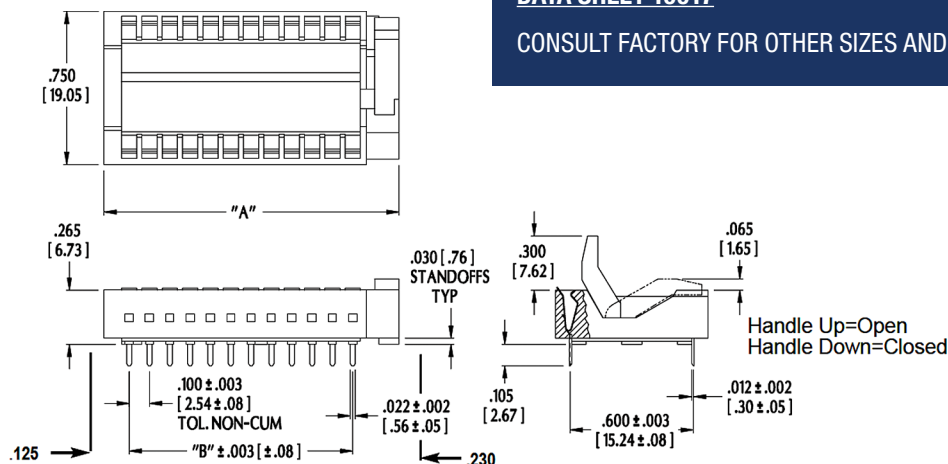
Pins  
(See Table)  
Series

Plating Option  
0 = Sn  
0TL = Sn/Pb  
1 = Au  
Solder Tail Only

## MOUNTING CONSIDERATIONS

- SUGGESTED PCB HOLE SIZE: 0.035  $\pm$  0.002 [0.89  $\pm$  0.05] dia.

| No. of Positions | Dim. "A"      | Dim. "B"      |
|------------------|---------------|---------------|
| 24               | 1.450 [36.83] | 1.100 [27.94] |
| 28               | 1.650 [41.90] | 1.300 [33.02] |
| 40               | 2.250 [57.15] | 1.900 [48.26] |



ALL DIMENSIONS: INCHES [MILLIMETERS]  
ALL TOLERANCES:  $\pm$ 0.005 [0.13] UNLESS OTHERWISE SPECIFIED  
SERIES 516 STANDARD ZIF SOCKET ALSO AVAILABLE. CONSULT **DATA SHEET 10017**  
CONSULT FACTORY FOR OTHER SIZES AND CONFIGURATIONS



Bristol, PA 19007-6810 USA  
TEL (215) 781-9956 • FAX (215) 781-9845  
WWW.ARIESELEC.COM • INFO@ARIESELEC.COM



PRINTOUTS OF THIS DOCUMENT MAY BE OUT OF DATE AND SHOULD BE CONSIDERED UNCONTROLLED

10018  
Rev. AA