



Series 516 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.
- Contacts are normally open and are closed by a unique cam action controlled by dual lever arms.
- The last 15° of movement of the cam provides a wiping action to the contacts on the legs of the device to remove any residue, ensuring a gas-tight seal.
- Tapered entry helps guide the device legs into the mating position with the contacts.

SPECIFICATIONS

- Body, Handle, and Cam: Black UL 94V-0 Glass-filled 4/6 Nylon
- Pins are Be-Cu 170 or 172, 1/2-hard
- Pin Plating: -11 = 10µ" [0.25µm] min. Gold per MIL-G-45204 over 50µ" [1.27µm] min. Nickel per SAE-AMS-QQ-N-290
- Contact Current Rating = 1 Amp
- Operating Temperature: 257°F [125°C]
- Minimum Retention Force (when closed) = 15 grams/lead, based on a 0.008 [0.20] thick test lead
- Accepts most lead widths with lengths from 0.075 to 0.250 [1.91 to 6.35]

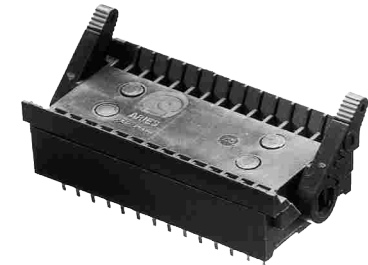
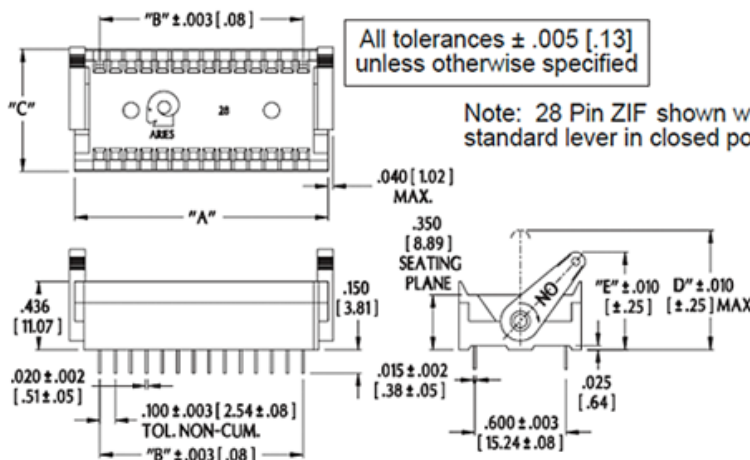
MOUNTING CONSIDERATIONS

- Suggested PCB Hole Size = 0.035 ±0.002 [0.89 ±0.05] diameter

ALL DIMENSIONS: INCHES [MILLIMETERS]

$$\text{"A"} = (\text{NO. OF PINS PER ROW} \times .100 [2.54]) + .220 [5.59]$$

$$\text{"B"} = (\text{NO. OF PINS PER ROW} - 1) \times .100 [2.54]$$



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.

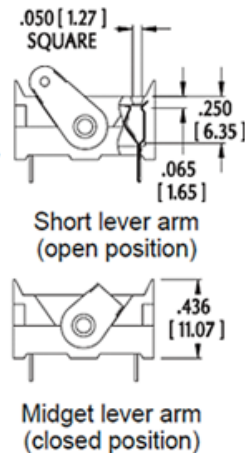
ORDERING INFORMATION

XX-516-11X

Pins — 24, 28, 40
Series —

Optional Suffix
S = Short Lever Arm
M = Midget Lever Arm
Plating
11 = Gold over Nickel

Series 526 Lo-PRO® file ZIF Socket
also available Consult Data Sheet 10018



No. of Pins	Standard Lever Arm			Short Lever Arm		Midget Lever Arm	
	Dim. "C"	Dim. "D"	Dim. "E"	Dim. "D"	Dim. "E"	Dim. "D"	Dim. "E"
24	0.785 [19.94]	0.76 [19.30]	0.630 [16.00]	0.60 [15.24]	0.520 [13.21]	0.41 [10.41]	0.42 [10.67]
28	0.785 [19.94]	0.76 [19.30]	0.630 [16.00]	0.60 [15.24]	0.520 [13.21]	0.41 [10.41]	0.42 [10.67]
40	0.780 [19.81]	0.76 [19.30]	0.630 [16.00]	0.60 [15.24]	0.520 [13.21]	0.41 [10.41]	0.42 [10.67]



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