



Series 516 Zero-Insertion-Force Socket

FEATURES

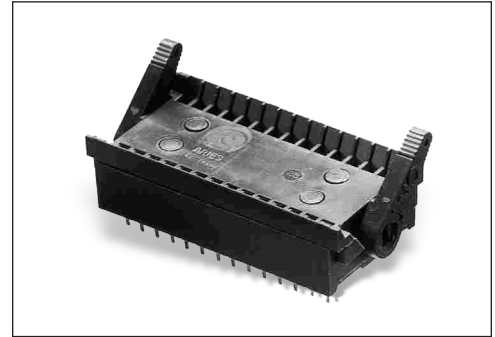
- A choice of 24-, 28-, or 40-pin count devices can be inserted without bending or otherwise damaging the legs, since no force is required to either insert or remove the component from the socket.
- Contacts are normally open and are closed by a unique cam action controlled by dual lever arms.
- The 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.

GENERAL SPECIFICATIONS

- BODY, HANDLE, CAM: black UL 94V-0 glass-filled 4/6 Nylon
- PINS: BeCu 170 or 172, 1/2-hard
- PIN PLATING: 10µ [0.254µ] min. Au per MIL-G-45204 over 50µ [1.27µ] min. Ni per SAE AMS-QQ-N-290
- CONTACT CURRENT RATING: 1 amp
- OPERATING TEMPERATURE: 257°F [125°C]
- MINIMUM RETENTION FORCE (when closed): 15g/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] dia.



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-516-11 X

Pins — 24, 28, 40
Series —
Optional Suffix
S = Short Lever Arm
M = Midget Lever Arm
Plating
11 = Au over Ni

ALL DIMENSIONS: INCHES [MILLIMETERS]

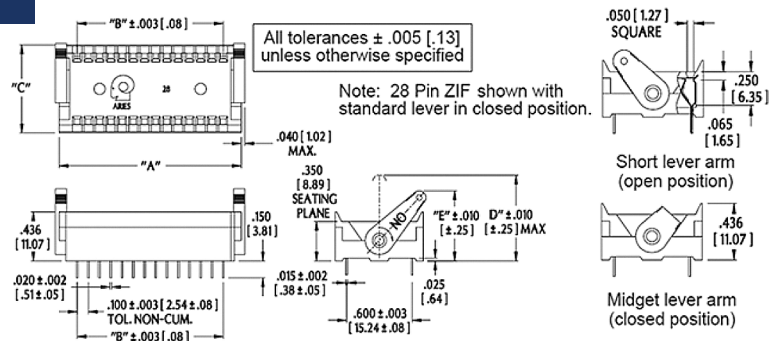
ALL TOLERANCES: ±0.005 [0.13] UNLESS OTHERWISE SPECIFIED

"A" = (NO. OF PINS PER ROW × 0.100 [2.54]) + 0.220

"B" = (NO. OF PINS PER ROW - 1) × 0.100 [2.54]

CONSULT FACTORY FOR OTHER SIZES AND CONFIGURATIONS

SERIES 526 Lo-PRO®FILE ZIF SOCKET ALSO AVAILABLE CONSULT
DATA SHEET 10018



No. of Pins	Dim. "C"	Standard Lever Arm		Short Lever Arm		Midget Lever Arm	
		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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Rev. AA