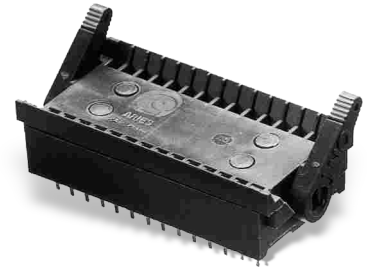




Series 516 Zero-Insertion-Force Socket

FEATURES

- Choice of 24-, 28-, or 40-pin Count Devices Inserted without Bending or Damaging Device Legs
- Insert and Remove Components from Socket without Force
- Contacts Normally-open and Closed by Unique Cam Action Controlled by Dual Lever Arms
- Last 15° of Cam Movement provides Wiping Action of the Device Legs Removing any Residue, Ensuring Gas-tight Seal
- Tapered Entry Guides Device Legs into Mating Socket 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 LEADS:** from 0.075 to 0.250 [1.91 to 6.35]

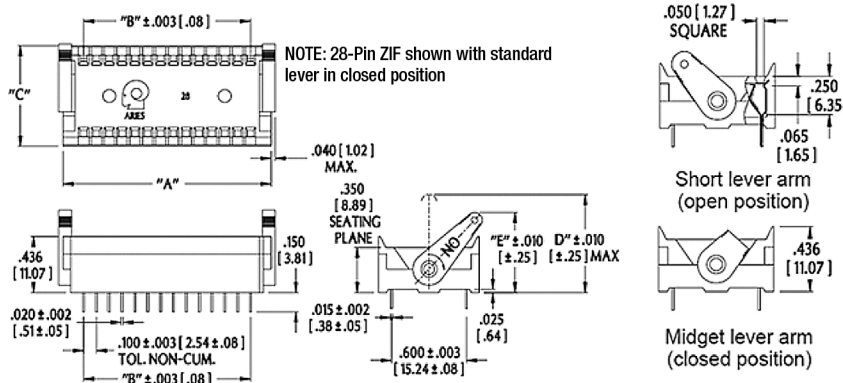
MOUNTING CONSIDERATIONS

- **SUGGESTED PCB HOLE SIZE:** 0.035 ±0.002 [0.89 ±0.05] dia.

ORDERING INFORMATION

XX-516-11 X

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



$$\begin{aligned}
 \text{"A"} &= (\text{NO. OF PINS PER ROW} \times 0.100 [2.54]) + 0.220 [5.588] \\
 \text{"B"} &= (\text{NO. OF PINS PER ROW} - 1) \times 0.100 [2.54]
 \end{aligned}$$

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]

ALL DIMENSIONS: INCHES [MILLIMETERS]
 ALL TOLERANCES: ±0.005 [0.13] UNLESS OTHERWISE SPECIFIED
 FOR SERIES 526 LO-PRO@FILE ZIF SOCKET, SEE DATA SHEET 10018
 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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ARIES
ELECTRONICS, INC.

2609 Bartram Road • Bristol, PA 19007-6810 USA
 TEL 215-781-9956 • FAX 215-781-9845
 WWW.ARIESELEC.COM • INFO@ARIESELEC.COM



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 Rev. 1.2
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