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

<table>
<thead>
<tr>
<th>Standard Lever Arm</th>
<th>Short Lever Arm</th>
<th>Midget Lever Arm</th>
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<tbody>
<tr>
<td>24</td>
<td>0.785 [19.94]</td>
<td>0.76 [19.30]</td>
</tr>
<tr>
<td>28</td>
<td>0.785 [19.94]</td>
<td>0.76 [19.30]</td>
</tr>
<tr>
<td>40</td>
<td>0.780 [19.81]</td>
<td>0.76 [19.30]</td>
</tr>
</tbody>
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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

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