Features
- Convenient, cost-effective means of converting DIP-to-SOIC PC board layouts

General Specifications
- Socket Body: black, UL 94V-0 glass-filled 4/6 Nylon 170°C continuous use temperature
- PCB: 0.062 [1.58] thick FR-4 or ISO10 per IPC4101A/26 with 1-oz. Cu traces, both sides finished with ENIG (Immersion Au over Electroless Ni)
- Male Adaptor Pin: Brass 360 1/2-hard per UNS C36000 ASTM-B16-00
- Male Pin Plating: 10µ [0.254µ] min. Au per MIL-G-45204 over 100µ [2.54µ] min. Ni per SAE-AMS-QQ-N-290
- Female Contact Pin: Brass 360 1/2-hard per UNS C36000 ASTM-B16-00
- Female Pin Plating: 10µ [0.254µ] min. Au per MIL-G-45204 over 100µ [2.54µ] min. Ni per SAE-AMS-QQ-N-290
- 4-Finger Collet Contact: BeCu per UNS C17200 ASTM B194-01
- Female Contact Plating: 10µ [0.254µ] min. Au per MIL-G-45204 over 50µ [1.27µ] min. Ni per SAE-AMS-QQ-N-290
- Male Adaptor Pin: Brass 360 1/2-hard per UNS C36000 ASTM-B16-00
- Male Pin Plating: 10µ [0.254µ] min. Au per MIL-G-45204 over 100µ [2.54µ] min. Ni per SAE-AMS-QQ-N-290
- Female Contact Pin: Brass 360 1/2-hard per UNS C36000 ASTM-B16-00
- Female Pin Plating: 10µ [0.254µ] min. Au per MIL-G-45204 over 100µ [2.54µ] min. Ni per SAE-AMS-QQ-N-290
- 4-Finger Collet Contact: BeCu per UNS C17200 ASTM B194-01
- Female Contact Plating: 10µ [0.254µ] min. Au per MIL-G-45204 over 50µ [1.27µ] min. Ni per SAE-AMS-QQ-N-290
- Current Contact Rating: 3 amps
- Operating Temperature: 221°F [105°C]
- Insertion Force: 180g/pin; based on a 0.018 [0.46] dia. test lead
- Withdrawal Force: 90g/pin; based on a 0.018 [0.46] dia. test lead
- Normal Force: 140g/pin; based on a 0.018 [0.46] dia. test lead
- Socket Accepts: leads 0.015-0.025 [0.38-0.64] in dia., 0.0100-0.125 [2.54-3.18] long

Mounting Considerations
- Suggested PCB Solder Pad Size: 0.028 [0.71] min. width

Ordering Information
- P/N Suffix: (X): Dim. “X” Dim. “Y”
- 8, 14, 16, 20, 24, 28
- Plating: Au Pin RoHS-compliant
- Adapter Pin Options (see P/N Suffix Table)
  - 1 = Short Adaptor Pin
  - 2 = Long Adaptor Pin

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

All Dimensions: Inches [Millimeters]
All Tolerances: ±0.005 [0.13] Unless Otherwise Specified
“A” = No. of Pins Per Row x 0.100 [2.54]
“B” = (No. of Pins Per Row -1) x 0.100 [2.54]
Consult Factory for Other Sizes and Configurations

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