



# Series BV and BH Female Box Connectors

## FEATURES:

- Mates with Aries' Squarestix™ headers and similar .025 [.64] square pin headers on .100 [2.54] centers.
- End-to-end stackable.

## SPECIFICATIONS:

- Body material is black UL 94V-0 glass-filled Thermoplastic Polyester.
- Contacts are Phosphor Bronze.
- Contact plating is as follows:
  - 43: 100μ [2.54μm] Tin over Nickel
  - 83: 10μ [.25μm] selective Gold in contact area and 100μ [2.54μm] Tin on balance of pin, both over Nickel.
- Contact current rating=3 Amps.
- Operating temperature=-85°F to 221°F [-65°C to 105°C].
- Contact resistance=15 mOhms max.
- Insulation resistance=5000 MOhms min.
- Dielectric withstanding voltage=1000 VAC RMS (sea level).
- Insertion Force=142 grams/contact max.
- Withdrawal Force=28 grams/min.

## MOUNTING CONSIDERATIONS:

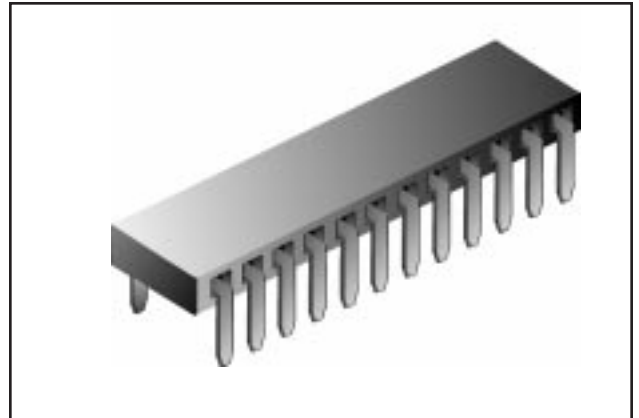
- Suggested PCB hole size=.039 ± .002 [1.00 ± .05] dia.

## ALL DIMENSIONS: INCHES [MILLIMETERS]

All tolerances ± .005 [.13] unless otherwise specified

"A"=NO. OF POSITIONS X .100 [2.54]

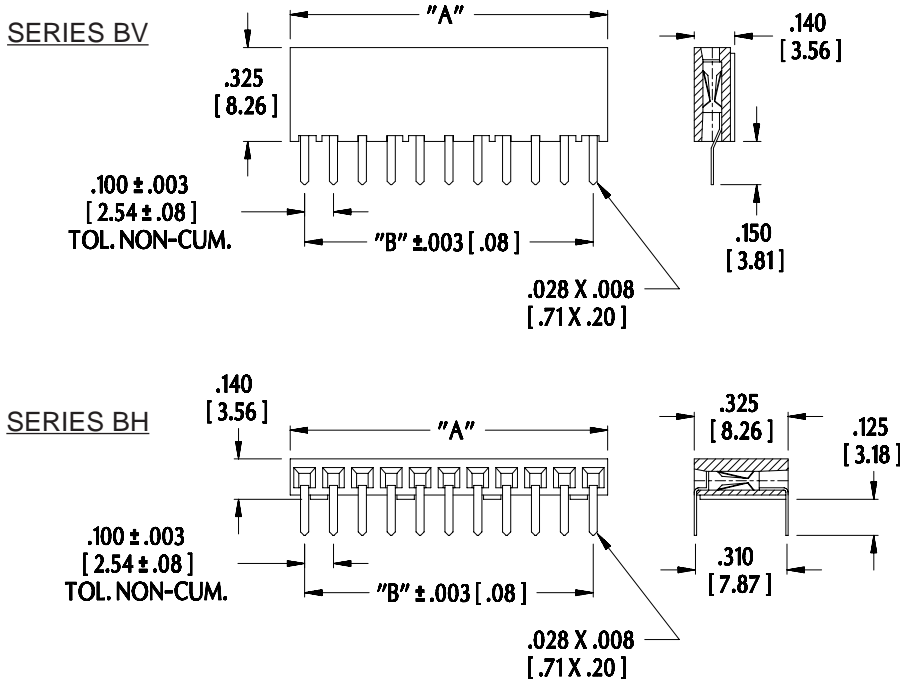
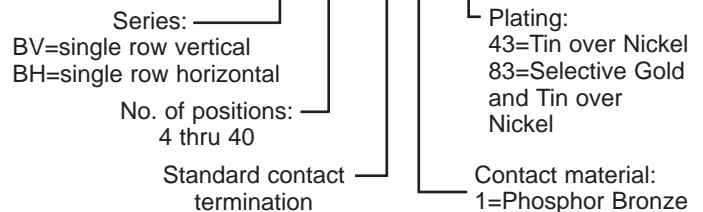
"B"=(NO. OF POSITIONS - 1) X .100 [2.54]



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

XXXX-011-XX



**ARIES**  
ELECTRONICS, INC.  
<http://www.arieselec.com> • [info@arieselec.com](mailto:info@arieselec.com)

NORTH AMERICA  
Frenchtown, NJ USA  
TEL: (908) 996-6841  
FAX: (908) 996-3891



UK/IRELAND/GB  
TEL: +44 870 240 0249  
FAX: +44 1653 600493  
[uking@arieselec.com](mailto:uking@arieselec.com)

EUROPE/MAINLAND/HOLLAND  
TEL: +31 78 615 94 65  
FAX: +31 78 615 43 11  
[europa@arieselec.com](mailto:europa@arieselec.com)

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