



Series 540 Collet Pin Carriers

FEATURES:

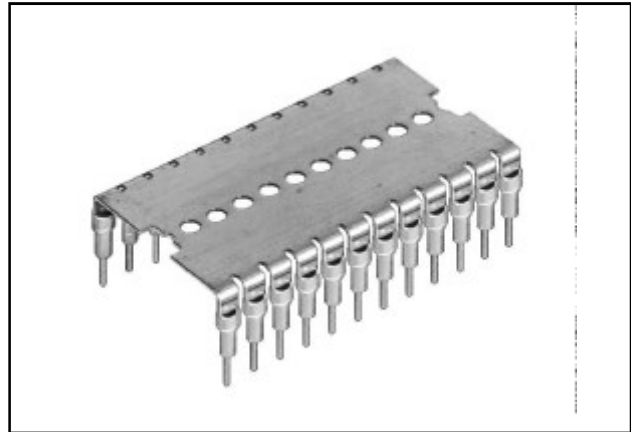
- Eliminates time consuming hand insertion of pins.
- Accurate alignment with the PCB hole pattern makes multiple pin insertion fast and easy.
- Available with 4 standard pin styles. Consult factory for pin styles and platings not shown.

SPECIFICATIONS:

- Disposable carrier is Brass.
- Pin body material is Brass Alloy 360 1/2 hard per UNS C36000 ASTM-B16-85.
- Pin body plating is 200 μ [5.08 μ m] 93/7 Tin/Lead per MIL-P-81728 over 100 μ [2.54 μ m] min. Nickel per QQ-N-290.
- 4-fingered collet contact is Beryllium Copper Alloy per UNS C17200 ASTM-B194-92.
- Contact plating is 30 μ [.76 μ m] min. Gold (10 μ [.25 μ m] Gold for pin style 1 w/ optional barb) per MIL-G-45204 over 50 μ [1.27 μ m] min. Nickel per QQ-N-290.
- Contact current rating=3 Amps.
- Operating temperature=221°F [105°C].
- Insertion Force=180 grams/pin; Withdrawal Force=90 grams/pin; Normal Force=140 grams/pin; based on a .018 [.46] dia. test lead.
- Midget pin: Insertion force=370 grams/pin; Withdrawal Force=150 grams/pin; Normal Force=240 grams/pin; based on a .018 [.46] dia. test lead.
- Accepts leads .015-.025 [.38-.64] in diameter; midget pin accepts up to .022 [.56] diameter leads.
- See pin detail for min/max lead lengths.

MOUNTING CONSIDERATIONS:

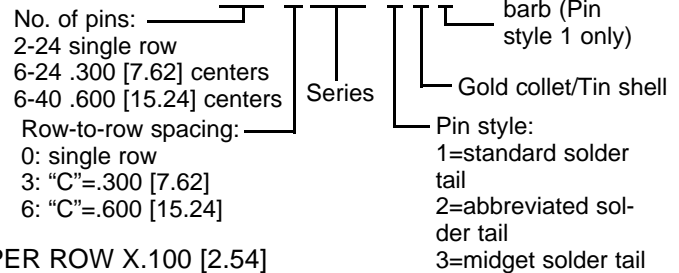
- See table below.



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

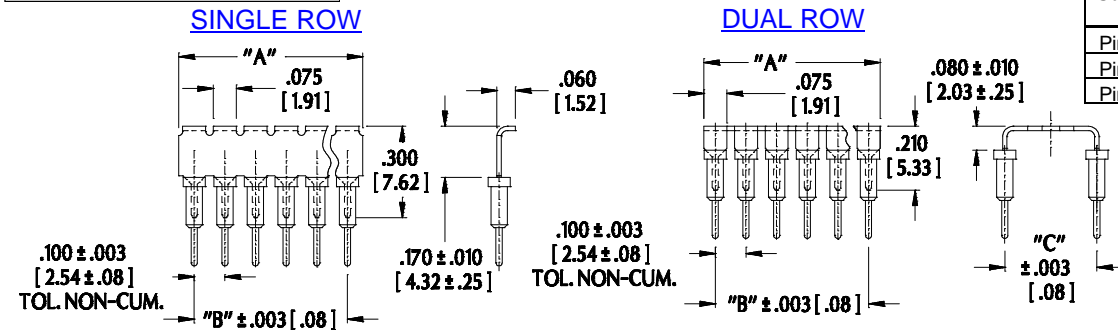
XX-X540-X0X



ALL DIMENSIONS: INCHES [MILLIMETERS]

All tolerances \pm .005 [.13] unless otherwise specified

"A"=NO. OF PINS PER ROW X .100 [2.54]
 "B"=(NO. OF PINS PER ROW - 1) X .100 [2.54]



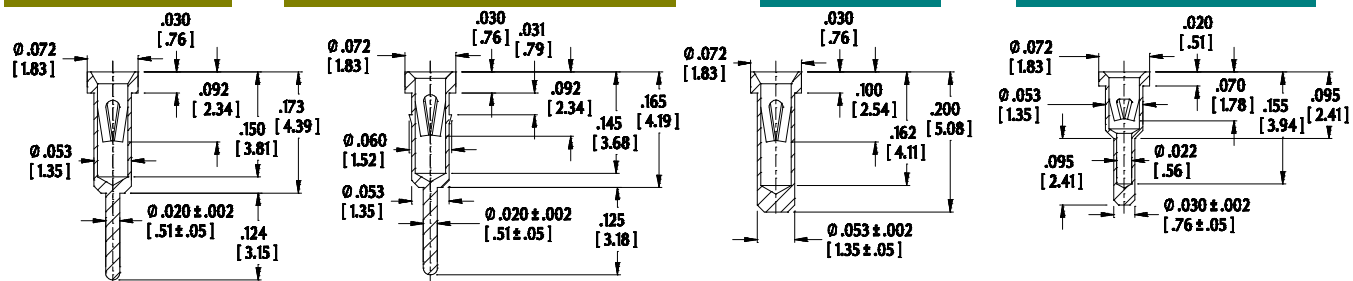
Suggested PCB Hole Size \pm .002 [.05]	
Pin style 1	.030 [.76]
Pin style 2	.063 [1.60]
Pin style 3	.040 [1.02]

STYLE 1

STYLE 1 W/ OPTIONAL BARB

STYLE 2

STYLE 3 (MIDGET PIN)



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