Series 0513 Pin-Line Collet Sockets with Solder Tail Pins

FEATURES:
• Rows of socket strips may be mounted on any centers and are end-to-end or side-by-side stackable for .100 [2.54] grid or matrix patterns.
• Available with solder tail or wire wrap pins. Consult Data Sheet No. 12014 for wire wrap pins.
• "Break" feature allows strips to be cut to the number of positions desired.

SPECIFICATIONS:
• Body material is red UL 94-HB Glass-filled Nylon. Consult factory for UL 94V-0 rated material.
• Pin body is Brass Alloy 360 1/2 hard per UNS C36000 ASTM-B16-85.
• Pin body plating is either 10µ [.25µm] min. Gold per MIL-G-45204 or 200µ [5.08µm] min. 93/7 Tin/Lead per MIL-P-81728 over 100µ [2.54µm] min. Nickel per QQ-N-290.
• 4-fingered collet contact is Beryllium Copper Alloy per UNS C17200 ASTM-B194-92.
• Contact plating is either 150µ [3.81µm] min. 93/7 Tin/Lead per MIL-P-81728 or 10µ [.25µm] Gold per MIL-G-45204 over 50µ min. [1.27µm] Nickel per QQ-N-290. Heavy 30µ [.76µm] Gold plating also available.
• Contact current rating=3 Amps.
• Operating temperature=221°F [105°C] Tin plating,
  =257°F [125°C] Gold plating.
• Insertion Force=180 grams/pin; Withdrawal Force=90 grams/pin; Normal Force=140 grams/pin; based on a .018 [.46] dia. test lead.
• Accepts leads .015-.025 [.38-.64] in dia., .100-.146 [2.54-3.71] long.
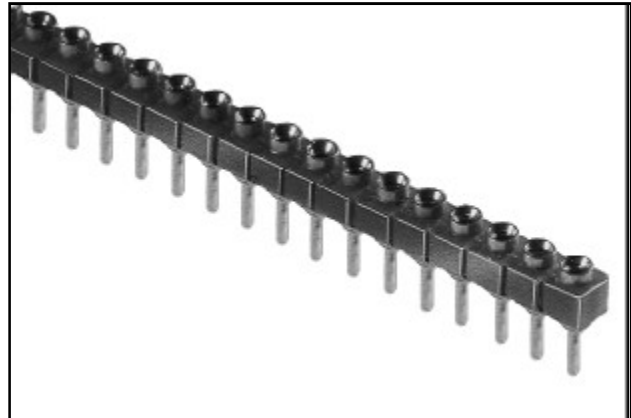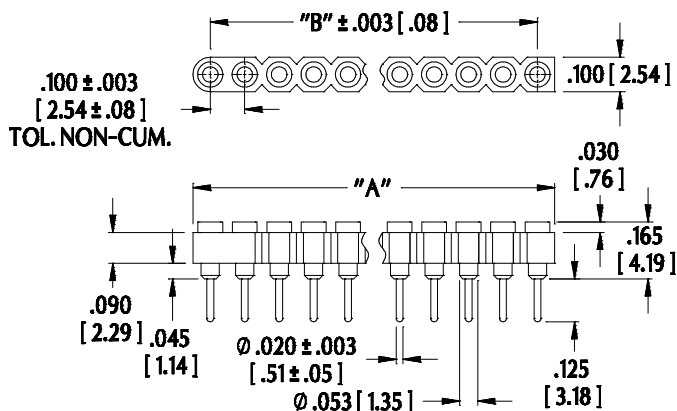
MOUNTING CONSIDERATIONS:
• Suggested PCB hole size=.030 ± .002 [.76 ± .05] dia.

ALL DIMENSIONS: INCHES [MILLIMETERS]

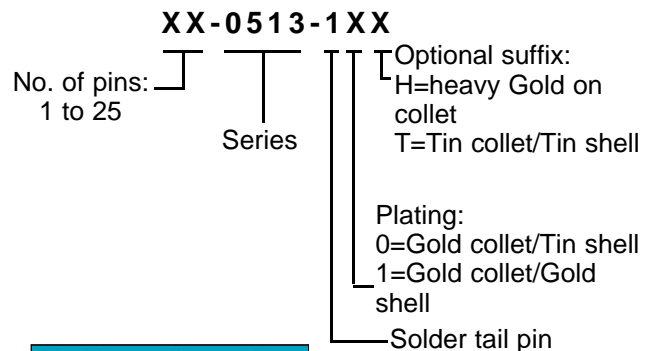All tolerances ± .005 [.13] unless otherwise specified

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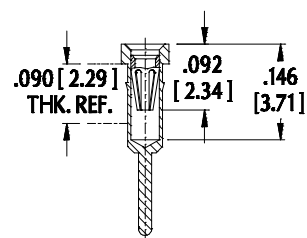"B"=(NO. OF PINS PER ROW - 1) X .100 [2.54]

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

X X - 0 5 1 3 - 1 X X

No. of pins:
1 to 25

Series

Optional suffix:
H=heavy Gold on collet
T=Tin collet/Tin shell

Plating:
0=Gold collet/Tin shell
1=Gold collet/Gold shell

Solder tail pin

Pin-Line collet sockets also available with wire wrap pins. Consult Data Sheet No. 12014.

CONTACT DETAIL