



Aries BGA Adapter Socket

FEATURES:

- System (adapter and socket combination) converts any BGA device into a PGA on 1.27mm [.050] or 1.50mm [.059] pitch.
- Allows BGA device to be plugged into and removed from application mother board.
- Socket accepts Aries' BGA to PGA adapter, Data Sheet No. 23007.

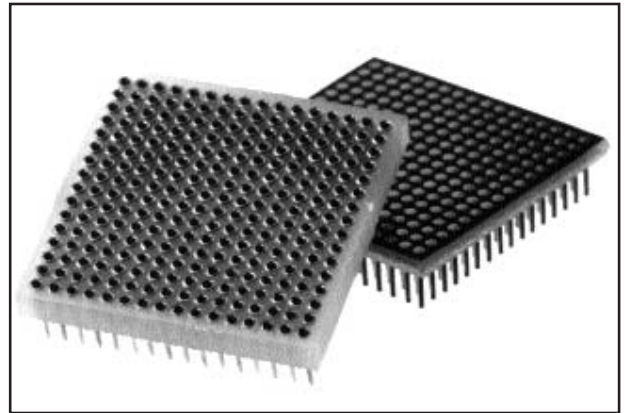
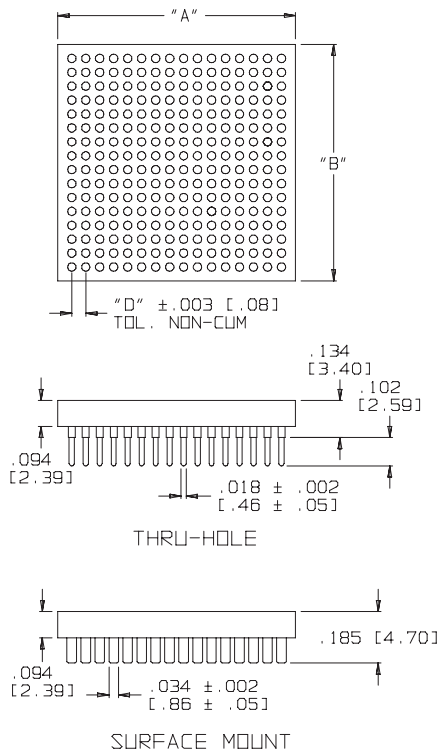
SPECIFICATIONS:

- Socket body is UL 94V-0 FR-406.
- Pin body is Brass Alloy 360, UNS C36000 1/2 hard per ASTM-B16-00.
- 3-fingered collet contact is Beryllium Copper Alloy UNS C17200 per ASTM-B194-01 (thru-hole and standard surface mount pin).
- Pin body plating is either 200µ [5.08µm] Tin per ASTM B545 Type 1 or 93/7 Tin/Lead per ASTM B545 or 10µ [.25µm] Gold per MIL-G-45204 over 100µ [2.54µm] Nickel per SAE-AMS-QQ-N-290.
- Contact plating is 30µ [.76µm] Gold per MIL-G-45204 over 50µ [1.27µm] Nickel per SAE-AMS-QQ-N-290.
- Contact current rating=3 Amps.
- Operating temperature=-67° to 221°F [-55°C to 105°C] Tin; =-67° to 257°F [-55°C to 125°C] Gold
- Insertion Force=45 grams/pin; Withdrawal Force=22 grams/pin; Normal Force=31 grams/pin; based on a .019 [.48] dia. test lead.

MOUNTING CONSIDERATIONS:

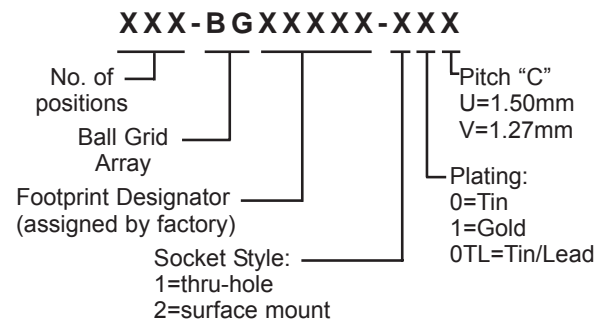
- Suggested PCB hole size=.028±.003 dia.
- Suggested PCB pad size=.040±.003 dia.

All dimensions: inches [millimeter]



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.

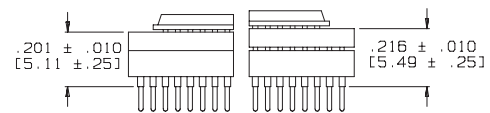
ORDERING INFORMATION



Consult factory for pitch-converting adapter and socket requirements.

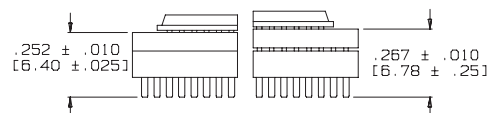
All tolerances ± .005 [.13] unless otherwise specified

STRAIGHT THRU ADAPTER & SOCKET MATING HEIGHTS



THRU-HOLE SOCKET

PITCH-CONVERTING ADAPTER & SOCKET MATING HEIGHTS



SURFACE MOUNT SOCKET



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



23008
REV.D