



CSP/MicroBGA Test & Burn-In Socket

FEATURES:

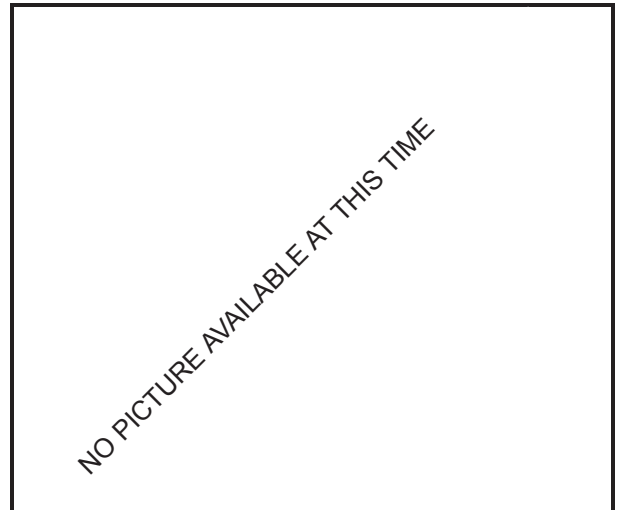
- For Test & Burn-In of CSP, MicroBGA, DSP, LGA, SRAM, DRAM and Flash Devices.
- Any pitch device on 0.50mm pitch or higher.
- Socket is easily mounted and removed to & from the BIB due to solderless pressure mount compression spring contacts which, are accurately located by two molded plastic alignment pins and mounted with four stainless steel screws.
- The gold over nickel plated compression spring contacts leave no witness marks on the bottom surface of the device solderballs.
- Small overall socket size/profile allows maximum number of sockets per BIB and BIB's per oven, while being operator friendly.
- Standard molded socket format can accommodate any device package of 13mm or smaller, by using machined (for small quantities) or custom molded (for large quantities) pressure pads and interposers.
- Pressure pad compression spring provides proper force against device and allows for height variations in device thickness.

SPECIFICATIONS:

- Molded socket components are UL94V-0 Ultem.
- Machined socket components are UL94V-0 Peek.
- All hardware is stainless steel.
- Compression spring contacts are heat treated Beryllium Copper Alloy.
- Compression spring contact plating is 30u"[.75um] Gold per Mil-G-45204 over 30u"[.75um] Nickel per QQ-N-290.
- Durability=10,000 cycles max.
- Contact Force = 9-12g nominal (15g max.) per contact.
- Operating Temperature = 55°C (min.) to 150°C (max.); -67°F (min.) to 302°C (max.).
- Typical Average Burn-In Temperature = 125°F).

MOUNTING CONSIDERATIONS:

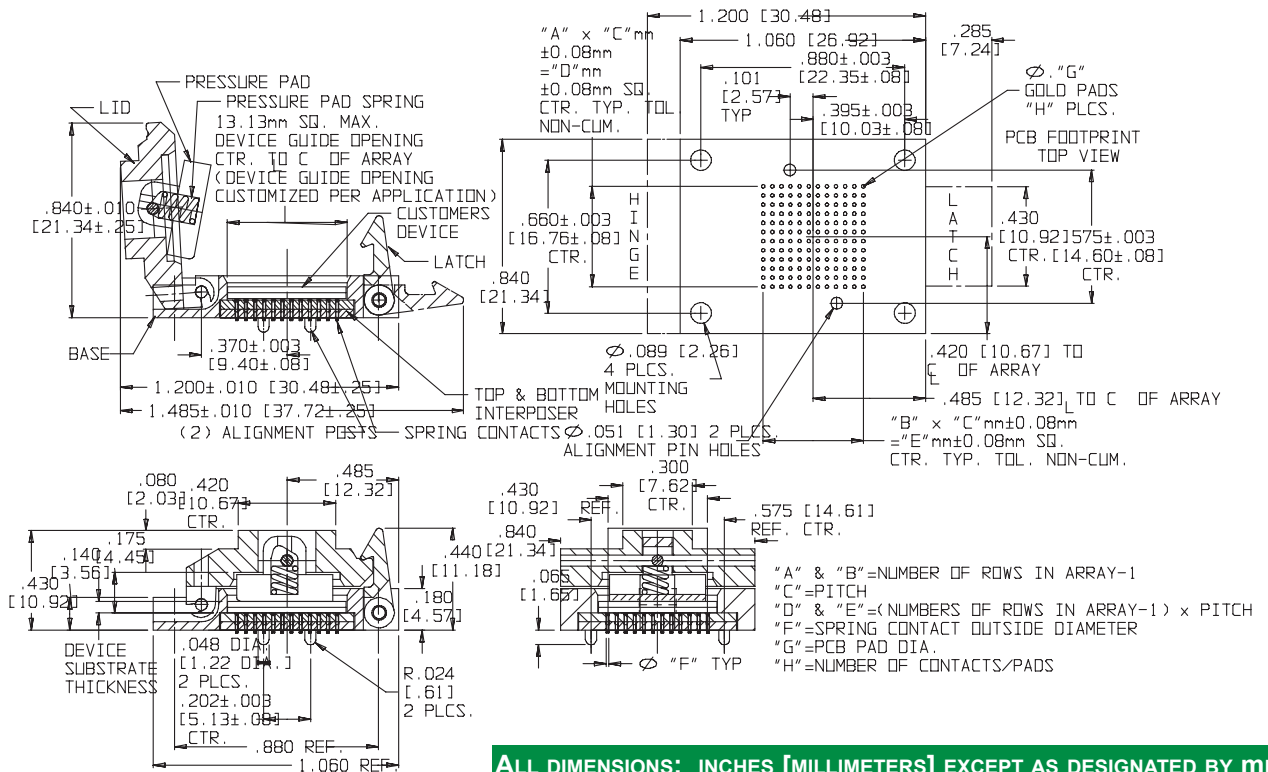
- See "PCB FOOTPRINT TOP VIEW" for requirements.
- Requires (4) Four #2-56 screws and PEM nuts for mounting (mounting holes size shown may differ depending on PEM nut selected).
- Sockets must be handled with care when mounting or removing sockets to/from BIB to avoid damaging sensitive spring contacts.



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 part numbers. Factory will supply socket drawing with "A-H" dimensions. Legible dimensioned device drawing required at quote request and time of order.



ALL DIMENSIONS: INCHES [MILLIMETERS] EXCEPT AS DESIGNATED BY mm



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