



High Frequency Center Probe Test Socket for Devices from 14 to 27mm Sq.

FEATURES:

- For Test & Dynamic Burn-In of CSP, MicroBGA, DSP, LGA, SRAM, DRAM and Flash Devices.
- Any pitch device on 0.50mm to or larger.
- Pressure mounting, no soldering required.
- 4 Point crown insures "scrub" on solder balls, raised tip provides "scrub" on pads.
- Signal path during test only .077" (1.95mm)
- Accommodates any package up to 27mm².
- Small overall socket size/profile allows maximum number of sockets per BIB and BIB's per oven, while being operator friendly.

SPECIFICATIONS:

- Molded socket components are UL94V-0 PEEK and/or Ultem.
- Pin Inductance: 0.51nH (Large Probe).
- Contact Resistance: < 40 milliohms
- 1dB Bandwidth to 10.1Ghz (0.80mm pitch) (large probe).
- Estimated Contact Life: 500,000 cycles.
- Compression spring probes are heat treated Beryllium Copper Alloy with 30u" min. [.75um] Gold per Mil-G-45204 over 30u" min. [.75um] Nickel per QQ-N-290.
- Contact Force = 9-12g per contact on 0.50 - 0.75mm pitch
17-20g per contact on 0.80mm pitch or larger.
- Operating Temperature = -55°C (min.) to 150°C (max.); -67°F (min.) to 302°F (max.).
- All Hardware is Stainless Steel.

MOUNTING CONSIDERATIONS:

- Socket is mounted with (4) four #4-40 screws (to be removed at time of socket mounted to PCB) or a tapped, insulated backing plate to be used on underside of PCB for high pin count applications.
- Sockets must be handled with care when mounting or removing sockets to/from PCB.
- Test board PCB diameter = .025" (0.635mm) (large probe)
= .016" (0.40mm) (small probe)



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.

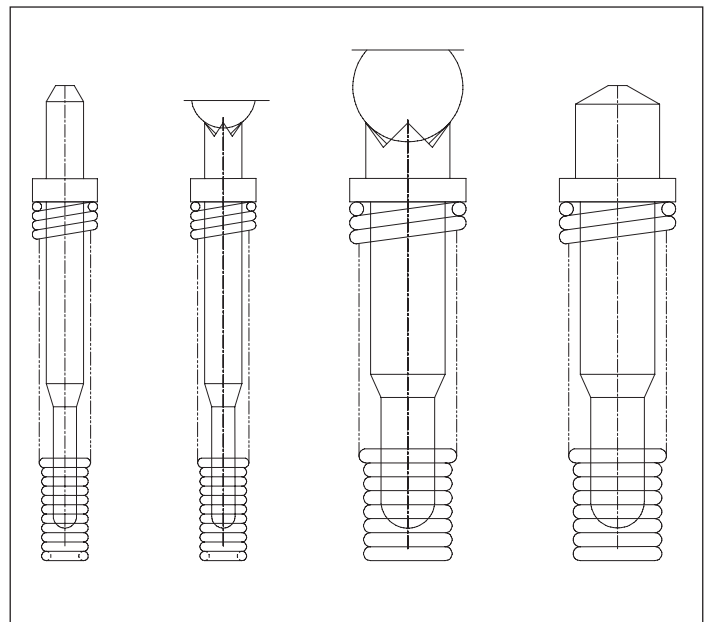
ORDERING INFORMATION

CONSULT FACTORY

PATENT PENDING

**See Datasheet 24008
for packages up to 13mm**

SPRING
PROBES



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