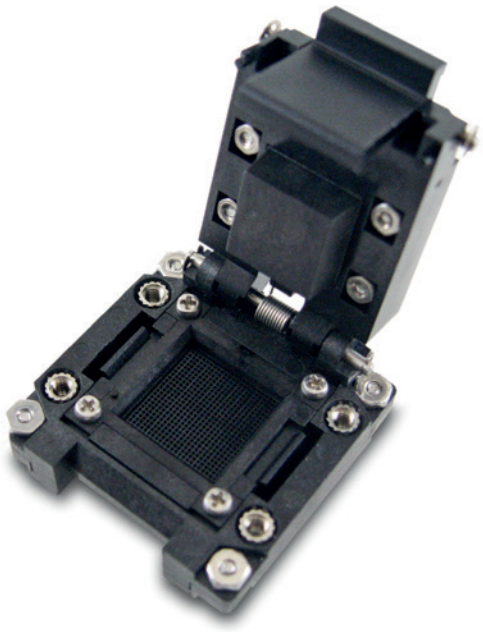
M-Series H-Pin Socket

Accelerated life testing solution



Burn-in sockets using H-Pin technology for high-reliability testing of next-generation IC packages

Benefits

- Industry-proven design, in-house tooling, molding, and machining, with 100% automated assembly.
- Extensive catalog of components and configurable options
- Proven track record of reducing the cost of test leveraging modular components, automated assembly, and short lead times.
- Exceptional electrical performance provides wide RF bandwidth.

Feature Options

- Spring loaded plunger
- Heat sink
- HAST venting features
- Integrated thermal control with heater and sensor
- Reverse seating plane
- Max component clearance under the DUT
- 2 or 3 plate systems
- High temperature materials for above 200 °C applications

M-Series socket has long been the gold standard for reliability and out-of-the-box performance burn-in sockets. The high-quality components have been refined and enhanced over their lifetime for optimum performance and the highest quality.

M-Series being one of the most mature products in the portfolio does not mean it lacks technology. In fact, quite the opposite, the M-Series offers all the same configurable features and high-performance H-Pin™ contact technology to exceed performance expectations of the most demanding applications. The M-Series has been trusted to deliver uncompromised performance generation after generation.

The small outline footprint provides design flexibility and allows for high socket density on the burn-in board.

M-Series socket specifications

Mechanical properties

- **Pitch**: ≥0.35 mm
- **Package size**:
  LGA: 0.6 mm to 16 mm
  BGA: 0.6 mm to 16 mm
- **Pin count**: 1200+
- **Temperature**: −55 °C to 200+ °C

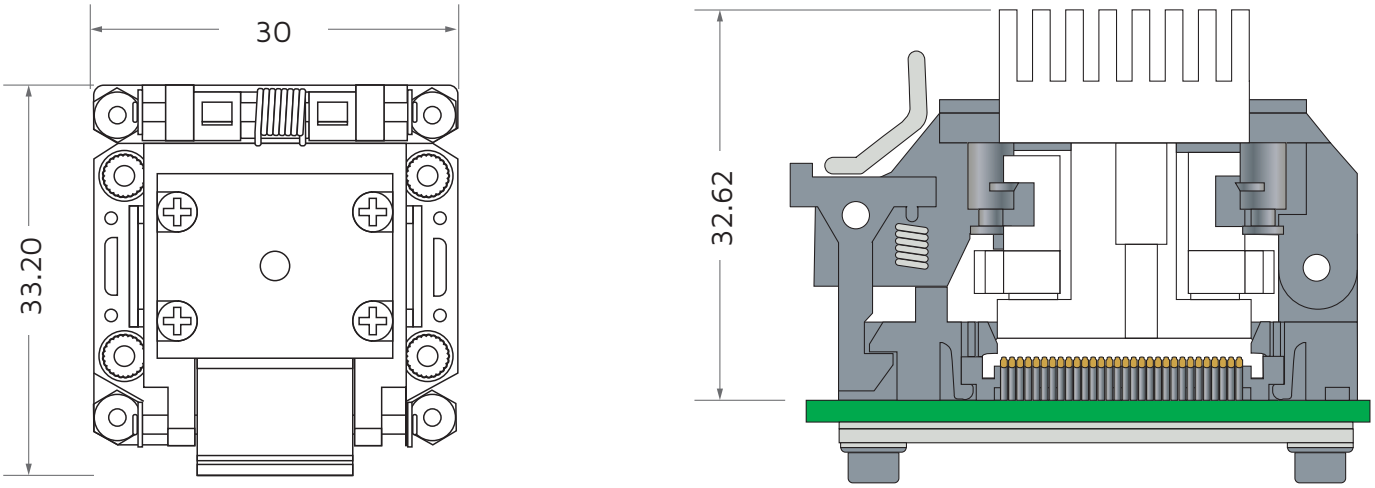
Electrical properties

- **Contact resistance**: 35 mΩ
- **Current carrying capacity**: up to 4 A

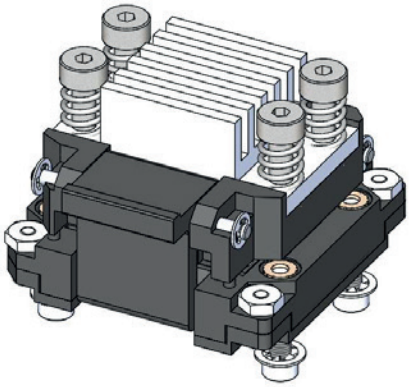
Materials

- **Contact**: BeCu/Au plated
- **Spring**: SS/Au plated
- **Socket**: Engineering plastics

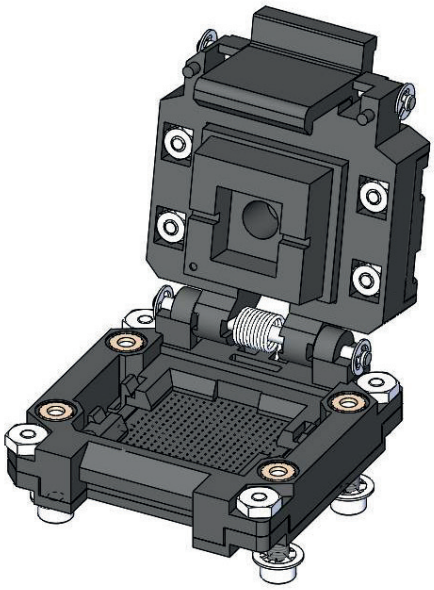
M-Series socket dimensions



Dimensions are in mm.



Heat sink, heater, and RTD



Spring-loaded plunger