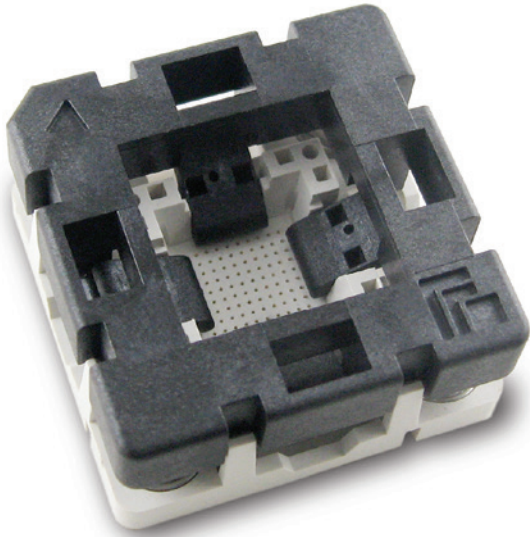


# R-Series H-Pin Socket

Accelerated life testing solution



The R-Series product line is an open-top reliability socket used for accelerated life testing. With versions of the compression mount open-top design available as a drop-in replacement for other legacy products on the market, there is no need to purchase new burn-in boards.

The open-top design allows for autoloading, and un-loading of the integrated circuit. The small socket footprint outline allows you to utilize the full resources available in the burn-in system for each burn-in board.

Each socket uses the H-Pin™ contact technology providing wide RF performance capabilities and exceptional DC characteristics. The Q-Series socket checks all the boxes: high frequency, high current, high temperature, low inductance, and low loss. These features contribute to lower the cost of tests.

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

## Benefits

- Industry-proven design, In-house tooling, moulding and machining with 100% automated assembly.
- Extensive catalogue of components, configurable options
- H-Pin offers unmatched DC performance.

## Feature Options

- Auto IC loading / un-loading compatible
- High temperature materials for above 200 °C applications
- Drop-in replacement for legacy products

## Series Type

### RE

5 mm to 9 mm package size range for QFN, LGA, and BGA

### R

10 mm to 14 mm package size range for QFN and LGA

- 10 mm to 13 mm package size range for BGA
- Drop in replacement for legacy designs

### RL

16 mm to 19 mm package size range for QFN, LGA, and BGA

## R-Series socket specifications

### Mechanical properties

- **Pitch:**  $\geq 0.35$  mm
- **Package size:**  
LGA: 2 mm to 19 mm  
BGA: 2 mm to 19 mm
- **Pin count:** 200+
- **Temperature:**  $-55^{\circ}\text{C}$  to  $260^{\circ}\text{C}$

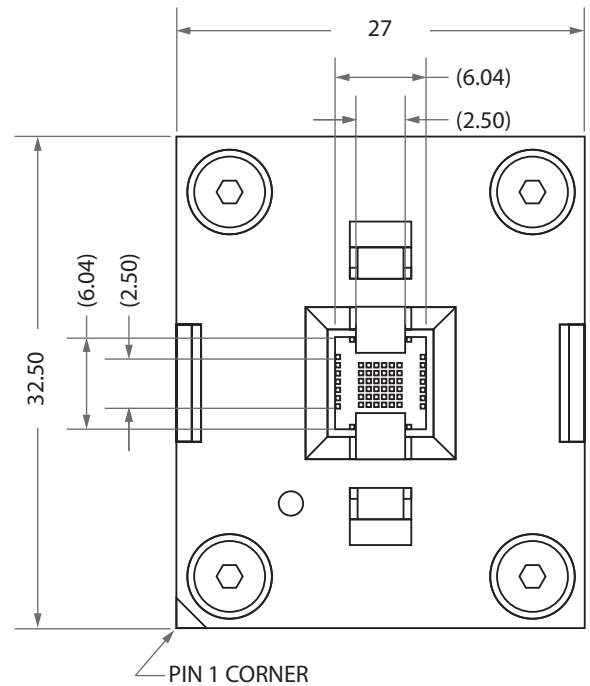
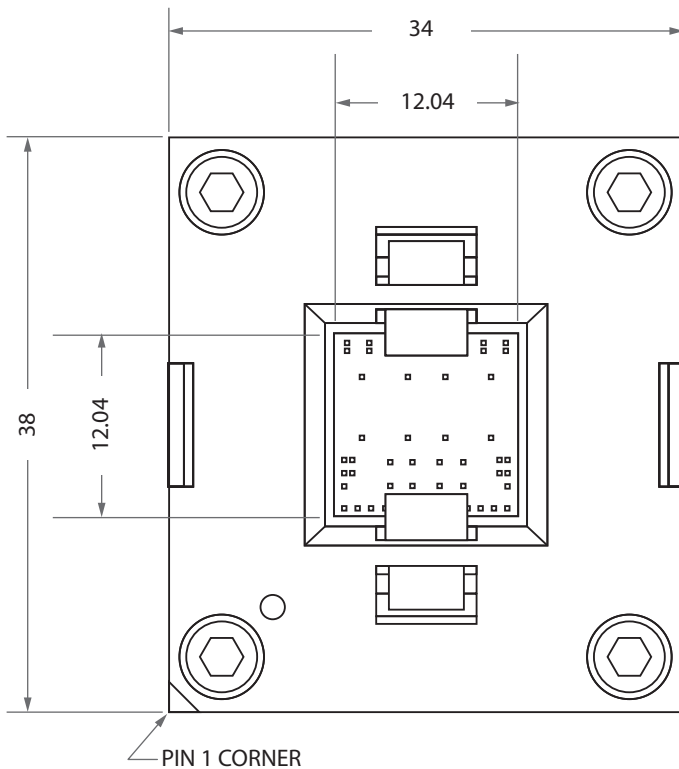
### Electrical properties

- **Contact resistance:** 35 m $\Omega$
- **Current carrying capacity:** up to 4 A

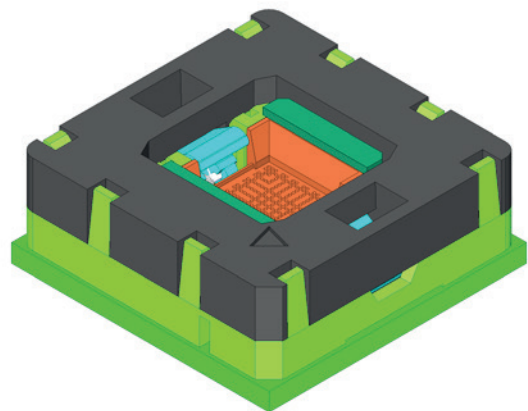
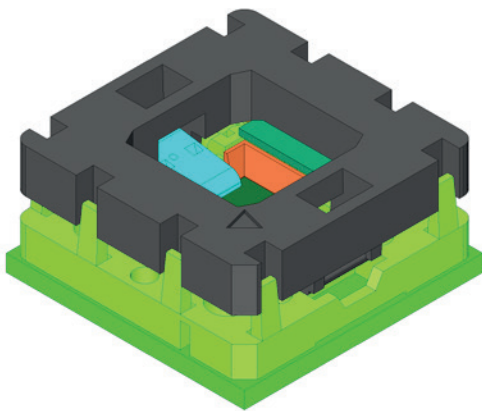
### Materials

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

## R-Series socket dimensions



Dimensions are in mm.



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