

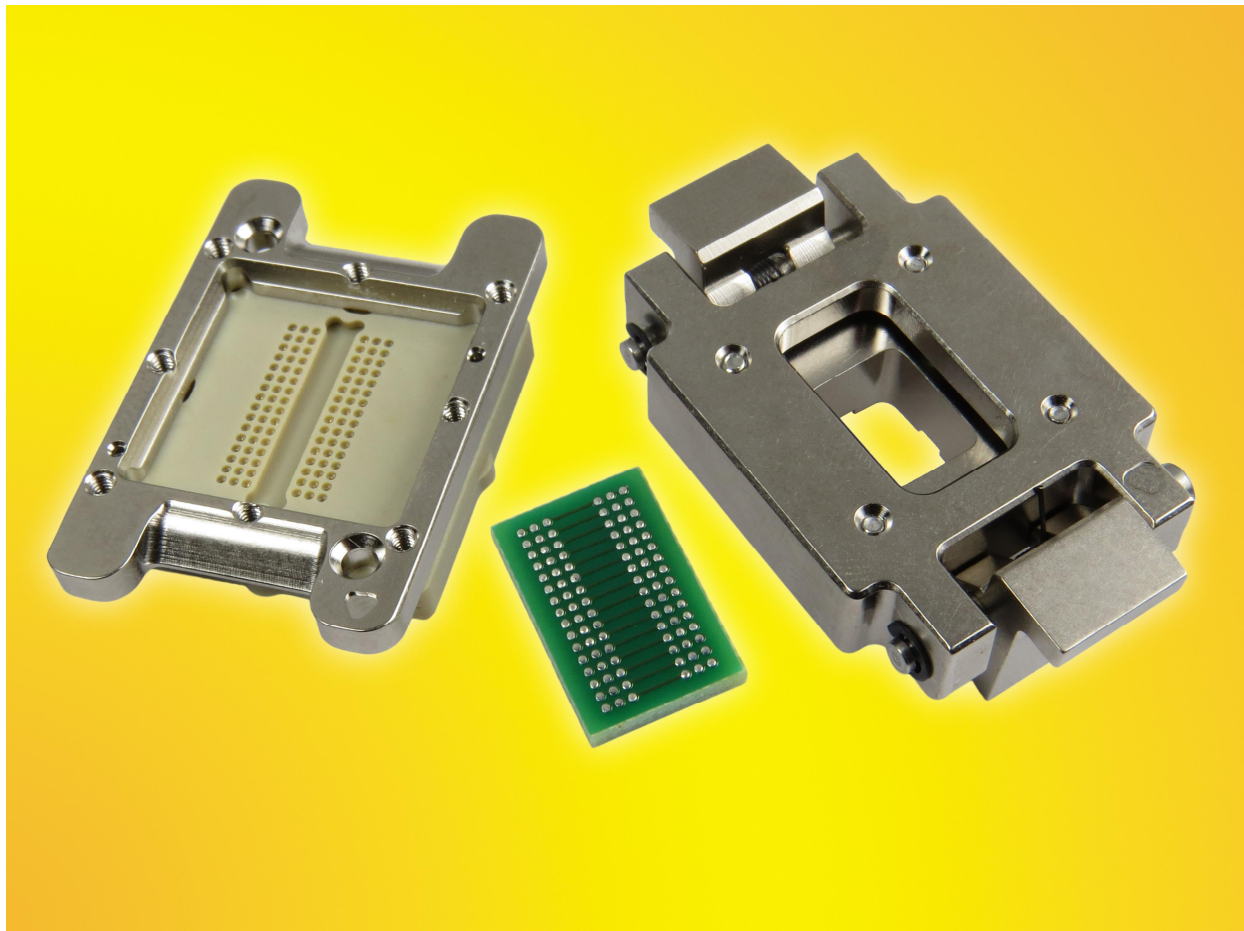


Ironwood
ELECTRONICS

Stamped Spring Pin Universal BGA Socket for Memory Devices

Socket your 96, 78, 64 pin BGA using Extreme Temperature Socket with Superior Electrical Performance

EAGAN, MN - May, 2016 - Ironwood Electronics recently introduced a new **BGA socket** addressing high performance requirements for memory devices - CBT-BGA-6048. The contactor is a **stamped spring pin** with 31 gram actuation force per ball and cycle life of 125,000 insertions. The self inductance of the contactor is 0.88 nH, insertion loss < 1 dB at 15.7 GHz and contact resistance is <30mOhms. The current capacity of each contactor is 4 amps at 60C temperature rise. Socket temperature range is -55C to +180C. Socket also features a floating guide for precise ball to pin alignment. The specific configuration of the package to be tested in the CBT-BGA-6048 is a BGA, 9x14mm, 0.8mm pitch, 96 position, 16x9 ball array. The socket also comes with 4 different inserts which are used when testing 78 pin and 64 pin memory devices with different IC size. The socket is mounted using supplied hardware on the target PCB with no soldering, and uses smallest footprint for nearby passive components. Socket uses 5 post stiffener plate to support back side of the PCB and allows passive components to be placed in between posts. This socket utilizes double sided latch with integrated compression mechanism. To use, place the BGA device into the socket base and close the socket lid assembly on to the base using the latch. Spring loaded integrated compression plate applies downward pressure. This socket can be used for hand test and temperature characterization as well as debugging application in development and memory comparison between various manufacturers.



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