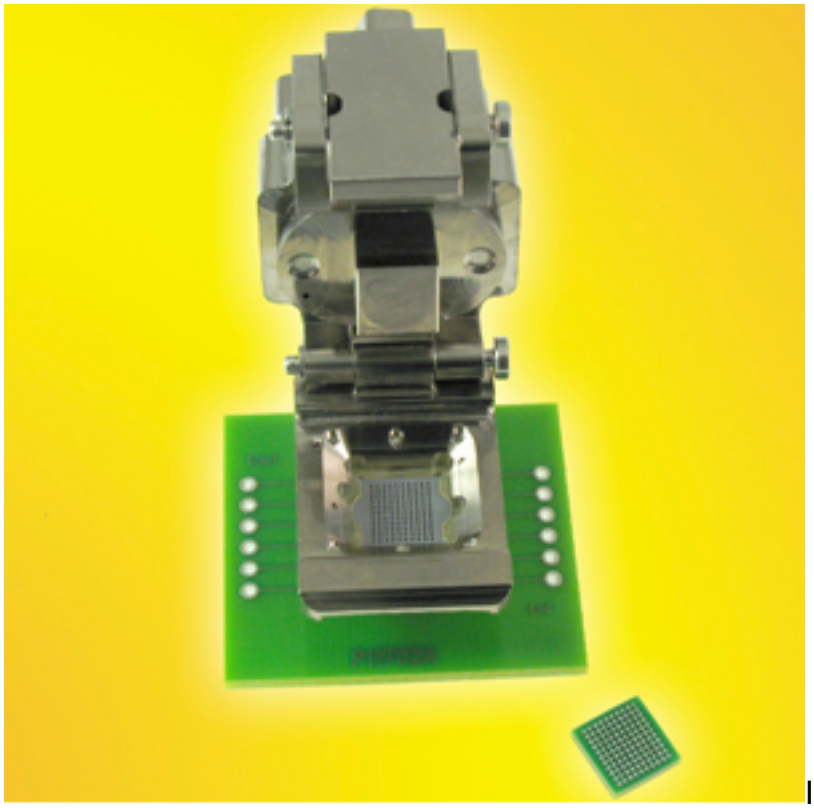
Stamped spring pin features 26 gram actuation force per ball and cycle life of 500,000 insertions



Ironwood Electronics recently introduced a new BGA socket [1] addressing high performance requirements for testing BGA devices - CBT-BGA-7010. The contactor is a stamped spring pin [2] with 26 gram actuation force per ball and cycle life of 500,000 insertions. The self inductance of the contactor is 0.88 nH, insertion loss < 1 dB at 15.7 GHz and capacitance 0.097pF. The current capacity of each contactor is 4 amps at 80C 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-7010 is a BGA, 7.8x8mm, 0.65mm pitch, 110 position, 10x11 ball array. The socket is mounted using supplied hardware on the target PCB with no soldering, and uses clearances in the footprint for nearby passive components. To use, place the BGA processor into the socket base and lock the clamshell socket lid on to the base using the latch. This socket can be used for hand test and quick device screening applications with the most stringent requirements.

Pricing for the CBT-BGA-7010 is $639 at qty 1 with reduced pricing available depending on quantity required.

http://www.ironwoodelectronics.com [3]

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http://www.ecnmag.com/product-releases/2012/12/stamped-spring-pin-features-26-gram-actuation-force-ball-and-cycle-life-500000-insertions?qt-most_popular=0

Links:
[1] http://www.ironwoodelectronics.com/products/sockets/sockets_list.cfm
[2] http://www.ironwoodelectronics.com/products/sockets/sbt.cfm
[3] http://www.ironwoodelectronics.com/press/PressReleasePhotos/C11987a_highres.jpg