



**Ironwood**  
ELECTRONICS

## Production test Socket for BGA243

### Socket and Test your 12x12mm BGA device using extreme temperature socket

EAGAN, MN - December, 2014 - Ironwood Electronics recently introduced a new [Stamped spring pin socket](#) addressing high performance requirements for testing BGA243 - CBT-BGA-7020. The contactor is a [stamped spring pin](#) with 31 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 40C temperature rise. Socket temperature range is -55C to +180C. Socket also [features](#) a clamshell lid for ease of operation. It also has an integrated compression plate for vertical force without distorting device position. The specific configuration of the package to be tested in the CBT-BGA-7020 is a BGA, 12x12mm, 0.6mm pitch with 243 balls. The socket is mounted using supplied hardware on the target PCB with no soldering, and uses the smallest footprint in the industry. The smallest footprint allows inductors, resistors and decoupling capacitors to be placed very close to the device for impedance tuning. To use, place BGA device into the socket and close the lid by snapping to the latch. Vertical force is applied by turning the compression screw.



This socket can be used for quick device screening, device characterization at extreme temperatures as well as final production test.

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**B.C.E. S.r.l.** - Via Regina Pacis, 54/c - I 41049 Sassuolo (MO), Italy

Tel: (+39) 0536 811616

Fax: (+39) 0536 811500

E-mail: [bce@bce.it](mailto:bce@bce.it)

Web: [www.bce.it](http://www.bce.it)