



Ironwood
ELECTRONICS

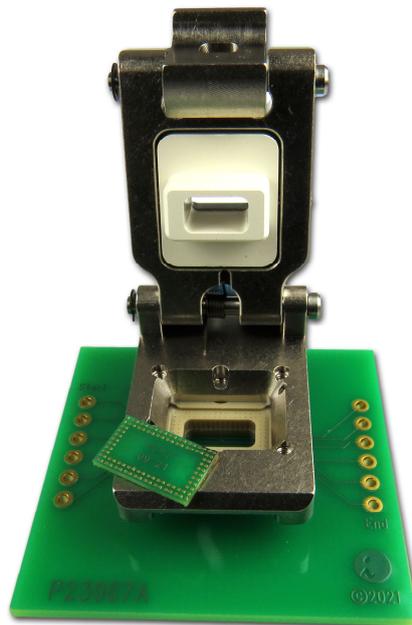


High Performance
Sockets & Adapters

Spring Pin Socket for LGA104

Socket your LGA104 using Extreme Temperature Socket with Superior Electrical Performance

EAGAN, MN - February, 2021 Ironwood Electronics recently introduced a new [LGA socket](#) addressing high performance requirements for 0.52mm pitch LGA104 – **CBT-LGA-5031**. The contactor is a [stamped spring pin](#) with 14 gram actuation force per pin and cycle life of 125,000 insertions. The self inductance of the contactor is 0.98 nH, insertion loss of < 1 dB at 10GHz and capacitance 0.097pF. The current capacity of each contactor is 4 amps. Socket temperature range is -55C to +180°C. Socket also features an IC guide for precise LGA edge alignment. The specific configuration of the package to be tested in the **CBT-LGA-5031** is LGA, 10x5.84mm body size, 19x11 array and 0.52mm pitch. To use, drop IC into the socket, snap close clamshell lid. Vertical force is applied by the integrated compression plate between the clamshell lid and device. This socket can be used for device characterization, screening modules and custom burn-in applications with the most stringent requirements.



CBT-LGA-5031 socket features a unique contact design with outside spring and flat stamped plungers that provide a robust solution for Burn-in & Test applications including excellent electrical signal integrity to meet the requirements of today's demanding analog, digital, RF, Bluetooth and medical device applications. The socket is mounted using supplied hardware on the target PCB with no soldering, and uses 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. The clamshell socket lid incorporates a quick installation method so that IC's can be changed out quickly.

(February 2021)

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

Web: www.bce.it