



Ironwood
ELECTRONICS

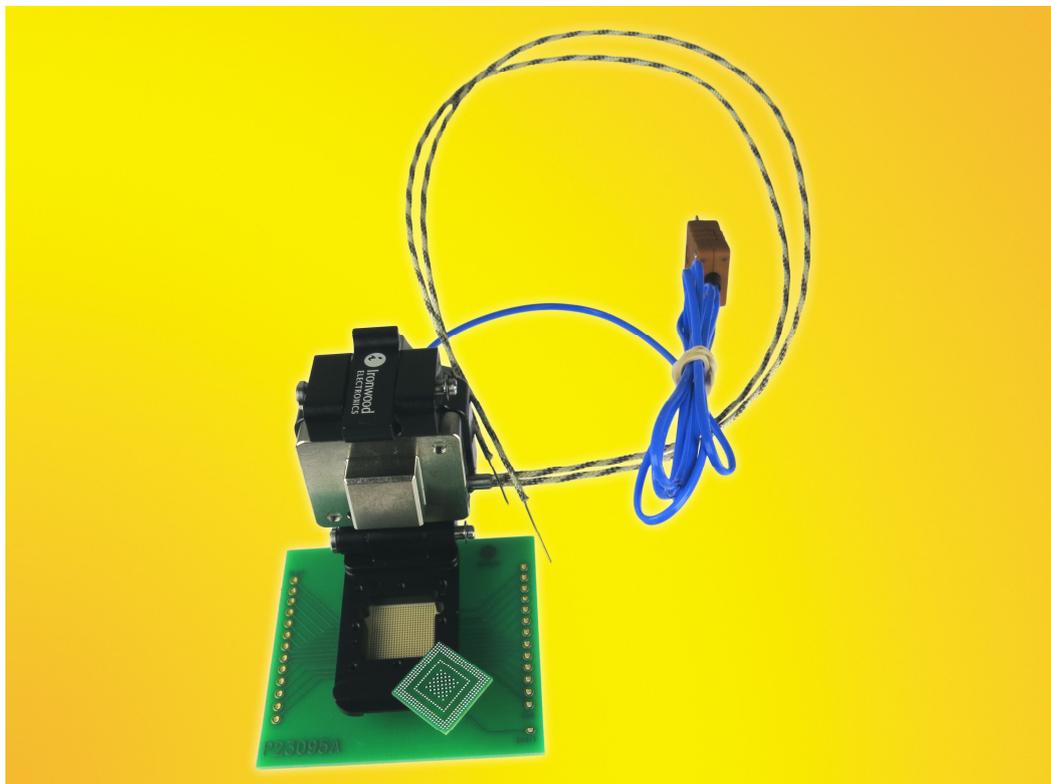


High Performance
Sockets & Adapters

Clamshell Production Test Socket for ASE's 361 LFBGA

Socket and Test your 13x13mm BGA device using extreme temperature socket

EAGAN, MN - October, 2020 - Ironwood Electronics recently introduced a new [Stamped spring pin socket](#) addressing high performance requirements for testing BGA361 - **CBT-BGA-7056**. 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 capacitance 0.097pF. The current capacity of each contactor is 4 amps at 40C temperature rise. Socket temperature range is -55C to +180 °C. Socket [features](#) a clamshell lid design for ease of chip replacement in production environment. It also has an integrated compression plate for vertical force actuation without distorting device position. The specific configuration of the package to be tested in the **CBT-BGA-7056** is a BGA, 13x13mm, 0.5mm pitch 25x25 array with 361 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. Socket features a central hole for thermocouple to be placed close to the device top surface and the socket has side hole where the heater can be placed to heat the device to specific temperature. This socket can be used for quick device screening, device characterization at extreme temperatures as well as final production test.



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