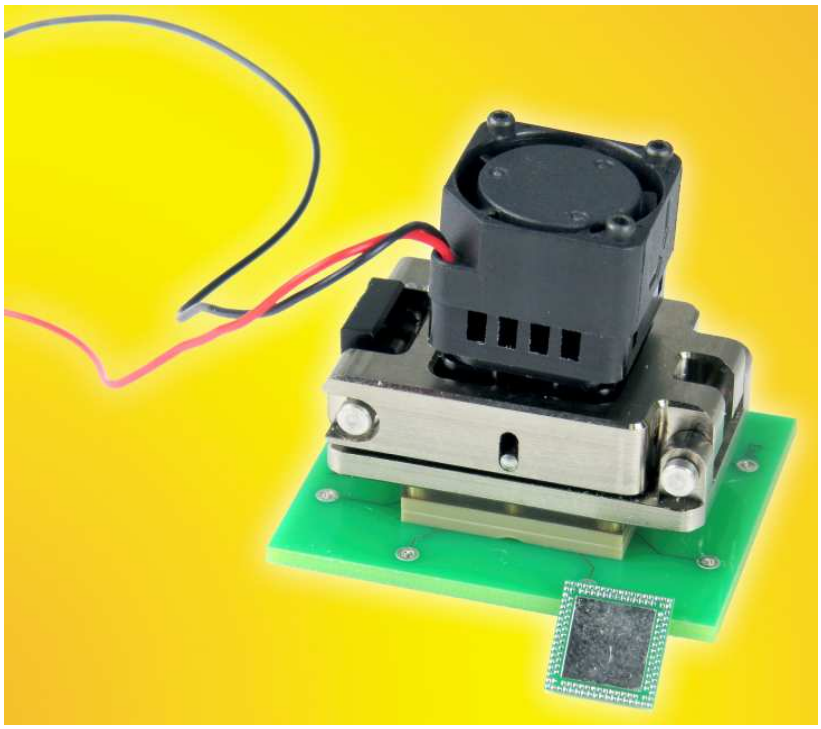
Ironwood ELECTRONICS

Production test Socket for Unisem's 124 ld QFN with ePad

Socket and Test your 9x9mm QFN device using extreme temperature socket

EAGAN, MN - September, 2013 - Ironwood Electronics recently introduced a new Stamped spring pin socket addressing high performance requirements for testing Unisem's 124 lead QFN - CBT-QFN-7031.
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 and a 3 watt heat sink with small DC fan. It also has a wave spring with swivel compression plate for vertical force without distorting device position. The specific configuration of the package to be tested in the CBT-QFN-7031 is a QFN, 9x9mm, 0.5mm pitch, 124 positions with center ground pad. 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 QFN device into the socket and close the lid by snapping to the latch.



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

(September, 2013)