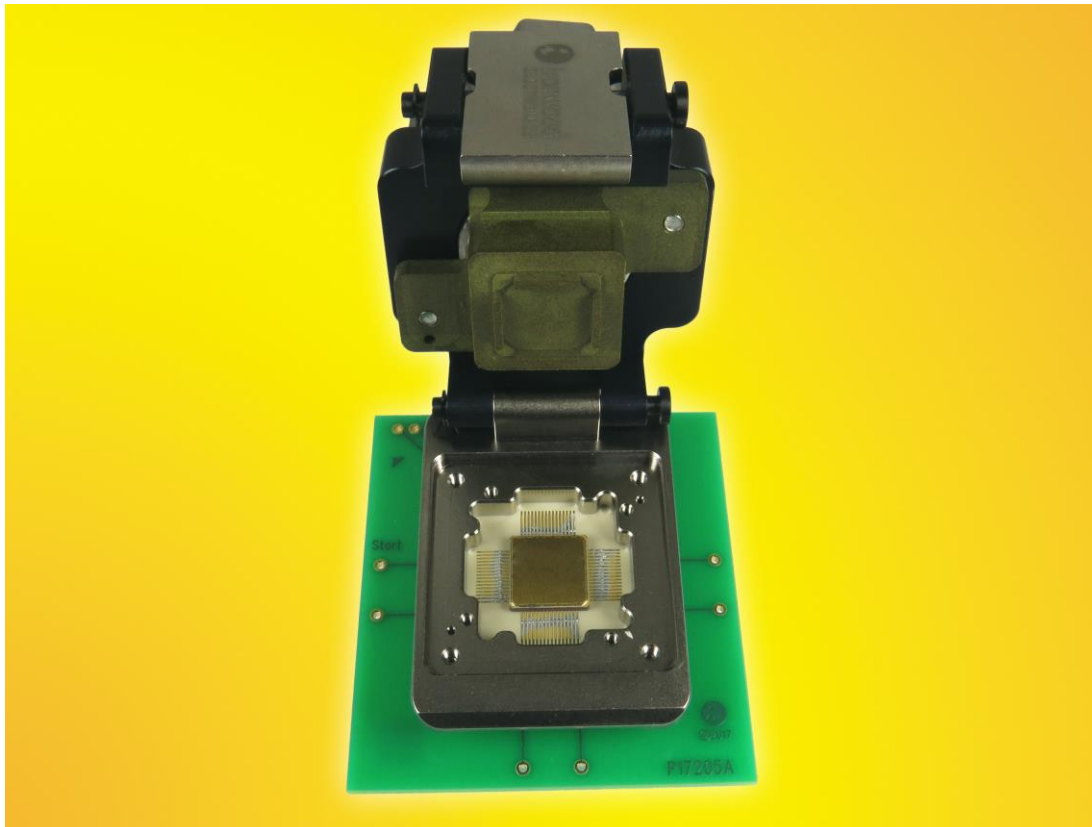


Production test Socket for Leaded Ceramic Device

Socket and Test your 64 lead Flat pack device using extreme temperature socket

EAGAN, MN - February, 2017 - Ironwood Electronics recently introduced a new [Stamped spring pin socket](#) addressing high performance requirements for testing 64 lead flat pack - CBT-QFE-3011. The device is to operate at frequencies up to 3.2 GHz, accounting for some harmonics that could be higher frequency. To test these devices, a high performance contact is needed. The contactor used in CBT-QFE-3011 socket is a [stamped spring pin](#) with 17 gram actuation force per ball and cycle life of 10,000+ insertions. The self inductance of the contactor is 0.88 nH, insertion loss < 1 dB at 15.7 GHz and capacitance 0.03pF. The current capacity of each contactor is 2 amps. Socket temperature range is -55C to +180C. Socket also [features](#) a clamshell lid for ease of operation and it accommodates various ceramic cap heights. The socket lid has an integrated compression plate for vertical force without distorting device position. The socket also features precise lead positioning guide that aligns each lead to the corresponding spring pin. The specific configuration of the package to be tested in the CBT-QFE-3011 is a Ceramic Flat Pack, 10.9mm square, 0.5mm pitch, 20mm lead tip to tip distance with 64 leads. 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. Center gold plated copper slug provides good electrical/thermal connection to between the ground pad of the device and the target PCB. To use, place ceramic leaded device into the socket, close the lid by snapping to the latch and apply downward force 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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