



**Ironwood**  
ELECTRONICS

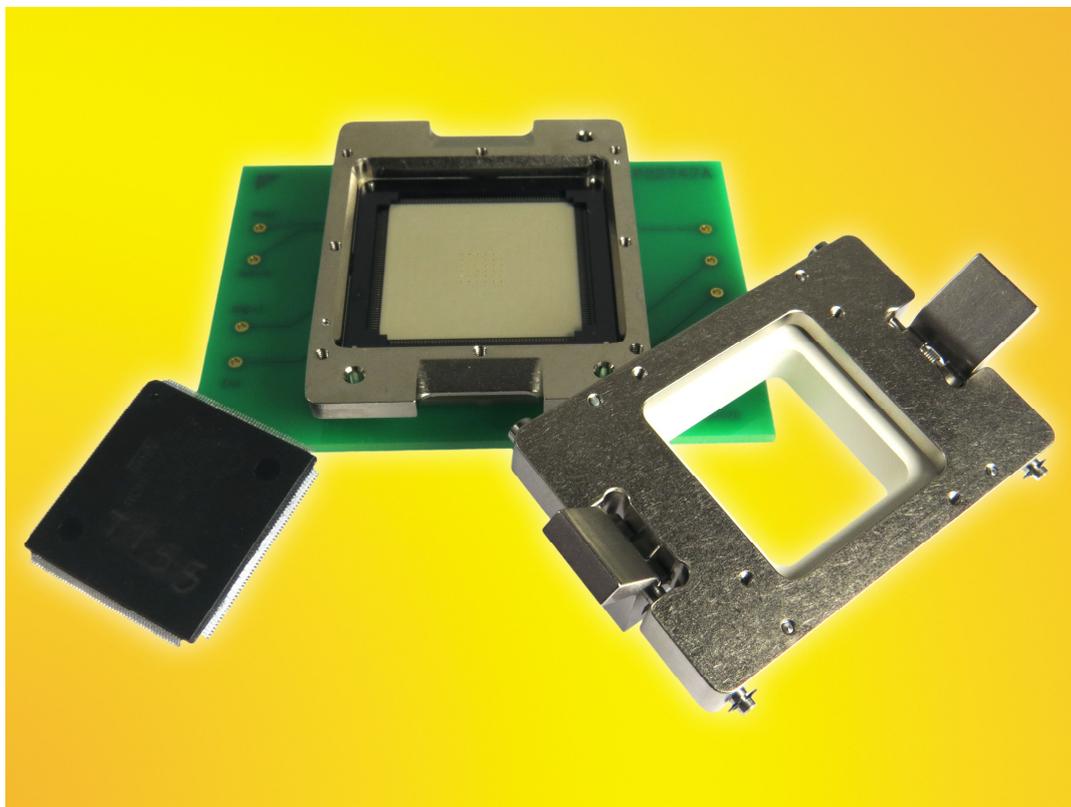


**High Performance**  
**Sockets & Adapters**

## Open top Socket for QFP216

***Socket and Test your 216 lead Quad Flat pack device using extreme temperature socket***

EAGAN, MN - July, 2020 - Ironwood Electronics recently introduced a new [Stamped spring pin socket](#) addressing high performance requirements for testing 216 lead Quad flat pack - **CBT-QFE-3021**. The contactor used in **CBT-QFE-3021** socket is a [stamped spring pin](#) with 14 gram actuation force per lead and cycle life of 125,000+ insertions. The self inductance of the contactor is 0.88 nH, insertion loss < 1 dB at 31.7 GHz and capacitance 0.03pF. The current capacity of each contactor is 2.9 amps. Socket temperature range is -55 °C to +180 °C. Socket also [features](#) an open top lid with double sided latch for ease of operation. The center square opening on the lid allows ease of access to the device top side. 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-3021** is a Quad Flat Pack, 24mm square, 0.4mm pitch, 26mm lead tip to tip distance with 216 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 array of spring pins provides good electrical/thermal connection between the ground pad of the device and the target PCB. To use, place QFP device into the socket, close the lid by snapping to the latch and the downward force is applied by the integrated spring mechanism. This socket can be used for quick device screening as well as device characterization at extreme temperatures.



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