



**Ironwood**  
ELECTRONICS

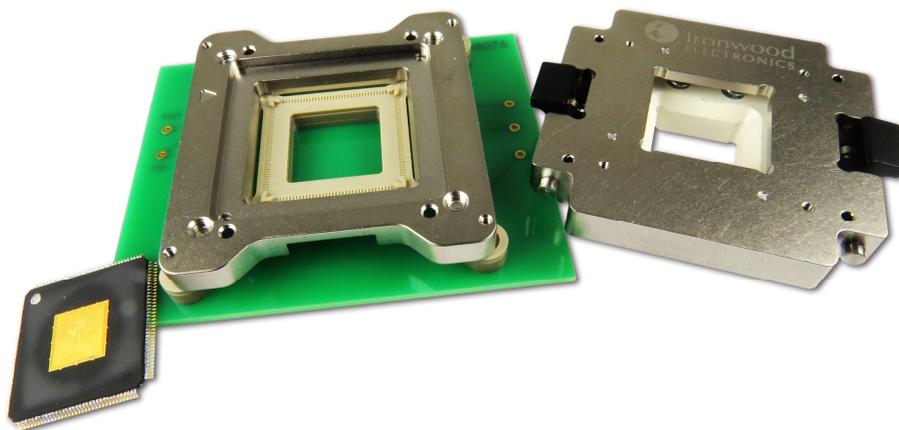


**High Performance**  
**Sockets & Adapters**

## Double Latch open top Socket for TQFP144

*Socket and Test your 144 lead Quad Flat pack device using extreme temperature socket*

EAGAN, MN - July, 2021 Ironwood Electronics recently introduced a new [Stamped spring pin socket](#) addressing high performance requirements for testing 144 lead Quad flat pack - **CBT-QFE-3025**. The contactor used in **CBT-QFE-3025** 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 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 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-3025** is a Thin Quad Flat Pack, 20mm square, 0.5mm pitch, 22mm lead tip to tip distance with 144 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 opening in the bottom side of socket is designed such that thermal dissipation of device ePAD can be accommodated with external heat sink through the target PCB on the bottom side. To use, place QFP device into the socket, close the lid by snapping to the latch and the downward force is applied by integrated compression spring plate. This socket can be used for quick device screening as well as device characterization at extreme temperatures.



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