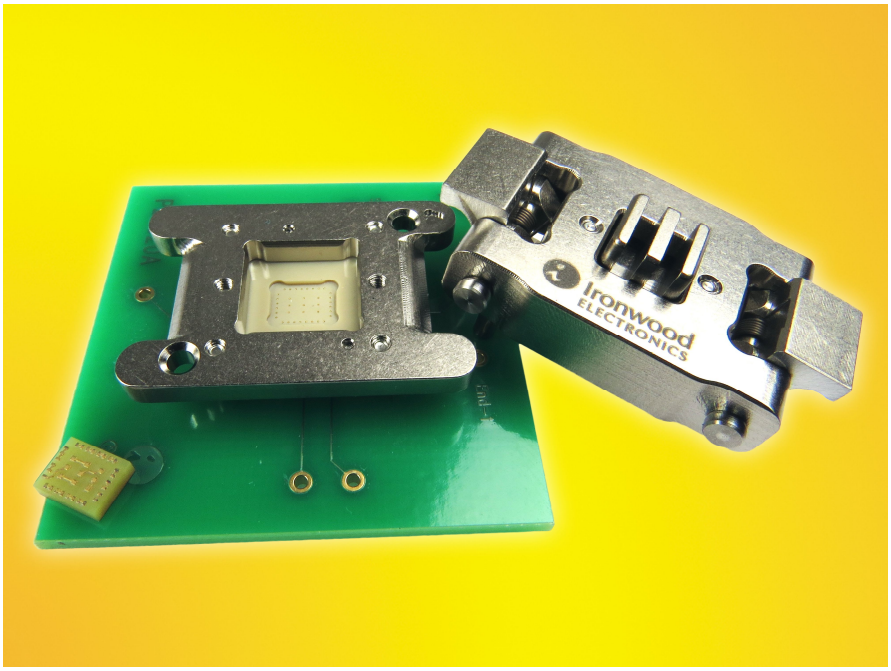
Ironwood ELECTRONICS

RoHS High Performance Sockets & Adapters

Removable Lid Spring Pin Socket for QFN28

Socket your QFN28 using Extreme Temperature Socket with Superior Electrical Performance

EAGAN, MN - September, 2020 - Ironwood Electronics recently introduced a new QFN socket addressing high performance requirements for custom size devices - **CBT-QFN-7071**. The contactor is a stamped spring pin with 14.5 gram actuation force per pin and cycle life of 100,000 insertions. The self inductance of the contactor is 0.98 nH, insertion loss of < 1 dB at 31.7 GHz and capacitance 0.067pF. The current capacity of each contactor is 4 amps. Socket temperature range is -55°C to +180°C. Socket also features an IC guide pocket inside the top pin guide for precise QFN edge alignment. The specific configuration of the package to be tested in the **CBT-QFN-7071** is QFN, 5.4x4.4mm body size and 0.5mm pitch. To use, drop IC into the socket, close the removable lid by latching. Vertical force is applied by the integrated compression springs between the socket lid and compression plate. Compression plate has fins and acts as heat dissipater by contacting the integrated heat-slug of the package. This socket can be used for hand test, screening modules and custom burn-in applications with the most stringent requirements.



These socket product lines have been designed to the JEDEC STD and are available for all standard configurations. Custom designs are also available. **CBT-QFN-7071** socket features a unique contact design with outside spring and flat stamped plungers that provide a robust solution for Burn-in & Test applications including excellent electrical signal integrity to meet the requirements of todayâ€™s demanding analog, digital, RF, Bluetooth and medical device applications. The socket is mounted using supplied hardware on the target PCB with no soldering, and uses 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. The removable socket lid incorporates a quick installation method using latch so that IC's can be changed out quickly.

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