



**Ironwood**  
ELECTRONICS

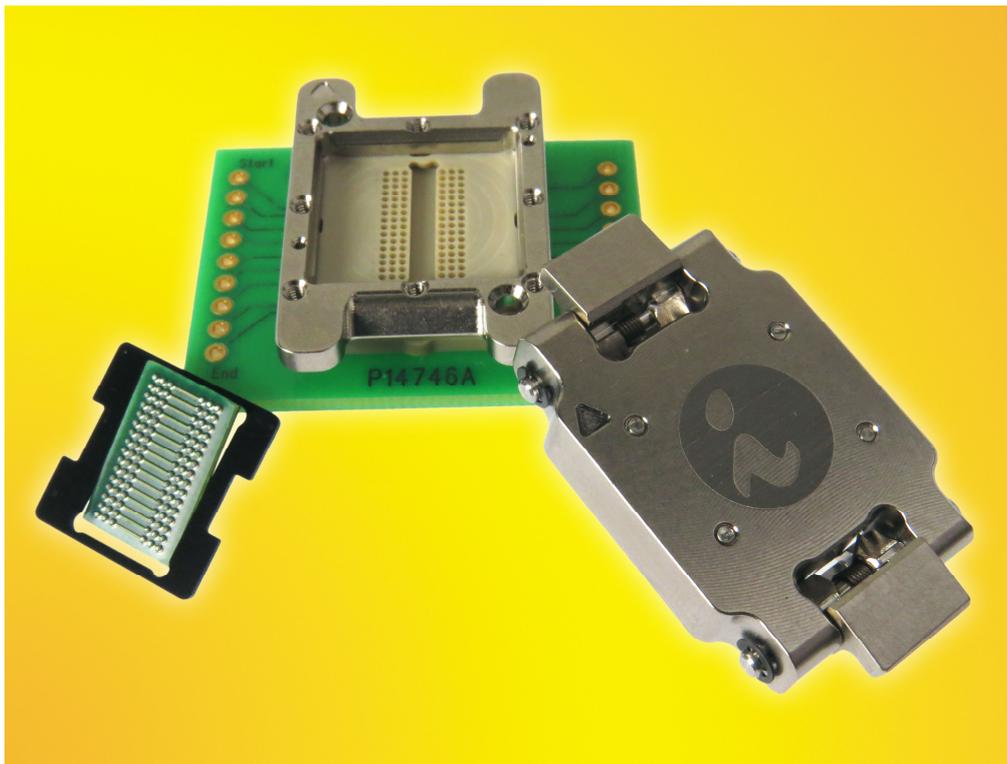


**High Performance**  
**Sockets & Adapters**

### Removable Lid Spring Pin Socket for DDR

*Socket your BGA96 using Extreme Temperature Socket with Superior Electrical Performance*

EAGAN, MN - December 2018 - Ironwood Electronics recently introduced a new [BGA socket](#) addressing high performance requirements for DDR - CBT-BGA-6081. The contactor is a [stamped spring pin](#) with 31 gram actuation force per pin and cycle life of 125,000 insertions. The self inductance of the contactor is 0.88 nH, insertion loss of < 1 dB at 15.7 GHz and capacitance 0.097pF. The current capacity of each contactor is 4 amps at 30C temperature rise. Socket temperature range is -55°C to +180°C. Socket also features a ball guide for precise device alignment. The specific configuration of the package to be tested in the CBT-BGA-6081 is BGA, 8x14mm body size and 0.8mm 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. This socket can be used for hand test, screening DDRs and 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-BGA-6081 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 today'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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