Ironwood ELECTRONICS

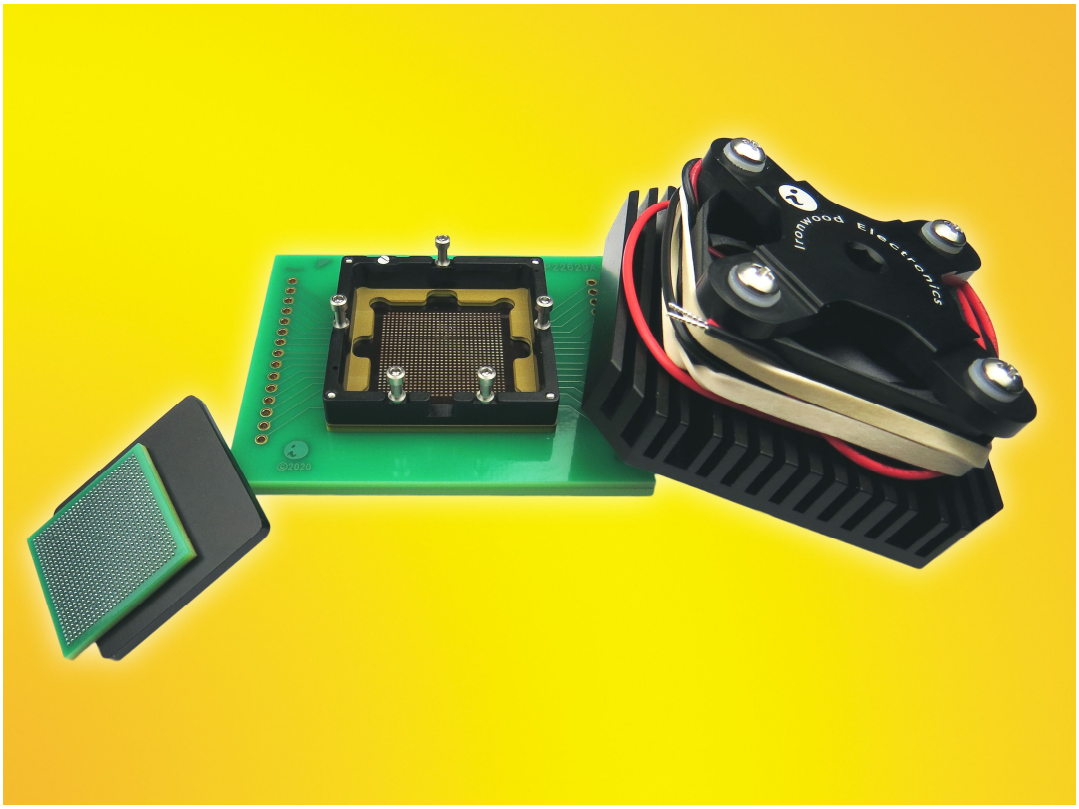
ISO 9001:2015 CERTIFIED

RoHS High Performance Sockets & Adapters

94GHz BGA Socket for BGA840

Quickly and easily Socket your mixed pitch 29x29 array, BGA840 packages on any application board with performance equivalent to direct solder version

EAGAN, MN - June, 2020 - Ironwood Electronics has recently introduced a new BGA socket design using high performance elastomer capable of 94GHz, very low inductance and wide temperature applications. The **GT-BGA-2135** socket is designed for 21x21 mm package size and operates at bandwidths up to 94GHz with less than 1dB of insertion loss. The socket is designed to dissipate 8.5 watts using a heat sink compression screw and an axial flow fan. The contact resistance is typically 30 milliohms per pin. The socket is mounted on the target PCB with no soldering, and uses very small real estate allowing capacitors/resistors to be placed close by. Other passive components can be placed on the back side of PCB by creating custom cutouts in the stiffener plate. The socket is constructed with sliding lid which incorporates a quick insertion method so that ICâ€™s can be changed out quickly. To use, place the device inside the socket, slide the lid and apply downward pressure by turning compression screw bracket mounted on top of the fan.



The **GT-BGA-2135** socket is constructed with high performance and low inductance elastomer contactor. The temperature range is -55 C to +160 C. Works with ICâ€™s such as 840 BGA, 21x21mm with 29x29 array with 0.65mm pitch.

(June 2020)