Ironwood ELECTRONICS

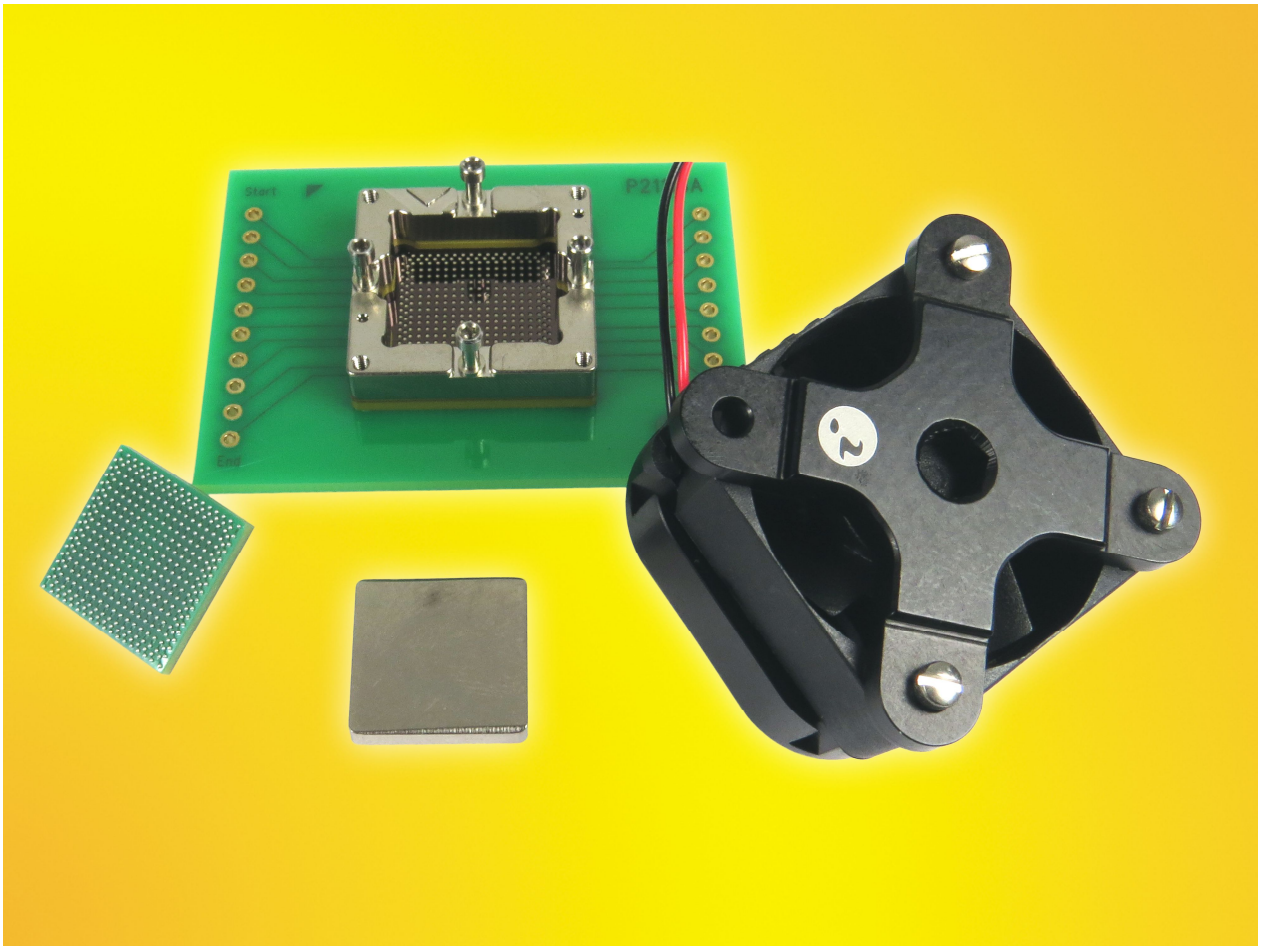
ISO 9001:2015 with design CERTIFIED

RoHS High Performance Sockets & Adapters

75GHz BGA Socket for NXP's BGA388

Quickly and easily Socket your mixed pitch 35x35 array, BGA388 packages on any application board with performance equivalent to direct solder version

EAGAN, MN - July, 2019 - Ironwood Electronics has recently introduced a new BGA socket design using high performance elastomer capable of 75GHz, very low inductance and wide temperature applications. The GT-BGA-2105 socket is designed for 15x15 mm package size and operates at bandwidths up to 75GHz with less than 1dB of insertion loss. The socket is designed to dissipate 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 swivel lid which incorporates a quick insertion method so that IC's can be changed out quickly. To use, place the device inside the socket, swivel the lid and apply downward pressure by turning compression screw bracket mounted on top of the fan.



The GT-BGA-2105 socket is constructed with high performance and low inductance elastomer contactor. The temperature range is -55 C to +160 C. Works with IC's such as 388 BGA, 15x15mm with 35x35 array and mixed pitch (min 0.56mm).

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