

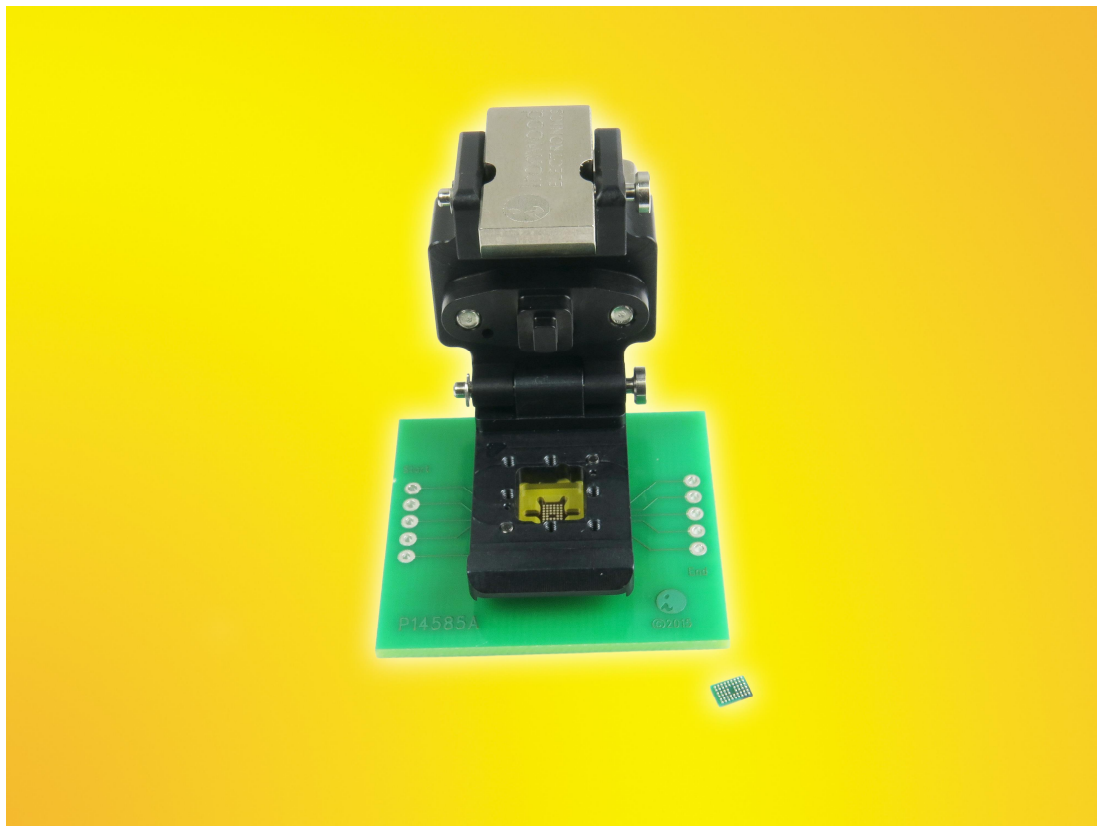


Ironwood
ELECTRONICS

75GHz Clamshell BGA Socket for Power Semiconductors

Quickly and easily Socket your 0.4mm pitch 6x9 array, 52BGA packages on any application board with performance equivalent to direct solder version

EAGAN, MN - April, 2015 - 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-2024 socket is designed for 2.64x3.94 mm package size and operates at bandwidths up to 75GHz with less than 1dB of insertion loss. The socket is designed to dissipate few watts using compression screw and can be customized up to 100 watts with modified fin design on top of the screw and adding 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 clamshell lid which incorporates a quick insertion method so that IC's can be changed out quickly. To use, place the device inside the socket, close the lid by latching and apply downward pressure by turning compression screw.



The GT-BGA-2024 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 BGA, 2.64x3.94mm with 6x9 array and 0.4mm pitch.

(May, 2015)

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