

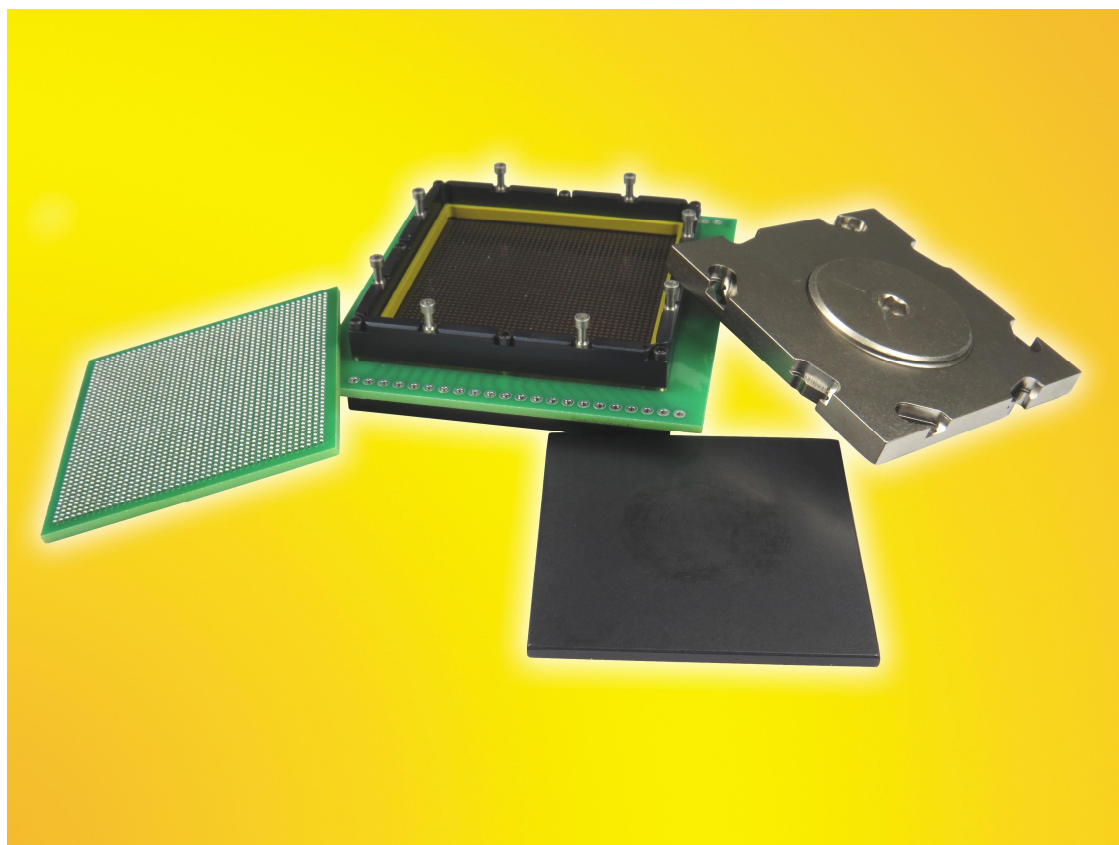


Ironwood
ELECTRONICS

8 GHz Bandwidth Socket for Xilinx FFVJ/FHGE/FHGJ1924 BGA Package

Quickly and easily Socket your 45mm square and 47.5mm square, 1mm pitch Xilinx BGA packages on any PCB without significant performance loss

EAGAN, MN - July, 2014 - Ironwood Electronics has recently introduced a new high performance BGA socket for 1mm pitch, 1924 pin BGA IC's. The SG-BGA-6409 socket is designed for two different IC sizes - 45x45 mm and 47.5x47.5mm package size and operates at bandwidths up to 8 GHz with less than 1dB of insertion loss. The sockets are designed to dissipate up to several watts without extra heat sinking and can handle up to 100 watts with custom heat sink. The contact resistance is typically 20 milliohms per pin. The socket connects all pins with 8 GHz bandwidth on all connections. The socket is mounted on the target PCB with no soldering, and uses industry's smallest footprint (only 2.5mm more on each side). The socket is constructed with shoulder screw and swivel lid which incorporates a quick insertion method so that IC's can be changed out quickly. The socket comes with drop in IC guide to accommodate the smaller IC size.



The SG-BGA-6409 socket is constructed with high performance and low inductance elastomer contactor. The temperature range is -35 C to +100 C. The pin self inductance is 0.15 nH and mutual inductance of 0.025 nH. Capacitance to ground is 0.01 pF. Current capacity is 2 amps per pin. Works with IC's such as Xilinx BGA, both 45mm square and 47.5mm square package with 44x44 array and 1mm pitch.

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