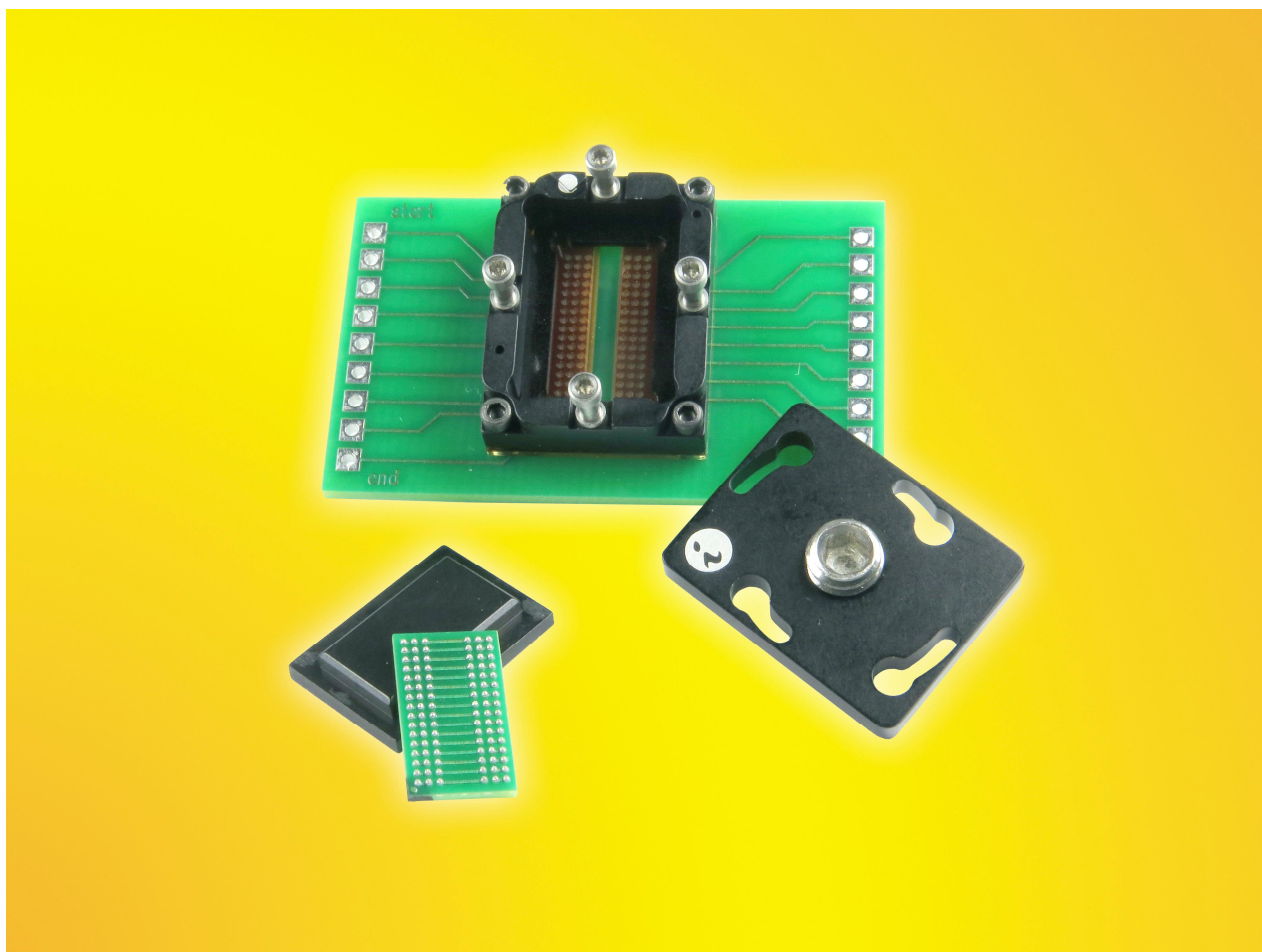




## 8 GHz Bandwidth Socket for DDR3 SDRAM

*Quickly and easily Socket your 0.8mm pitch, 9x16mm BGA package on any PCB without significant performance loss*

EAGAN, MN - September, 2014 - Ironwood Electronics has recently introduced a new high performance BGA socket for 0.8mm pitch, 96 pin BGA IC's. The SG-BGA-6410 socket is designed for multiple IC sizes - 8x14mm, 7.5x13mm, 9x13mm and 9x16mm 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 sizes.



The SG-BGA-6410 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 Hynix, Micron, Winbond DDR3 SDRAMs in BGA package with 16x9 array and 0.8mm pitch.

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