



**Ironwood**  
ELECTRONICS



**High Performance**  
**Sockets & Adapters**

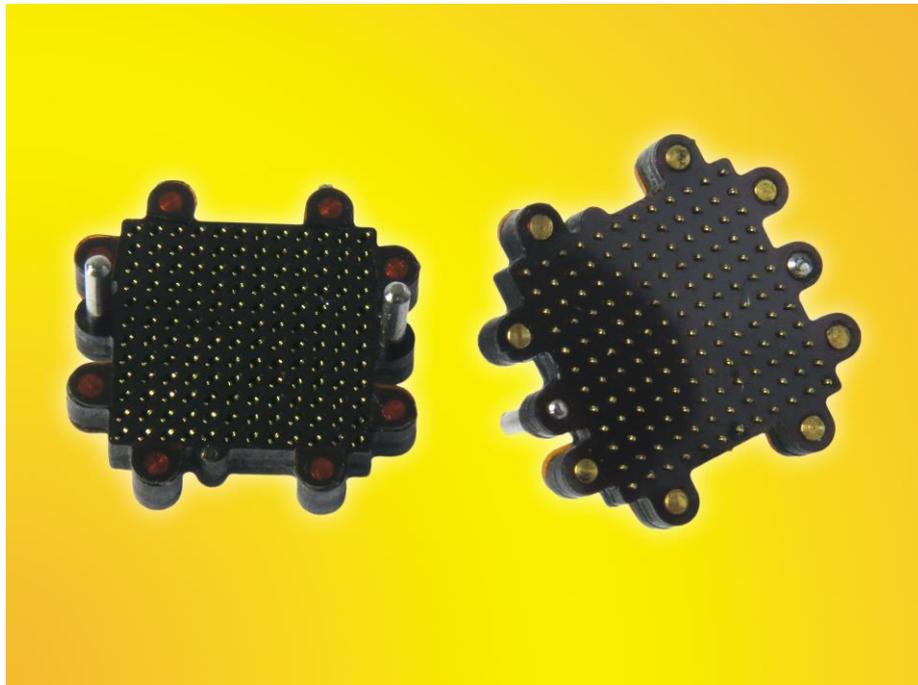
### Chip Size 0.65mm Pitch BGA Socket Adapter

*Users can socket their 144 pin 0.65mm pitch BGA with socket whose footprint same as IC footprint !!*

EAGAN, MN - September, 2017 - Ironwood Electronics' new high performance socket - SFS-BGA144V-52 allows 0.65mm pitch, 8x8mm body, 12X12 array 144 ball BGA package to be placed in socket and operated without compromising performance in high speed applications.

The [Giga-snaP™ BGA socket adapter](#) pair consists of SFS-BGA144V-52, patented female BGA sockets with BeCu pins assembled into a substrate that matches the male pin adapter. The RoHS compliant SFS-BGA144V-52 BGA socket is soldered to a PCB using standard soldering methods without warping which results in reliable connection to PCB. Both BGA socket and adapter are constructed with high temperature polyimide and FR-4 body assuring match with target PCB's and preventing failures that occur due to CTE mismatch. BGA adapter, to which the user attaches a target 144 pin BGA chip or other compatible chip, is plugged into the female BGA socket on the board, thereby chip is interconnected and the system is ready to go.

The [Giga-snaP™ BGA socket adapters](#) require very low insertion and extraction force for ease of operation. The electrical path of the Giga-snaP™ BGA socket adapters is a high priority performance issue with the physical length from the top connection point on the male adapter to the solder ball on the female socket is 3 mm. This is the shortest connection length by far for interconnect pin sockets, therefore providing better transmission of high frequency signals up to 20GHz with -1dB insertion loss. Operating temperature range is -55C to +160C and the current rating is 3A per pin. The Giga-snaP™ BGA socket adapter line is available in many different pin counts/pitches and customs can be delivered in days.



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