



Ironwood
ELECTRONICS

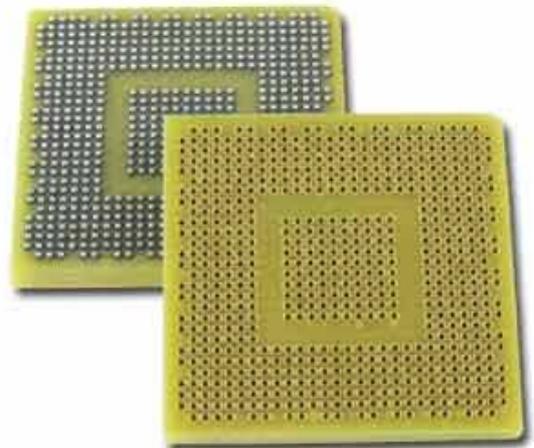
Chip Size 0.8mm Pitch BGA Socket Adapter for LG's XD™ Engine

Users can socket their 656 pin 0.8mm pitch LGE 35230 BGA IC's with socket whose footprint same as IC footprint

Ironwood Electronics' new high performance socket - SF-BGA656A-B-64F allows 0.8mm pitch, 23x23mm body, 28X28 array LG's XD™ Engine to be socketed and operate without compromising performance in demanding HDTV applications. XD engine is a technology used in LG HDTV to enhance picture quality.

In addition to providing de-interlacing and up-scaling, XD™ Engine also provides increased black levels and brightness of various aspects of the picture along with analog and MPEG noise

reduction. The Giga-snaP™ BGA socket adapter pair consists of SF-BGA656A-B-64F, patented female BGA sockets with machined pins epoxy over molded into an assembly that matches the male pin LS-BGA656A-61 adapter. The RoHS compliant SF-BGA656A-B-64F 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 FR-4 body assuring match with target PCB's and preventing failures that occur due to CTE mismatch. LS-BGA656A-61 BGA adapter, to which the user attaches a target 656 ball LG's 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 BGA socket adapters have the same solder ball types as the IC they are emulating. The Giga-snaP BGA socket adapters require half the force of conventional adapters at 20 pounds for the 656 pin device. 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 4.5 mm. This is the shortest connection length by far for machined pin sockets, therefore providing better transmission of high frequency signals. These adapters passed environmental tests (MIL-STD) and qualified for HDTV applications. The 0.8mm Giga-snaP™ BGA socket adapter line is available in many different pin counts and customs can be delivered in days.

DOWNLOAD

Download complete Catalogue or Tech. Specifications from our website: www.bce.it

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