10 GHz Bandwidth Socket for 0.4mm Pitch QFN Packages

BURNSVILLE, MN – January, 2010 – Ironwood Electronics has recently introduced a new high performance QFN socket for 0.4mm pitch QFN 84 pin IC's. The CG-QFN-7003 socket is designed for 10X10 mm package size and operates at bandwidths up to 10 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 10 GHz bandwidth on all connections. The socket is mounted using supplied hardware on the target PCB with no soldering, and uses smallest footprint in the industry. The smallest footprint allows inductors, resistors and decoupling capacitors to be placed very close to the device for impedance tuning.

The CG-QFN-7003 sockets are constructed with high performance and low inductance elastomer contactor. The temperature range is -35 C to +100 C. The pin self inductance is 0.11 nH and mutual inductance of 0.028 nH. Capacitance to ground is 0.028 pF. Current capacity is 2 amps per pin.

Pricing for the CG-QFN-7003 is $647 at qty 1; with reduced pricing available depending on quantity required.

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