



Ironwood
ELECTRONICS

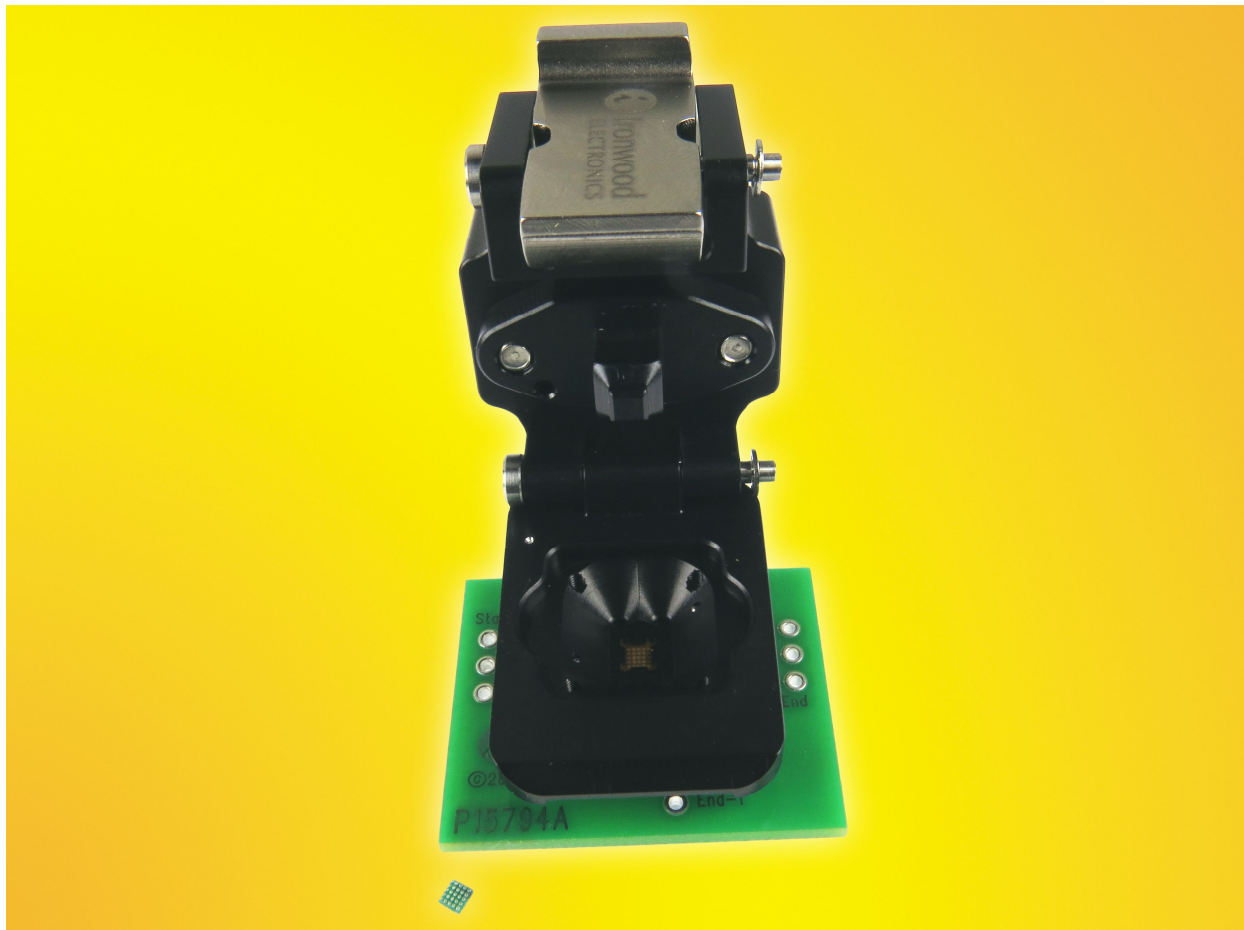


High Performance
Sockets & Adapters

30 GHz BGA Socket for BGA25

Socket your 25 pin BGA package 0.4mm pitch without significant performance loss and with minimal increase in PC Board footprint

EAGAN, MN - April, 2019 - Ironwood Electronics has recently introduced a new high performance BGA socket for 0.4mm pitch BGA 25 pin device. The CG-BGA-5030 socket is designed for 2.125x2.225 mm package size and operates at bandwidth up to 30GHz with less than 1dB of insertion loss. The socket is designed with easy open clamshell lid with integrated compression mechanism. The contact resistance is typically 20 milliohms per pin. The socket connects all pins with 30GHz 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. To use, place device in the socket, close clamshell lid and apply recommended torque via compression screw.



The CG-BGA-5030 socket is constructed with high performance and low inductance elastomer contactor. The temperature range is -35 °C to +125 °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.

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B.C.E. S.r.l. - Via Regina Pacis, 54/c - I 41049 Sassuolo (MO), Italy

Tel: (+39) 0536 811616

Fax: (+39) 0536 811500

E-mail: bce@bce.it

Web: www.bce.it