



Ironwood
ELECTRONICS



High Performance
Sockets & Adapters

Elastomer Socket for High Bandwidth 0.5mm Pitch 64QFP

Socket your High Speed QFP IC using elastomer socket with superior electrical performance

EAGAN, MN - April, 2018 - Ironwood Electronics has recently introduced a new high performance QFP socket for 0.5mm pitch 64 pin QFP. The SG-QFE-7020 socket is designed for 10mm x 10mm x 1.6mm package size with 12mmx12mm lead tip to tip and operates at bandwidths up to 30 GHz with less than 1dB of insertion loss. The contact resistance is typically 20 milliohms per I/O. The socket connects all pins with 30 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 socket also incorporates swivel lid with compression screw, so that IC's can be changed out quickly. The socket features a floating compression plate made out of ceramic peek material to force down the QFP leads on to elastomer. There is also a hard stop feature built into the compression mechanism.



The SG-QFE-7011 sockets are constructed with high performance and low inductance gold plated embedded wire on elastomer as interconnect material between device and PCB. It also has a square copper foil in the middle to connect the ePad which is at different plane than the peripheral leads. The temperature range is -35C to +125 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.

(April, 2018)

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