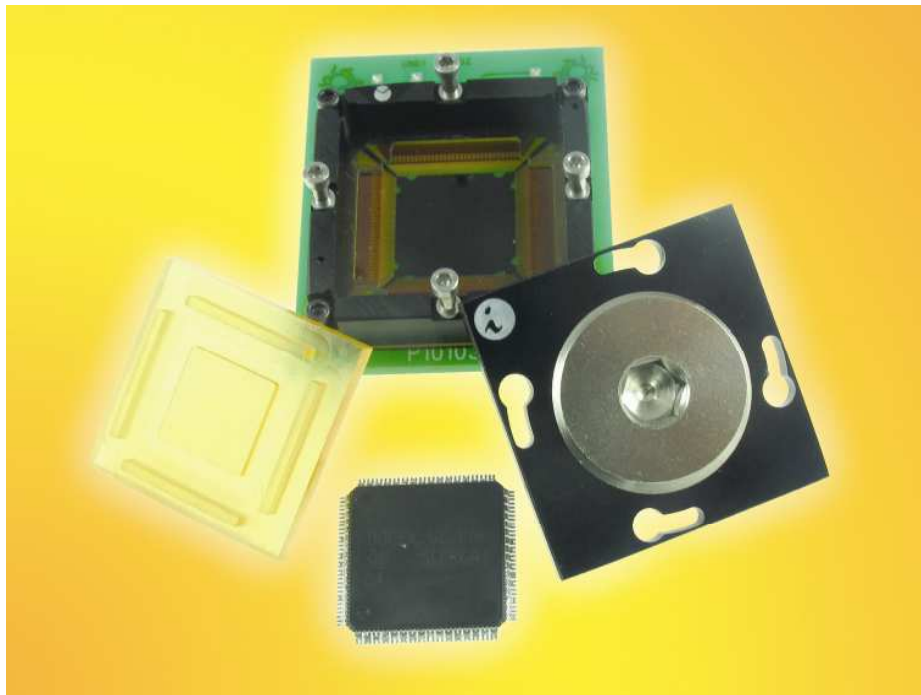




New High-Performance QFP Socket

EAGAN, MN - March 19, 2013 Ironwood Electronics introduced a new high-performance QFP socket for 0.4mm-pitch, 128-pin QFP. The SG-QFE-7011 socket is designed for 14mm x 14mm x 1.6mm package size with 16mm x 16mm lead tip-to-tip. It operates at bandwidths up to 10 GHz with less than 1dB of insertion loss. The contact resistance is typically 20 milliohms per I/O. 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 utilizes the smallest footprint in the industry, which allows inductors, resistors, and decoupling capacitors to be placed very close to the device for impedance tuning. The socket also incorporates a swivel lid with compression screw, so ICs can be changed out quickly. The socket features a floating compression plate to force down the QFP leads on to the 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 the device and PCB. The temperature range is -35°C to +100°C. The pin self-inductance is 0.15 nH and has a mutual inductance of 0.025 nH. Capacitance to ground is 0.01 pF. Current capacity is 2 amps per pin.

(March, 2013)