



**Ironwood**  
ELECTRONICS

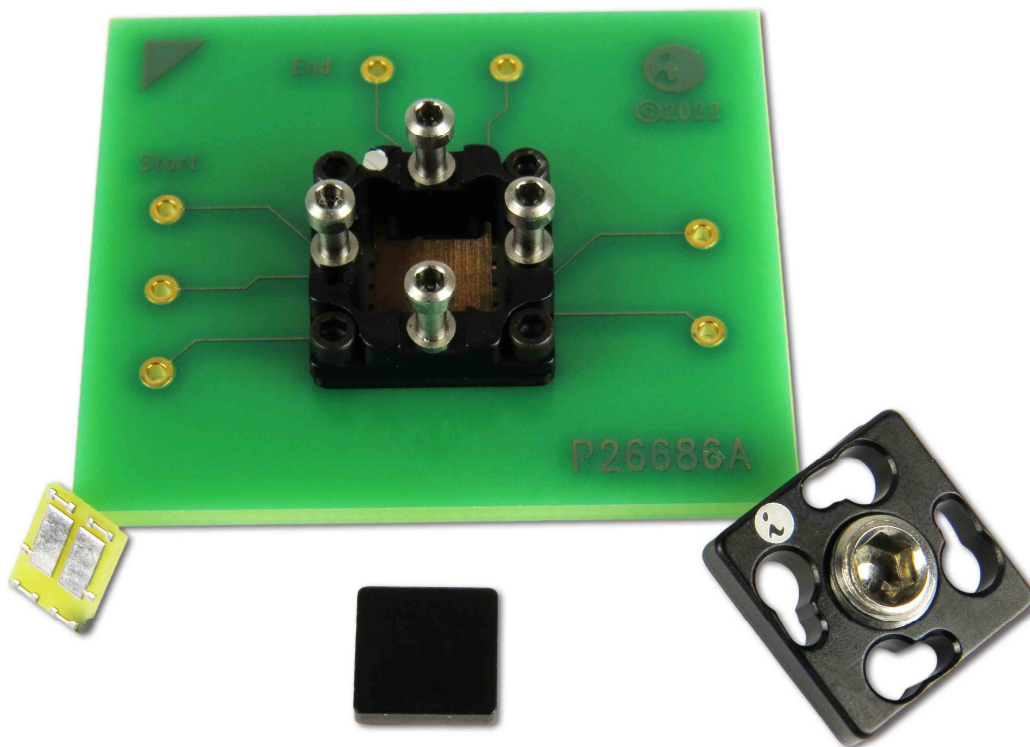


**High Performance**  
**Sockets & Adapters**

## Elastomer Socket for PowerPAK® SO-8

*Socket your Flat No Lead package using elastomer socket with superior electrical performance*

EAGAN, MN - September, 2022 Ironwood Electronics has recently introduced a new high performance elastomer socket for 1.27mm pitch QFN package. The **SG-MLF-7103** socket is designed for a 6.15mmx5.15mm package size and operates at bandwidths up to 30 GHz with less than 1dB of insertion loss (GSSG configuration). The contact resistance is typically 20 milliohms per pin. Network analyzer reflection measurements for the G-S-S-G case were taken with all except the pins under consideration terminated into 50 Ohms. 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 a simple hardware installation method so that IC's can be changed out quickly.



The **SG-MLF-7103** sockets are constructed with high performance and low inductance elastomer contactor. The temperature range is -35C to +125 C. The pin self inductance is 0.118 nH and mutual inductance of 0.025 nH. Capacitance to ground is 0.229 pF and mutual capacitance is 0.025pF. Current capacity is 2 amps per pin.

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