

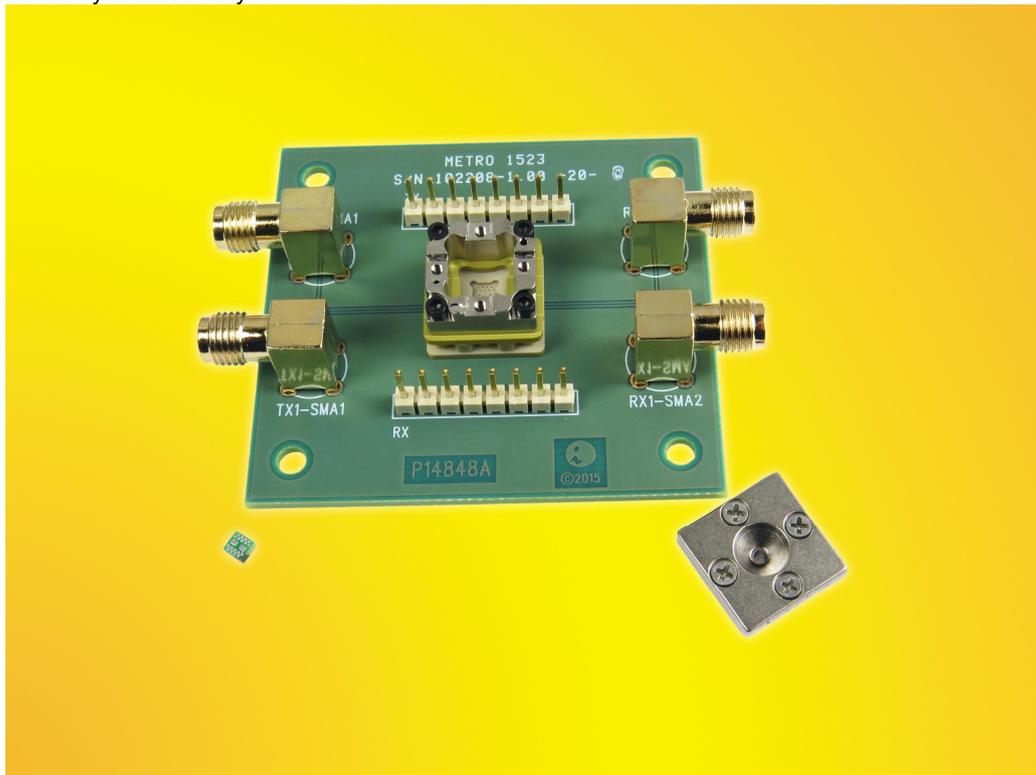


### Test Adapter for 0.5mm Pitch LGA20

High Frequency testing of 0.5mm pitch LGA20 is made easier with PB-LGA20A-Z-0 Socket Probe Adapter with SMA connectors

EAGAN, MN - July, 2015 - Ironwood Electronics' PB-LGA20A-Z-01 Socket Probe Adapter which allows high-speed testing of LGA device while accessing the signals using testers via header pins. Ironwood Electronics is an expert in developing high-speed interfaces for processors, peripheral IC's and memory devices and is a development partner with both Agilent and Tektronix. Features of the PB-LGA20A-Z-01 include shortest possible trace length for maximum speed, low inductance, low capacitance, blind and buried via PCB design technology. This socket probe adapter is designed to interface with 0.5mm pitch Fine pitch Land Grid Array (LGA) packages.

Ironwood's PB-LGA20A-Z-01 Socket Probe Adapter consists of two parts. The Probe board with two rows of 2.54mm center header pins and 4 SMA connectors for differential signal pairs and LGA Socket to accommodate LGA20, 0.5mm pitch device under test. The spring pin contact LGA socket is mechanically mounted onto the probe board. To use, drop IC into the spring pin socket, and apply downward force using compression screw in the socket lid. Connect transmitter and receiver to the SMA connector and the test system is ready.



The spring pin socket is constructed with high performance [stamped spring pin](#) with 14 gram actuation force per ball and cycle life of 50,000 insertions. The self inductance of the contactor is 0.98 nH, insertion loss < 1 dB at 31.7 GHz. The current capacity of each contactor is 1.8 amps at 20C temperature rise. Capacitance to ground is 0.01 pF. SBT-LGA socket comes with 1.6mm dia. access hole (to top surface of the DUT when seated in the socket). PCB is designed with 100 ohm controlled impedance. Operating temperature of this probe board is -35°C to 125°C. The LGA socket is also available individually.

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