



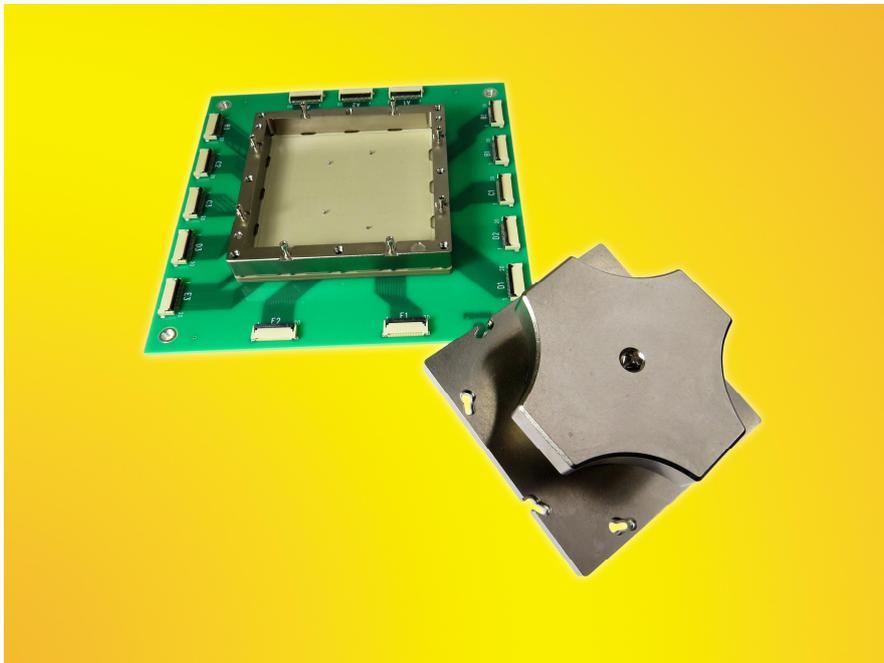
Ironwood
ELECTRONICS

Breakout Test Board for 0.5mm Pitch Flex module

High Frequency testing of 0.5mm pitch 300 pad flex module is made easier with PB-FLEX300-Z-01 Socket Probe Adapter with FPC connectors

EAGAN, MN - December, 2015 - Ironwood Electronics' PB-FLEX300-Z-01 Socket Probe Adapter which allows high-speed testing of flex module while accessing the signals using testers via FPC connector. 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-FLEX300-Z-01 include shortest possible trace length for maximum speed, low inductance, low capacitance via PCB design technology. This socket probe adapter is designed to interface with 0.5mm pitch Fine pitch pads of flexible circuit module.

Ironwood's PB-FLEX300-Z-01 Socket Probe Adapter consists of two parts. The Probe board with FPC connectors for multiple groups of signals and clamshell socket to accommodate 300 pad flex module, 0.5mm pitch device under test. The spring pin contact flex module socket is mechanically mounted onto the probe board. To use, drop flex module into the spring pin socket, and apply downward force using compression screw in the socket lid. Connect cable to FPC 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. Operating temperature of this probe board with socket is -55°C to +180°C.

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