

# ZOOM™

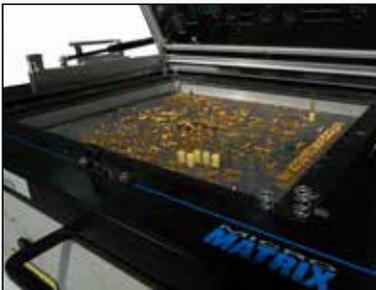
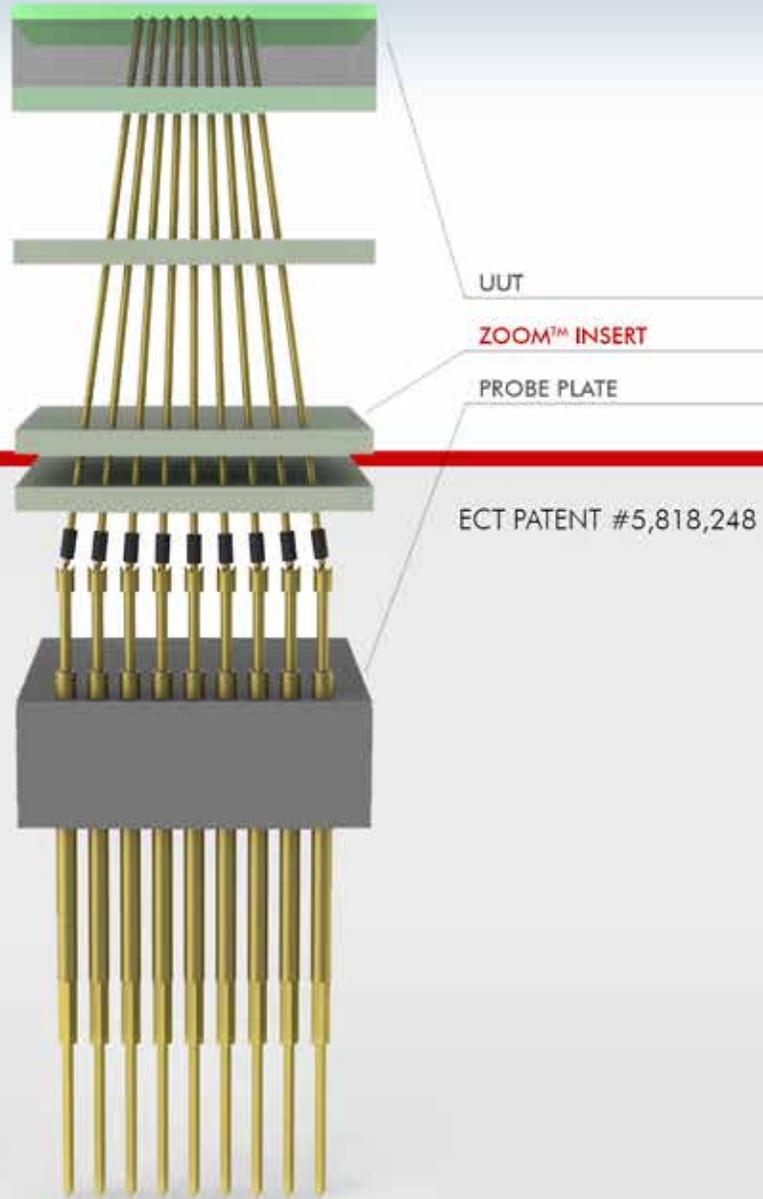
## INCREASE TEST ACCESS **NOW!**

.38MM (.015") TARGETS .6MM (.024") PITCH

Using Patented Technology, ECT is testing .38mm(.015") targets on centers as close as .6mm (.024") using 2.54mm (.100") receptacles for wiring.

The ZOOM insert is based on proven ECT Tilt-Pin technology and uses solid pins to transfer all test point targets to a grid allowing the use of 2.54mm (.100") probes.

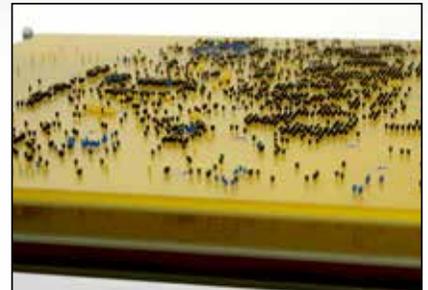
Available on all test platforms including Agilent, Genrad, Teradyne and TRI Test Fixtures



Zoom Fixture Probe Plate



Zoom Insert Top View



Zoom Insert Bottom View

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# Gain more test access and justify in-circuit test for PCBAs.

## QUICK FACTS:

As close as 0.38mm target on 0.6mm pitch  
Reliable wire-wrap assembly  
Typically 170g (6oz) probe force  
Available on all test platforms including Agilent, Genrad, Teradyne and TRI Test Fixtures

MEASURE	STANDARD FIXTURE	ZOOM FIXTURE
Smallest center spacing	1.0mm (.040") pitch	0.6mm (.024") pitch
Smallest Test target	0.5mm (.020") target	0.38mm (.015") target
Delivery time	8-12 days	10-15 days
Fixture Cost Average	\$8 to \$10 per test point	\$10 to \$12 per test point*

\*Zoom Technology fixture pricing is often lower than standard fixtures with high quantities of standard probes on = <.050" centers.

## Frequently Asked Questions:

### What is ZOOM technology?

ZOOM is an innovative method of combining proven tilt pin technology with conventional spring probes to improve test access and fixture accuracy.

### How does ZOOM compare in performance against other technologies?

ZOOM makes reliable contact to smaller test targets on closer centers. No other probe or fixture technology including socketless probes can contact test targets <.8mm.

### What testers can ZOOM be used on?

Zoom is readily available for Agilent, Genrad, Teradyne, and TRI, but can be used with virtually any test platform.

### How large can the board size be?

Zoom fixtures can accommodate the same board sizes as conventional fixtures.

### What are the tilt pin diameters?

0.4mm, 0.6mm, 0.8mm are the typical sizes.

### Can ZOOM tilt pins be replaced by a customer in field?

Yes, Zoom tilt pins are more robust than conventional probes and can be easily removed and replaced by hand or with small tweezers or pliers. Spare Zoom tilt pins are provided with each fixture.

### What is typical life expectancy of a ZOOM pin?

Tilt pins do not have springs and are more resistant to contamination than standard spring probes. The .100" "grid" probes are not exposed to the DUT and have a very high life expectancy. Mean-time-between-replacements varies based on manufacturing and environmental conditions.

### What is the typical maximum ZOOM™ tilt pin angle?

Our limits are dependent upon the application, but typically 5mm (.200") of offset from tip to base.