UNIVERSAL PROBES

ATX COAXIAL PROBE V2.0

ATX Hardware

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Imprint

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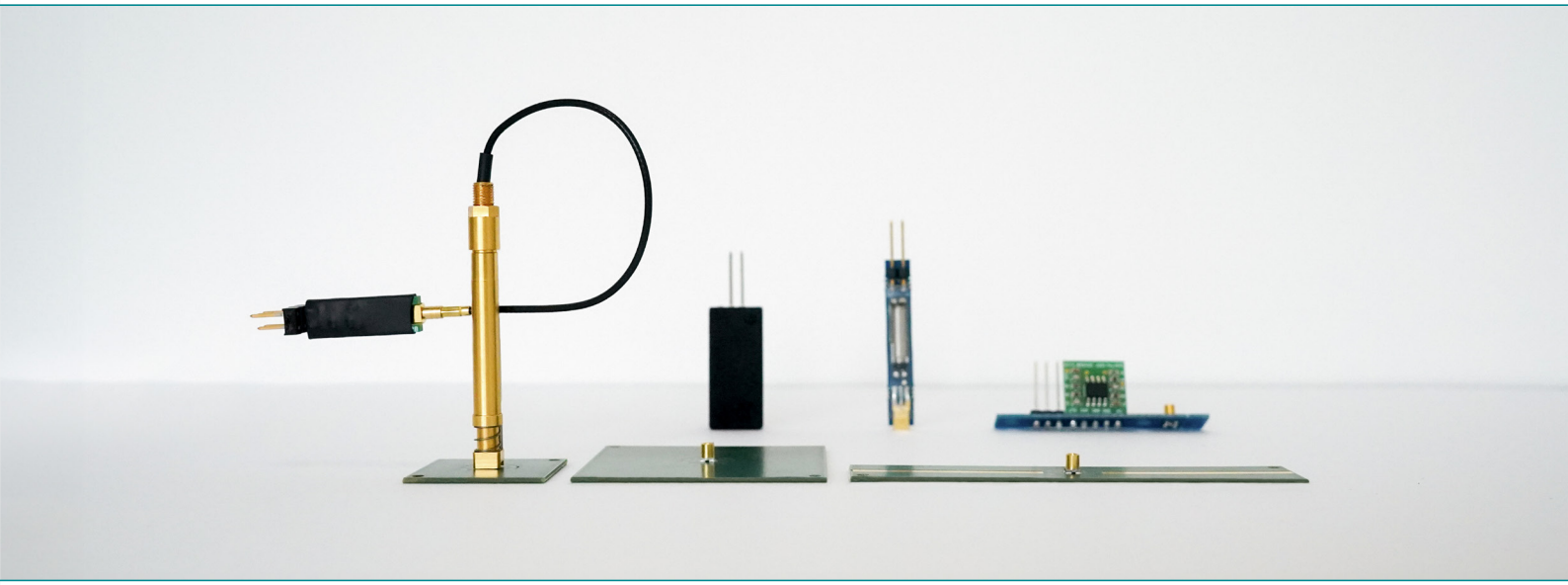
ATX COAXIAL PROBE V2.0



THE NEW UNIVERSAL PROBE

For capacitive measurements on ICT test systems

Increase the reliability of your ICT fixtures with our latest innovation.

The ATX coaxial probe V2.0 has been developed to provide you with a significantly more stable and reliable probe. Thanks to the improved mechanical stability of the probe, you can significantly increase the reliability and robustness of your production processes. Our probes are secured against twisting and have an individually adjustable height suspension.

The use of plug-in probe plates makes replacing the probes effortless and time-saving. This simple assembly makes our probes ideal both for significantly improved ease of maintenance and for self-removal.

Universal means that the same mechanical probe can be combined with different amplifiers. Amplifiers are currently available for Keysight NanoVTEP, Teradyne Framescan FX2, Digitaltest OpensCheck and SPEA Escan.

UNIQUE SELLING POINTS

Highlights

- Compatibility: Compatible with common measuring systems
- Vacuum-tight: Without the use of seals, thanks to high dimensional accuracy
- Easy installation: Thanks to high-quality and precise mechanical components
- Precise alignment: Thanks to minimal tolerances, precise alignment with the component under test is guaranteed
- All mechanical parts gold-plated: For optimum signal quality, conductivity and durability
- Replaceable probe discs: Easy replacement and quick maintenance possible
- No polarity reversal of the probe disc possible: For error-free assembly

ATX COAXIAL PROBE V2.0

PROBE ASSEMBLY

Main components

Each probe consists of the following two main components:

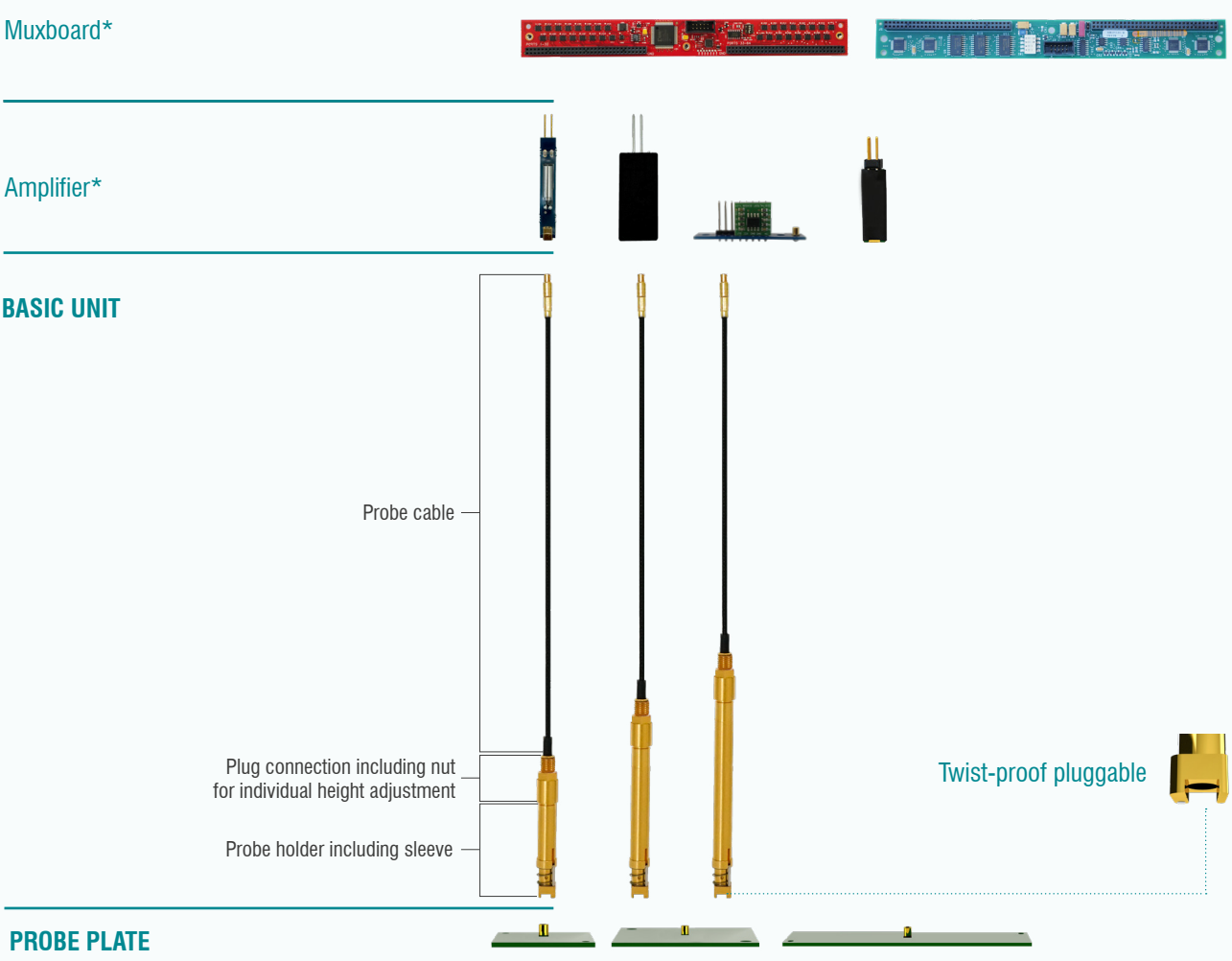
- Basic unit: The ATX coaxial probe V2.0 is available in three different lengths. The base body is mounted in the hold-down or pin carrier plate using a sleeve, allowing flexible height compensation and precise alignment of the probe.
- Probe plates: Available in three different sizes. It is also possible to customise the probe plates to your respective component dimensions.

The following components can be added to our probes for specific test systems and universally customised:

- Muxboard: Available for Keysight NanoVTEP and Teradyne Framescan FX2.
- Amplifier: Available for Keysight NanoVTEP, Teradyne Framescan FX2, Digitaltest OpensCheck and SPEA Escan.

PROBE ASSEMBLY

Detailed view



**Serves purely to illustrate the probe setup, amplifier & muxboard is only shown as an example*

MULTICOMPATIBLE

DISCOVER THE VERSATILITY OF OUR ATX COAXIAL PROBE V2.0

Individual. Compatible. Simple.

MUXBOARD

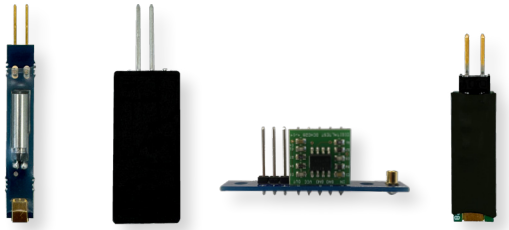
Order number	Designation
564012	Keysight NanoVTEP Signal Conditioner Card N4333B-002
564008	Teradyne Framescan FX2

Keysight

Teradyne

AMPLIFIER WITH SSMCX SOCKET

Order number	Designation
555040	Keysight amplifier NanoVTEP V2.0
266026	Teradyne amplifier Framescan FX2 V2.0
567013	Digitaltest OpensCheck Buffer V2.0
266025	SPEA Escan amplifier V2.0

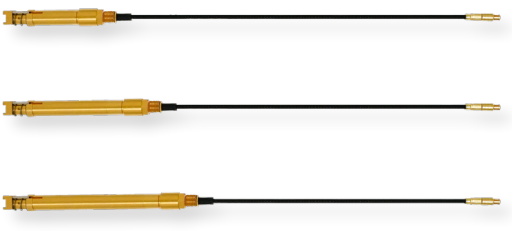


Keysight Teradyne Digitaltest SPEA

BASIC UNIT

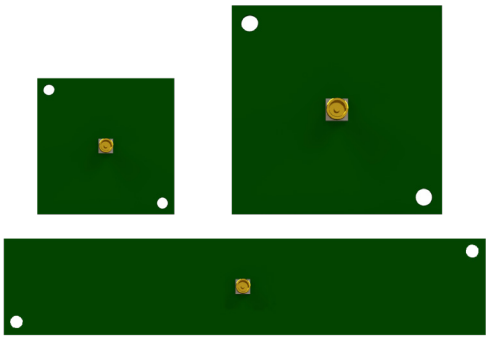
(consisting of probe cable, plug connection and probe holder)

Order number	Designation
561099	ATX coaxial probe V2.0 short L=37mm drawing no. B14-00033
561100	ATX coaxial probe V2.0 medium L=52mm drawing no. B14-00035
561101	ATX coaxial probe V2.0 long L=64mm drawing no. B14-00034



PROBE PLATE

Order number	Designation (l x w)
552187	Probe plate 25 x 25mm
552188	Probe plate 45 x 45mm
552189	Probe plate 16 x 80mm
103409	Component customization for individual probe plate size X x Xmm (please specify desired size for inquiries/orders)

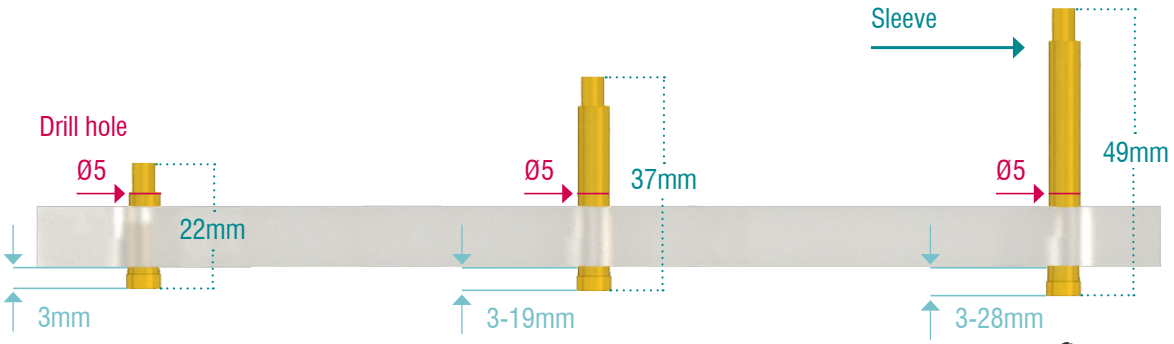


INSTALLATION

SET TOOL

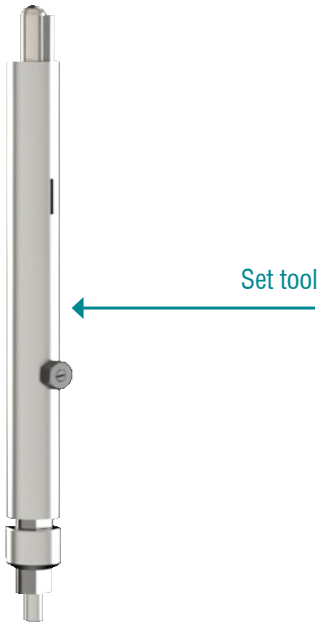
Application

The basic unit is mounted in the hold-down or pin plate using a sleeve. To do this, drill a hole in the hold-down or pin plate and then insert the sleeve of the probe using the set tool. This enables flexible height compensation and ensures precise alignment.



Sleeve protrusion

The sleeve must protrude by at least 3 mm.

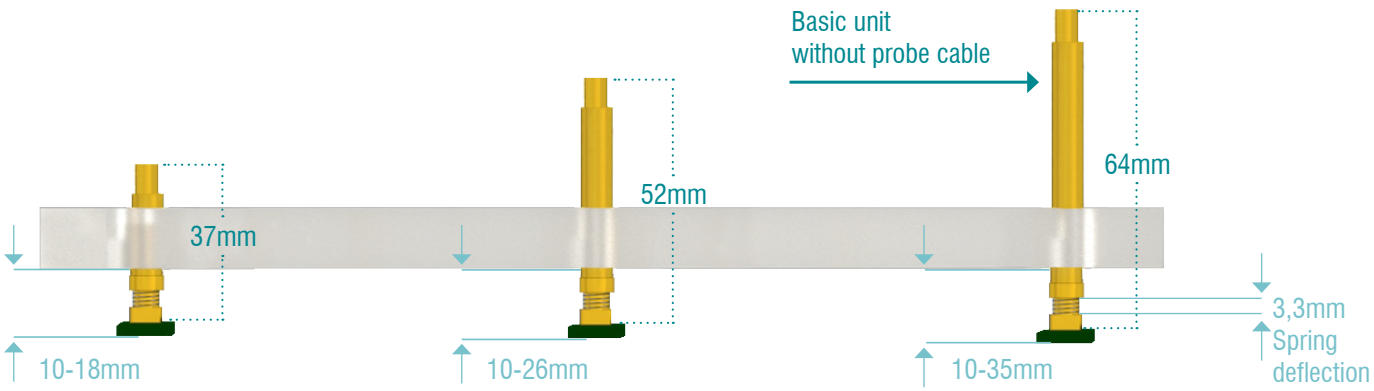


SET TOOL

Order number	Designation
927025	ATX V2.0 set tool for ATX V2.0 sleeves

INSTALLATION DIMENSIONS

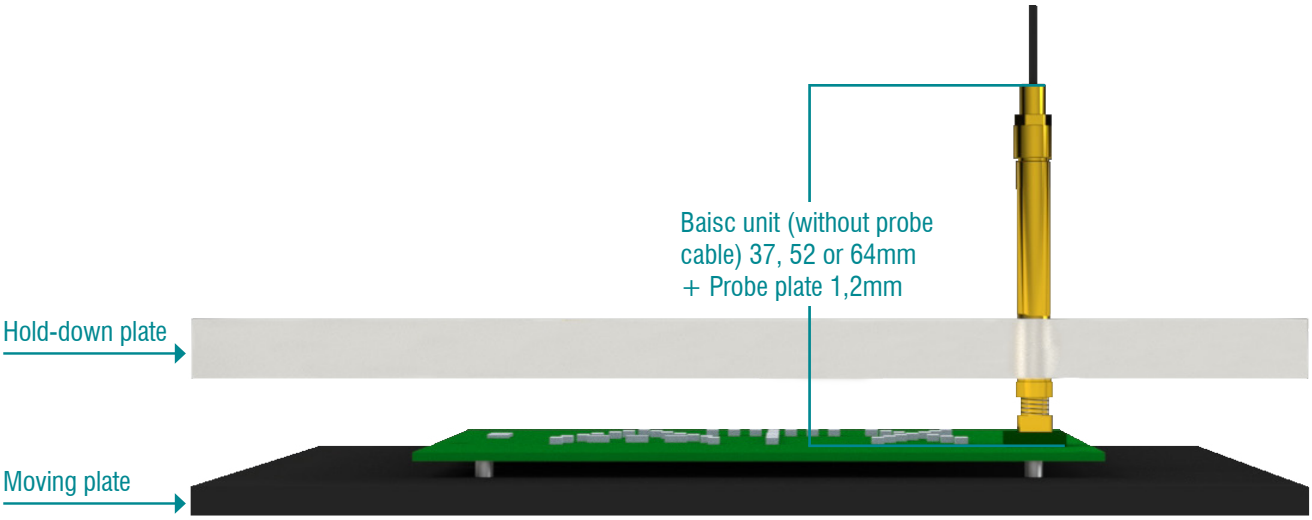
Installation



INSTALLATION IN HOLD-DOWN PLATE

INSTALLATION DRAWING

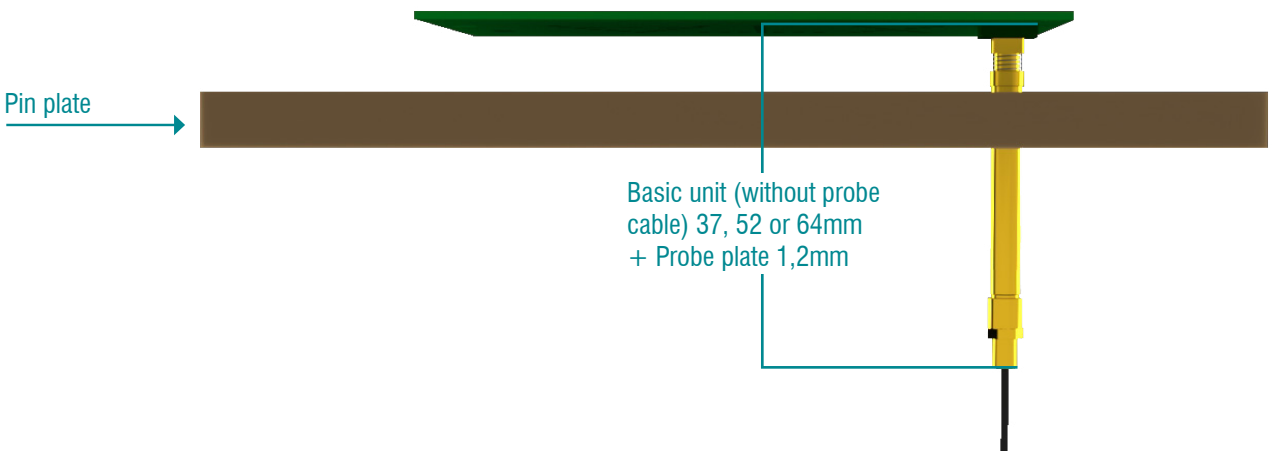
Installation from above



INSTALLATION IN PIN PLATE

INSTALLATION DRAWING

Installation from below



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