

Interchangeable kit

WS TERADYNE/TSH5x

Item 109426-KIT



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Partner for Future Technology

- Inline interchangeable kit for TERADYNE's TestStation Multi-Site TSH-5x.
- Precise, reliable contacting with peRFectly configured guides
- Modular design with bottom interchangeable kit (WSU) and top interchangeable kit (WSO)
- Robust, durable design with outstanding service life

Application

The WS TERADYNE/TSH5x inline interchangeable kit is used for reliable ICT and/or FCT testing in TERADYNE's inline test system TestStation Multi-Site TSH-5x. It features a deflection-resistant pressure frame and probe plate made of FR4, as well as an ESD-compatible, precision-guided moving plate made of FR3, and a partially equipped interface block in both the WSO and WSU. The housing is hinged and is securely supported by a strut when open.

Special features

- 12 mm thick, deflection-resistant floating pressure frame plate (NHP) made of FR4
- 10 mm thick, deflection-resistant probe plate (KTP) made of FR4
- 6 mm thick, ESD-compatible, precision-guided moving plate (ADP) made of FR3
- Guide pillars (round) and guide bushes for top interchangeable kit (WSO) and bottom interchangeable kit (WSU)
- Guide pins with guide bushes for moving plate (ADP)
- Interface block for top interchangeable kit (WSO) and bottom interchangeable kit (WSU), partially loaded with 25 x KT-158
- Strut and anti-pinch protection, installed on bottom interchangeable kit
- Opening angle of housing approx. 80°

Guiding accuracy

- Centring range between WSO and WSU: ± 1.5 mm
- Centring range of ADP: ± 0.075 mm

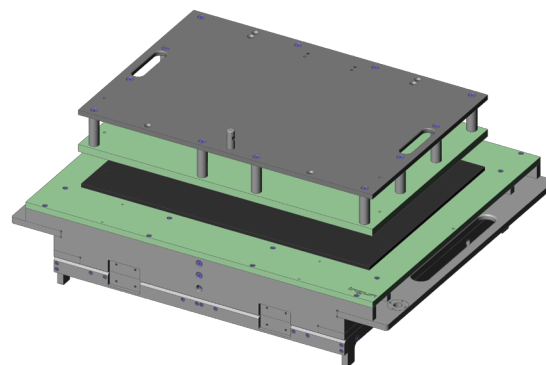
Delivery

The kit is delivered partially assembled. Guides, compression springs, collar screws and eight supports (D16x50.8 mm) are included, but test system interfaces are not.

General data

Product group:	Inline interchangeable kit (WS)
Subseries:	WS Teradyne
Series:	WS Teradyne
Version:	Without interface
Scope of delivery:	Partially assembled
Max. interface signals:	5120
Interface blocks required:	No
Dual-stage contacting:	Yes
Double-sided contact:	<p>Yes, with compatible additional option</p>
Weight:	24.2 kg [53.5 lbs]
Min. temperature:	10 °C [50 °F]
Max. temperature:	45 °C [113 °F]
Low voltage:	No
RoHS-compliant:	Yes

NEW



Test system interfaces

The test system interfaces are available separately and are available in two versions (low/high density). The delivery is fully equipped with KT-158 02 (flat) contact terminals, and includes two stiffener bars and installation accessories. A maximum of two test system interfaces can be mounted in the WSU.

Note:

Customising guidelines INFO 4548 should be used for the professional customisation of inline interchangeable kits.

Note:

The guide pillars and guide bushes for WSO/WSU should be replaced after approximately 750,000 load cycles or 0.1 mm wear to ensure a consistently high contact quality.

Note:

The usable area may decrease depending on the stopper position.

Compatible with

Test systems: TERADYNE Multi-Site TSH-5x

Technical data

Pushrod length:	50 mm [1.96 in]
Test probe installation height, top:	16 mm [.629 in]
Test probe installation height, bottom:	16 mm [.629 in]
Test probe installation height, dual-stage, bottom:	21.5 mm [.846 in]
Free space above PCB:	48 mm [1.88 in]
Useable area (WxD):	450 x 340 mm [17.7 x 13.3 in]
Outer dimensionS (WxDxH):	640 x 494 x 242 mm [25.1 x 19.4 x 9.52 in]

INLINE INTERCHANGEABLE KITS

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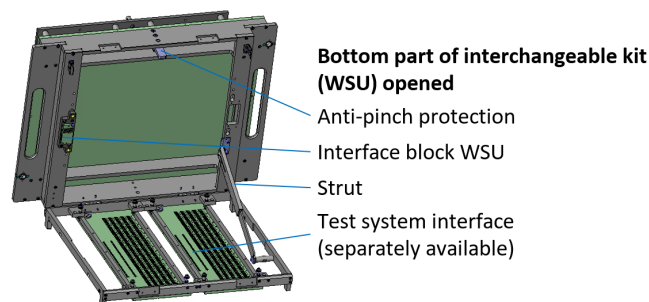
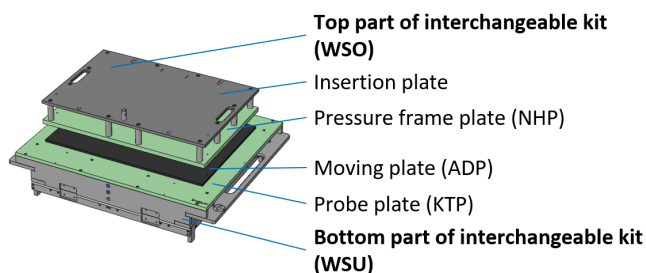
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Test system interfaces & accessories

Part no.	Designation	Version
Test system interfaces		
109511	SST-TSH5x-1280	Test system interface for 1280 test points, fully equipped with 1920x KT-158 02 (flat)
109515	SST-TSH5x-2560	Test system interface for 2560 test points, fully equipped with 3520x KT-158 02 (flat)
Accessories		
111448	FB-KTP-TOP-WS-TD-TSH5x	Probe plate for top contacting including guides (FR4, 10 mm)
111449	ETK-FUS-12-95-ST-M4	Spare part kit guide pillars (round) and guide bushing WSO/WSU (95 mm long, M4)
111458	ETK-FUS-12-48-ST-M4	Spare part kit guide pillars (round) and guide bushing, top probe plate (56.5 mm long, M4)
109434	SB-P-SI-062-4A-25	Interface block for WSO and WSU, partially equipped with 25x KT-158 (part no. 3650)

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Prices and delivery times on request.
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