

Interface block SB-P-HSD-005

Item 116155

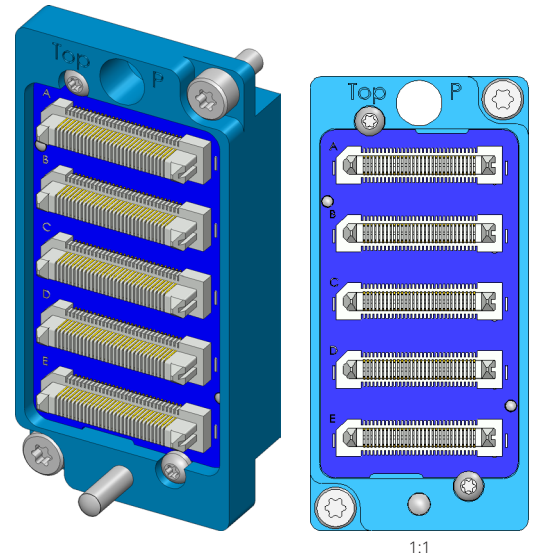


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- HSD interface block for reliable transmission of HSD signals (high-speed digital) with high contact quality for reliable measurements in the test field
- HSD signal transmission via an interface (serial additional HSD interface blocks not yet possible)
- Five high-speed channels for customised configuration
- Can be customised with HSD connectors (STV-HSD-SB-...), to which commercially available HSD cables are connected
- Colour-coded assignment of the HSD connectors, blue for HSD interface block on the DUT side
- Suitable for all test fixtures with internal and/or external Pylon interface
- High contact reliability and transmission quality
- Consistently low contact resistances and replicable measured values
- Quick, easy installation for efficient, time-saving customisation

NEW



Application

Interface blocks (SB) are used to reliably transmit signals between test device and test system in internal and external Pylon interfaces. The HSD interface block is used for the reliable transmission of HSD signals (high-speed digital) between the test device and the test system. For operation, one HSD interface block is required for the test system side (SB-T-HSD-005) and one for the DUT side (SB-P-HSD-005).

Signal transmission

The signals are transmitted via two opposing HSD interface blocks, which are designed for a working distance of 15.1 ± 0.5 mm between their mounting surfaces. The signal connection to the test object is realised with HSD connectors (STV-HSD-SB-...) installed in the HSD interface block, to which commercially available HSD cables (e.g., USB-A to USB-A, USB-A to RJ45, USB-C to USB-C) are plugged.

Signals

USB-A, USB-C and RJ45 signals can be transmitted reliably with a gross data rate of up to 5 Gbit/s.

Delivery

The HSD interface block is delivered fully assembled and prepared to accept HSD connectors. Installation accessories are included.

Note:

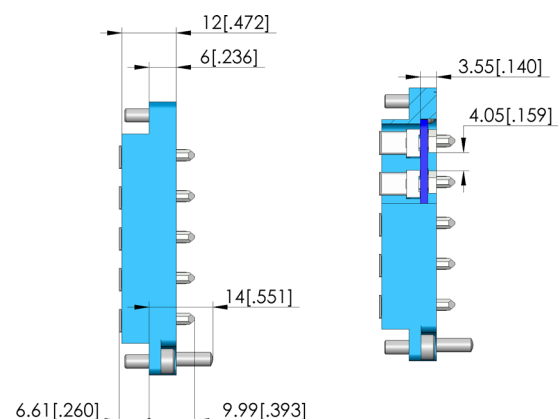
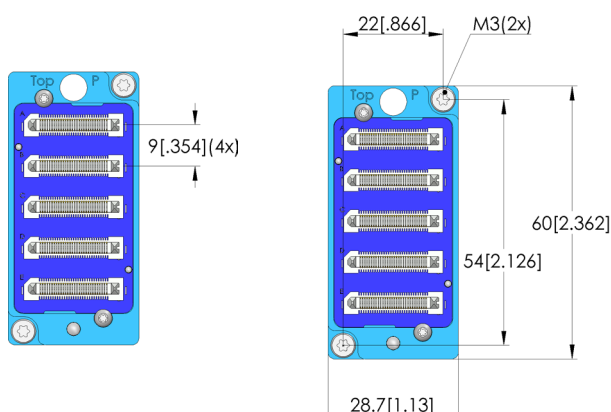
HSD connectors (STV-HSD-SB-...) are optionally available, commercially available HSD cables (e.g. USB-A to USB-A, USB-A to RJ45, USB-C to USB-C) must be purchased separately.

Note:

Number of cycles: approx. 400

Note:

Typische Steck-/Abzugskraft in interner Schnittstelle: ca. 10 bis 30 N



Interface block

SB-P-HSD-005

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General data

Product group: Interface blocks (SB)
Series: SB-HSD
Type: HSD signal block
Version: Device under test (DUT) side
Accessory type: Customising accessories
Component assembly: PCB-SB-P-HSD-05
Weight: 0.02 kg [.044 lbs]
Min. temperature: 10 °C [50 °F]
Max. temperature: 60 °C [140 °F]
RoHS-compliant: Yes

Compatible with

Compatible mating part 1: SB-T-HSD-005
MA exchangeable kits (ATS MA): ATS MAxx

Technical data

Working distance: 15,1 +/- 0,5 mm
Connection: STV-HSD-SB-P-...
Number of poles:

HSD connectors

Part no.	Designation	Version
116356	STV-HSD-SB-P-USB3.1	USB-A HSD connector with 1x USB-A 3.0 socket for DUT side HSD interface block
116166	STV-HSD-SB-P-USBC	USB-C HSD connector with 2x USB-C 3.1 plug for DUT side HSD interface block
116714	STV-HSD-SB-P-LAN-002	LAN HSD connector with 8x solder vias with ground for DUT side HSD interface block

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