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N5315A Slot Interposer Probe
Features

Interposer	• Analog repeating slot interposer • Physical link width x1 x4 x8 x16 • Electrical Idle conditions are propagated by the slot interposer • Mechanical stabilization for the device under test • Cable holders to prevent them from laying on top of DUT or backplane • Mechanical Stabilization with backplane to ensure firm PCIe slot connection • Power management capabilities (15-35 FTS)

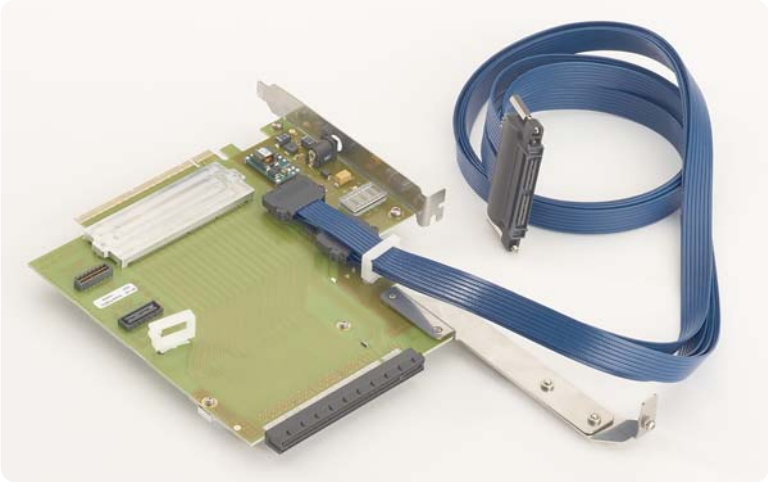


Figure 16. N5315A slot interposer probe

N5315A Slot Interposer Probe Specifications

Environment	
Temperature (AT-ETM757)	Operating: 0 °C to +55 °C Storage: 40 °C to +70 °C
Humidity (AT-ETM758)	Operating: 15 to 95% Operating soak: 90% (24 h)
Safety standards	Installation category: EN ISO/IEC 17025, IEC 61010-1/EN61010-1, II Pollution degree: 2 Environmental rating: Standard

General characteristics	
Display	4-character LED display status
LED	Two status LEDs
Power requirements	100-240 Vac 130-160 VA 1.5 A maximum 47 to 63 Hz
Form factor	Length: 195.8 mm (7.71 inch) Height: 169.5 mm (6.67 inch)
Probe cable length	1.0 m (39.37 inch)
Connector	Front bracket: Vin 18 V DC, 3 A Top connector: PCIe, connector x16 Bottom connector: PCIe, x1, x4, x8 or x16 (version dependent)

Electrical characteristics	
Absolute maximum ratings	Amplitude data signal: 2 V ppdiff Amplitude ref. CLK: 5 V ppdiff
Jitter tolerance	Eye width: 0.6 UI (minimum) Trace length transmitter: 9 inch (maximum for worst case scenario)
DUT path	Added jitter: below 0.1U Output voltage level: 100 to 110% of the input signal Delay: 1200 psec Lane-to-lane skew: below 30 psec
External clock level	Minimum: 800 mV diff Maximum: 2000 mV diff AC coupled frequency: 100 MHz

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