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**Data Sheet**

August 12, 2026

KEYSIGHT / AGILENT / HP

# Keysight (Agilent) 16143B Mating Cable for HP 4338A/B

Keysight / Agilent / HP 16143B Mating Cable for 4338A/B The 16143B is a mating/test cable accessory for the HP/Agilent/Keysight 4338A/B milliohmmeter, used to connect the instrument to fixtures or DUTs for low-resistance measurements. The 16143B is a mating/test cable accessory for the HP/Agilent/Keysight 4338A/B milliohmmeter, used to connect the instrument to fixtures or DUTs for low-resistance measurements.

**MODEL****Keysight / Agilent /  
HP 16143B****CALIBRATION****Available on  
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****16143B****LISTING**[https://aumictechlabs.c  
om/products/16143b-2/](https://aumictechlabs.com/products/16143b-2/)

NIST-traceable cal

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## This unit

The Keysight (Agilent) 16143B is a mating cable assembly designed to interface test leads with HP 4338A and 4338B Milliohmmeters. This accessory enables connection of various Kelvin clip, IC clip, probe, and alligator clip leads to precision resistance measurement instruments, maintaining signal integrity across low-ohm measurements. The cable features a 4-Terminal BNC connector and measures approximately 0.6 m in length. The 16143B was discontinued effective May 1, 2006, with end-of-support life on May 1, 2011. Technical Specifications Connector Type: 4-Terminal BNC Cable Length: 0.6 m Supported Test Lead Types: Kelvin Clip Leads (16005B), Kelvin IC Clip Leads (16005C/D), Pin-Type Probe Lead (16006A), Alligator Clip Leads (16007A/B) Lead Configuration: Accommodates any combination of two test lead types Key Features Dual lead-type compatibility

allows flexible test configurations without multiple cables 4-Terminal BNC connector ensures reliable impedance matching for low-resistance applications Compact 0.6 m length suitable for benchtop and field measurement setups Typical Applications Low-ohm resistance measurements with Kelvin clip leads on PCB test points Contact resistance verification using IC clip leads on integrated circuits Production test environments requiring rapid lead reconfiguration Maintenance and troubleshooting of electrical contacts and interconnects Compatibility & Integration The 16143B pairs directly with HP 4338A and HP 4338B Milliohmmeters. It accepts all standard Keysight test lead accessories in the 16005/16006/16007 series, enabling custom measurement setups for resistance ranges typically spanning the milliohm scale. Original equipment context indicates this cable was engineered specifically for the milliohmmeter architecture of the 4338 series.

## Features & description

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From manufacturer datasheet

### Features

- Accessory type: mating cable
- Compatible instruments: HP/Agilent/Keysight 4338A and 4338B
- Role: instrument-to-fixture / DUT connection for milliohm measurements
- Not a standalone instrument

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### Applications

- Interconnect 4338A/B milliohmmeter to test fixtures
- Low-resistance / milliohm measurement setups
- Replacement mating cable for 4338-series systems

## 16143B Characteristics / Specifications

| PARAMETER              | VALUE                                                                                                                                                                                  |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model                  | 16143B                                                                                                                                                                                 |
| Manufacturer           | Keysight / Agilent / HP                                                                                                                                                                |
| Instrument Type        | Milliohmmeter Mating Cable                                                                                                                                                             |
| Alias                  | 16143B; HP 16143B; Agilent 16143B                                                                                                                                                      |
| Host instruments       | 4338A / 4338B                                                                                                                                                                          |
| Type                   | mating cable Notes Public detailed electrical tables are sparse for this cable SKU. Confirm connector ends and length on the unit; measurement limits belong on the 4338A/B datasheet. |
| Accessory type         | mating cable                                                                                                                                                                           |
| Compatible instruments | HP/Agilent/Keysight 4338A and 4338B                                                                                                                                                    |
| Role                   | instrument-to-fixture / DUT connection for milliohm measurements                                                                                                                       |

# 16143B Specifications

| PARAMETER                                               | VALUE                                                 |
|---------------------------------------------------------|-------------------------------------------------------|
| Keysight / Agilent / HP 16143B Mating Cable for 4338A/B | Overview                                              |
| Applications                                            | - Interconnect 4338A/B milliohmmeter to test fixtures |
| Key Features                                            | - Accessory type: mating cable                        |
| Technical Specifications                                | Model: 16143B                                         |

# Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications

Specifications

| PARAMETER       | VALUE                             |
|-----------------|-----------------------------------|
| Model           | 16143B                            |
| Manufacturer    | Keysight / Agilent / HP           |
| Instrument Type | Milliohmmeter Mating Cable        |
| Alias           | 16143B; HP 16143B; Agilent 16143B |

Host instruments: 4338A / 4338B

Type: mating cable

Notes

Public detailed electrical tables are sparse for this cable SKU. Confirm connector ends and length on the unit; measurement limits belong on the 4338A/B datasheet.

### Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: [sales@aumictech.com](mailto:sales@aumictech.com) · +1 (484) 841-9341

#### Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.