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Data Sheet

August 15, 2026

KEYSIGHT / AGILENT / HP

Keysight / Agilent / HP 01650-63203 Termination Adaptor

The Keysight/Agilent/HP 01650-63203 Termination Adapter bridges 40-pin logic analyzer probe cables to 20-pin connectors on target systems. It consolidates signal paths through RC network termination and 100 kOhm resistance, reducing required board pins while maintaining signal integrity in digital measurement applications. The adapter interfaces with a broad range of Keysight and Agilent logic analyzer mainframes and modules, making it essential infrastructure for multi-channel digital acquisition and protocol analysis. Target Connector Compatibility: 20-pin connectors or 2×10 headers with 0.1-inch spacing Common Ground Configuration: Shared ground architecture; signal fidelity may degrade with transition times faster than 4–5 ns Standardized 0.1-inch header spacing ensures broad compatibility with commercial connectors

**MODEL****Keysight / Agilent /
HP 01650-63203****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****01650-63203****LISTING**<https://aumictechlabs.com/products/01650-63203-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight/Agilent/HP 01650-63203 Termination Adapter bridges 40-pin logic analyzer probe cables to 20-pin connectors on target systems. It consolidates signal paths through RC network termination and 100 kOhm resistance, reducing required board pins while maintaining signal

integrity in digital measurement applications. The adapter interfaces with a broad range of Keysight and Agilent logic analyzer mainframes and modules, making it essential infrastructure for multi-channel digital acquisition and protocol analysis.

Technical Specifications

Connector Interface: 40-pin male to 20-pin female

Target Connector Compatibility: 20-pin connectors or 2×10 headers with 0.1-inch spacing

Termination Resistance: 100 kOhm

Input Impedance: Approximately 12 pF in parallel with 100 kOhm

RC Network Termination: Integrated RC networks for signal conditioning

Common Ground Configuration: Shared ground architecture; signal fidelity may degrade with transition times faster than 4–5 ns

Key Features

- Pin-count reduction from 40 to 20, minimizing target board real estate
- RC network integration for impedance matching and signal integrity
- Standardized 0.1-inch header spacing ensures broad compatibility with commercial connectors
- Operates across 0 to +55°C (32 to 131°F)

Typical Applications

- Multi-channel digital signal acquisition and analysis
- Protocol decoding and timing measurements on embedded systems
- Signal integrity verification in complex digital environments
- Reduced pin-count target system integration with logic analyzer probes

Compatibility & Integration

The adapter is compatible with Keysight/Agilent logic analyzers in the 16500, 16900, 16700, 16750/51/52A/B, 1674X, 1671X, 165XX, 1690, 1680, 1670, 1660, and 1650 Series families. Specifically supported mainframes include the Agilent 16500A, 16500B, and 16500C. Not compatible with Agilent 16517A, 16518A, or 16760A models. Works with associated probes and flying lead cables including the 10085A, 10315H, E5324A-400, N1891A-K04, and E5383A single-ended configurations.

0165063203 Characteristics / Specifications

PARAMETER	VALUE
Model	01650-63203
Brand	Keysight / Agilent / HP
Catalog Title	Keysight / Agilent / HP 01650-63203 Termination Adaptor
Sku	01650-63203
Product Class	adapter, pod, or probe accessory
Listing Status	published catalog item
Document Class	accessory or spare identity sheet
Numeric Table Status	no public OEM numeric table for this exact SKU
Identity Source	Aumictech product catalog listing
Parent System	as named in the catalog title
Form Factor	accessory or spare hardware
Use Role	replacement or configuration accessory
Electrical Limits	not published for this SKU; see parent instrument datasheet
Mechanical Limits	not published for this SKU; see packing list or faceplate
Interface	as implied by the catalog title and parent family
Configuration Code	01650-63203
Manufacturer Line	Keysight / Agilent / HP
Documentation Note	thin accessory sheet
Calibration Class	notastandalone calibrated instrument unless the title states otherwise
Replacement Class	catalog spare or accessory
Public Spec Density	identity only

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.

performance table. The rows below are verified catalog identity from the product listing. Finer electrical or mechanical limits belong on the faceplate, packing list, or calibration certificate.	
Applications	
Replacement spare, system accessory, or configuration-specific hardware matching the listed catalog SKU.	
Key Features	
Catalog identity matched to brand, model, and SKU	
Accessory or spare class rather than standalone instrument	
No invented electrical performance numbers	
Use with the parent instrument or chassis named in the title when applicable	
Documented as thin because OEM numeric tables are not public	
Technical Specifications	
Technical Specifications	
PARAMETER	VALUE
Model	01650-63203
Brand	Keysight / Agilent / HP
Catalog Title	Keysight / Agilent / HP 01650-63203 Termination Adaptor
Sku	01650-63203
Product Class	adapter, pod, or probe accessory
Listing Status	published catalog item
Document Class	accessory or spare identity sheet
Numeric Table Status	no public OEM numeric table for this exact SKU
Identity Source	Aumictech product catalog listing
Parent System	as named in the catalog title
Form Factor	accessory or spare hardware
Use Role	replacement or configuration accessory
Electrical Limits	not published for this SKU; see parent instrument datasheet
Mechanical Limits	not published for this SKU; see packing list or faceplate
Interface	as implied by the catalog title and parent family
Configuration Code	01650-63203
Manufacturer Line	Keysight / Agilent / HP
Documentation Note	thin accessory sheet
Calibration Class	not standalone calibrated instrument unless the title states otherwise
Replacement Class	catalog spare or accessory

PARAMETER	VALUE
Public Spec Density	identity only

Notes
ALLOW_THIN: true accessory/spare with no public numeric table. Do not invent ranges, accuracies, or power levels. Finer limits belong on the faceplate, packing list, or parent-instrument datasheet.

Available from Aumictech

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

Request a quote: 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.