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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 34934C

Queue model 34934C is the Keysight 34934C remaining-queue matrix module (title Agilent/Keysight 34934C). 34934A is the documented 34980A 4×32 armature matrix; 34934C is the remaining-queue C-suffix configurator and 34934T is the terminal block (a different SKU). Exact crosspoint map and volts of 34934C are on the 34934C sheet and are not copied from 34934A. Matrix switching in 34980A-class mainframes that specify 34934C. Keysight 34934C remaining-queue matrix module Manufacturer: Hewlett Packard / Agilent / Keysight Matrix switching in 34980A-class mainframes that specify 34934C. Keysight 34934C remaining-queue matrix module Manufacturer: Hewlett Packard / Agilent / Keysight Literature: HP/Agilent/Keysight 34934C remaining-queue listing



MODEL

**Agilent / Keysight
34934C**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

34934C

LISTING

<https://aumictechlabs.com/products/34934c-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight 34934C is a configuration block that expands the switching capability of the 34934A Quad 4×32 Reed Matrix module within the 34980A Multifunction Switch/Measure Unit. It has flexible row and column wiring routing to D-Sub connectors, implement customized matrix topologies for automated test and data acquisition. Two configuration variants support 1-wire and 2-wire switching architectures across multiple matrix sizes. Technical Specifications Switch/Carry Current: 100 V, 0.5 A Relay Type: Reed relays with integrated cycle counter for life monitoring Row

Protection: Integrated protection for reed relay rows Module Type: Configuration block for 34934A Quad 4×32 Reed Matrix

Key Features

Matrix Configuration Options

34934C-001: Enables 4×128 1-wire matrices or 4×64 2-wire matrices

34934C-002: Enables 8×64 1-wire matrices, 8×32 2-wire matrices, or 16×32 1-wire matrices

Connectivity & Expansion

D-Sub connector routing (50-pin and 78-pin variants) simplifies custom wiring of rows and columns. Expansion headers allow daisy-chaining multiple 34934A modules to build larger matrix configurations. Dedicated row expansion cables (Y1135A, Y1136A, Y1137A, Y1138A) support extended topologies.

Typical Applications

The 34934C configuration block suits automated test environments requiring reconfigurable switching matrices - signal routing for component characterization, multipoint data acquisition, and complex switching logic in production and R&D test stations.

Compatibility & Integration

The 34934C works exclusively with the Keysight 34980A Multifunction Switch/Measure Unit and the 34934A Quad 4×32 Reed Matrix module. It integrates via D-Sub connectors and expansion headers, allowing modular growth within a single chassis architecture.

34934C Characteristics / Specifications

PARAMETER	VALUE
Model	34934C
Instrument Type	matrix switch module
Manufacturer	Hewlett Packard / Agilent / Keysight
Literature	HP/Agilent/Keysight 34934C remaining-queue listing
Family	Keysight 34980A 34934 matrix family
Form Factor	34980A plug-in matrix module
System Role	matrix switch module
Brand Lineage	HP / Agilent / Keysight
Queue Title	Agilent/Keysight 34934C
Documentation Type	OEM 34934C listing
Use Case	Matrix switching in 34980A-class mainframes that specify 34934C
Vendor Path	HP / Agilent / Keysight
Year Class	34934C generation
Application Class	matrix switch module
Module Class	matrix switch module
Host Class	34980A-class switch/measure mainframe
Connector Class	connectors on the 34934C drawing
Ate Class	ATE matrix switching
Control Class	34980A mainframe programming
Environment Class	34980A mainframe ambient
Mains Class	powered by 34980A mainframe
Voltage Class	volts on the 34934C sheet
Current Class	amperes on the 34934C sheet
Sibling Terminal	34934T is the terminal block (different SKU)

PARAMETER	VALUE
Sibling A	34934A is the 4×32 armature matrix (numbers not assigned to 34934C)

34934C Specifications

PARAMETER	VALUE
Agilent Keysight 34934C Matrix Module	Overview
Applications	Matrix switching in 34980A-class mainframes that specify 34934C.
Key Features	Keysight 34934C remaining-queue matrix module
Technical Specifications	Model: 34934C

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	
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Documentation Type	OEM 34934C listing
Use Case	Matrix switching in 34980A-class mainframes that specify 34934C
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Environment Class	34980A mainframe ambient
Mains Class	powered by 34980A mainframe
Voltage Class	volts on the 34934C sheet
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Sibling Terminal	34934T is the terminal block (different SKU)
Sibling A	34934A is the 4x32 armature matrix (numbers not assigned to 34934C)

Notes

From remaining-queue title Agilent/Keysight 34934C. Do not copy 34934A 4x32 numbers or 34934T terminal-block identity onto this C-suffix SKU.

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.