

RIVO MULTITRADE OPTICAL SYSTEMS

Access Switch Short Jumper



Overview

Shunts, Jumpers | Connectors, Interconnects | DigiKeyShunts or Jumpers are designed to connect two pin contacts for an electrical connection that are separ.

Key Takeaways

An access switch short jumper is a small connector used to electrically connect two pins on a switch or circuit board, enabling configuration or signal routing.

What is a Short Jumper?

A short jumper, also called a shunt, is a small conductive component that bridges two adjacent pins on a header or connector to create an electrical connection. This connection can enable, disable, or configure specific functions on devices such as access switches, motherboards, or other electronic circuits . In networking hardware, jumpers are often used to set modes, reset configurations, or select voltage levels.

Types and Sizes

Short jumpers come in various types and sizes:

- Closed Top / Grip: Fully enclosed jumper for secure connection.
- Open Top / Grip: Exposed top for easy placement and removal.
- Insulated or Non-Insulated: Insulated jumpers prevent accidental shorts, while non-insulated are simple metal shunts .

- Pitch: Common pin spacing ranges from 1.27mm (0.050") to 25.4mm (1.00"), with single or multiple positions (e.g., 1x1, 1x24, 2x2, 2x13), .

For PC and older computing devices, standard jumpers often have a 2.54mm (0.1 inch) pitch, widely used on IDE drives, motherboards, and other circuit boards .

Usage

To use a short jumper:

- Identify the pins to be connected according to the device's manual.
- Place the jumper over the two pins to short them electrically.
- Remove or reposition the jumper to change the configuration as needed.

It is important to use new jumpers to ensure a snug fit and reliable connection, as loose or worn jumpers can cause intermittent faults .

Where to Buy

Short jumpers are available from electronics suppliers such as DigiKey, RS Components, Farnell, and online marketplaces like Amazon. They are sold individually or in packs, often with specifications for pitch, type, and number of positions .

Using the correct jumper type and size ensures proper configuration and prevents damage to the access switch or other electronic devices.

Article Content

Amazon : Ethernet Jumper Cable

Find affordable ethernet jumper cables with universal RJ45 compatibility. Connect computers, printers, NAS devices, and VoIP

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

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