Upgraded Construction Plan for Extended Jumper Wires



Overview

This new technical paper by Andy Price, Bob LePage, David Cormier and Jim Rennick from Circuit Technology Center explores ten crucial guidelines for secure, organized, and industry-standard attachment and routing of jumper wires on circuit board assemblies, ensuring reliability. This new technical paper by Andy Price, Bob LePage, David Cormier and Jim Rennick from Circuit Technology Center explores ten crucial guidelines for secure, organized, and industry-standard attachment and routing of jumper wires on circuit board assemblies, ensuring reliability. Guidelines for selecting, attaching and routing jumper wires on printed circuit boards. Includes strain relief, insulation, soldering and inspection practices to ensure dependable electrical connections. This procedure covers the repair/modification of printed boards and electronic assemblies using. Jumpers, also referred to as wire links, allow you to replace routing with a Jumper component, which is often an essential ingredient to successfully designing a single-sided board. Early printed circuit boards were all single-sided. To successfully implement all of the connections, jumpers or wire. A jumper wire is a short conductor with insulated covering, used to connect two points in a circuit. They are designed to provide temporary or semi-permanent connections. This box contains 6 spools of solid-core wire. You manually create a jumper at a connection definition point by specifying the jumper type for the connection there.

© 2026 EXF OPTICAL NETWORKS - All rights reserved

Article Content

6.1 Jumper Wires

Guidelines for selecting, attaching and routing jumper wires on printed circuit boards. Includes strain relief, insulation, soldering and inspection practices to ensure dependable electrical connections.

Working with Jumper Components

Jumpers are typically pieces of tinned copper wire that are bent to the correct length, meaning they need to be in the BOM. To support this, Jumpers also can be included on the

Jumper Wire: Types, Uses, Pin Configuration, and

Instead of permanently soldering components together, jumper wires allow you to quickly plug and unplug parts while testing or making changes. They

10 Essential Rules for Circuit Board Jumper Wires

This paper presents ten essential rules for effectively attaching and routing jumper wires on circuit board assemblies, ensuring they are secure,

Jumper Wires | Breadboards for Beginners | Adafruit

When you start on your electronics journey, you will eventually need to wire up some parts to follow along with some project. And, chances are, you will

Creating Jumpers

Using the properties Switching jumper (external) and Switching jumper (internal), you can define switching jumpers separately for the internal and external sides of the terminal. Here is an example

PCB Jumper Wires: What is it and How to Use Them

Instead of scrapping an entire batch of PCBs, a technician can install a jumper wire to correct the connection, extending the life and usability of the board. This is particularly valuable for

A Guide to Jumper Wires: The Last Line of Defense When a PCB

A jumper wire, as the name implies, is a discrete insulated wire (typically a thin magnet wire or Teflon wire) that is used to create a new electrical connection between two or more solder...

SQWIRES SOLUTIONS – Performed Wire Jumpers

© 2026 EXF OPTICAL NETWORKS - All rights reserved

Tailor your jumper wires to fit your specific needs with our customizable size options. Whether you''re working on small-scale prototypes or large industrial projects, we

How to Safely and Legally Extend Electrical Wire

Extending electrical wiring is often required for relocating an existing outlet or providing power to a new location. This work involves creating a permanent splice, which must be performed

Ten Rules for Jumper Wires

If jumper wires pass over an unused land or pad sufficient slack should be provided so that the jumper wire can be moved out of the way should a component need to be added. Jumper wires should not

Ten Rules for Jumper Wires

Ten Rules for Jumper Wires, Circuit Board Rework and Repair Services Component Tinning and Reballing GENERAL SERVICES GUIDES PRODUCTS

Underground Service Section of the DTE Energy Green Book

The electrical contractor responsible for the pedestal installation must review the plans with the DTE Electric Planner before beginning construction. The contractor must also comply with the

Make your own DuPont jumper wires easily

Jumper wires or DuPont wires are popular for fast prototyping, widely used on breadboard project. Straight to the point, this tutorial is for beginners,

How to Extend Short Wires | Easy Fix Anyone Can Do

In this electrical DIY guide i will be showing you how to extend short cable. I will take you through step by step, showing you how to splice cables the easy…

Jumper Wire Assembly Guide

Learn jumper wire assembly with our guide on selecting wires and using connector pins, header connectors, banana connectors, and RF connectors for reliable jumper wire assembly.

Jumper Wires | Prototyping Tools | Circuit Specialists

Browse our selection of premium jumper wires and jumper wire kits. Our comprehensive jumper wire kits offer multiple sizes, colors, and pre-formed and pre-cut wires for your convenience.

Microsoft Word

© 2026 EXF OPTICAL NETWORKS - All rights reserved

PROPER USE OF JUMPERS (May 1, 2023) This document provides information about the proper use of jumpers during construction, inspection, servicing, and maintenance of conveyances.

Related Video Reference

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

Contact Us

Continue your research online:

Website: https://explosivefunctions.co.za
Technical inquiry: https://explosivefunctions.co.za/contact.html
EU project coordination: Parque das Nações, Lisbon, Portugal

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

© 2026 EXF OPTICAL NETWORKS - All rights reserved