

SOLIDWORKS Routing – Electrical

Length: 2 days

Prerequisite: SOLIDWORKS Essentials

Description: SOLIDWORKS Routing - Electrical teaches you how to create, edit and manage Electrical routes, from the critical routing components and their requirements to the subassemblies that contain the routes.

Course Syllabus

Introduction

- About This Course
- Using this Book
- Windows
- More SOLIDWORKS Training Resources

Lesson 1: Fundamentals of Routing

- What is Routing?
- Routing Setup
- General Routing Settings

Lesson 2: Basic Electrical Routing

- Basic Electrical Routing
- Adding Routing Components
- Start by Drag and Drop Connector
- Auto Route
- Save to External File

Lesson 3: Routing with Clips

- Routing with Clips
- Routing Through Existing Clips
- Adding Clips while Auto Routing
- Editing a Route
- Working with Clips
- Routing Through a Clip
- Splitting a Route
- Adding a Splice
- Multiple Routes Through a Clip

Lesson 4: Electrical Routing Components

- Routing Library Parts Introduction
- Electrical Routing Library Parts
- Libraries
- Routing Component Wizard

- Routing Component Attributes
- Electrical Libraries

Lesson 5: Standard Cables and Reusing Routes

- Using Standard Cables
- Standard Cables Excel File
- Modifying Standard Cables
- Creating a Standard Cable
- Reuse Route
- Delink Harness
- Routing Templates

Lesson 6: Electrical Data Import

- Importing Data
- Routing Library Manager
- From/To Lists
- Route Properties
- Route Guidelines
- Using Guidelines and Clips

Lesson 7: Electrical Drawings

- Route Flattening and Detailing
- Annotation Flattening
- Flatten Route
- Manufacture Flattening
- Lesson 8: Flex Cables
- Flex Cables
- Flex Cable Routes
- Flex Cable Auto Routing
- Using Flex Cables with Clips

Lesson 9: Electrical Conduits

- Electrical Conduits
- Rigid Conduit





- Orthogonal Routing with Auto Route
- Electrical Data in Conduits
- Manual Sketch Routing
- Flexible Electrical Conduit

Appendix A: Review Section

- Review of Configurations
- A Note About File References
- Design Tables
- Review of Top Down Design
- Editing Options
- Review of Design Library Task Pane
- Review of 3D Sketching



**CADIMENSIONS IS A SOLIDWORKS
CERTIFIED TRAINING CENTER**

[CADIMENSIONS TRAINING CATALOG](#)

