

Course Duration: 2 day

Prerequisites: SolidWorks Essentials,

Description: Routing - Electrical explains how to create, edit and manage Electrical routes, from the critical routing components and their design requirements to the sub-assemblies that contain the routes.

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
Splitting a Route
Adding a Splice

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

Using Standard Cables
Standard Cables Excel® File
Modifying Standard Cables
Creating a Standard Cable
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: Electrical Ribbon Cables

Electrical Ribbon Cables
Ribbon Cable Components
Auto Routing Ribbon Cables
Using Ribbon Cable Clips
Through Connectors
Ribbon Cable Libraries

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



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