



# SOLIDWORKS Electrical Advanced

**Length: 2 Days**

**Prerequisite:** SOLIDWORKS Electrical Schematic, SOLIDWORKS Electrical 3D and having the SQLite browser installed.

**Description:** SOLIDWORKS Electrical Advanced teaches you more advanced topics not covered in the standard training course, and the features that require both Schematic and 3D features. Each section deals in detail with a specific feature in SOLIDWORKS Electrical, to provide you insight into the tools that can be applied to a variety of design challenges.

## **Course Syllabus**

### **Introduction**

- About This Course
- Use of Color
- More SOLIDWORKS Training Resources

### **Lesson 1 – Line Diagram Harnesses**

- Creating a Harness
- Stages in the Process
- Project Harnesses

### **Lesson 2 – Multi Level Terminals and Black Boxes**

- Multi-Level Terminal
- Stages in the Process
- Terminal Numbering
- Black Box Circuits

### **Lesson 3 – Library, Classification Management**

- Creating a Library
- Stages in the Process
- Library Filters

### **Lesson 4 - Import DXF DWG Files**

- Import DXF DWG Files
- Stages in the Process
- File Definition
- Symbol and Title Block Mapping
- Convert Attributes
- Configuration Files
- Reviews Results

### **Lesson 5 – Import Manufacturers Parts**

- Import Parts
- Stages in the Process

### **Lesson 6 – ERP Database Connection**

- ERP Database Connection
- Stages in the Process
- ERP Connection
- Customize User Data
- ERP Data Flow
- Update Data

### **Lesson 7 - Export to Import from Excel**

- Import Export to Excel
- Stages in the Process
- Excel Export/Import Configuration
- Export to Excel
- Import from Excel
- Replace Data

### **Lesson 8 - Excel Automation**

- Auto Generate Drawings from Excel
- Stages in the Process
- Excel Macros and Variables
- Linking SQL Tables to Excel
- Inserting Drawings and Types
- Macros Variables

### **Lesson 9 - Report Creation**

- Reports
- Lesson Structure
- Warning





- Stages in the Process
- Basic Query
- Adding Fields
- Filtering Fields
- Writing a Complex Query
- Table Aliases
- User Data
- Counter
- Part Descriptions
- Can Sum
- Location Parts
- Report Query

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CADIMENSIONS TRAINING CATALOG

