

Bei dem hier beschriebenen Training handelt es sich um ein Cadence Standard Training. Sie erhalten eine Dokumentation in englischer Sprache. Die Trainingsprache ist deutsch, falls nicht anders angekündigt.

Allegro PCB Router Basis

Overview

Description

Learn how to use the SPECCTRA® printed circuit board autorouter and interactive wire editing tools.

This class teaches you how to:

- Create do (command) files to define design rules and control the autorouting process
- Route specific nets or parts only
- Control which routing vias are used during automatic and interactive routing
- Restrict routing to specific areas of the board, and how to keep signals away from other areas
- Define basic and complex design rules for high-speed routing
- Use the fanout router for surface mount devices
- Perform batch mode routing to test various strategies
- Analyze routing progress and predict success or failure as early as possible
- Use the interactive routing tools
- Clean up the autorouted connections, diagonalize corners, reduce via counts, and increase manufacturability.

Audience

- This course is intended for new users who need basic training. If you have been using the SPECCTRA autorouter for at least six months, and have routed several production designs, you may consider attending the [Advanced SPECCTRA Autorouting techniques class](#)

Software

- SPECCTRA Expert System series product
- SPECCTRA Expert AutoRouter legacy product

Prerequisites

- You should have a working knowledge of PCB design and a basic understanding of PCB manufacturing processes
- Some familiarity with WindowsNT or UNIX is helpful

Related Courses

- [Advanced SPECCTRA AutoRouting Techniques](#)

Course Agenda

- Allegro Interface
- SPECCTRA Overview and GUI Labs
- Exploring the SPECCTRA Environment
- Running the Autorouter
- Learning about Adaptive Autorouting Behavior
- Creating and Using Command Files
- Understanding the Parts of a Basic
- Routing Command File
- Using Batch Files for Autorouting
- Analyzing Route Status Results
- Predicting the Routing Success from
- Initial Route Status Results
- Routing for 100% Completion
- Applying Timing and Noise Rules
- Applying Topology Rules
- Using the Interactive Router
- Working with Post-Routing Commands

Special Notes

You need either the SPECCTRA Expert System series product or the SPECCTRA Expert AutoRouter v10 legacy product.