



# CERTIFICATION

This is to certify that

**Sergio Lopez Casablanca**

has successfully completed the course

**Power and Signal Integrity: Advanced Materials,  
Manufacturing, and Techniques**

Date **24 JUL 2025**

Course tutor

*Rolf Ostergaard*

**Rolf Ostergaard**



**Course duration:** 2h 10min **Course content:** Frequency-dependent Losses, PCB Materials, PCB Manufacturing, Laminates/Cores, Prepregs, Glass Weaves, Materials for high speed, Cu Foil, Stackup Design and Strategies, Via Design, PCB Surface Finish