FEDEVEL

CERTIFICATION

This is to certify that

Emre Burak El

has successfully completed the course

Power and Signal Integrity: Power Delivery, SSN, and Noise Margin

Date **30 JUL 2026**

Course tutor Rolf Ostergaard

Rolf Ostergaard

Course duration: 2h 10min **Course content:** Power Distribution Network (PDN) Design, Bypass Capacitors, Bypassing, Ground Bounce and VCC Bounce, Noise Margin Budget and Routing Rules

Certificate number: 1d7287417b9b9c1089520a8d0