

CERTIFICATION

This is to certify that

Bruno Ricardo Antunes Duarte

has successfully completed a course

Advanced Hardware Design

Date: 11 JAN 2021 - 21 MAR 2021

Course tutor

Robert Feranec



Software used: **Altium Designer**

Course content: 1) Starting a new project 2) Schematic design 3) Selecting components and creating libraries 4) Footprints, 3D models, starting a new PCB 5) Variants & BOMs 6) Checking libraries and schematic 7) PCB layout & Placement 8) PCB layout & Impedances, stackup 9) Stackup, finishing PCB, length matching 10) Generating output documentation

Certificate number: 1c651a77304c7a2f0730176f4