FEDEVEL EDUCATION

CERTIFICATION

This is to certify that

Mahmoud Abd Elaziz Elsayeh

has successfully completed
FEDEVEL ACADEMY course

Advanced PCB Layout

Date: **8 APR 2022**

Course tutor: Robert Feranec

Course duration: 14h 55min
Software used: Altium Designer
Course content: 1) Placement 2) Basic Rules & Basic Stackup, Fanout under CPU, DDR3 preliminary layout 3) Board fanout, Planning Layout, Crosstalk, Impedances & Stackup 4) High Speed Design Rules & Routing, Layer ordering 5) Number of layers, Layout 6) Length matching, About memory routing, Polygons & Power Planes 7) Checking PCB, Length tuning, Finishing PCB, Generating & Checking gerber files

Certificate number: 1c654a97105c7a8f4760871f3