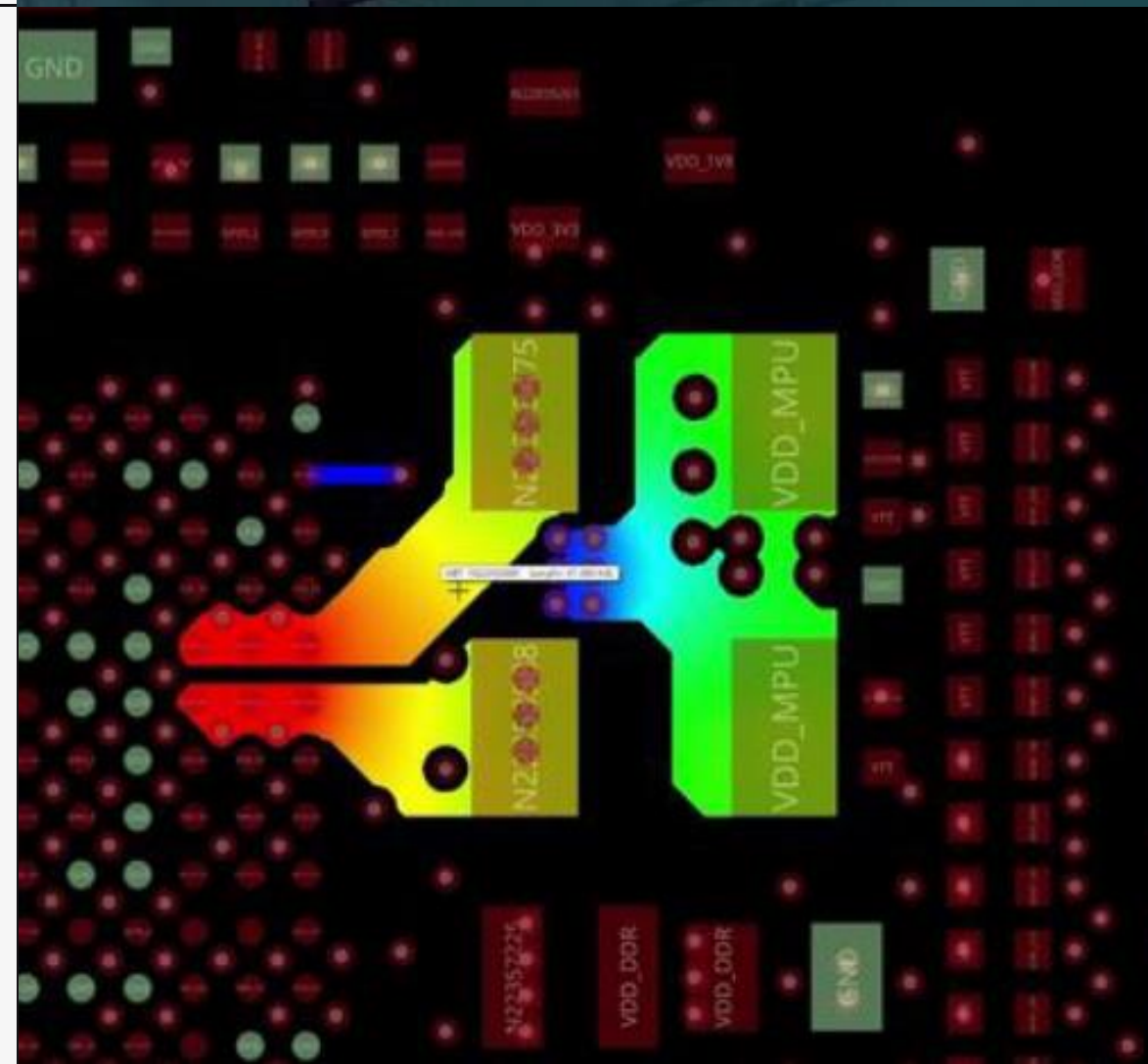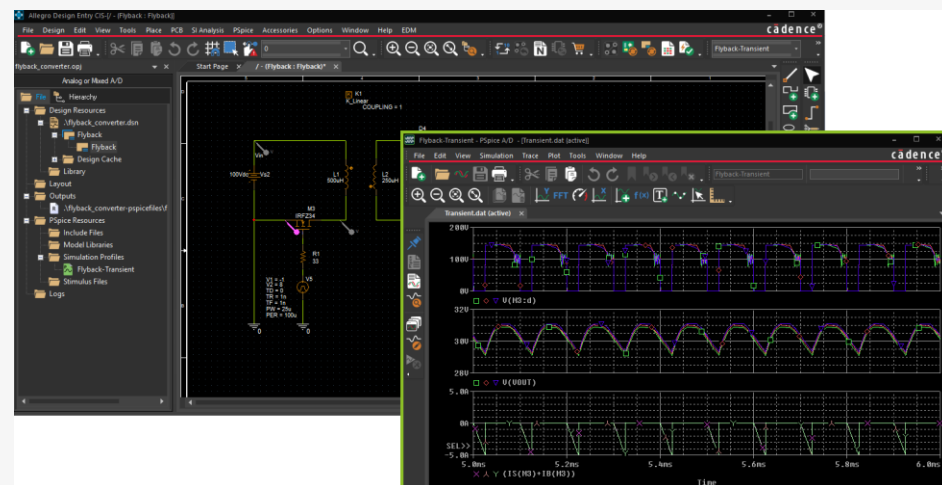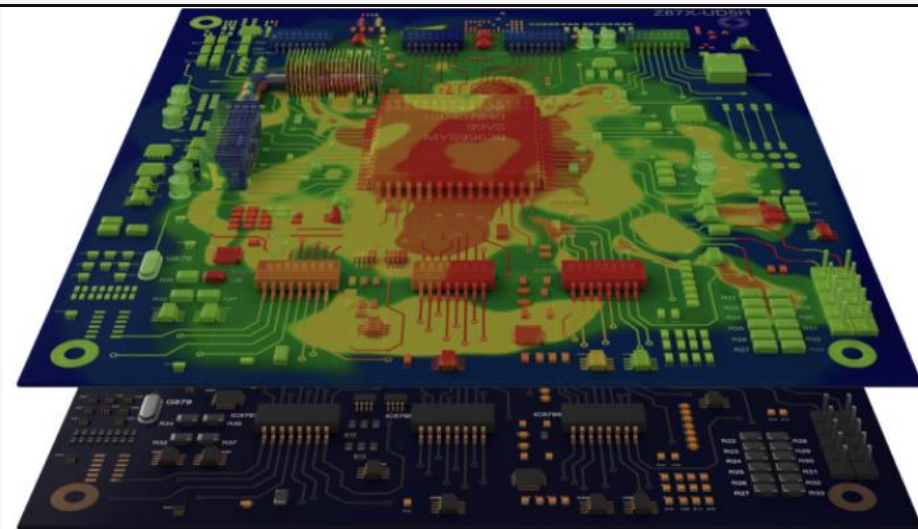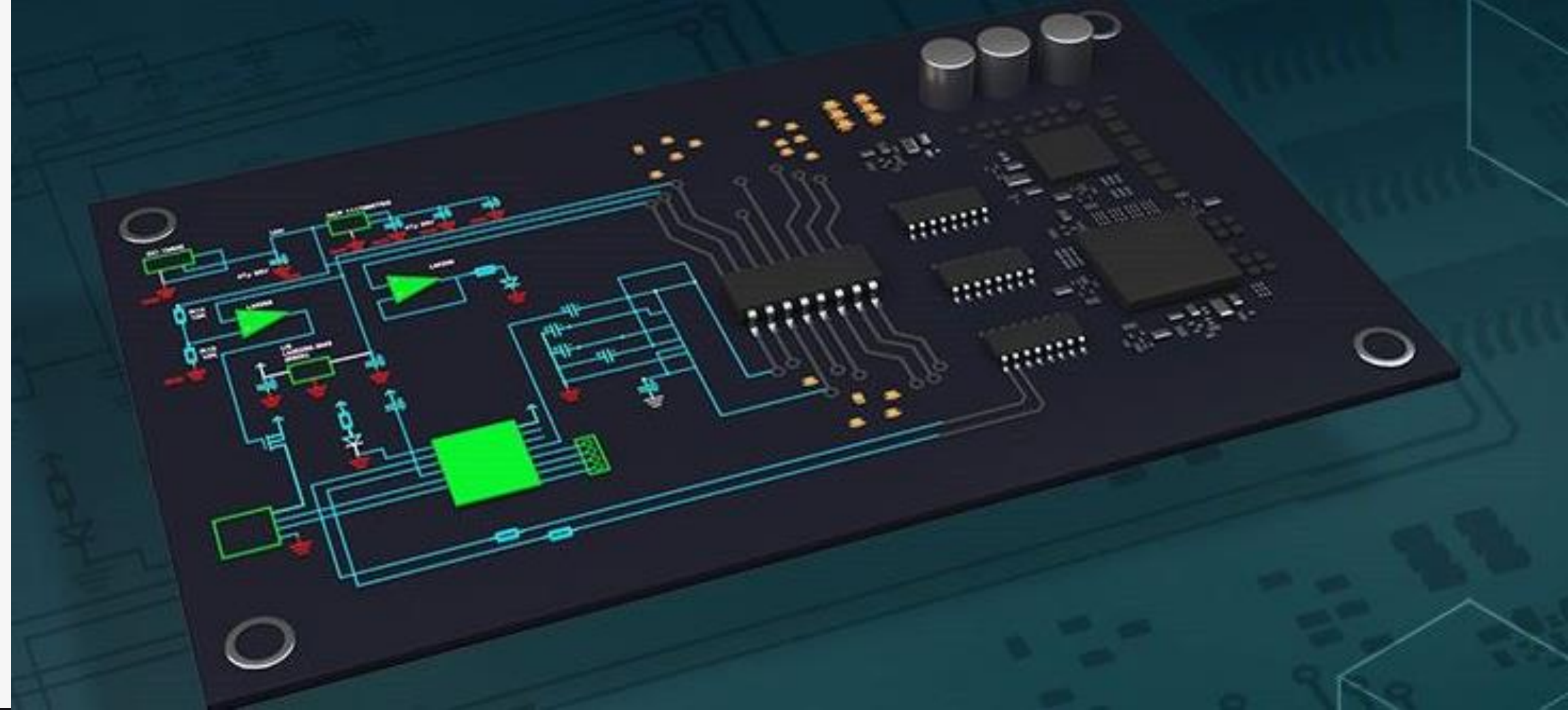# Andak Consulting

ONE STOP
ENGINEERING SERVICES
PROVIDER

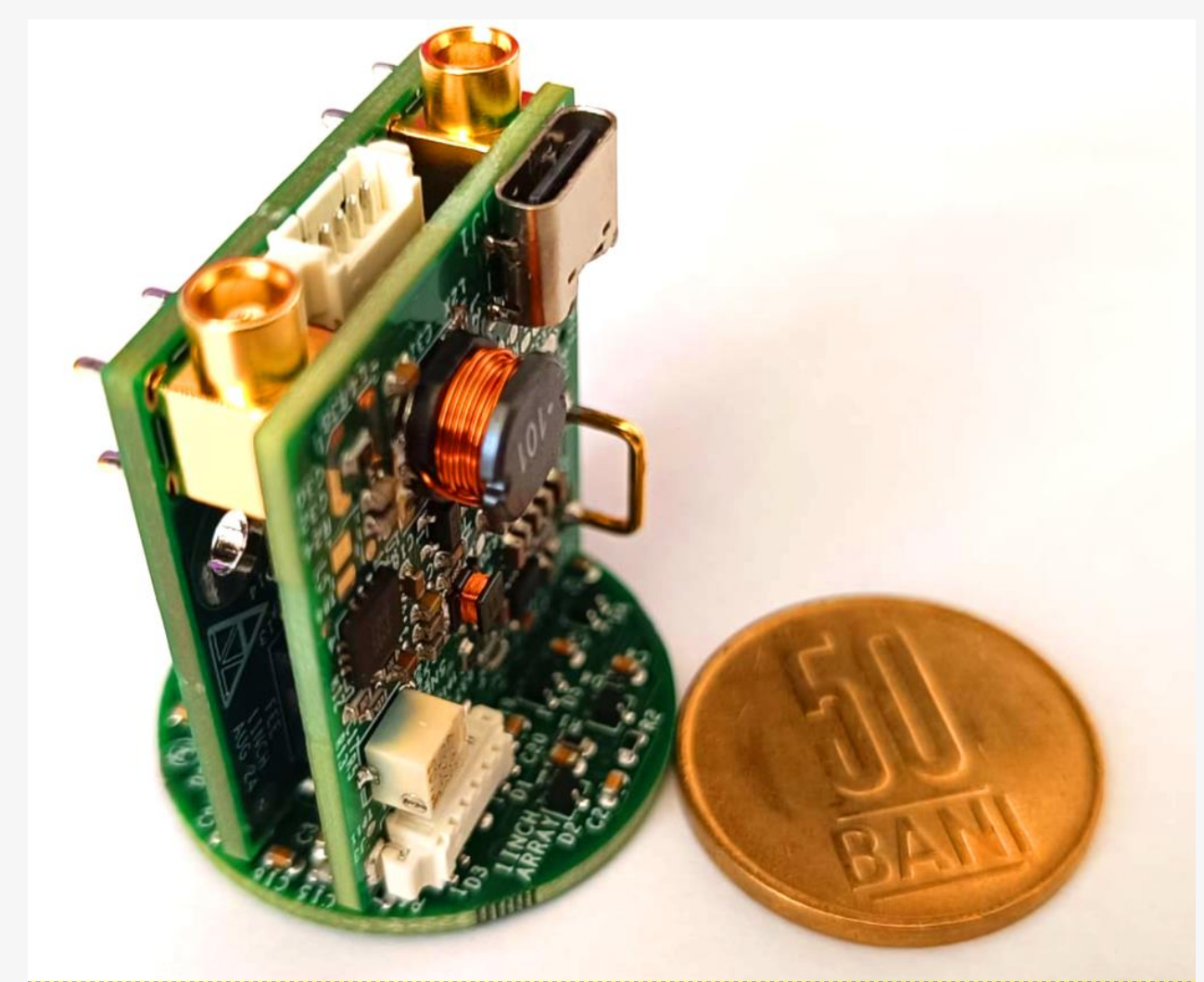# FLOWCAD & CADENCE CHANNEL PARTNER

Local distributor for OrCAD-X, Allegro, Sigrity X, PSpice, OMNIA, OEM products

Technical Expertise and Local Support

Engineering Services

HW Engineering (Digital, Analog, High Power)

Mechanical design

PCB Design

High energy physics, nuclear electronics

Library services

Manufacturing management

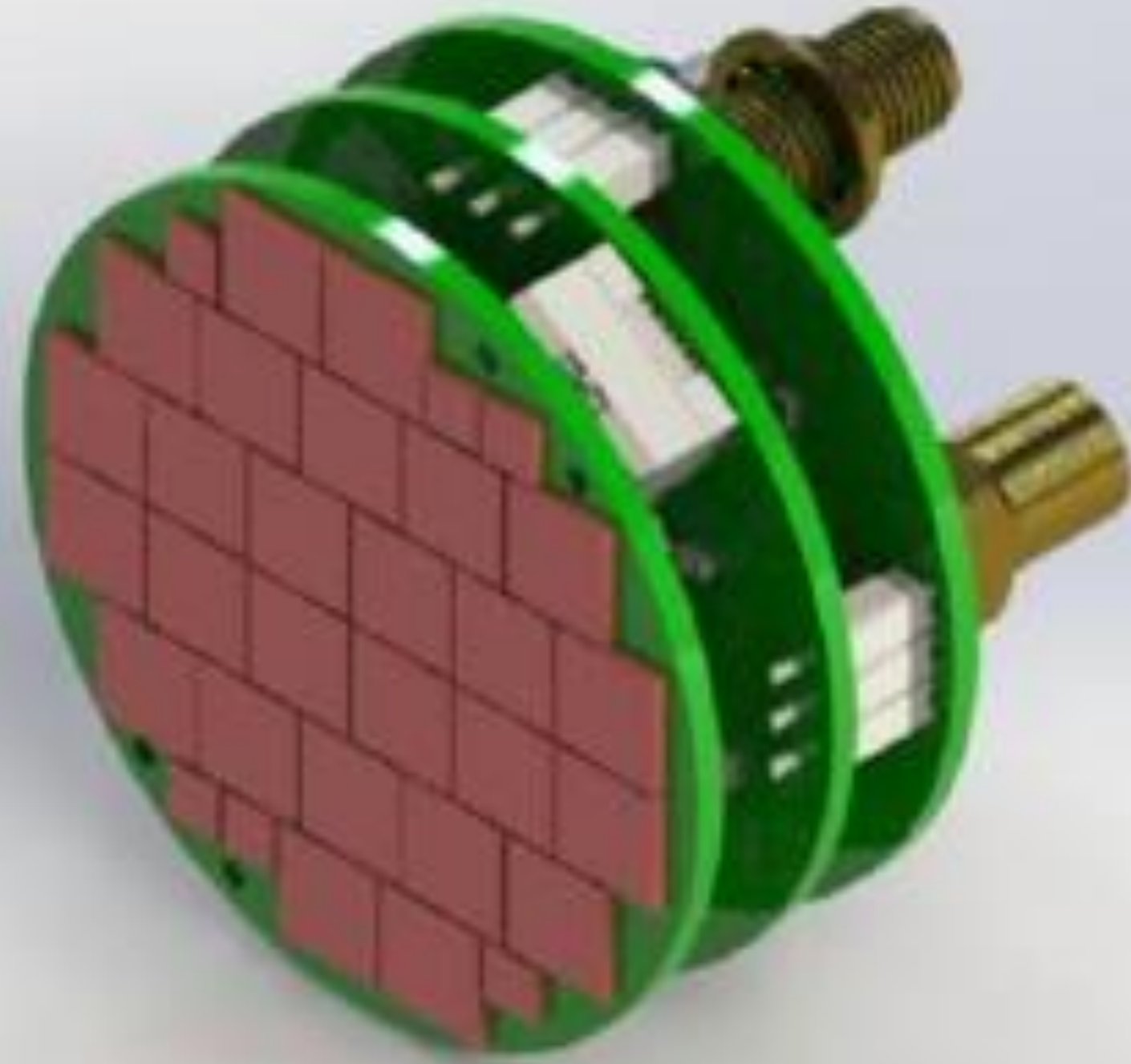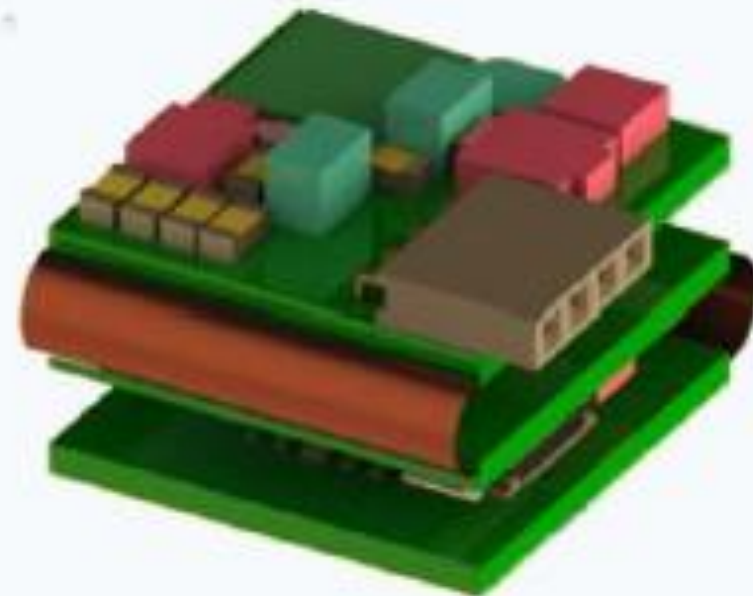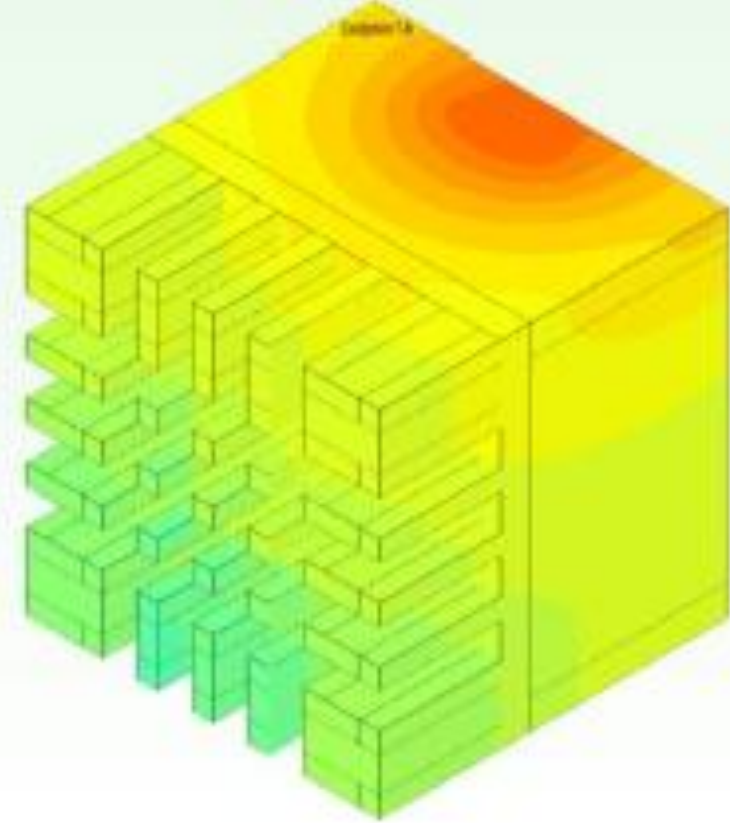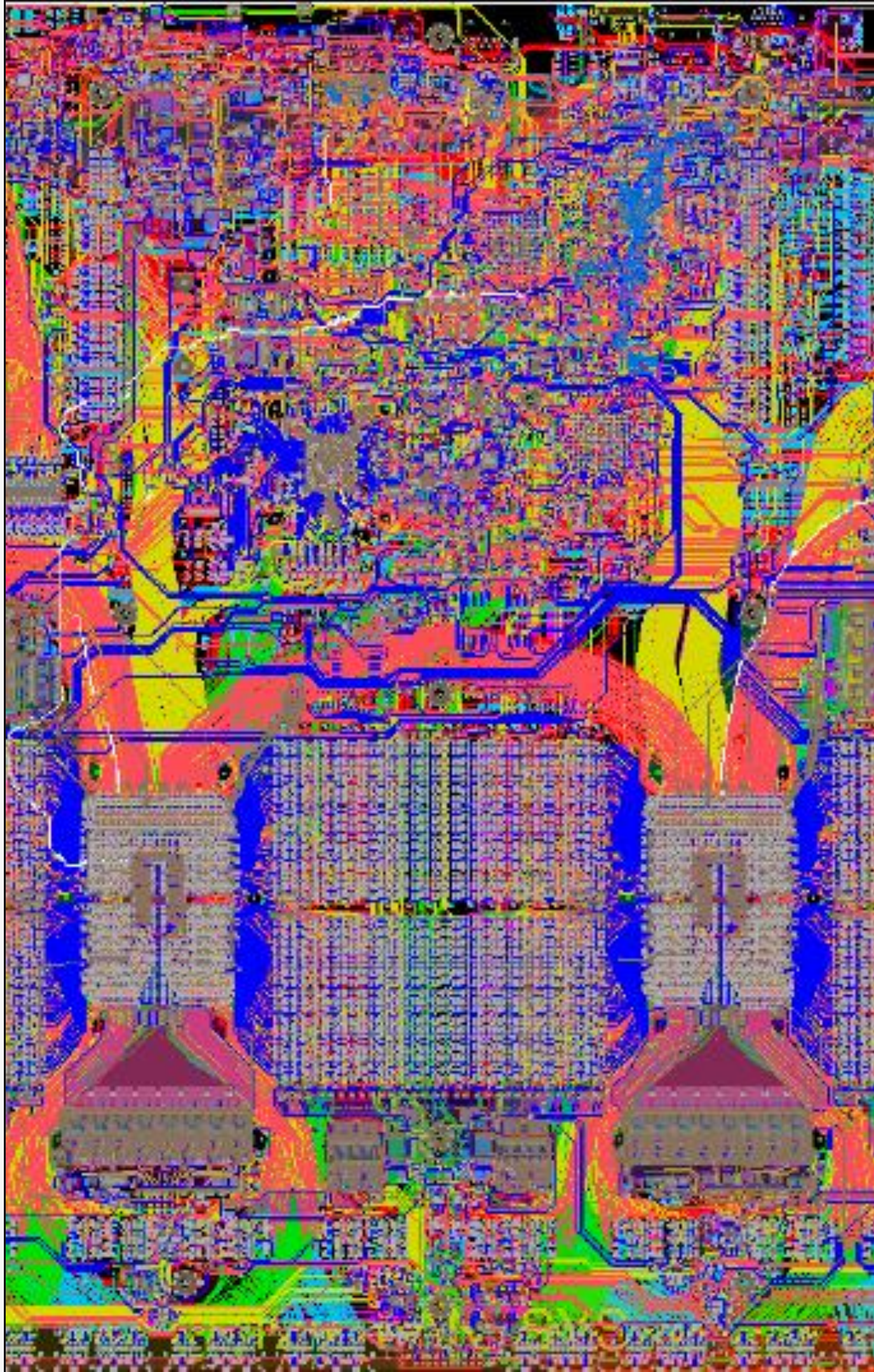SKILL Customization and tool integration (OrCAD and Allegro)

Reverse engineering

HW ENGINEERING

Key points

- System architecture
- Complete system design
- HW Engineering
- PCB Design
- Mechanical modelling
- Thermal management
- PCB and PCBA manufacturing management
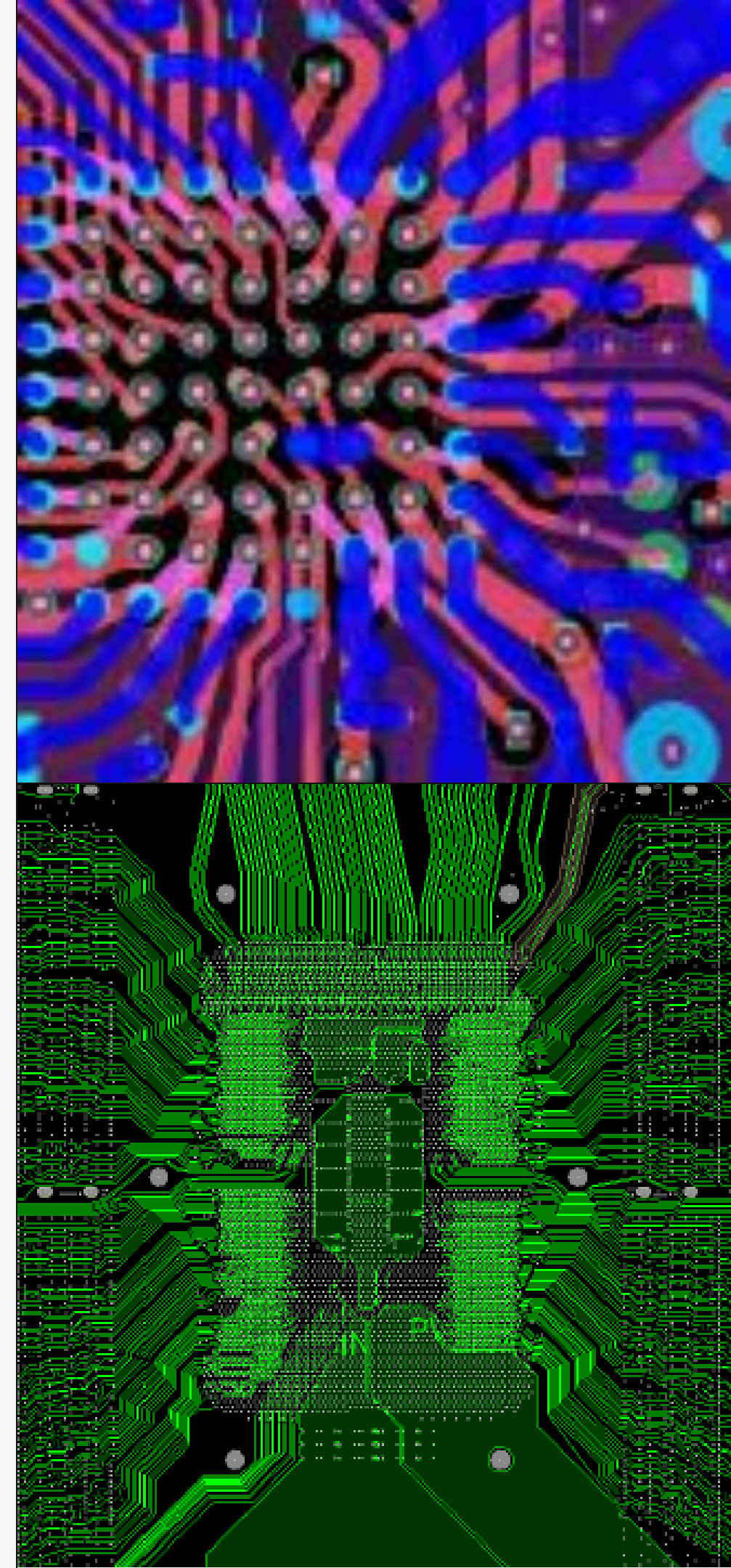- Very High-Density systems

PCB Design

Key points:

• High complexity (e.g. 8400 components, 35000 connections)
• High speed, analog, RF, DDR5, HDI (0.35mm BGA)
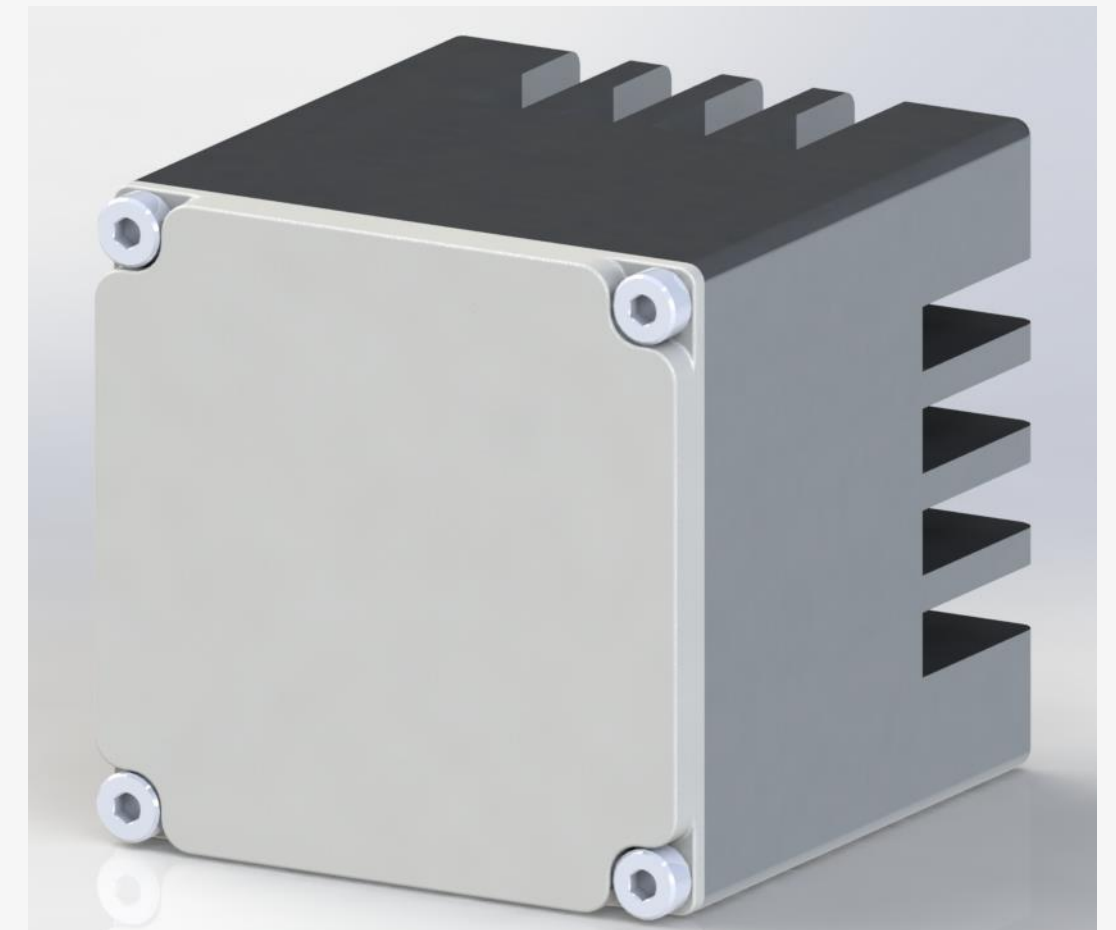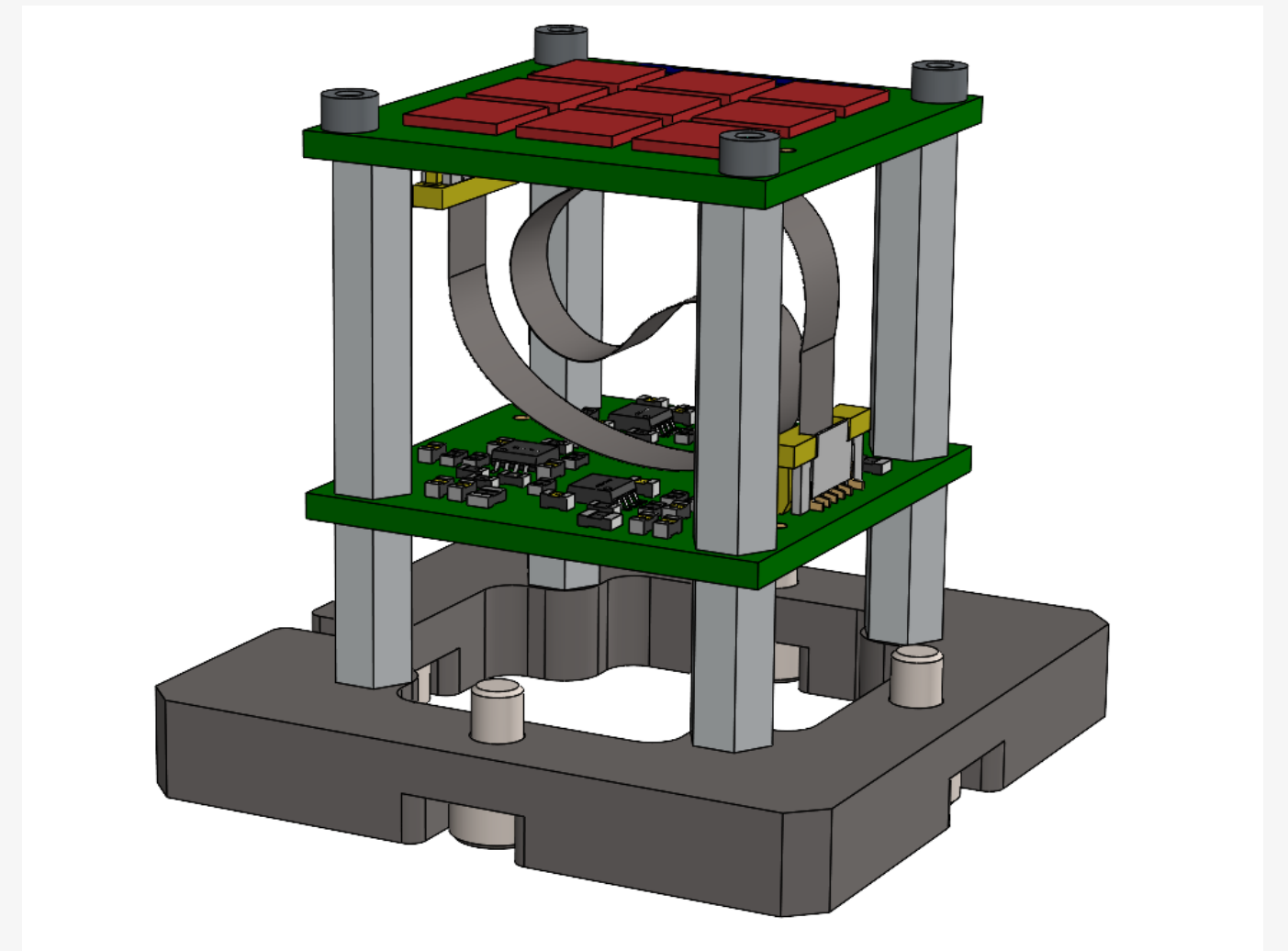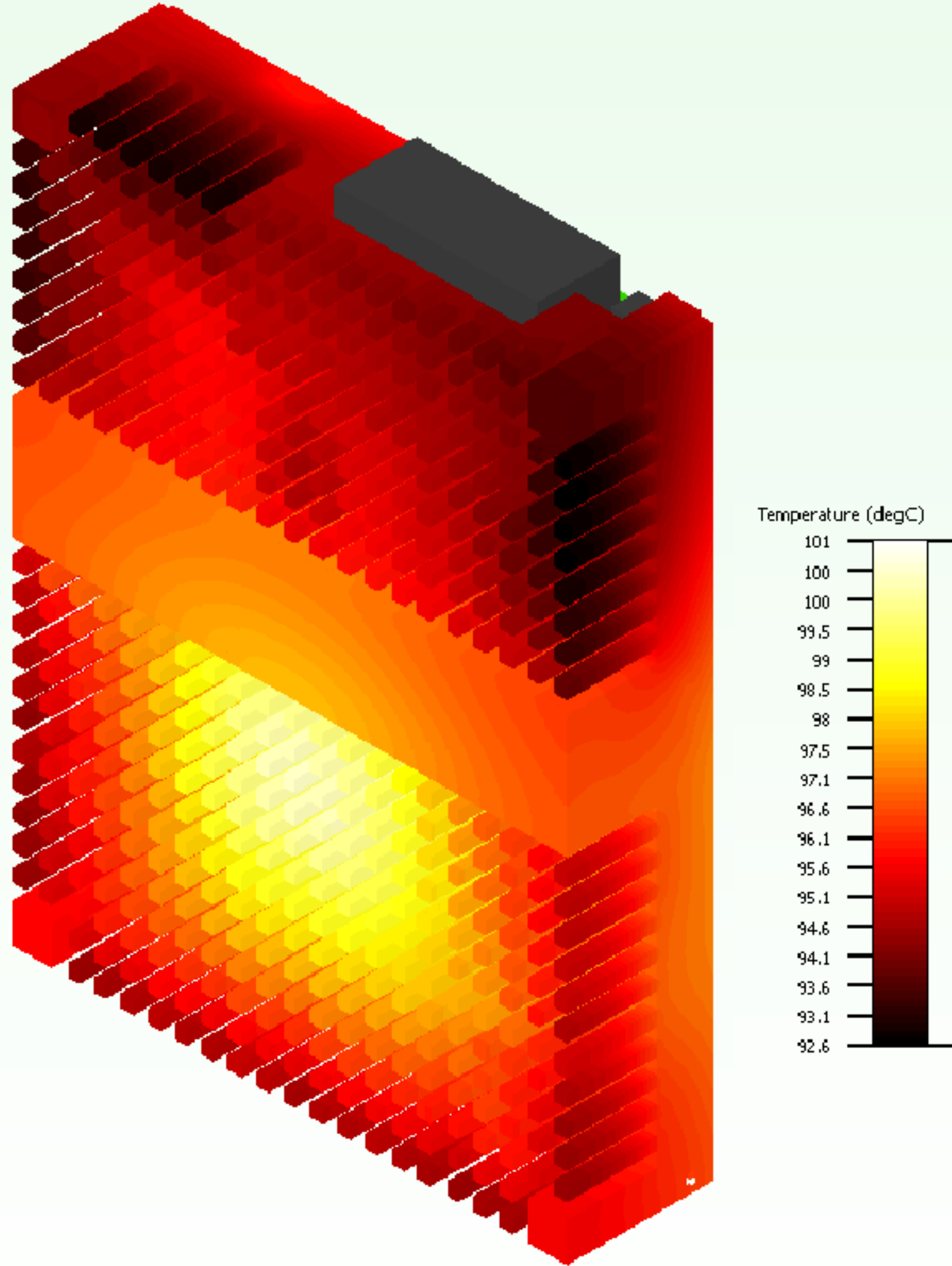• High density boards

MECHANICAL DESIGN

Key points

- System design
- Enclosure design
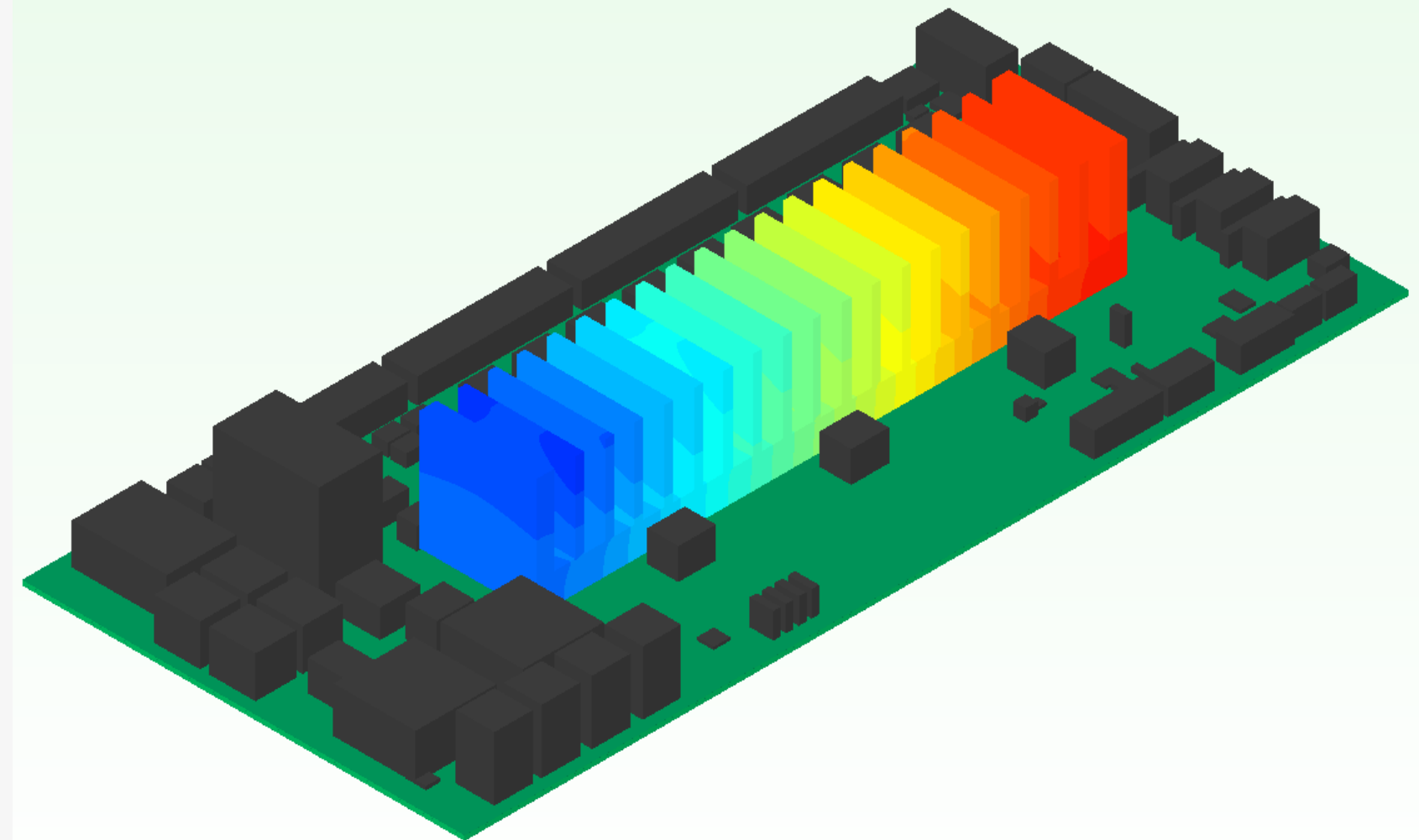- Fast prototyping
- Miniaturization
- 3D Modelling

THERMAL ANALYSIS & SIMULATION

Key points

- System behavior analysis
- Thermal and flow simulation - CFD
- Optimization - Parameter sweep analysis
- Design Of eXperiment – case studies

SOFTWARE ENGINEERING

Key points

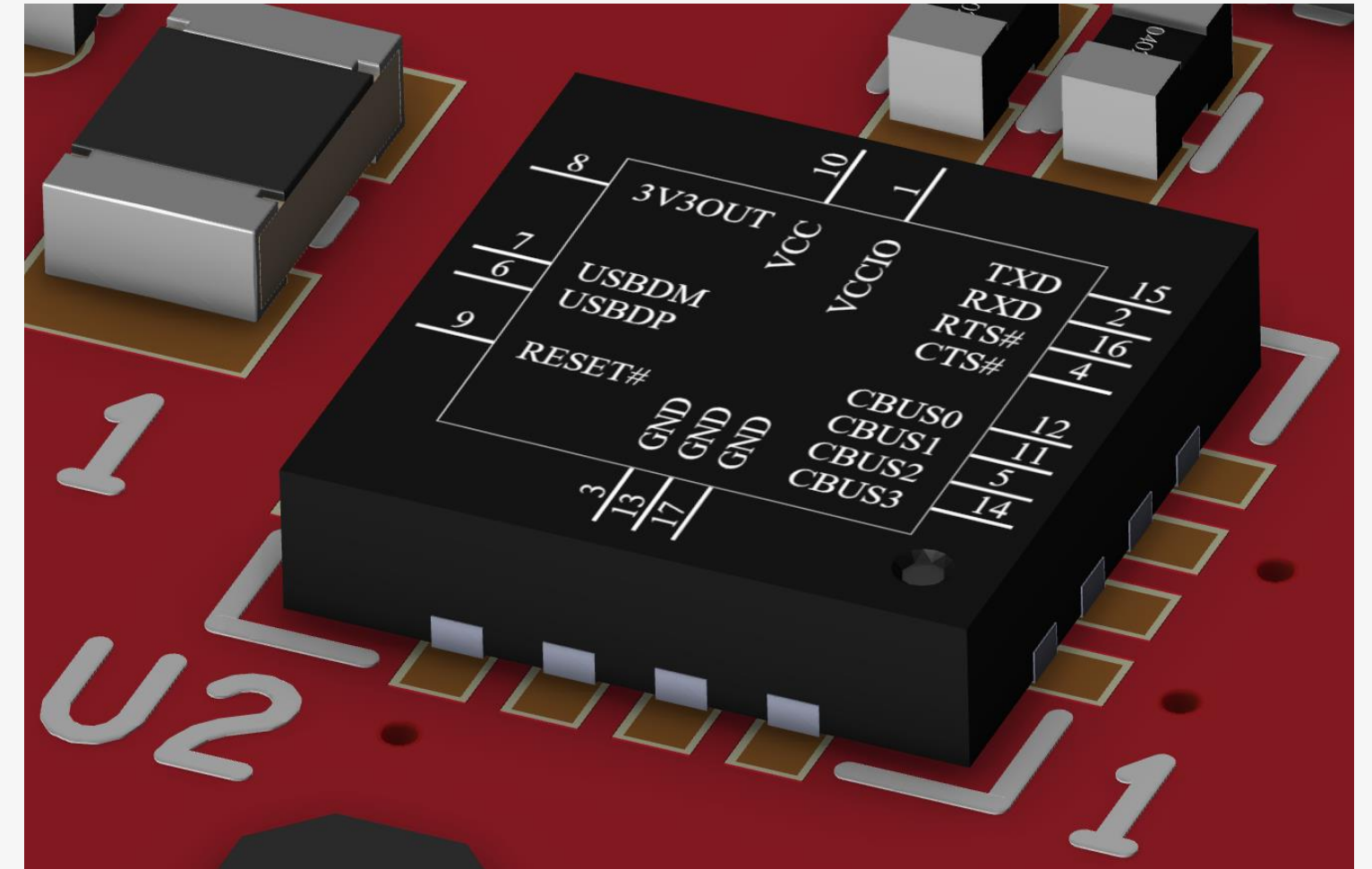- SKILL – OrCAD X PCB and Allegro
- TCL/Tk – OrCAD X Capture
- Embedded software
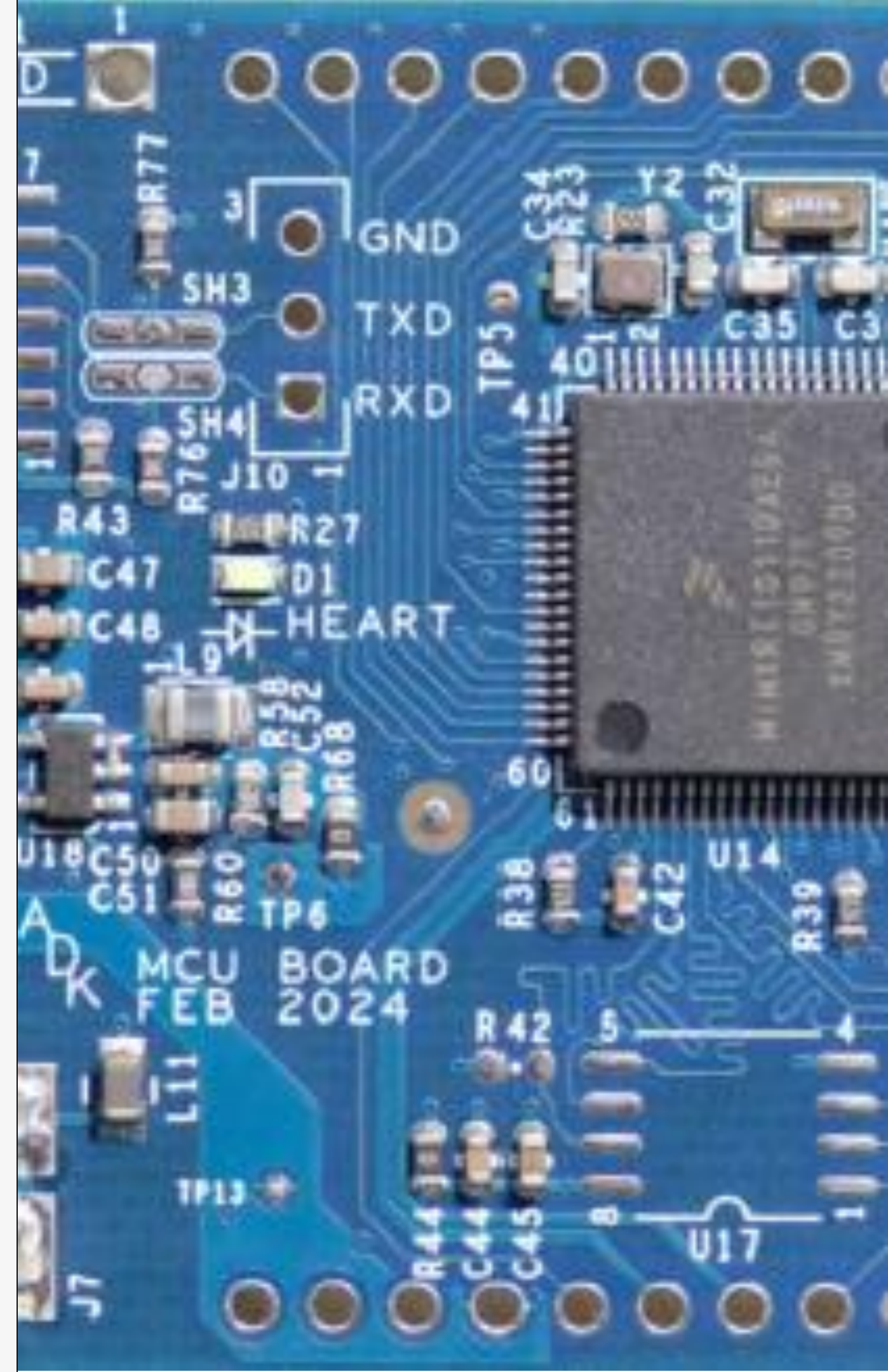
LIBRARY SERVICES

Key points

- Schematic Symbols, Footprints and 3D
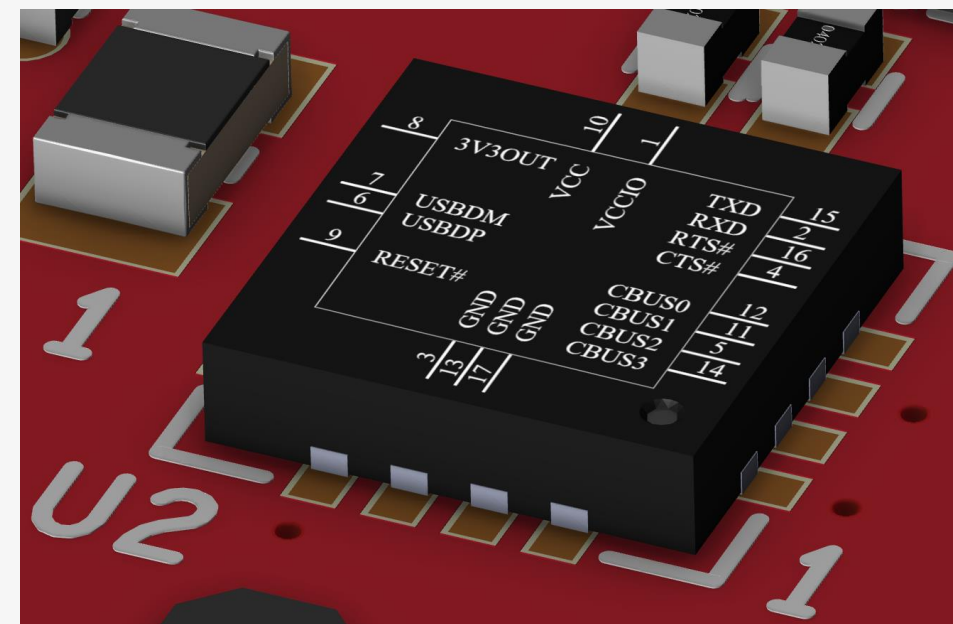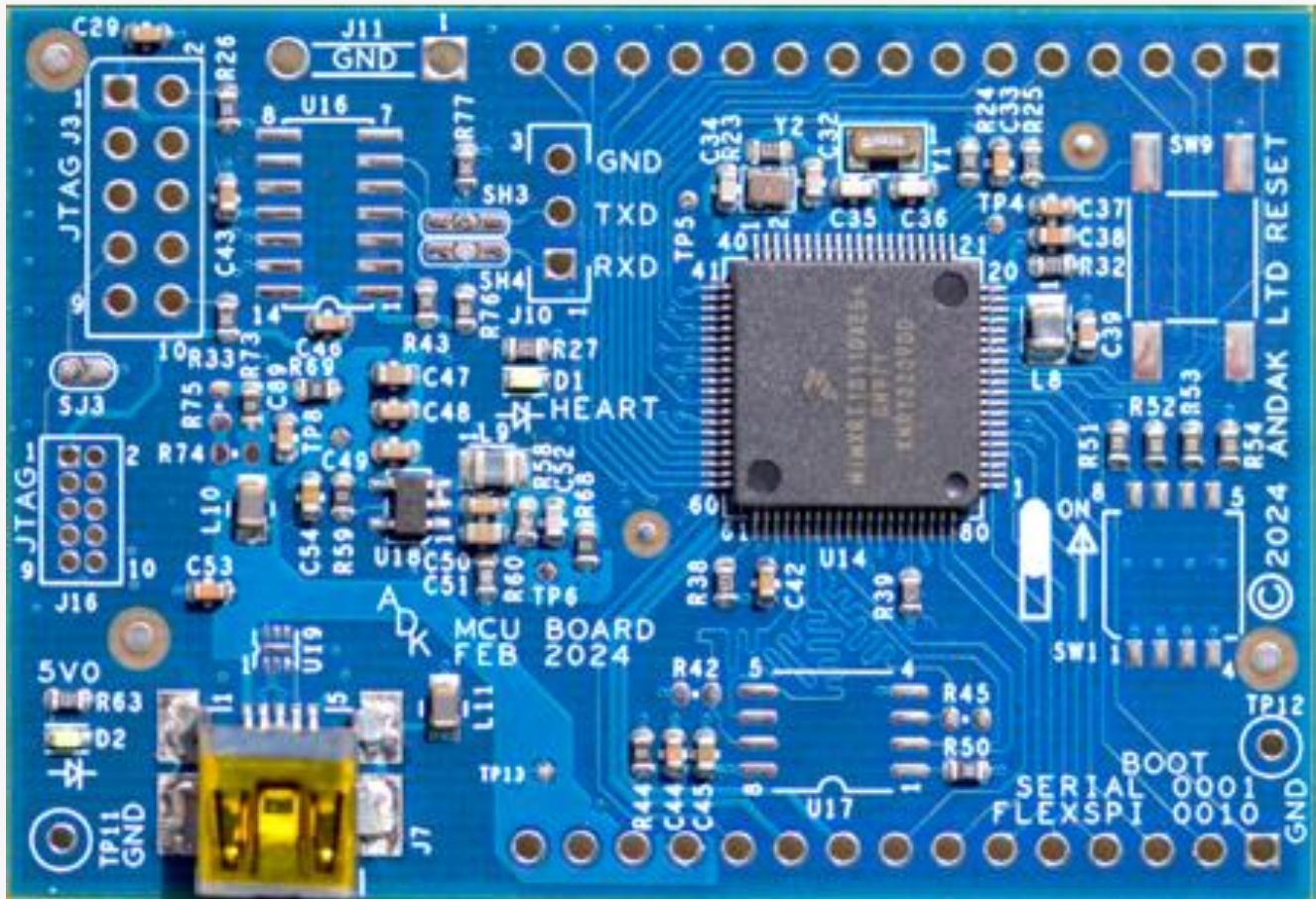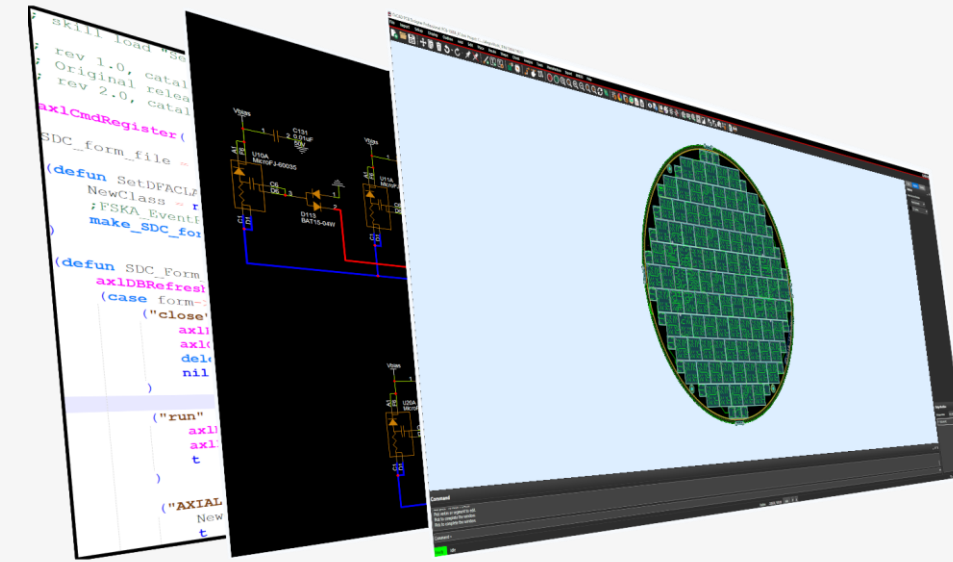- Fast response
- IPC Standards
- CIS library management

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office@andak.ro

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https://andak.ro/