

Layout of Printed Circuit Boards

We offer a comprehensive, efficient, and affordable PCB layout service that complies with all relevant requirements of the industry today.

Professional PCB layout

A professional PCB layout is optimally designed for manufacturing, it gives better EMC capabilities, higher yield during manufacturing, and it is easy to make product design updates in the future.

By using the industry's top design tools we are able to support your needs for a highly professional ready-to-go-solution based on data from your schematic entry.

We have accumulated more than 60 man-years of PCB layout experience with a huge variety in complexity. This ensures a smooth and effective communication regardless of the type of PCB layout.

We can provide layout work fully or partly at our customer site. This is relevant for floor planning sessions, changes after EMC-test etc.

World-class tools

At EKTOS we use a suite of the best tools and we are open to taking in new tools on request. The tools we currently use are:

Cadence

OrCAD 16.6 and newer.
Allegro 16.6 and newer.

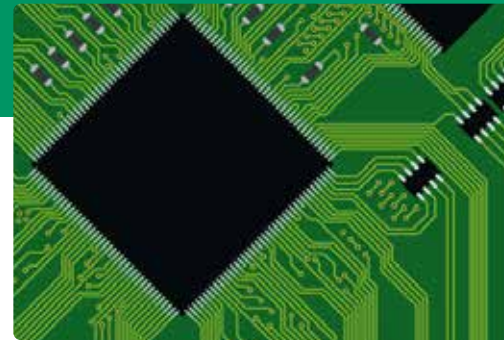
Mentor Graphics

PADS 9.4, VX, and newer.

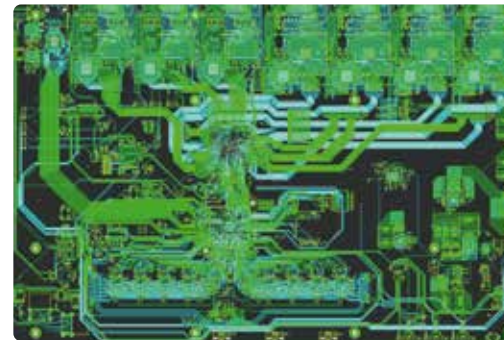
Our skills and experience

We can offer a comprehensive set of skills:

- High speed, multi layer digital PCB designs: Bus routing, differential pairs, matched lengths
- Extensive RF and analog design: printed antennas, guard rings, RF shields, etc.
- Development of power electronics from a few watts to 100 kW
- Signal integrity issues to meet your digital design needs
- PCB layer management for signal integrity and impedance control
- DDR, DDR2, DDR3, SAS
- High density SMT designs (BGA, uBGA, PCI, PCIE, CPCI, etc.)
- Flexible PCBs
- PCB with aluminium or ceramic substrate
- Complete assembly drawings
- Optimization for mass production
- Professional manufacturing documentation



Our engineers use the best tools available on the market



Example of a medium-complex layout. The board size is 340*320 mm.



Contact us and find out how we can help you

GET A QUOTATION FOR YOUR LAYOUT

Send us the details about dimensions, amount of layers, pins, power planes, etc. and we will get back to you with a quotation. You can also call us right away to discuss your needs.

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