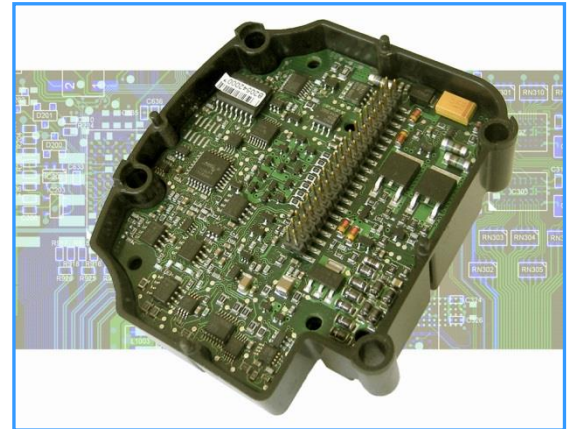


## CAD and layout design

### Overview

The technical demands on CAD and Layout Design are getting more and more important because of minimized product dimensions and rising functional and non-functional requirements at the same time.

New technologies are used and allow special outlines. The situation is tightened by special requirements from the fields of EMC, functional safety or explosion-proof.



### Competence

MESCO Engineering is your partner for innovative electronic development and software development in the field of process and factory automation.

We provide professional CAD services for layout design and layout on various systems, for client specific fabrication documentation, for material organization and cost finding for prefabricated parts as well as for communication with external printed board manufacturers and support for the manufacturing process.

Because of the efficient teamwork between CAD designer and MESCO development engineers it is possible to achieve critical CAD projects without redesign-phase and to allow short-time project duration.

### Standards

IPC-2221

IPC-2222

IPC-600

IPC-610

DIN ISO 2768-1

### Services

- Place study / feasibility study
- Professional drafting of circuit diagram, layout and documentation components for processing of printed board manufacturing and component manufacturing
- Experience in safe access on customer's component libraries / data bases
- CAD creation on the customer's provided system (optional)
- Special consideration of EMC-, explosion proof- or functional safety standards
- Optimization in regards of manufacturing costs and space available
- CAD creation according to IPC and MESCO design guideline
- Adaption / orientation on customer specific manufacturing guidelines
- Experience in cooperation with external manufacturers
- Exact, cost optimized and punctual work