



# Schematic System for Electronic Design - E<sup>3</sup>.logic

D A T A S H E E T

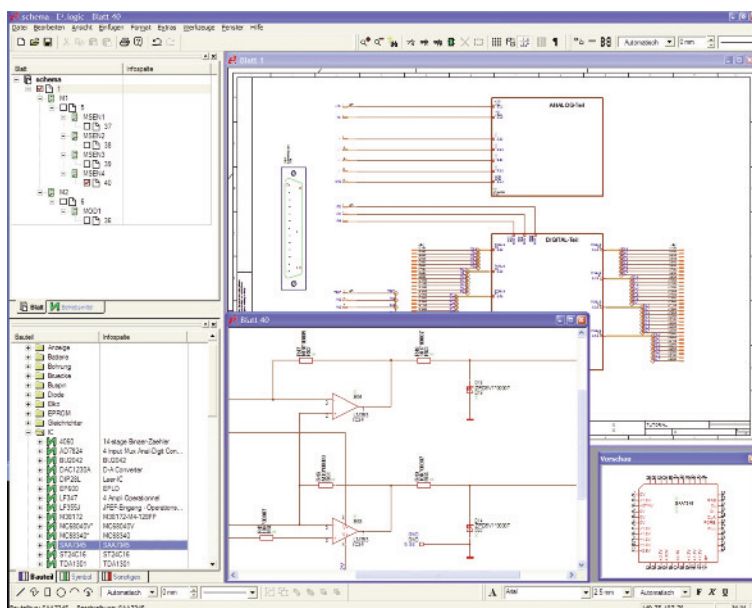
## BENEFITS

- direct integration in E<sup>3</sup>.cable allows documentation of the complete electronic system
- allows design teams to work in parallel with CADSTAR Layout
- consistent display of circuit diagrams throughout the product's life cycle
- easy transfer of components and symbols in the library-database

E<sup>3</sup>.logic is a complete and open CAD solution for the creation of circuit diagrams used in electronic design. This modern application is based on a common component and symbol database, ensuring the consistent display of circuit diagrams throughout the product's entire life cycle.

E<sup>3</sup>.logic permits different design teams to work in parallel and together with CADSTAR Layout, based on a common Component Database structure. Constraint definitions are forward- and back-annotated directly between E<sup>3</sup>.logic and CADSTAR or using extended RINF file format. Cross-Probing is also supported.

The direct integration in E<sup>3</sup>.cable allows the documentation of the complete electronic system. Interface connector information of the PCBs can be updated and re-used in E<sup>3</sup>.cable. The system documentation consists of PCBs, additional actuators and sensors and their electrical connections using wires and cables.



## E<sup>3</sup>.logic Feature List

- Hierarchical design to any nested depth
- Modular design
- Variants and options
- Busses and bus-pins
- 256 different levels per object type
- Search tool for signals, text, cross-references, symbols and components
- On-line help
- Modifiable display for manufacturing purposes (e.g. line width of connect lines, busses, signal types, etc.)
- Drawing generated in different standards: DIN, ANSI, JIC
- Standard interfaces, e.g. DXF, DWG, Bit-map Graphics, bi-directional COM Interface
- Symbol and component selection based on pictograms with search and exchange possibilities
- User-definable signal attributes
- User definable grid and text sizes, characters and line types
- Intelligent import/export, copy, delete, rotate and mirror drawings and areas
- Unlimited possibilities for exchanging symbols and components
- User-defined documentation (e.g. Parts List, Connection Plan, etc.)
- Customized, object-oriented, user interface, which can be integrated with other applications
- Dynamic Pan and Zoom
- Manages unlimited number of drawings
- OLE connection to any application
- Object-oriented ODBC database
- Supports customer-specific sheet formats
- Online signal and component cross-references within drawings
- Continuously checks for adherence to technical guidelines, such as short circuits, multiple assignment of symbols and overcrowding of components
- User-defined components with configurable symbol dependence

## Additional Modules

E<sup>3</sup>.logic can be used in conjunction with other modules of E<sup>3</sup>.series.

The E<sup>3</sup>.cable module, for example, allows the functionality of E<sup>3</sup>.logic to be expanded to construct cable harnesses and block diagrams.

- Cable and cable harnesses
- Manages counterparts and fitting parts
- Administers cable types
- Cabling Plans
- and much more.

## More

CADSTAR is a fully featured PCB Design System renown for its excellent price-performance ratio. From simple single-sided through-hole designs to multi-layer, surface mount, high-speed digital and analogue designs, CADSTAR is capable of designing today's most demanding Printed Circuit Boards. From schematics, board- and FPGA level system design, PCB layout, high-speed and signal integrity, analysis, 3D, creation of manufacturing output, to complete data management capabilities and extensive internet-accessible libraries containing over 200,000 components, CADSTAR provides you with all technologies necessary for a complete electronic development process in one environment.

For more information on all the tools and solutions available with CADSTAR, please visit [www.zuken.com/CADSTAR](http://www.zuken.com/CADSTAR)