

Get Up to Speed on ISO 26262

DfR Solutions
reliability designed, reliability delivered

Solve your Functional Safety Challenges with Sherlock Automated Design Analysis™

The increasingly complex electrical systems used in automotive manufacturing are becoming more and more critical in overall vehicle control and safety. Managing the enormous amounts of safety data required by the ISO 26262 requirement could easily add thousands of hours of design time.

Sherlock Automated Design Analysis™ Software, quickly and easily allows automotive suppliers to satisfy part 5 of ISO 26262. Sherlock uses automated finite element analysis, failure rate calculators and intelligent DFMEA engines to assess the expected reliability and automates functional safety activities of products at the circuit card assembly level.

Shift to Automatic

Sherlock is the only available software tool that identifies and imports all relevant data from your design files, cross references with our database, and automatically prepopulates the necessary work products. Automating your data capture and analysis will save countless hours allowing your experts to focus on critical issues.

Get into Gear

Managing the volumes of complex safety data required by the ISO 26262 standard can be daunting. Sherlock's unique nesting capability allows designers to more easily organize and analyze complex boards. Sherlock nests DFMEA worksheets for ease of organization enabling designers to view the overall circuit as well as sub circuits and components.

Merge into the Fast Lane

With its speed, ease of use, and accuracy, Sherlock is rapidly becoming the standard in automotive design reliability and safety in North America and around the world helping manufacturers and suppliers save valuable time and resources.

sherlock
AUTOMATED DESIGN ANALYSIS™

- ✓ **Fast**— Get reports in minutes
- ✓ **Easy to Deploy**—for all levels of engineering & management
- ✓ **Accurate**—Physics of Failure analysis provides more accurate safety and reliability predictions

Call for more information
Phone: (301) 474-0607
Fax: (240) 757-0053

Internal Development Validation:

Make sure that the product you are developing meets the needs of your customer before prototype and testing. Save valuable time in validation testing. OEMs are implementing shorter test times if Automated Design Analysis is performed.

External Supply Chain Coordination

Defining use environments and reliability requirements for your supply chain can now be standardized. Ensure that your suppliers are meeting your expectations. Reliability and Safety information can be communicated to customers in a secure manner without exposing sensitive design information, allowing for maximum assurance with minimum risk. Strengthen supply chain relationships, build trust, make the most of collaborative synergy.

Efficient Use of Data

Sherlock, in addition to an intuitive user interface and rapid computation capabilities, allows organizations to accelerate the analysis process and facilitate communication across product teams by using Sherlock data generated from previous projects. Information such as design files, environments, sub circuit FMEA blocks, sub circuit safety metrics, safety goals and safety mechanisms can all be easily reused.

About DfR Solutions

DfR Solutions is the leading provider of quality, reliability, and safety software and services for the electronics industry. We support clients across electronic technology markets including automotive, aviation and aerospace, consumer, industrial, medical, military, solar, telecommunications, as well as throughout the electronic component and material supply chain.



Sherlock is the backbone to one of the most powerful safety and reliability tools to be released for use not just by the reliability group, but by the entire engineering design and management team. Sherlock is the future of Automated Design Analysis™, the integration of design rules, best practices and a return to a physics based understanding of product safety and reliability.

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