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WHICH SOLIDWORKS ELECTRICAL SCHEMATIC PACKAGE IS RIGHT FOR YOU?

SOLIDWORKS ELECTRICAL SCHEMATIC

STANDARD

SOLIDWORKS Electrical Schematic Standard is a single-user schematic design tool that helps rapid development of embedded electrical systems for equipment and other products. Libraries of symbols and manufacturer part information provide common re-usable materials optimize design re-use.

PREMIUM

SOLIDWORKS Electrical Schematic Professional is a suite of collaborative schematic design tools that drive rapid development of embedded electrical systems. Libraries of symbols, manufacturer part information, and 3D component models provide common re-usable materials optimize design re-use..

PRODUCT MATRIX

FEATURES	STANDARD	PRO
SINGLE-LINE SCHEMATICS		
Planning tool for creating complex embedded electrical systems utilizing simple pictorial representations of electrical components	✓	✓
MULTILINE SCHEMATIC		
Schematic creation tool with a simple user interface optimized to help ease repetitive tasks.	✓	✓
MIXED SCHEMATICS		
Combine both single-line and multiline drawings on the same schematic, while keeping them connected.	✓	✓
2D CABINET CREATION		
Generate 2D panel drawings from an electrical schematic, with 2D outlines of electrical components.	✓	✓

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FEATURES	STANDARD	PRO
ELECTRICAL COMPONENT AND SYMBOL LIBRARY		
Extensive library of industry-standard schematic symbols (IEC, ANSI, JIS, GB) combined with a database of manufacturer parts to provide an easily customizable and adaptable parts database through easy-to-use import tools.	✓	✓
DESIGN REUSE		
Suite of integrated tools enables intelligent cut and paste, easy access to a selection of "favorite" components and circuit design elements, and reuse of non-SOLIDWORKS electrical design elements though easy-to-use import wizards.	✓	✓
AUTOMATED TERMINAL DRAWING CREATION		
Automatically generate terminal drawings from real-time design.	✓	✓
AUTOMATED CONTACT CROSS-REFERENCING		
Electrical contacts are automatically cross-referenced in real time and synchronized based on availability and type of contacts from manufacturer-specific components.	✓	✓
ADVANCED FORMULA MANAGER		
Enhanced formula capabilities for custom naming everything from wires to projects	✓	✓
SOLIDWORKS ELECTRICAL CONTENT PORTAL		
Web-based content portal provides access to an extensive library of manufacturer parts.	✓	✓
ENHANCED SOLIDWORKS PDM CONNECTOR		
Enhanced PDM interface provides electrical and mechanical data management in one system based on proven SOLIDWORKS PDM capabilities	✓	✓
REPORT GENERATION		
Automatically generate standard reports based on real-time design database queries.	✓	✓

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Our mission is to empower clients with advanced technologies to innovate and succeed.
Our vision is to be recognized as the leading enabler of innovation by our industry partners.

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FEATURES	STANDARD	PRO
REPORT GENERATION - CUSTOMIZED		
Customize the look and content of your reports. Use the integrated SQL editor to display any data from your designs including writing custom Design Rule Checks.		✓
LINK TO SOLIDWORKS 3D CAD		
SOLIDWORKS Electrical Schematics Professional (with the purchase of SOLIDWORKS Electrical 3D) links the schematic to 3D OLIDWORKS assemblies. This facilitates verification of proper fit of components; planning for the paths and space needs of all wire, cable, and harness routes; and calculation of all wire lengths prior to any assembly		✓
COMMON ECAD AND MCAD DATABASE		
SOLIDWORKS Electrical Schematics Professional is bi-directionally linked with the 3D design (with the purchase of SOLIDWORKS Electrical 3D) which allows multiuser collaboration in real time between ECAD and MCAD engineers. Sharing a common database ensures consistency and facilitates the creation of a single, unified BOM		✓
PLC TOOLS		
The Programmable Logic Controller (PLC) management tools automate many PLC wiring design tasks, along with the ability to import PLC data and labels.		✓
DYNAMIC CONNECTOR TOOLS		
Powerful, easy-to-use connector wizard helps simplify the creation, design, and use of electrical connectors including tracking which pins are used.		✓
REAL-TIME COLLABORATION		
Synchronized, bi-directional environment enables multiple users to work on the same schematics project simultaneously for easier project collaboration.		✓
REAL-TIME SYNCHRONIZATION		
SOLIDWORKS Electrical synchronizes all project design data in real time, bi-directionally in a multi-user collaborative environment between 2D schematics and the 3D model. This synchronization unifies key information (such as Bill of Materials (BOM) and design data) between design disciplines and user		✓

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AUTHORIZED Reseller
2S SOLIDWORKS

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FEATURES	STANDARD	PRO
DEFERRED UPDATE MODE		
Enhances schematic performance by minimizing network traffic and deferring real-time project updates. This technology provides a performance boost for large projects and users who work remotely.		✓
CUSTOM PART LIBRARY CLASSIFICATIONS		
Create new folders with custom titles to tailor the parts library		✓
EXCEL AUTOMATION		
Automate aspects of the schematic creation by using Microsoft Excel.		✓
USER RIGHTS MANAGEMENT		
Enable different levels of access control to various functionality		✓

CONTACT INFORMATION

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