

SOLIDWORKS ELECTRICAL PRODUCT MATRIX

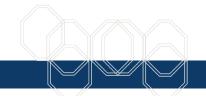
	Schem. Standard	Schem. Pro	Electrical 3D	Electrical Routing
Real-time Synchronization	X	Х	X	
Electrical Component and Symbol Library	X	Х	X	
EXtensive library of industry-standard schematic symbols and a database of manufacturer parts.	X	Х	X*	
Schematic Design Analysis	X	Х	X	
SOLIDWORKS Electrical provides a broad range of real-time and report-based tools for both design and electrical performance validation.	Х	Χ	X	
Report Generation	X	Χ	X	
Automatically generate reports based on real-time design database queries.	Х	Χ	X	
SolidWorks Enterprise PDM Integration	Х	Х	Х	
Integration with SolidWorks Enterprise PDM for automated publishing of schematic data.	Х	Х	X	
Manufacturers Electrical Component Library	Х	Х	X	
Schematic Annotation and Documentation	X	Χ	X	
SOLIDWORKS Electrical provides a powerful, easy-to-use annotation, documentation, and reporting solution that incorporates the power and ease of DraftSight®, seamlessly integrated into the SOLIDWORKS Electrical collaborative design environment, to provide real-time annotation, documentation, and reporting for SOLIDWORKS Electrical projects.	X	X	X	
Single Line Schematic	X	Χ		
Electrical system planning tool utilizes simple pictorial representations of electrical components and interconnectors.	Х	X		
Mixed Schematic	Х	Х		
Combine both single line and multiline drawing on the same schematic while maintaining associativ- ity.	Х	Х		
Design and Reuse	X	Х		
Tools to simplify design and reuse of electrical system data.	Х	Х		
Effortlessly create and maintain contact cross referencing that is automatically synchronized and updated in real time on the schematic drawing.	Χ	Χ		





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Multiline Schematic	X	Χ		
Traditional schematic creation tool with simplified user interface simplifies repetitive tasks.	X	X		
Advanced Formula Manager	X	Х		
From wire naming to project name formulas, SOLIDWORKS Electrical includes enhanced formula capabilities.	Χ	Χ		
2D Cabinet Layout	X	Х		
Automated Contact Cross Referencing	Х	Х		
Mechatronic Design		Х	Х	
SOLIDWORKS Electrical provides a powerful, easy-to-use solution to integrate electronics into electro-mechanical designs. SOLIDWORKS Electrical provides a comprehensive solution for schematically driven embedded electronics, and detailed electrical interconnect seamlessly into mechanical design, within a the perfect environment for compleX mechanic design.		X	X	
Embedded Electrical System Design Planning		Χ	X	
SOLIDWORKS Electrical 3D provides a powerful, easy-to-use planning tool for rapid design of schematically defined embedded electrical systems in the SOLIDWORKS 3D CAD model.		X	X	
Real-time Collaboration		Χ	X	
Dynamic Connector Tools		Χ		
Powerful, easy-to-use connector wizard helps simplify the creation, design, and use of electrical connectors.		Χ		
Automated Terminal Drawing Creation		Χ		
PCB Integration		Х		
PLC Tools		Χ		
Electrical Harness Design Planning		Х	X	X
SOLIDWORKS Electrical 3D™ creates a virtual "design in-place" electrical harness development environment.		Х	X	Х
FleX Cable		Χ	X	X
3D			X	X
Electrical Design in 3D CAD			X	





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SOLIDWORKS Electrical 3D [™] provides easy-to-use CAD-embedded, electrical system design to integrate electrical schematic design data from SOLIDWORKS Electrical into a SOLIDWORKS 3D CAD model.			X	
Electrical 3D Cabinet Layout			X	
Generate 3D cabinet representations from an electrical schematic showing electrical components.			X	
Auto-routing Technology			X	

