

Creo-Schematics

Advanced 2D Schematic Design for Electrical, Cabling, and Piping Systems

Overview

Creo Schematic is PTC's advanced 2D schematic design solution for creating, managing, and documenting electrical wiring, cable & harness, and piping schematics. It enables engineering teams to define system connectivity early, drive downstream design and manufacturing processes, and maintain data consistency across the product lifecycle.

By tightly integrating with **Creo Parametric** and **Windchill**, **Creo Schematics** establishes a 'single source of truth' for logical system definitions, forming a **complete digital thread** from concept through manufacturing and service.

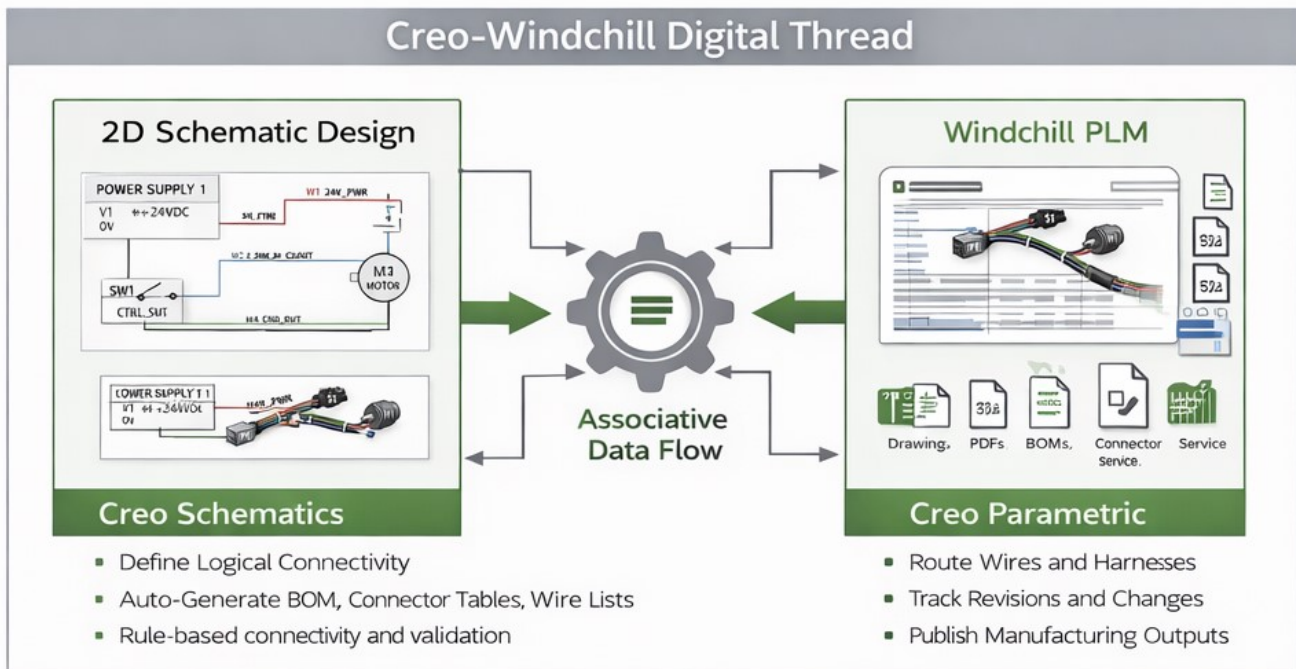
Key Capabilities & Features

Electrical & Cabling Schematics

- Create logical schematics independent of 3D layouts
- Reusable symbols, parts, and templates
- Rule-based connectivity and validation

Seamless Integration with 3D Design

- Drive **Creo Parametric** 3D routed systems & harness designs
- Maintain associativity between 2D schematics and 3D models
- Reduce errors and rework due to manual interpretation



Business & Engineering Benefits

- Faster design cycles and downstream nanhoffs
- Fewer errors and manual steps during routing
- Traceable data across product development stages