

## NEWS RELEASE

# Power Integrations Debuts Support for Planar Magnetics in PI Expert Power Supply Design Tool

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Software automatically generates a planar transformer design with full electrical specification and build documentation in just five minutes

SAN JOSE, Calif.--(BUSINESS WIRE)-- **Power Integrations** (NASDAQ: **POWI**), the leader in high-voltage integrated circuits for energy-efficient power conversion, today launched a new function in **PI Expert™**, the powerful online design tool that automatically generates optimized power supply designs based on users' specifications. PI Expert now features a planar magnetics builder that generates an application-specific planar transformer design complete with printed circuit board (PCB) manufacturer-ready documentation and Gerber files. The latest version of PI Expert now also includes support for Power Integrations' entire InnoSwitch™3 flyback switcher IC family.

Power Integrations Debuts Support for Planar Magnetics in PI Expert Power Supply Design Tool (Photo: Business Wire)

Trevor Hiatt, director of channel marketing at Power Integrations said: "Planar transformers

facilitate low-profile flyback power supplies. With our new planar magnetics builder, designers can incorporate a sophisticated low-profile transformer in minutes. No other design tool can do this."

The magnetics designer function in **PI Expert** provides full planar transformer information including stack specification, vertical and horizontal PCB construction, trace parameters, current density information and layer resistance. The tool automatically incorporates user-specified creepage and clearance distances necessary to meet safety isolation standards. An intuitive GUI provides vertical and horizontal stack construction and a bird's eye view for all layers. The tool also outputs detailed manufacturing information of the planar solution, enabling users to go directly from design to fabrication.

The tool provides a comprehensive database of planar cores and components to simplify design and can also accept custom core geometries. PI Expert automatically optimizes the planar transformer design to match the power supply specification, incorporating additional winding layers and adjusting trace geometries as appropriate.

**PI Expert** leverages decades of PI's combined power supply design expertise and is used by tens of thousands of global engineers annually. For more information, access the tool at [power.com](https://power.com) or watch this [video](#).

## About Power Integrations

**Power Integrations, Inc.** is a leading innovator in semiconductor technologies for high-voltage power conversion. The company's products are key building blocks in the clean-power ecosystem, enabling the generation of renewable energy as well as the efficient transmission and consumption of power in applications ranging from milliwatts to megawatts. For more information, please visit [www.power.com](https://www.power.com).

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