

# Power Integrations' New PI Expert Suite 9.0 Power Supply Design Software Supports LED Lighting

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Improves productivity with enhanced schematics-manipulation tool and BOM output to design-fulfillment distributors

SAN JOSE, Calif.--(BUSINESS WIRE)-- **Power Integrations** (Nasdaq: **POWI**), the leader in high-voltage integrated circuits for energy-efficient power conversion, today announced that the latest version of its popular power supply design software, **PI Expert Suite 9.0**, now includes support for its **LinkSwitch™-PL** and **LinkSwitch-PH** LED-driver ICs and its recently introduced **TinySwitch™-4** off-line switcher IC family. Version 9.0 includes an enhanced schematics-manipulation tool. It also enables designers to upload the resulting BOM from the auto-generated schematic layout to selected, leading design-fulfillment distributors.

New PI Expert Suite 9.0 Power Supply Design Software Supports LED Lighting and BOM Export to Distributors (Photo: Business Wire)

**PI Expert Suite 9.0** improves the productivity of power supply design teams by greatly reducing

the time to first prototype and by slashing the number of prototype iterations required to reach a finished product. The software now includes support for solid-state-lighting products, enabling LED designs to be optimized for CC, dimming and harmonic emissions. As with previous-generations, **PI Expert Suite 9.0** generates a complete schematic of the power supply and offers power transformer optimization techniques, even specifying the transformer design and offering links to wound component manufacturers. A heatsink calculation tool provides the designer with an estimation of the thermal design requirements for a new power supply which may be used to guide layout and mechanical prototyping decisions - avoiding iterations and wasted time. Enhanced PCB layout recommendations based on the IC device and package chosen allow the designer to minimize trace-induced EMI and board area, and also maximize electrical noise immunity and surge tolerance.

Comments Peter Vaughan , director of applications engineering at **Power Integrations**: "LED-lighting engineers face difficult electrical, mechanical and thermal challenges as they continue to develop innovative solid-state-lighting products. **PI Expert** remains the only comprehensive PSU design tool capable of satisfying the demands of both experienced and new power supply designers alike. With support for our **LinkSwitch-PL** and **LinkSwitch-PH** ICs, they can achieve a better, more efficient solution in a shorter time."

**PI Expert Suite 9.0** can be downloaded at [www.powerint.com/pi-expert](http://www.powerint.com/pi-expert). Transformer prototypes resulting from the use of this software may be ordered through **Power Integrations'** Rapid Transformer Sample Service (RTSS); a quick-start guide describing how to create a compatible design file is available at <http://www.powerint.com/rtss>.

\* Power Integrations' design fulfillment distribution partners include Digi-Key and Mouser.

## About Power Integrations

**Power Integrations, Inc.**, is a Silicon Valley-based supplier of high-performance electronic components used in high-voltage power-conversion systems. The company's integrated circuits and diodes enable compact, energy-efficient AC-DC power supplies for a vast range of electronic products including mobile devices, TVs, PCs, appliances, smart utility meters and LED lights. CONCEPT IGBT driver systems enhance the efficiency, reliability and cost of high-power applications such as industrial motor drives, solar and wind energy systems, electric vehicles and high-voltage DC transmission. Since its introduction in 1998, Power Integrations' EcoSmart® energy-efficiency technology has prevented billions of dollars' worth of energy waste and millions of tons of carbon emissions. Reflecting the environmental benefits of the company's products, Power Integrations' stock is included in the NASDAQ® Clean Edge® Green Energy Index, The Cleantech Index®, and the Ardour Global IndexSM. For more information, including design-support tools and resources, please visit [www.powerint.com](http://www.powerint.com); visit Power Integrations' **Green Room** for a comprehensive guide to energy-efficiency standards around the world.

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Photos/Multimedia Gallery Available: <http://www.businesswire.com/multimedia/home/20130319005695/en/>

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