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## New Product Announcement

# Infineon's Arduino-Compatible 24V PROFET Switch Shield Now at Mouser Electronics

**October 27, 2016** – [Mouser Electronics](http://www.mouser.com), Inc., the industry's leading New Product Introduction (NPI) distributor with the widest selection of semiconductors and electronic components, is now stocking the [Protected Switch Shield](#) with PROFET™ 24V for Arduino from [Infineon Technologies](http://www.infineon.com). The Protected Switch Shield is a power switch evaluation board compatible with [Arduino](http://www.arduino.cc) microcontroller boards and with Infineon's [XMC](#)™ microcontroller kits using the [Arduino form factor](#).

The [Infineon Protected Switch Shield](#), available from Mouser Electronics, allows engineers to quickly prototype and evaluate designs using the [PROFET 24V](#) family of protected MOSFETS. The shield is equipped with three protected high-side power MOSFETs — two BTT6030-2EKA and one BTT6020-1EKA — which offer a total of five 24V channels, each with a nominal current of 4A to 5A. PROFET intelligent power switches consist of DMOS power transistor and CMOS logic circuitry for complete built-in protection. The devices offer protection against overload, overvoltage, short-circuit, excessive temperature, loss of ground, power supply loss, and electrostatic discharge (ESD). The PROFET devices are also capable of protecting against dynamic overvoltage such as load dump and inductive load turn-off.

The shield runs off 8 – 36V nominal input voltage and provides a driver circuit with logic level inputs and load diagnosis with current sense capability. The PROFET 24V devices are designed to drive resistive, capacitive, and inductive loads such as [automotive](#) bulbs, valves, and supply switches for [motors](#) using PWM (up to 400 Hz) or DC.

To learn more, visit <http://www.mouser.com/new/Infineon-Technologies/infineon-24v-shield-btt6030-shield/>.

With its broad product line and unsurpassed customer service, Mouser caters to design engineers and buyers by delivering What's Next in advanced technologies. Mouser offers customers 22 global support locations and stocks the world's widest selection of the latest semiconductors and electronic components for the newest design projects. Mouser Electronics' website is updated daily and searches more than 10 million products to locate over 4 million orderable part numbers available for easy online purchase. Mouser.com also houses an industry-first interactive catalog, data sheets, supplier-specific reference designs, application notes, technical design information, and engineering tools.

### **About Mouser Electronics**

Mouser Electronics, a subsidiary of TTI, Inc., is part of Warren Buffett's Berkshire Hathaway family of companies. Mouser is an award-winning, authorized semiconductor and electronic component distributor, focused on the rapid introduction of new products and technologies to electronic design engineers and buyers. Mouser.com features more than 4 million products online from more than 600 manufacturers. Mouser publishes multiple catalogs per year providing designers with up-to-date data on the components now available for the next generation of electronic devices. Mouser ships globally to over 500,000 customers in 170 countries from its 750,000 sq. ft. state-of-the-art facility south of Dallas, Texas. For more information, visit [www.mouser.com](http://www.mouser.com).

### **About Infineon Technologies**

Infineon Technologies is a leading global designer, manufacturer and supplier of a broad range of semiconductors used in various microelectronic applications. Infineon's product portfolio consists of logic products, including digital, mixed-signal, and analog integrated circuits, as well as discrete semiconductor products.

### **Trademarks**

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