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**For Immediate Release**

## **Mouser Electronics and DIOO Microcircuits Sign Global Distribution Agreement**

**August 22, 2016** – [Mouser Electronics](#), Inc. today announced a worldwide distribution agreement with [DIOO Microcircuits](#), a global supplier of high-performance power analog and mixed-signal ICs. DIOO products include a broad range of [power management](#) solutions, switches, amplifiers, and [LED drivers](#) for a wide range of consumer and [industrial](#) applications.

The [DIOO product line](#), available from Mouser Electronics, is led by the DIO5151 LED driver and the DIO6011 step-down regulator. The [DIO5151](#) is a current-regulated charge pump ideal for powering high-brightness LEDs for camera flash applications. The driver features a very low shutdown current and an automatic soft-start mode to limit inrush current, as well as over current, over voltage and over thermal shutdown control. It automatically switches modes between step-up and step-down to ensure that LED current does not depend on the forward voltage. The driver operates on supply voltage ranging from 3V to 5.5V and is ideally suited for applications powered by a single Li-ion battery cell.

The [DIO6011](#) is a high-efficiency, high-frequency synchronous step-down DC-DC regulator that can deliver up to 1A output current. The DIO6011 integrates DIOO's patent circuit to achieve comprehensive soft start for variable fault cases, such as over-temperature recovery, short-circuit recovery, and undervoltage lockout recovery. The regulator integrates low on-resistance ( $R_{ON}$ ) switches to guarantee high heavy-load efficiency, as well as high light load efficiency in burst mode. The DIO6011 has a 6,500V human-body model electrostatic discharge (HBM ESD), exceeding the 2,000V industry average, making it ideal for hot plug applications.

To learn more, visit <http://www.mouser.com/dioo-microcircuits/>.

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 DIOO Microcircuits**

DIOO Microcircuits is a fabless semiconductor design and manufacturing company. The company specializes in high-performance analog and mixed-signal semiconductor solutions, serving the consumer electronics, medical and industrial markets. DIOO's leading-edge products include USB interface products, ultra-low power and low-noise amplifiers, high-efficiency power management ICs, LED lighting ICs, and various application-specific analog audio/video products. With solid system knowledge and rich mixed-signal design expertise, DIOO is committed to delivering innovative analog and mixed-signal solutions that add value to end-customer designs.

### **Trademarks**

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