



US Headquarters  
1000 N. Main Street, Mansfield, TX 76063, USA  
(817) 804-3800 Main  
[www.mouser.com](http://www.mouser.com)

## For Immediate Release

### Mouser Signs Exclusive Global Distribution Agreement with GaN Systems

**September 5, 2014** – [Mouser Electronics](http://www.mouser.com), Inc. today announced that they have signed an exclusive global agreement with GaN Systems to distribute their range of Gallium Nitride high power transistors. GaN Systems' goal is the easy adoption of gallium nitride by designers and systems engineers.

The [GaN Systems product line](#), to be available from Mouser Electronics, features a range of high power, high performance Gallium Nitride transistors. Gallium Nitride is a [wide bandgap](#) semiconductor material with physical characteristics that make them superior to silicon devices for many applications including power conversion systems. Featuring exceptionally low on-resistance and negligible charge storage, these transistors enable switching efficiencies well in excess of the present silicon-based solutions and offer dramatic benefits for switching [power supply designs](#), inverters, [hybrid and electric vehicle inverters](#), battery management and power factor correction.

GaN's Island Technology® is the core of GaN Systems IP, allowing cell layouts for high-current die performance that maximize wafer yields. This reduces the size of the transistor, increasing performance while reducing the cost. GaNPX™ packaging uses no bond wires which results in lower inductance, low thermal resistance, and higher reliability, in a transistor package so small is it not much bigger than the die itself.

Initial products distributed by Mouser Electronics will include the G561008 enhancement mode transistor, a 100V 150°C device capable of handling 80 Amps of continuous current, and an  $R_{DS(ON)}$  as low as 5.6mΩ. The GaN G566508 is a 650V enhancement mode transistor capable of operating at 150°C. It can handle 34 Amps continuous current and boasts an  $R_{DS(ON)}$  of 41mΩ.

The GaN Systems transistor product line target efficient power conversion for consumer appliances, [data center server racks](#), [solar](#), wind and [smart-grid](#), electric and hybrid vehicles, as well as high efficiency power supply applications.

To learn more, visit <http://www.mouser.com/gan-systems/>.

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 20 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 500 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 400,000 customers in 170 countries from its 492,000 sq. ft. state-of-the-art facility south of Dallas, Texas. For more information, visit <http://www.mouser.com>.

### **About GaN Systems**

GaN Systems is a fabless semiconductor company that is the first place systems designers go to realize all the benefits of gallium nitride in their power conversion and control applications. To overcome silicon's limitations in switching speed, temperature, voltage and current, the company develops the most complete range of gallium nitride power transistors for a wide variety of markets. GaN Systems' unique Island Technology® addresses today's challenges of cost, performance, and manufacturability resulting in devices that are smaller and more efficient than other GaN design approaches. The company is headquartered in Ottawa, Canada.

### **Trademarks**

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Further information, contact:  
Kevin Hess, Mouser Electronics  
Vice President Technical Marketing  
(817) 804-3833  
[Kevin.Hess@mouser.com](mailto:Kevin.Hess@mouser.com)

For press inquiries, contact:  
Kelly DeGarmo, Mouser Electronics  
Corporate Communications Manager  
(817) 804-7764  
[Kelly.DeGarmo@mouser.com](mailto:Kelly.DeGarmo@mouser.com)