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## NEWS RELEASE

### **CamSemi delivers star performance with new C2150 controllers**

CamSemi has today announced a new family of Primary Side Sensing (PSS) controllers to help manufacturers comply with the latest star ratings for no-load power consumption in mobile phone chargers but at lower cost.

The C2150 controller family – for applications up to 8 W – enables manufacturers to cut component count and system cost when developing solutions to meet Energy Star 2.0 and European Code of Conduct regulations for operating efficiency. However, compared with CamSemi's C2140 controllers, C2150 can further reduce no-load power consumption to meet the four star requirement of between 30 and 150 mW at less than 5 W. The voluntary star rating system was introduced by the world's top five mobile phone makers in November 2008 to help consumers more easily identify which chargers use the least energy.

In addition, CamSemi's new PSS controllers also deliver the same key design advantages as C2140 including: 'best in class' current and voltage regulation of +/- 5%; easily programmable cable compensation of up to 10%; and switching frequency adjustment enabling one part to be used in multiple designs. The C2151PX2 and C2152PX2 parts are rated at 4 W and 8 W respectively, packaged in SOT23-6 and are in production.

"The C2150 family will allow us to secure further design wins for mobile phone chargers, as well as strengthening our offer for other universal input, portable consumer products such as gaming, digital cameras and MP3 players. These latest controllers also continue our strategy of giving customers greater freedom and flexibility when balancing their design and production requirements. CamSemi's 'one size fits all' approach allows one controller to be used in multiple, low to high-end designs and without manufacturers having to maintain inventory of several parts," said David Baillie, CEO of CamSemi.

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The C2150 family uses the company's innovative PSS technology to completely eliminate the need for optocouplers and all secondary-side feedback circuitry; as well as additional components that designers may need to specify to improve the current regulation from a typical PSS flyback design. All CamSemi controllers are also designed to deliver a much more cost-efficient, energy-saving approach by using low cost bipolar transistors compared with more expensive MOSFETs. Protection features such as over-temperature, input over-voltage and output short-circuit are included as standard to simplify designs and further reduce system costs.

An abbreviated C2150 datasheet is available from [www.camsemi.com/support/datasheets](http://www.camsemi.com/support/datasheets) with more detailed information and support direct from CamSemi or one of the company's distributors.

### **Notes for editors**

#### **About CamSemi**

CamSemi is the emerging leader in power management ICs for optimised energy-efficient off-line power conversion. The company's unique solutions and approach can help manufacturers of mains-powered electronics develop smaller, lighter and more energy-efficient products while also reducing their design timescales and system costs.

The company was founded to bring to market a new generation of sophisticated power management ICs that help manufacturers more easily meet the world's increasing demand to save energy but at acceptable cost. CamSemi's products are based on its portfolio of patented and proprietary technologies including intelligent control architectures and PowerBrane™ ultra high voltage (UHV) process technology. These breakthrough approaches can benefit multiple markets, although initial products are targeted at the switch mode power supply and lighting sectors.

Further information at [www.camsemi.com](http://www.camsemi.com)

#### **Press enquiries**

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