



## Market News

### **First fully integrated SVID and PVID enabled Voltage Regulator with highest efficiency and smallest solution size**

Munich, Germany – 16 January 2018 – Infineon Technologies AG (FSE: IFX / OTCQX: IFNNY) introduces the latest Integrated Point-of-Load (IPOL) family which combines ease of use with high power density. It is the industry's first fully integrated regulator offering PMBUS, SVID and PVID functionality for powering Intel CPU POL rails, chipsets and ASIC/FPGA. With 50 percent space saving compared to alternative external power solutions, this is the smallest solution size of its class.

The IR38163/5 and IR38363/5 are tailored for powering Intel  $V_{ccio}$  and  $V_{cmp}$  rails, and Intel-based [Server applications](#) which require SVID support. The devices do not require pre-programming as they are pre-configured for Intel requirements and addresses.

IR38263/5 offers 3-bit parallel VID (PVID) for powering Intel chipset  $P_{VNN}$  rails and FPGA. It is ideal for [Telecom applications](#) which require constant frequency operation, and NetCom and [Storage applications](#) that require extensive PMBus, accurate  $V_{out}$ , and ultra-low ripple.

This family of IPOL devices takes advantage of the benchmark efficiency of the OptiMOS™ 5. Additionally, the small 5 mm x 7 mm PQFN package with Cu clip allows the devices to operate at up to 30 A, at high frequency with minimal airflow. Pin compatible options are available with and without PMBus support. The family features Infineon's state-of-the-art PWM engine which provides ultra-low ripple and jitter. They minimize noise and increase control bandwidth while requiring fewer capacitors than other design options. True differential voltage sensing, wide margining range and a 0.5 %  $V_{ref}$  accuracy work together to deliver a  $V_{out}$  accuracy greater than 1%.

With the introduction of an end-to-end Enterprise power family, Infineon's full solution includes smart digital controllers and high performance IPOL and Power Stages.

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## Availability

Samples are available now and the devices are in production. More information is available at [www.infineon.com/optimos\\_digital\\_ipol](http://www.infineon.com/optimos_digital_ipol).



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