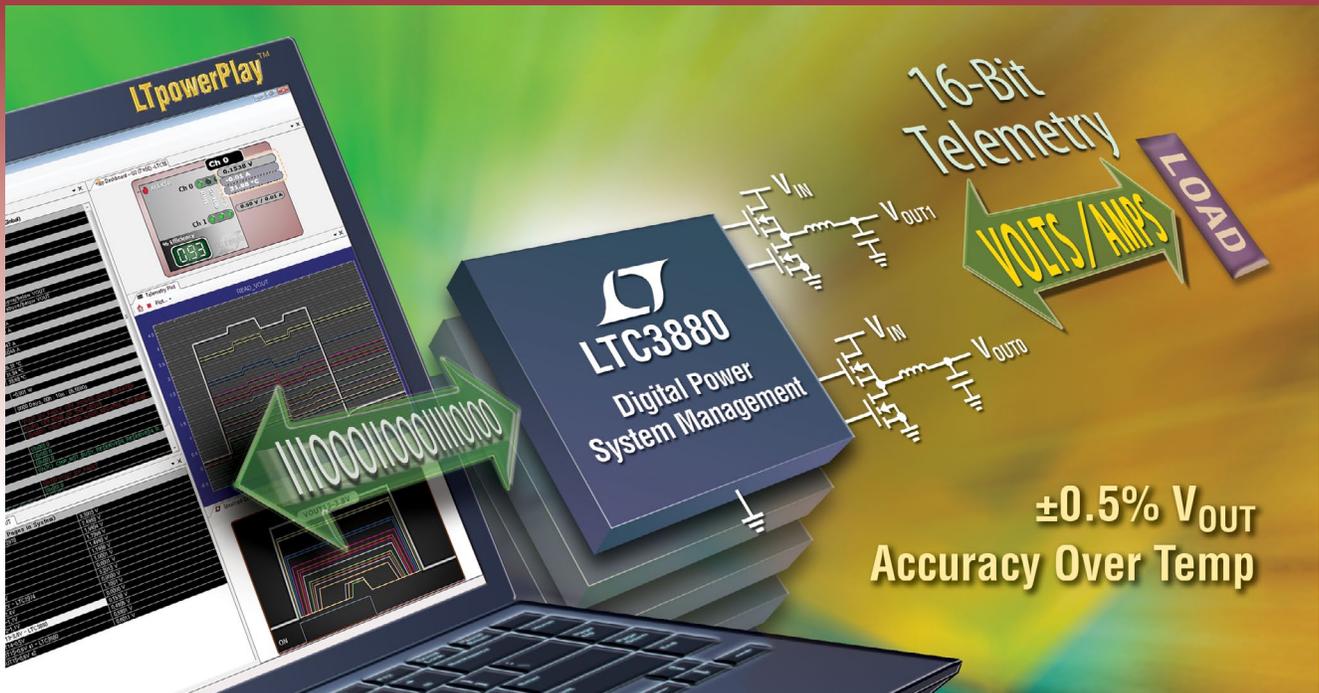


# Digital Power Done Right



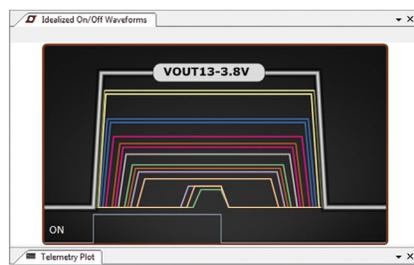
## High Performance Plus Programmability

The LTC<sup>®</sup>3880 is a digital power system manager featuring a dual output synchronous step-down controller that is fully programmable via an I<sup>2</sup>C-based PMBus compliant serial interface using the LTpowerPlay™ software. This device combines best in class analog switching regulator performance with precision mixed signal data conversion and onboard EEPROM. Real time telemetry read-back includes  $V_{IN}$ ,  $I_{IN}$ ,  $V_{OUT}$ ,  $I_{OUT}$  and temperature allowing for smart energy management decisions. Digital control of analog power supplies with a simple PC connection enables designers of multiple rail boards a fast and easy way to do system debug and to make real-time adjustments to supply voltages, sequencing and operating limits.

### ▼ Features

- I<sup>2</sup>C/PMBus Compliant Serial Interface
- High Accuracy Programming and Read-Back
- Integrated Nonvolatile Storage (EEPROM)
- Input Voltage: 4.5V to 24V
- Dual Output Voltages: 0.5V to 5.5V
- Current Mode Control for Easy Compensation and Accurate Current Sharing
- Built-in MOSFET Drivers
- Up to 30A Output per Channel

### LTpowerPlay GUI Sequencing



Free Software Download  
[www.linear.com/LTpowerPlay](http://www.linear.com/LTpowerPlay)

### ▼ Info & Free Samples

[www.linear.com/product/LTC3880](http://www.linear.com/product/LTC3880)

1-800-4-LINEAR



Watch Video  
[video.linear.com/77](http://video.linear.com/77)

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