

Back to Buck Regulators with Digital Power System Management LTC3888-1. Info : RECOMMENDED FOR NEW DESIGNS. LTC3888-1 Dual Loop 8-Phase Step-Down DC/DC Controller with Digital Power System Management The LTC3888/ LTC3888-1 is a PMBus-compliant dual loop 8-phase step-down DC/DC controller with digital power system ???



When paired with the company's AS3729 power stage, the AS3721 provides a complete power management system with high efficiency, flexible board layout, and fast response to processor load transients.



Back to Step-Down (Buck) Regulators Digitally Programmable Regulators. Digitally Programmable Regulators Regulator with Digital Power System Management. LTC3884 LTC3884-1 RECOMMENDED FOR NEW DESIGNS . Dual Output PolyPhase Step-Down Controller with Sub-Milliohm DCR Sensing and Digital Power System Management



??? Embedded systems ??? 12V Input system power management ??? Server, cloud-computing, storage Power management IC - four buck regulators STPMIC06 Data brief DB3086 - Rev 2 -December 2022 16 FAULTn O Digital fault 17 PGOOD O Power good 18 SMBALERT# O Alert. STPMIC06. Pin description. DB3086 - Rev 2 page 2/9

Analog Devices ? 1/4 Module (R) (micromodule) regulators with a PMBus I 2 C serial interface, also called PSM (power system management), enable system designers and remote operators to command and supervise a system's power condition and consumption via a digital bus. The ability to digitally change power supply parameters reduces time-to-market and ???



The LTM4676A is a dual 13A or single 26A step-down uModule (R) (micromodule) DC/DC regulator with 40ms turn-on time. It features remote configurability and telemetry-monitoring of power management parameters over PMBus??? an open standard I 2 C-based digital interface protocol . The LTM4676A is comprised of fast analog control loops, precision mixed-signal circuitry, ???



Back to Buck Regulators with Digital Power System Management LTC7131-1. Info : RECOMMENDED FOR NEW DESIGNS. LTC7131-1 25A Monolithic Synchronous DC/DC Step-Down Converter with PMBus Interface To fully ???

Buck Regulators with Digital Power System Management. Back to Buck Regulators with Digital Power System Management MAX20796. Info: : PRODUCTION. MAX20796 Dual-Phase Scalable Integrated Voltage Regulator with PMBus Interface Show More Smallest, High Efficiency, 60A Fully Integrated Two-Phase Switching Voltage Regulator



Demonstration circuit 2065A is a synchronous buck converter using the LTC3815EUFE, a 6A monolithic buck regulator with power system management. The LTC3815 has the PMBus compliant serial interface and features, such as programmable output voltage margining, temperature monitoring, current and voltage read back, and fault status, etc.



Management LTC7883. Info : RECOMMENDED FOR NEW DESIGNS. LTC7883 LTC7883: Step-Down DC/DC Voltage Mode Controller with Digital Power System Management Data Sheet (Rev.0) 12/07/2021. Show More. Reference Materials 1 . Analog Dialogue 1 . How Monolithic Driver



power supplies Trim, margin, sequence, supervise, and record fault logs Monitor voltage, current, power, energy, and temperature LTpowerPlay Increase power system reliability Optimize board energy consumption Reduce time to market Digital Power System Management uModule Regulators | DC-to-DC ICs | Manager ICs | Sequencers| Supervisors

6A Rated uPOL??? Buck Regulator with Integrated Inductor and Digital Power System Management DATASHEET Features ??? uPOL??? package with output inductor included ??? Small size: 3.3mm x 3.3mm x 1.5mm ??? Continuous 6A load capability ??? Plug and play: no external compensation required ??? Programmable operation using the I2C serial bus

Dual Output PolyPhase Step-Down DC/DC Voltage Mode Controller with Digital Power System Management Show More Info : RECOMMENDED FOR NEW DESIGNS. LTC4449 - Power Monitor, Control, and Protection, LTC3882 - Step-Down (Buck) Regulators 8.96 K. Models for the following parts are available in LTspice: LTC3882. LTC3882-1.



High-efficiency step-down solutions. Our portfolio of high-efficiency DC/DC step-down buck switching regulators and low-dropout (LDO) linear regulators include more than 7,000 individual devices, from buck converters with the flexibility of a controller integrated circuit, to highly integrated buck power modules, to LDO linear regulators designed to filter power-supply noise ???

Power Consumption: Digital control systems typically consume more power compared to analog systems. This increased power consumption can be a concern in power-sensitive applications or those with stringent thermal management requirements, as it may impact overall system efficiency and heat dissipation.



The output voltage is adjustable from 0.5V to 33V and it can supply 50A maximum load current. The demo board has a LTM4678 uModule regulator, which is a dual 25A or single 50A step-down regulator with digital power system management. Please see LTM4678 data sheet for more detailed information.



Analog Devices buck regulators with digital power system management (PSM) provide accurate information about power systems and autonomously control and supervise dozens of voltages with ease. They provide high accuracy programming and telemetry with on-board EEPROM parameters that include voltage and current, sequencing, operating frequency

Dual Output PolyPhase Step-Down DC/DC Controller with Digital Power System Management Download. Print. Download. Print. Step-Down (Buck) Regulators 8.89 KB LTspice LTC3887 -Step-Down (Buck) Regulators, LTC4449 - Power Monitor, Control, and Protection 9.53 KB LTspice LTC3887 Demo Circuit - High Efficiency Dual 500kHz 3.3V/1.8V Step-Down





Dual 13A or Single 26A ? 1/4 Module (Power Module) Regulator with Digital Power System Management Show More alert : Obsolete. Suggested Replacement Parts Parallel uModule Buck Regulators with Power System Management (4.5-16V to 1V @100A) 15.00KB LTspice LTM4676/LTM4630 Demo Circuit - High Current, Parallel uModule Buck Regulators with

Renesas offers a wide portfolio of high-performance buck regulators with integrated FETs. A buck converter, also known as a step-down converter, is a DC/DC power converter that provides voltage step down and current step up. The converter reduces the voltage when the power source has a higher voltage than V out of the regulator. A buck

Buck Regulators with Digital Power System Management1. Both versions have a PMBus interface and digital power system management functions. Resources. PDF. DC2155A-B -Schematic 130.00K. ZIP. DC2155A-B - Design Files 10.00M. PDF. DC2155A - Demo Manual (Rev.C) 3.00M. Show More. Evaluation Kits 3. DC2089A-A.



The LTC3883/-1 is a versatile, single channel, PolyPhase (R) capable, buck controller with digital power system management, high performance analog control loop, on-chip drivers, remote output voltage sensing and inductor temperature sensing. To minimize solution size and cost, the LTC3883/-1 features Linear's patent pending auto-calibration routine to measure the ???

The host could be an IC dedicated to power system control, a general-purpose microcontroller, laptop computer with graphical user interface (GUI), or an ATE (used during the power supply or system testing process). This article examines PMBus, describes how it works, and identifies some of the digital power chips that have embraced the technology.

Back to Buck Regulators with Digital Power System Management LTC7131-1. Info : RECOMMENDED FOR NEW DESIGNS. LTC7131-1 25A Monolithic Synchronous DC/DC Step-Down Converter with PMBus Interface To fully explore the extensive power system management features of the part, download the GUI software LTpowerPlay