



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



## Advanced PMU for CoreLogic LUCY

### FEATURES

- Optimized for CoreLogic LUCY Processors
- Three Step-Down DC/DC Converters
- Four Low-Dropout Linear Regulators
- I<sup>2</sup>C™ Serial Interface
- Advanced Enable/Disable Sequencing Controller
- Minimal External Components
- Tiny 5x5mm TQFN55-32 Package
  - 0.75mm Package Height
  - Pb-Free and RoHS Compliant

### APPLICATIONS

- Personal Navigation Devices
- Portable Media Players
- Tablet Devices
- Smart Phones
- MIDs

### GENERAL DESCRIPTION

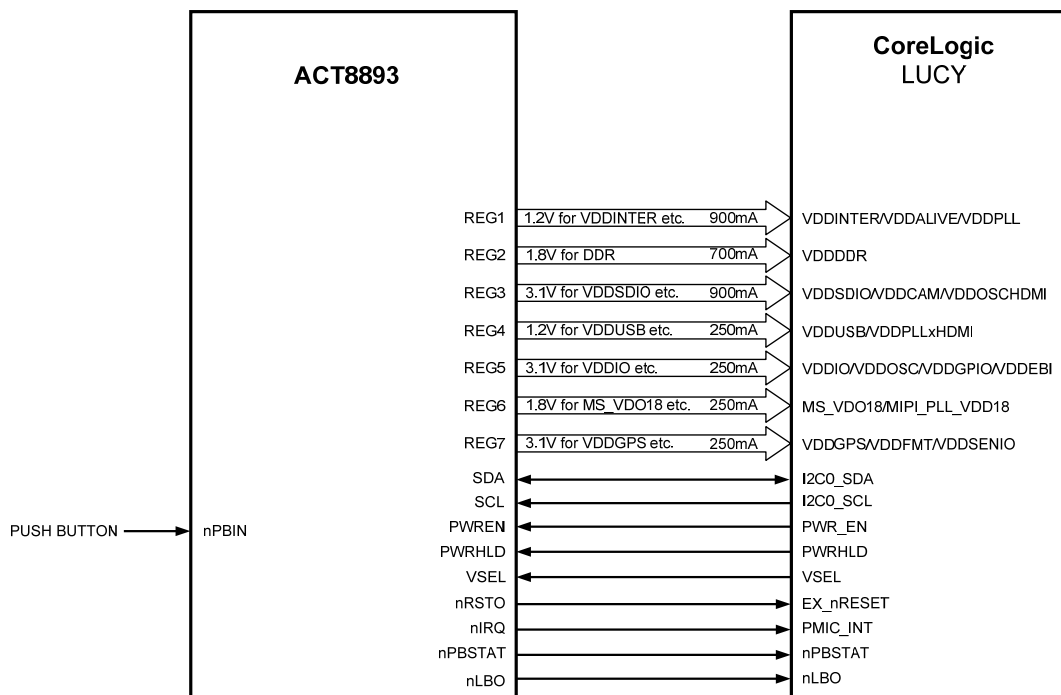
The ACT8893 is a complete, cost effective, highly-efficient *ActivePMU™* power management solution, optimized for the unique power, voltage-sequencing, and control requirements of the CoreLogic LUCY processors.

This device features three step-down DC/DC converters and four low-noise, low-dropout linear regulators.

The three DC/DC converters utilize a high-efficiency, fixed-frequency (2MHz), current-mode PWM control architecture that requires a minimum number of external components. Two DC/DCs are capable of supplying up to 900mA of output current, while the third supports up to 700mA. All four low-dropout linear regulators are high-performance, low-noise, regulators that supply up to 250mA each.

The ACT8893 is available in a compact, Pb-Free and RoHS-compliant TQFN55-32 package.

### TYPICAL APPLICATION DIAGRAM



**PRODUCT OPTIONS**

Block	Function	Output Voltage	Capability
REG1	Step-Down DC/DC	Adjustable, or 0.6V to 3.9V	900mA
REG2	Step-Down DC/DC		700mA
REG3	Step-Down DC/DC		900mA
REG4	LDO	0.6V to 3.9V	250mA
REG5	LDO		250mA
REG6	LDO		250mA
REG7	LDO		250mA

**FUNCTIONAL BLOCK DIAGRAM**

