



Newsletter 02/2009

Dear Customer,

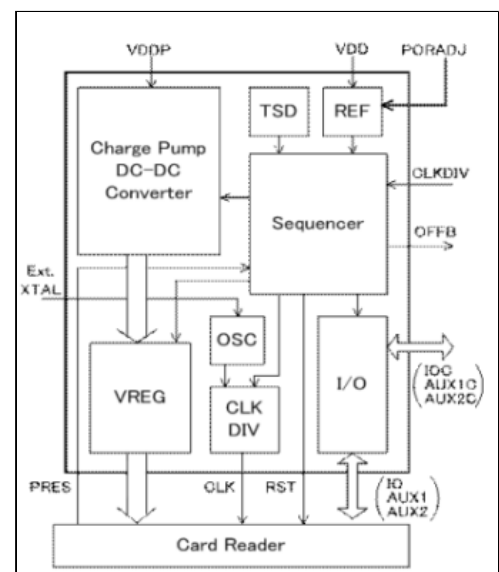
welcome to the February 2009 issue of Rohm's Email Newsletter. If you want to change your contact details or if you do not want to receive the Newsletter anymore please use the link at the end of this page.

Rohm CAS Card Interface IC BD8919F

ROHM card interfaces ICs were designed to provide signal level adjustment between ISO7816-3-compatible CAS (i.e. B-CAS) cards and smart cards and card controllers as well as act as a card power supply. Multiple protection circuits (i.e. thermal shutdown, overcurrent protection, and low voltage malfunction prevention), combined with 6kV (HBM) ESD resistance at the card connector terminal, ensure a greater level of safety and reliability.

A new model with built-in LDO regulator, the BD8919F, joins our current line-up of products that integrate a DC/DC converter. Select the optimum solution to fit set requirements.

- * Built-in regulator eliminates the need for noise countermeasures
- * Fewer parts required, combined with the compact SOP16 package, contribute to smaller sets
- * Pin layout optimized based on card connector pin configuration, simplifying design
- * Short protection for all card connector pins
- * Overcurrent protection for card power supplies
- * Single system card interface signal line
- * Greater than 6kV (HBM) ESD resistance



[More Information on www.rohmeurope.com](http://www.rohmeurope.com)

ROHM H-Bridge Driver Ics

This new series of ECOMOS products were developed to meet the trend of decreasing power supply voltage in current and next-generation products. Advanced proprietary processing was utilized, resulting in remarkably low 1.2V drive (VGS) and 90% lower ON-resistance than conventional 2.5V products, reducing energy consumption significantly.

Features

- * Three operating voltage classes (7 V, 18 V and 36 V)
- * Three current ratings at each voltage 0.5 A, 1.0 A and 2.0 A
- * BiCMOS topology minimizes parts count and power consumption.
- * Pin-compatible packaging speeds design and optimizes power
- * Two-channel versions with symmetrical pin-outs simplify manufacturing.
- * Drop-in replacements for ROHM's legacy line of bipolar transistor output driver ICs.



[Please download WHITE PAPER from our internet page!](#)

[More Information on www.rohmeurope.com](http://www.rohmeurope.com)

ROHM Hall Ics

The demands for extended battery operation, greater reliability and increased features are driving the designs of mobile phones, notebook computers, video cameras, navigation systems and game controllers to use smaller, higher performance components.

These high performance devices are the ideal choice for a range of switch applications.

- * Portable phone or PDA in or out of its carrying case
- * Side-open or closed on cell phone or camera
- * Flip phone or laptop cover open closed
- * Cell phone or tablet PC screen
- * Track wheel position on MP3 players, toys and games



[Please download WHITE PAPER from our internet page!](#)

[More Information on www.rohmeurope.com](http://www.rohmeurope.com)

Current Mode Step-Down Regulators

The BD91x Series step-down switching regulators combine ROHM's propriety SLLM™ (Simple Light Load Mode) technology with current-mode PWM control to provide exceptional regulation and high efficiency at both low- and high-current load conditions.


Features

- * Single and dual channel outputs
- * Output current ratings up to 4.0A
- * Fixed and variable output voltage (set by resistor selection)
- * Output voltage accuracy of $\pm 1.5 / \pm 2.0\%$
- * BiCMOS topology minimizes parts count and power consumption



- * Current sense / feedback loop for fast response to load changes
- * Small wafer-level packages and small form factor packages optimize pc-board utilization

Please download WHITE PAPER from our internet page!

 More Information on www.rohmeurope.com

If you want to change the options for your ROHM-Newsletter or if you want to unsubscribe please click [here](#).