Lithium battery single chip

A fully integrated cost-effective and low-power single chip Lithium-Ion (Li-Ion) battery protection ...

The AP9214L is a single chip, single cell solution that provides all the protection a Lithium cell needs, in a small outline package. The AP9214L brings together intelligent battery protection functionality with dual N-channel ultra-low R SS(on) MOSFETs with common drain (see Figure 1 for a functional block diagram of the AP9214L).

Diodes ? AP9234L ????????????????????? N ????? R SS (ON) MOSFET? ???????????,??????/??????????/???????????? ???????????,???????????? ??????????? MOSFET R SS (ON) ??,?????????????????????/???????? ?? U ...

Minimize current draw from the main car battery in standby mode with low quiescent input current of 2 uA; Support different automotive applications using a single, automotive qualified charger with customizable battery chemistries, charge voltage and charge current

The LPB1003 product is a highly integrated solution for Li-Ion battery protection. It includes ...

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MCP73837/8 AC/USB Dual-Input Battery Charger Evaluation Board: MCP73871 Evaluation Board: MCP73113 OVP Single-Cell Li-Ion Battery Charger Evaluation Board: MCP73X23 OVP Lithium Iron Phosphate Battery Charger Evaluation Board: MCP73213 OVP Dual-Cell Li-Ion Battery Charger Evaluation Board

In this study, the current sampling method and the highly integrated switch proposed are successfully integrated into a prototype single lithium battery management chip, which was designed by the authors and fabricated with 0.18 um 5 V technology. Fig. 13 demonstrates the die microphotograph of the chip. The proposed switch occupies 0.2829 mm

The AP9221 is a single package protection solution specially designed for single cell Li+ ...

A fully integrated cost-effective and low-power single chip Lithium-Ion (Li-Ion) battery protection IC (BPIC) for portable devices is presented. The control unit of the battery protection system and the MOSFET switches are integrated in a single package to protect the battery from over-charge, over-discharge, and over-current. The proposed BPIC ...

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Using the proposed adaptive substrate selecting (ASS) technology, the same protection function of the traditional battery management chip is realized, which greatly saves the area cost of the chip. Based on the 0.18 um 5 V process, the circuit and the switch have been integrated into a single lithium battery management chip. The measurements ...

A fully integrated cost-effective and low-power single chip Lithium-Ion (Li-Ion) battery protection IC (BPIC) is proposed for portable devices. The control unit of the battery protection system and the MOSFET switches are integrated in a single package to prevent overcharge, overdischarge, and overcurrent of the Li-Ion battery. The BPIC ...

NXP"s MC34673 is a single input autonomous battery charger IC capable of delivering up to 1.2 A of charge current to a single-cell Li-Ion /Li-polymer batteries Products Applications Design Center Support Company Store. Language . Orders. Sign In. ...

The AP9221 is a single package protection solution specially designed for single cell Li+ rechargeable batteries in portable and wearable equipment. It provides rich battery protection features: overcharge voltage/current, overdischarge voltage/current, and load short circuit. AP9221 has a built-in fixed delay time to minimize false

A fully integrated cost-effective and lowpower single chip Lithium-Ion (Li-Ion) battery protection IC (BPIC) for portable devices is presented.

The paper presents a Li-ion Battery protect chip and the system combined with the actual ...

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