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ACT85411 PMIC with Integrated Power Loss Protection

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SSDs and many other applications need an efficient and compact power management solution.

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The ACT85411 is a highly integrated power management IC with built-in power loss protection

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and five voltage rails making it ideal for space-constrained designs.

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The ACT85411's PLP function features as a programmable storage capacitor voltage that operates up to 31 volts

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to maximize energy storage to extend the system runtime in the event of an input power failure.

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The internal ADC and health monitoring improve system reliability and provide early capacitor failure notification.

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With a wide input voltage range of 2.7 to 14.8 volts, it provides

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two 10 amp buck regulators, a 1 amp buck boost regulator, a 400 milliamp buck regulator and 200 milliamp LDO.

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This state-of-the-art PMIC provides hot swap and inrush current control.

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It also offers I2C monitoring and control, programmable power sequencing and nine configurable GPIOs.



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It's housed in a compact 6x6 mm 52 pin QFN package and requires minimal external components.

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