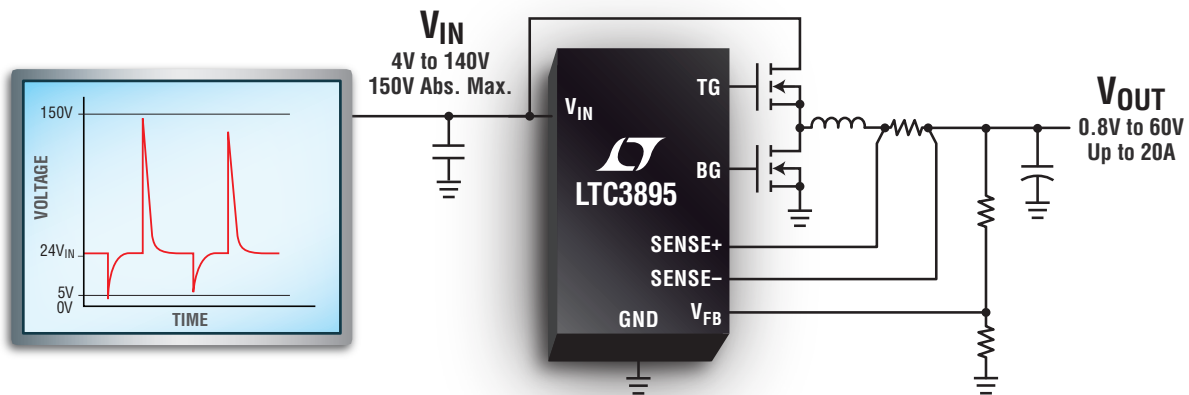


150V Low I_Q Sync Buck Controller



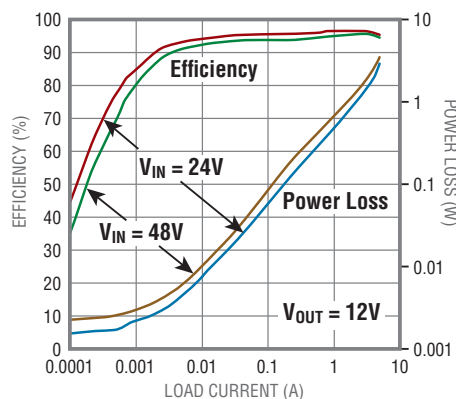
40 μ A I_Q, 5V to 10V Gate Drive & 100% Duty Cycle Capable

The LTC[®]3895 synchronous step-down controller brings a new level of performance and simplicity to high input voltage step-down conversion for inputs up to 150V. It eliminates the need for the bulky and costly external surge protectors used in many 80V to 100V telecom, industrial and automotive designs. The LTC3895's 5V to 10V adjustable gate drive enables the optimal use of logic-level or standard-level N-channel MOSFETs, providing greater design flexibility. Operating efficiencies in the 90% plus range over a broad current range eases thermal design, while its 40 μ A no-load quiescent current extends the operating run time in battery-powered systems.

Features

- Wide V_{IN} Range: 4V to 140V (150V Abs. Max.)
- Wide V_{OUT} Range: 0.8V to 60V
- Adjustable Gate Drive: 5V to 10V
- Low Quiescent Current: 40 μ A
- 100% Duty Cycle Capable
- EXT_{VCC} Powers Gate Drivers from V_{OUT}
- 38-Lead TSSOP with High Voltage Pin Spacings

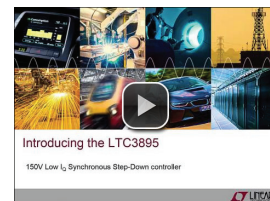
Efficiency & Power Loss vs Load Current



Info & Free Samples

www.linear.com/product/3895

1-800-4-LINEAR



video.linear.com/xxxx

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