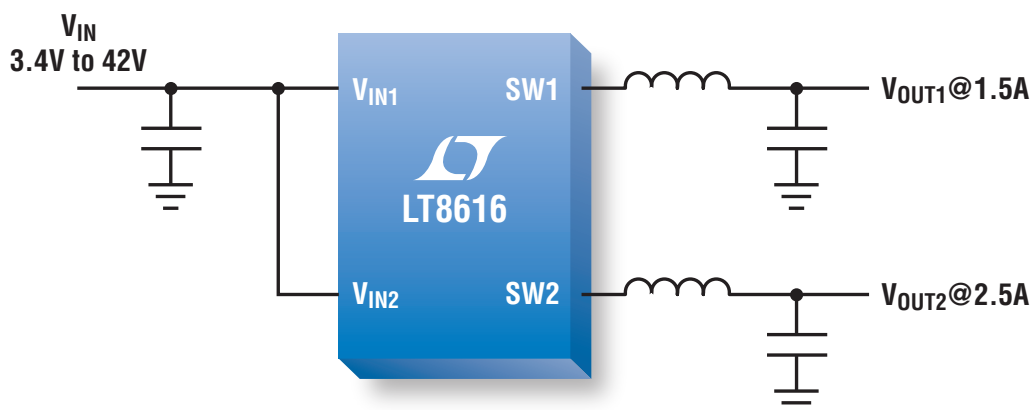


DUAL 42V, 2MHz Sync Buck



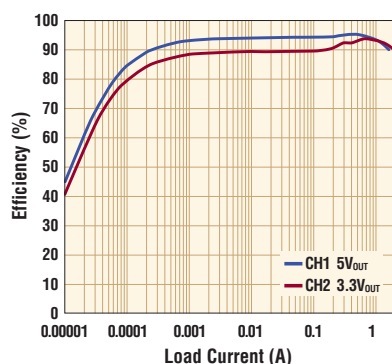
96% Efficient, 2.5A and 1.5A Outputs, 6.5 μ A I_Q

The LT[®]8616 brings a new level of performance for 42V input monolithic synchronous buck converters by incorporating dual outputs in a FMEA compliant 28-pin package. Channel 1 is capable of delivering 1.5A of continuous output current, while channel 2 can deliver 2.5A, both with outputs as low as 0.8V. Each channel operates 180° out of phase to further reduce input ripple. Burst Mode[®] operation requires only 6.5 μ A of quiescent current (both channels on), thereby extending battery life in battery-powered systems. For high step-down ratio applications, the LT8616 bucks from 16V down to 1.5V at a switching frequency of 2MHz, enabling a compact solution footprint.

Features

- Input Voltage Range: 3.4V to 42V
- Dual Outputs: 2.5A and 1.5A
- Ultralow Quiescent Current: 6.5 μ A (Both Channels On)
- Low Output Ripple: < 10mV_{P-P}
- Adjustable/Synchronizable Frequency: 200kHz to 3MHz
- High Step-Down Ratios: 16V to 1.5V@2MHz
- 28-Lead 3mm x 6mm QFN and FMEA Compliant TSSOP-28E Packages

Efficiency with
12V_{IN} to 5V_{OUT} and 3.3V_{OUT}



Info & Free Samples

www.linear.com/product/LT8616

www.linear.com/LT86XX

1-800-4-LINEAR

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