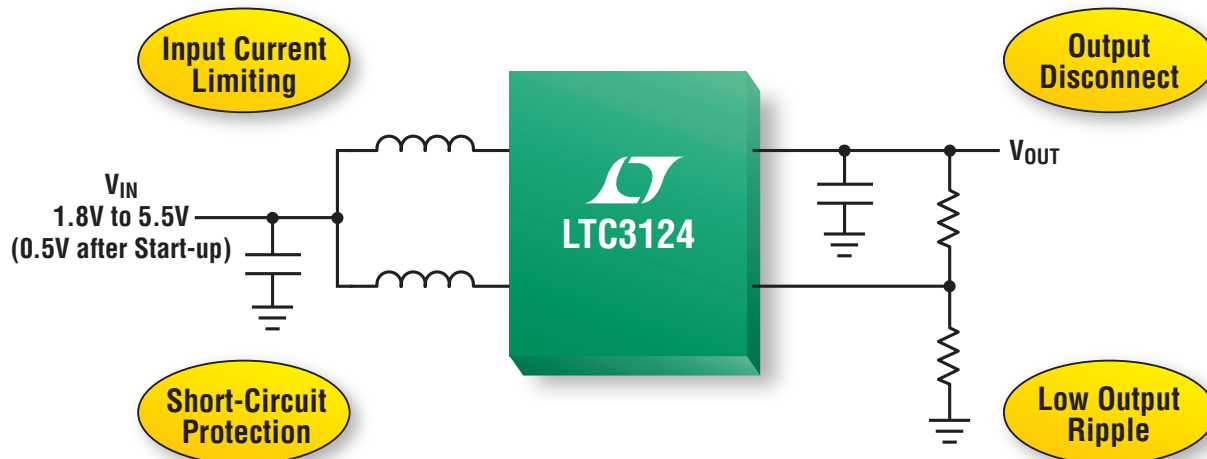


2MHz, 18W Boost

Up to 15V_{OUT} from V_{IN} as Low as 1.8V



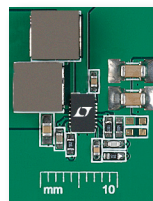
$I_Q = 25\mu\text{A}$, Synchronous, <1W Max Power Loss

The LTC[®]3124 is a dual-phase synchronous boost converter with true output disconnect and inrush current limiting. Its dual-phase current limit, coupled with its ability to program output voltages up to 15V, make it ideal for a wide range of applications including power amplifiers, piezo actuators, small DC motors and powering 12V analog rails from batteries. Features such as short-circuit protection and low quiescent current ensure reliable and efficient operation.

▼ Features

- Input Voltage Range: 1.8V (500mV after Start-up) to 5.5V
- Output Voltage Range: 2.5V to 15V
- 5A Switch Current
- 1.5A Output from 5V_{IN} to 12V_{OUT}
- Quiescent Current at No Load: 25 μ A
- 2-Phase Operation Reduces Output Ripple
- Output Disconnects from Input During Shutdown
- 3mm x 5mm DFN and TSSOP Packages

2-Phase Synchronous Step-Up DC/DC Converter



Actual Size

▼ Info & Free Samples

www.linear.com/product/LTC3124

1-800-4-LINEAR

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