



DC1124A

LT3591EDDB Demo Board | Boost LED Driver, $3V \leq V_{IN} \leq 9V$,
 $V_{OUT} = 40V @ 20mA$

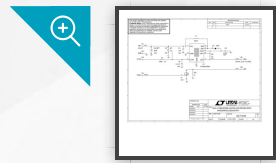
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Overview

Product Details

Applicable Parts

- LT3591

Demonstration circuit 1124 is an LED Driver with Integrated Schottky featuring the LT3591. The LT3591 is a fixed frequency step-up current mode DC/DC converter that drives up to ten white LEDs in series at 20mA. The input voltage range of the demo board is from 3V to 9V. 42V (typical) LED open circuit protection is provided.

The high side current sensing feature of the LT3591 allows “one wire” current source, i.e. the low side of the LED string can return to ground anywhere.

Documentation

Design & Integration Files

[DC1124A - Design File](#)

ZIP

908.00K

Demo Board Schematic

[DC1124A - Schematic](#)

PDF

27.00K

Evaluation Kit Manuals

[DC1124A - Demo Manual](#)

PDF

173.00K

Software

LTspice

[LT3591 Demo Circuit - White LED Driver
\(3.6V to 10x 3.6V LEDs @ 20mA\)](#)

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