

Power Management

Home > Products > Power Management > Power Management Evaluation Kits > DC1091

+ MyLinear

- > Switching Regulator
- > Linear Regulators (LDO)
- > μ Module Regulators
- > PMIC& Multifunction
- > Inductorless DC/DC Converters
- > LEDDriver ICs
- > Battery Management
- > Power Control
- > Current Sources
- > Hot Swap IC
- > Power-Over-Ethernet (PoE) Interface Controllers
- > System Supervisor, Monitor and Control
- > Power Management Evaluation Kits

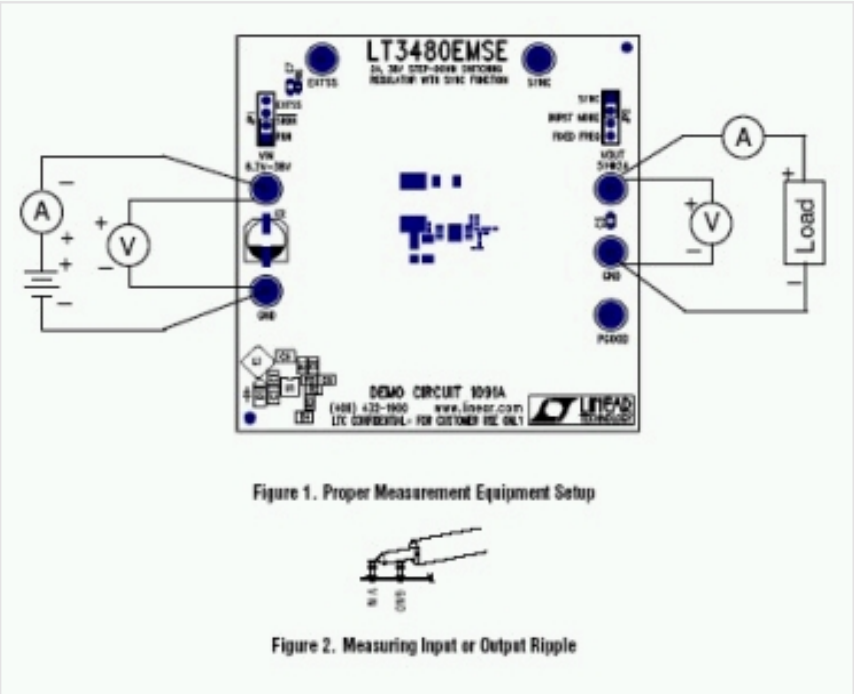
DC1091 - LT3480EMSE Evaluation Kit

- FEATURES
- DESCRIPTION
- PACKAGING
- ORDER INFO
- SIMULATE
-

FEATURES

LT3480EMSE Evaluation Kit
Disclaimer: Linear Technology cannot assume responsibility for use of any circuitry other than circuitry entirely embodied in a Linear Technology product. No circuit patent licenses are implied. LinearTechnology reserves the right to change the circuitry and specifications without notice at any time.

TYPICAL APPLICATION



[BACK TO TOP](#)

DESCRIPTION

Demonstration circuit 1091 is a monolithic stepdown DC/DCswitching regulator featuring the LT3480. The operating frequency can be synchronized up to 2 M H z. The demo board is designed for 5V output from a 6.3V to 38V input with transients up to 60V. The wide input range of the LT3480 allow s a variety of input sources. The typical sources are automotive batteries, wall adaptors and industrial supplies. The modes of operation (Burst M ode and fixed frequency) are jumper selectable. The Burst M ode operation increases the efficiency at light loads while fixed frequency mode maintains a constantswitching frequency regardless of the load current.The current mode controlscheme creates fast transient response and good loop stability. The gate driveof the internal switch is boosted to a voltage that is higher than the Vin toensure saturation of the switch. The LT3480's

[BACK TO TOP](#)

PACKAGING

[BACK TO TOP](#)

ORDER INFO

- Part numbers ending in PBF are [lead free](#). Please contact LTC marketing for information on lead based finish parts.
- Part numbers containing TR or TRM are shipped [itape and reel or 500 unit mini tape and reel](#) respectively
- Please refer to our [general ordering information](#) or the product datasheet for more details

Evaluation Kits

Part Number	Description	Price
DC1091A	LT3480EMSE Demo Boar	\$125.00
Buy Now		

[BACK TO TOP](#)

APPLICATIONS

[BACK TO TOP](#)

SIMULATE

To simulate selected Linear Technology products, please download [LTSpice / SwitcherCAD III](#) This powerful schematic capture and simulation tool includes macro models for 80% of Linear Technology's switching regulators, over 200 op amp models, as well as resistors, transistors and MOSFET models.

For other simulation tools, visit our[Design Simulation and DeviceModels](#) page.

[BACK TO TOP](#)