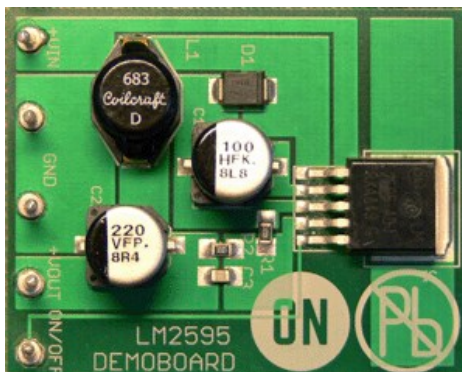




# LM2595ADPBCKGEVB: Step-Down Switching Regulator Evaluation Board

The LM2595 regulator is circuit ideally suited for easy and convenient design of a step-down switching regulator (buck converter). It is capable of driving a 1 A load with excellent line and load regulation. This device is available in adjustable output version and it is internally compensated to minimize the number of external components to simplify the power supply design. Demoboard size: 55mm x 35mm



## Features and Applications

### Features

- Adjustable Output Voltage Range 1.23 V 37 V
- Guaranteed 1 A Output Load Current
- Wide Input Voltage Range up to 40 V
- 150 kHz Fixed Frequency Internal Oscillator
- TTL Shutdown Capability
- Low Power Standby Mode, typ 50  $\mu$ A
- Thermal Shutdown and Current Limit Protection
- Internal Loop Compensation
- Moisture Sensitivity Level (MSL) Equals
- Pb-Free Packages are Available

### Applications

- Simple High-Efficiency Step-Down (Buck) Regulator
- Efficient Pre-Regulator for Linear Regulators
- On-Card Switching Regulators
- Positive to Negative Converter (Buck-Boost)
- Negative Step-Up Converters
- Power Supply for Battery Chargers

## Evaluation/Development Tool Information

Product	Status	Compliance	Short Description	Parts Used	Action
LM2595ADPBCKGEVB	Active	Pb-free	Step-Down Switching Regulator Evaluation Board	LM2595DSADJG	<a href="#">» Contact Local Sales Office</a> <a href="#">» Inventory</a>

## Technical Documents

Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	LM2595ADPBCKGEVB Bill of Materials ROHS compliant	LM2595ADPBCKGEVB_BOM_ROHS.PDF - 44.0 KB	0
Eval Board: Gerber	LM2595ADPBCKGEVB Gerber Layout Files (Zip Format)	LM2595ADPBCKGEVB_GERBER.ZIP - 17.0 KB	0
Eval Board: Schematic	LM2595ADPBCKGEVB Schematic	LM2595ADPBCKGEVB_SCHEMATIC.PDF - 23.0 KB	1
Eval Board: Test Procedure	LM2595ADPBCKGEVB Test Procedure	LM2595ADPBCKGEVB_TEST_PROCEDURE.PDF - 398.0 KB	0

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