



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





LM2596ADPBCKGEVB: Step-Down Switching Regulator Evaluation Board

Evaluation/Development Tool Description

The LM2596 regulator is circuit ideally suited for easy and convenient design of a step-down switching regulator (buck converter). It is capable of driving a 3.0 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: 50mm x 43mm



Features and Applications

Features

- Adjustable Output Voltage Range 1.23 V 37 V
- Guaranteed 3.0 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 80 μ A
- Thermal Shutdown and Current Limit Protection
- Internal Loop Compensation
- Moisture Sensitivity Level (MSL) Equals 1

Applications

- Simple HighEfficiency StepDown (Buck) Regulator
- Efficient PreRegulator for Linear Regulators
- OnCard Switching Regulators
- Positive to Negative Converter (BuckBoost)
- Negative StepUp Converters
- Power Supply for Battery Chargers

Evaluation/Development Tool Information

Product	Status	Compliance	Short Description	Parts Used	Action
LM2596ADPBCKGEVB	Active	Pb-free	Step-Down Switching Regulator Evaluation Board	LM2596TADJG	» Contact Local Sales Office » Inventory

Technical Documents

Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	LM2596ADPBCKGEVB Bill of Materials ROHS Compliant	LM2596ADPBCKGEVB_BOM_ROHS.PDF - 110.0 KB	0
Eval Board: Gerber	LM2596ADPBCKGEVB Gerber Layout Files (Zip Format)	LM2596ADPBCKGEVB_GERBER.ZIP - 24.0 KB	0
Eval Board: Schematic	LM2596ADPBCKGEVB Schematic	LM2596ADPBCKGEVB_SCHEMATIC.PDF - 140.0 KB	1
Eval Board: Test Procedure	LM2596ADPBCKGEVB Test Procedure	LM2596ADPBCKGEVB_TEST_PROCEDURE.PDF - 82.0 KB	0

