



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!



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Test Procedure for the LV58063MCGEV B Evaluation Board

The following steps detail the basic test procedure for all these boards:

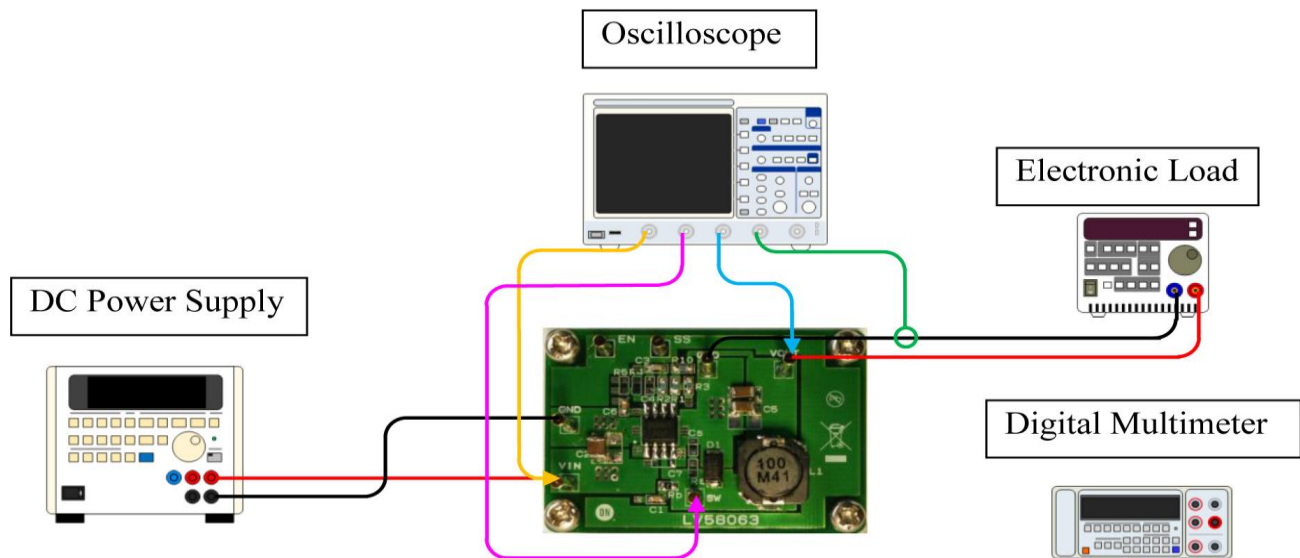
Necessary Equipment:

DC Power Supply (e.g. ADVANTEST R6243 DC Voltage Current Source/Monitor) : 1pc

Electronic Load (e.g. FUJITSU ACCESS LIMITED Electric Load EUL-150αXL) : 1pc

Oscilloscope (e.g. LeCroy WaveJet) : 1pc

Digital Multimeter (able to measure up to 30V and 5A) : 1pc or more



Test Procedure:

1. Setup of the TEST:
Connect the test setup as shown in Figure 1
2. VOUT Check1:
Apply an input voltage, $V_{IN} = 12-24 \text{ Vdc}$
Apply $I_{OUT} (\text{load}) = 0 \text{ A}$ (CR MODE)
Check that $V_{OUT} = 3.3\text{V} \pm 5\% \text{ Vdc}$ (under desired operating condition)
3. VOUT Check2:
Apply an input voltage, $V_{IN} = 24 \text{ Vdc}$
Apply $I_{OUT} (\text{load}) = 0-3 \text{ A}$ (CR MODE)
Check that $V_{OUT} = 3.3\text{V} \pm 5\% \text{ Vdc}$ (under desired operating condition)
4. Current limit Check:
Apply $I_{OUT} (\text{load}) = 3.5 \text{ A}$ or more (CR MODE)
Check that $V_{OUT} = 2\text{Vdc}$ and under (about 1V)
5. EN Check:
Apply an input voltage, $V_{IN} = 24\text{Vdc}$, $I_{OUT} (\text{Load}) = 1\text{A}$,
Connect EN Pin to GND.
Check that $V_{OUT} = 0\text{Vdc}$
Check that $I_{IN} = 0.1\text{mA}$ and under
6. End of the TEST:
Turn off the load, Turn off V_{IN}