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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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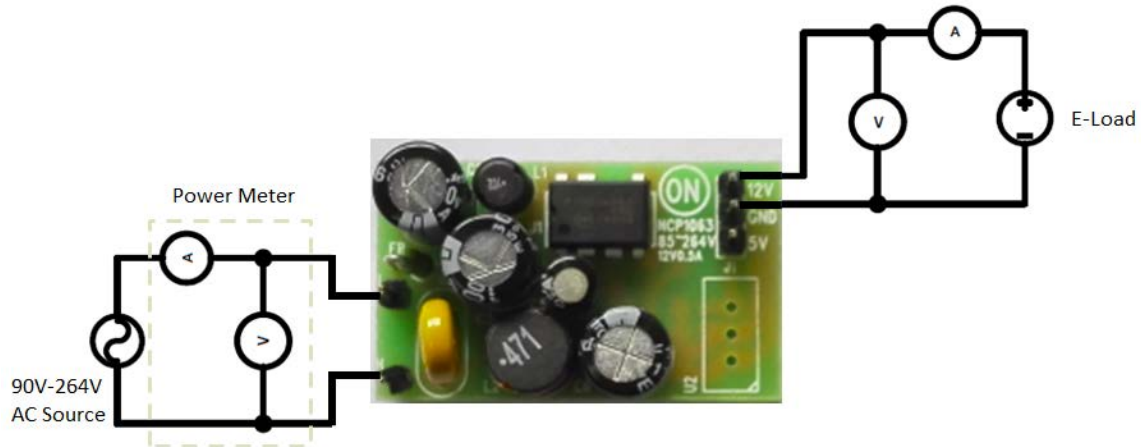
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# Test Procedure for the NCP1063BUCKGEVB Evaluation Board

## Necessary Equipment:

- 1 Current limited 90 ~ 264Vrms AC source (current limited to avoid board destruction in case of a defective part) (e.g. KIKUSUI PCR500M)
- 1 Power Meter (e.g. YOKOGAWA WT210)
- 1 DC Volt-Meter able to measure up to 50V DC. (e.g. Agilent 34401A)
- 1 DC Amp-Meter able to measure up to 5A DC. (e.g. Agilent 34401A)
- 1 DC Electronic Load 0 - 60A (e.g. Chroma 6312A with 63115A Module )



**Figure 1: Test Setup for Buck Converter**

## Test Procedure (Buck convertor):

1. Connect the test setup as shown in Figure 1.
2. Apply an input voltage,  $U_{in} = 90 - 264V_{ac}$
3. Apply  $I_{out}(load) = 0A$
4. Check that  $U_{out}$  is no higher than 15V
5. Increase  $I_{out}(load)$  load to: 350 mA
6. Check that  $V_{out}$  is 12V
7. Power down the load
8. Power down  $V_{in}$
9. End of test