



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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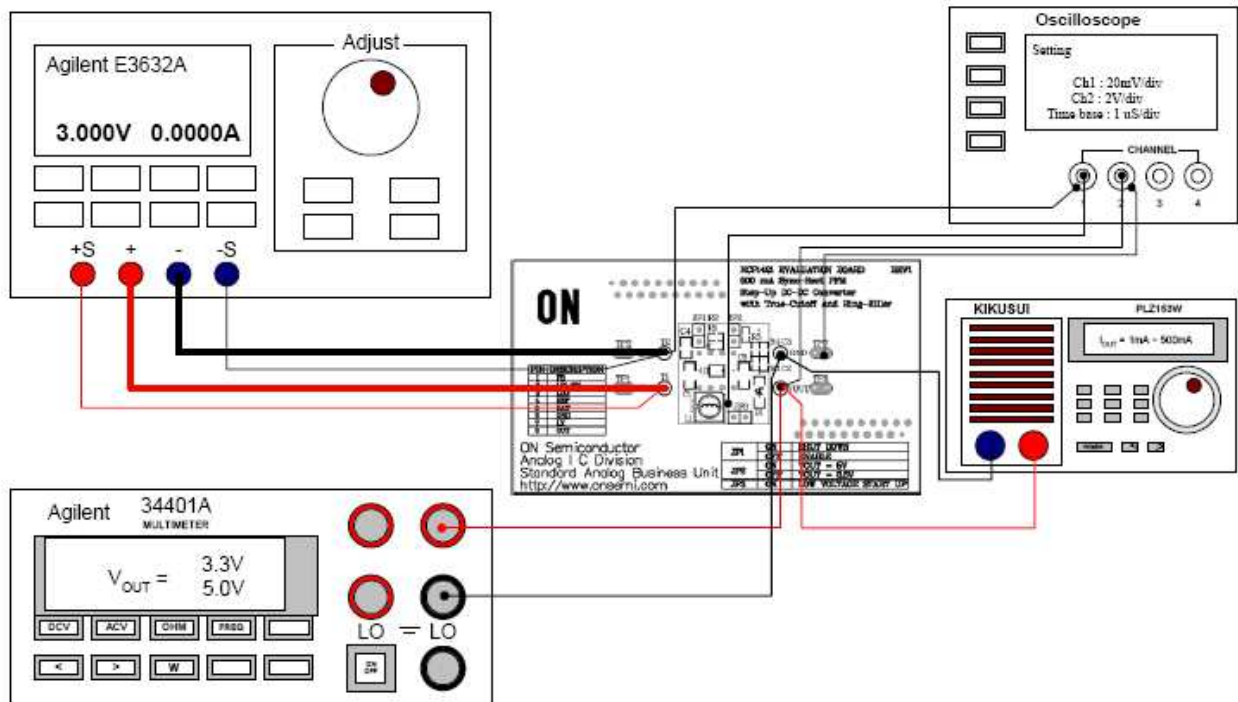
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Test Procedure for the NCP1422GEVB Evaluation Board



1. Connect the test setup as shown above.
2. **TURN OFF the JP**; (enable the device).
3. Set the Power Supply to 3.0V and apply to TP1, TP2, (T1, T2).
4. Apply 500mA loading form the electric load.
5. Check the input current (I_{IN}), output voltage (V_{OUT}) and output ripple;
 - For $V_{OUT} = 3.3V$; **JP2 OFF**
 $I_{IN} = 590.7mA \sim 608.7mA$
 $V_{OUT} = 3.267 \sim 3.367V$
 $V_{RIPPLE} \leq 35mV$
 - For $V_{OUT} = 5V$; **JP2 ON**
 $I_{IN} = 931.07mA \sim 957.4mA$
 $V_{OUT} = 4.859 \sim 5.0075V$
 $V_{RIPPLE} \leq 40mV$
6. Check the switching waveform at scope CH1 to see whether it is a normal continuous conduction mode switching node waveform and switching ON time (T_{ON}) is between $0.46 \mu s \sim 1.15 \mu s$