



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



Test Procedure for the NCP5603 Evaluation Board

ON Semiconductor®



10.5.2004

TEST CONDITIONS

Note: the demo board can operate with either an external power supply, or with two dry cell 1.5V, AA type, and battery. The mechanical switch S4 is used to select one of the two power sources. The system is not designed to run the two power sources simultaneously and such connection must be avoided.

Using an external power supply:

- 1- Select a DC power supply with 500mA output current capability (minimum), adjust the output voltage to 3.60V
- 2- Connect the positive wire to the RED socket, connect the negative wire to the BLACK socket
- 3- Toggle switch S4 to turn on the system

Using dry cell battery:

- 1 – Make sure no external power supply is attached to the RED and BLACK sockets
- 2 - Insert two 1.5V, AA type cell in the holder. Make sure the polarity is properly respected
- 3 – Toggle switch S4 to turn on the system

System operation :

- 4- Select the Output Voltage (4.5V or 5.0V) by toggling the switch S3, B1
- 5- Select the operating frequency (260kHz or 630kHz) by toggling the switch S2, FSEL. Note: turn system off before switching frequency.
- 6- Select the Normal or PWM mode by toggling the switch S1. A RED LED turns On when the PWM mode is activated. The brightness of the LED (if necessary) can be adjusted (when the PWM mode is activated) by means of the potentiometer P1.