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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ON Semiconductor

Test Procedure for the NCP45520IMNGEVB Evaluation Board

1. Ensure jumpers J1 and J7 are placed (i.e. pins 1 and 2 of J1 and J7 headers are shorted) on evaluation board
2. Connect DC Power Supply to VCC and GND (max voltage = 5.5V, current limit > 1mA)
3. Connect DC Power Supply to VIN and GND (max voltage = 13.5V, current limit > 1A)
4. Connect DC Load to VOUT and GND
5. Set VCC voltage to 3.3V and turn on Power Supply
6. Set VIN voltage to 12V and turn on Power Supply
7. Enable Load Switch by applying voltage to EN (must be > 2V, but not exceed VCC voltage)
8. Set VOUT load to 1A and turn on DC Load
9. Measure voltage at VOUT using the VOUT Kelvin Connection test point
    a. Should measure within 40mV of the VIN voltage, referenced from the VIN Kelvin Connection test point
10. Measure voltage at PG test point
    a. Should measure approximately VCC voltage
11. Turn off DC Load connected to VOUT
12. Disable Load Switch by removing voltage on EN (can float EN or tie to GND)
13. Measure voltage at VOUT using the VOUT Kelvin Connection test point
    a. Should measure approximately GND
14. Measure voltage at PG test point
    a. Should measure approximately GND