



Test Procedure for the NCP3233GEVBEvaluation Board

I. Description and scope - ~~1.0~~

~~1.1~~

~~1.2~~

~~1.3~~

II. EVB Photo - ~~1.0~~

input operation, with the output voltage set to 1.0 ~~V~~

~~1.1~~

3_R 1 ~~0~~

(~~1~~ ~~0~~

~~1~~

-4~~0~~

is

The default configuration of the EVB is for 3.3 V

~~1.0~~

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III. Setup and Procedure- Important: Unless otherwise verified, assume that the EVB is preset for 3.3 V operation, which means that the input supply should be set to ~3.3 V, 5 V maximum. Applying input voltage greater than 5 V will damage the board.

1. Turn on the input supply and set the output voltage to 3.3 V and the current limit to 3 A.

2. Measure the output voltage and current. The output voltage should be 3.3 V and the current should be 0 V.

3. Increase the current limit of the input supply to at least 8 A.

4. Measure the output voltage and current. The output voltage should be 3.3 V and the current should be 0 A.

5. Measure the output voltage and current. The output voltage should be 3.3 V and the current should be 0 A.

6. Measure the output voltage and current. The output voltage should be 3.3 V and the current should be 0 A.

IV. Making adjustments –

1. Adjust the output voltage. The output voltage is preset to 1.000 V with R1 and R2. R1 is 20.0 k and R2 is 30.1 k.

2. Adjust the current limit.

3. Adjust the output current.

4. Measure the output voltage and current. The output voltage should be 1.000 V and the current should be 0 A.

5. Measure the output voltage and current. The output voltage should be 1.000 V and the current should be 0 A.