Test Procedure for the NCP1521B Evaluation Board

ON Semiconductor

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Equipment needed

- Power Supply
- Digital Volt Meter
- Digital Amp Meter

Test

1. Jumper ENABLE should be open.
2. Jumper SELECT should be closed to 1.2V.
3. Set the power supply to 3.6V and the current limit of at least 800mA.
4. Connect the power supply connector to connectors VIN+ and VIN-. The DC current measurement on VIN line should be around 0.3µA.
5. Close ENABLE connector. The DC current measurement on VIN line should be around 40µA.
6. Measure the output voltage between VOUT+ and VOUT- connectors. You should see around 1.2V voltage operation.
7. Remove the ENABLE jumper. The DC current measurement on VIN line should be back around 0.3µA.