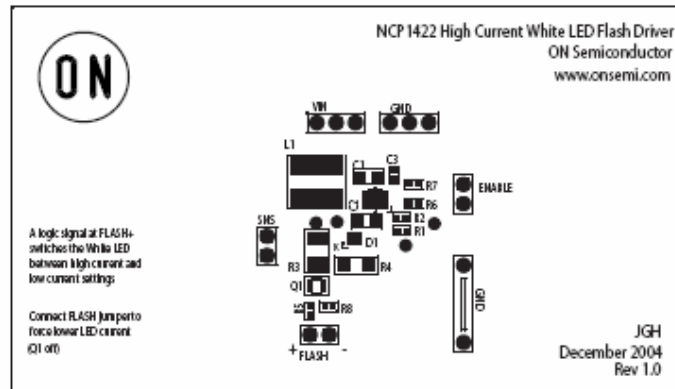


Test Procedure for the NCP1422LED Evaluation Board

ON Semiconductor



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REQUIRED EQUIPMENT

- 1) Power Supply (capable of >5V, 2A with 100mV resolution)
- 2) Voltmeter
- 3) Function generator set to parameters in PULSE table below

TESTING

- 1) Set dc power supply to 3.6 Vdc and current limit to 2 A.
- 2) Disconnect jumper from ENABLE
- 3) Connect jumper to FLASH
- 4) Connect dc power supply to VIN and GND at top of board. (Positive on VIN, Negative on GND)
- 5) LED should be off.
- 6) Connect voltmeter between SNS and GND
- 7) Connect jumper to ENABLE
- 8) LED should be on (CAUTION, DO NOT LOOK DIRECTLY AT THE LED. IT IS EXTREMELY BRIGHT).
- 9) Measure SNS voltage. It should be between 700-900 mV.
- 10) Disconnect jumper from FLASH
- 11) Apply function generator output across FLASH+ and FLASH-
- 12) LED should alternate between two brightness levels.
- 13) Disconnect function generator from FLASH
- 14) Turn off power supply and disconnect. Reconnect jumpers to ENABLE and FLASH.

PULSE	
Waveform	Squarewave
Frequency	4.0 Hz
Amplitude	2.5 Vpp
Offset	1.25 Vdc
% Duty	20%

This produces a 5V, 50ms pulse train