



Test Procedure for the NCV7685BCMR1GEVK Evaluation Kit

Initial setup:

1. NCV7685BCMR1GEVB module needs to be inter-connected with LOW, MID or HIGH end variant of the EVB board.
2. Return function switches to the default OFF position on the BCM board
3. Connect Cables for CON-FCN, CON-KEY and CON_DIAG

Required Equipment:

- Bench power supply with A-meter with minimum current limit of 2A
- Multimeter
- NCV7685BCMR1GEVB board
- NCV7685LOWR1GEVB board or NCV7685MIDR1GEVB board or NCV7685HIGHR1GEVB board

Test procedure (BCM indication LEDs)

4. Connect setup as shown above
5. Apply 14V using the Battery input DC connector.
6. By default, no current consumption is expected.
7. By activation the any switch, the appropriate indication LED on the NCV7685BCMR1GEVB module should be turned ON.

Test procedure (verify complete functionality)

1. To verify complete functionality, follow the NCV7685LOWR1GEVB_TEST_PROCEDURE, NCV7685MIDR1GEVB_TEST_PROCEDURE or NCV7685HIGH1GEVB_TEST_PROCEDURE depends on the type of the EVB connected.