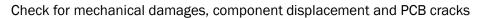
## **Test procedure**

1. Step - Visual inspection





2. Step – Supply board with 15V. Use connection shown on following photo



Connectors' pins are on bottom side of the board.

3. Step - Apply input signals to the board, using connector on following photo



And check the outputs on following connections

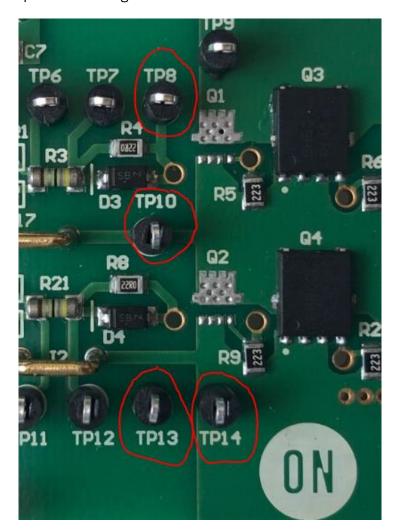
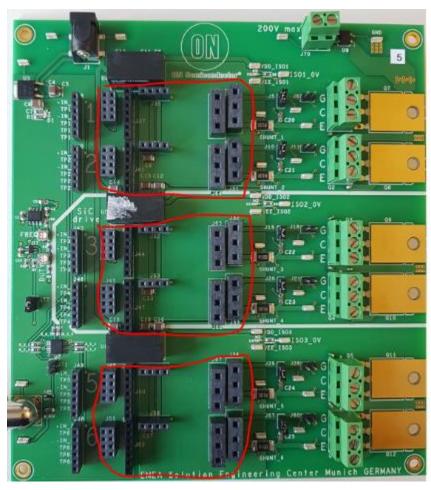


Table 1. Input/output lookup table Measured using digital multi-meter or oscilloscope.

Input signal	Output signal
5V PWM between HIN and GND (100% duty cycle and frequency>350kHz not allowed)	15V PWM between TP8 and TP10 OV between TP13 and TP14
5V PWM between LIN and GND (100% duty cycle and frequency>350kHz not allowed)	OV between TP8 and TP10 15V PWM between TP13 and TP14

## Test procedure using Gate driver baseboard



- 1. Step place NCV51513HBGEVB board on baseboard in any of three possible positions
- 2. Step supply baseboard with 15V using J1 connector
- 3. Step measure output signals between TP8 and TP10 using differential oscilloscope probe (output signal should be PWM with frequency and duty cycle defined on baseboard, with amplitude 15V or 20V for middle position on baseboard)
- 4. Step measure output signals between TP13 and TP14 using oscilloscope probe (output signal should be PWM with frequency and duty cycle defined on baseboard, with amplitude 15V or 20V for middle position on baseboard)