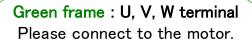
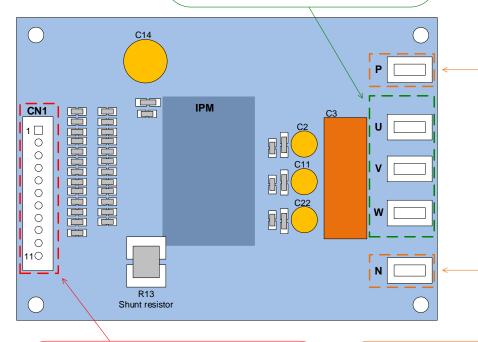


Test Procedure for the STK5Q4U362JGEVB Evaluation Board

Description of each pin





Red frame: Connector

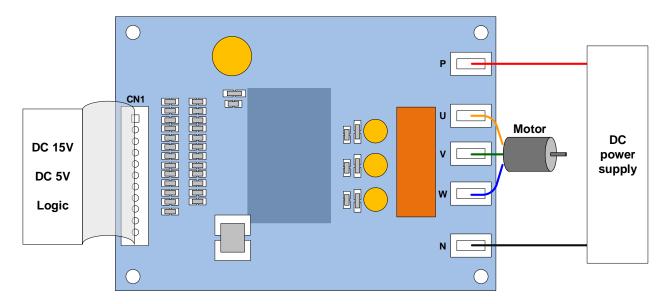
For the connection to the control part

1.UH 2.VH 3.WH 4.UL 5.VL 6.WL 7.FO 8.VNTC 9.VDD(5V) 10.VCC(15V) 11.GND Orange frame: P, N terminal Please connect to DC power supply.

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Operation procedure



- **Step1 :** Please connect each power supply, logic parts, and the motor to the evaluation board, and confirm that each power supply is OFF at this time.
- **Step2:** Please impress the power supply of DC 15V.
- **Step3:** Please impress the power supply of DC 5V.
- **Step4 :** Please perform a voltage setup according to specifications, and impress the power supply between the "P" and the "N" terminal.
- **Step5 :** By inputting signal to the logic part, IPM control is started.

 (Please set electric charge to the boot-strap capacitor of upper side by turn on lower side IGBT before running.)

Note: When turning off the power supply part and the logic part. Please carry out in the reverse order to above steps.