• The CY8CKIT-037 EVK board is intended to be used with the CY8CKIT-042 PSoC® 4 Pioneer Kit.
• Set VDD to 5 V with J9 on CY8CKIT-042 Kit.


• Connect the CY8CKIT-037 EVK board to the CY8CKIT-042 board through connectors J1, J2, J3, and J4.

VDD - Red
HALLA - Blue
HALLB - Green
HALLC - White
GND - Black

• Connect the Hall Sensor connector to J12 on CY8CKIT-037.
• Confirm that Jumper J13-24 are as per "HALL SENSOR BLDC" motor type as printed on the EVK board.
• Connect the motor windings to J9 and J10 using the screwdriver.
• For the motor provided with the kit, the color coding of motor windings is: A > Red, B > Yellow, C > Black.

• Connect the power adapter provided with the kit to CY8CKIT-037 at connector J7; connect the other end of the adapter to any 100–240 V AC power socket.
• Red LED indicates power ON. If not glowing, then fix the fuse F2 correctly on the bottom side.
• Connect the USB cable provided with the kit to CY8CKIT-042 at connector J10; connect the other end of the USB cable to your PC.

Connect the power adapter provided with the kit to CY8CKIT-037 at connector J7; connect the other end of the adapter to any 100–240 V AC power socket.
• Red LED indicates power ON. If not glowing, then fix the fuse F2 correctly on the bottom side.
• Connect the USB cable provided with the kit to CY8CKIT-042 at connector J10; connect the other end of the USB cable to your PC.
For the latest information on motor control products, visit www.cypress.com/CY8CKIT-037