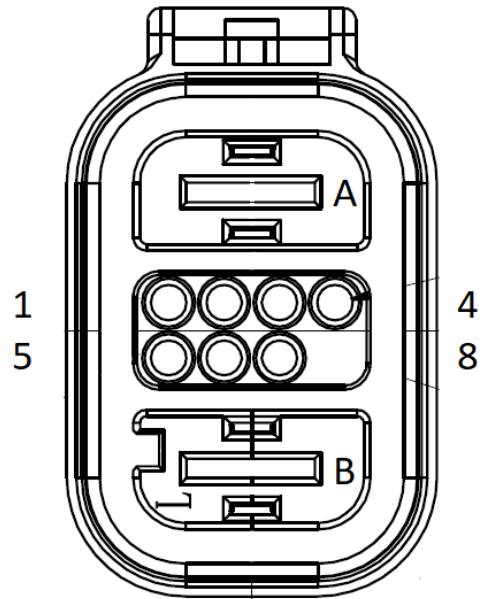


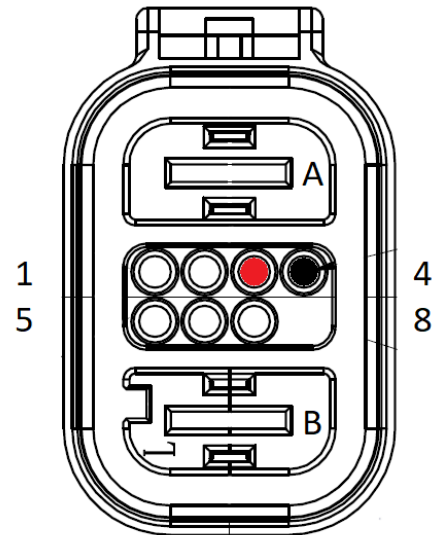
# Title: UBCO Duty Battery Test

Place the battery in a suitable position with the battery socket orientated as shown below.



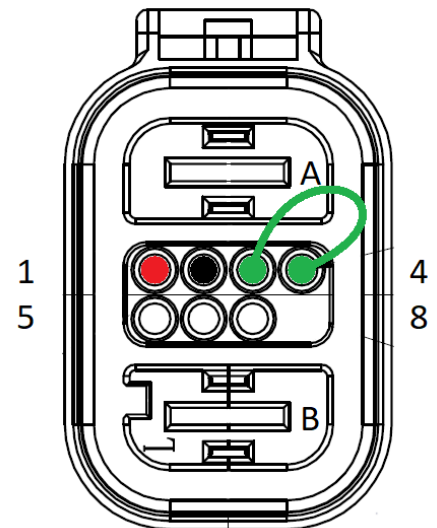
## Test 1. Vbias

1. Place positive lead on Vbias pin (pin 3)
2. Place negative lead on BMS switch (pin 4)
3. Voltage range should be between 44.8V – 58.8V
4. If the voltage is lower, battery may be discharged.  
Allow the battery to charge for 30 mins and test again.



## Test 2. 12V system

1. Using a small bridging wire, carefully bridge Vbias pin & BMS Switch pin.
2. Place positive lead on pin 1
3. Place negative lead on pin 2
4. Voltage reading should be 12.2V
5. Be careful not to short pins 1&2 with pins 3&4, as this will short both voltage circuits and permanently damage the BMS.



## Test 3. Switched output.

1. With Vbias and BMS switch pins (pins 3&4) still bridged, measure the voltage across terminals A & B
2. Place positive lead onto terminal A
3. Place positive lead onto terminal B
4. Voltage reading should be 44.8V – 58.8V

