Technical Note

Updated 23rd June 2021

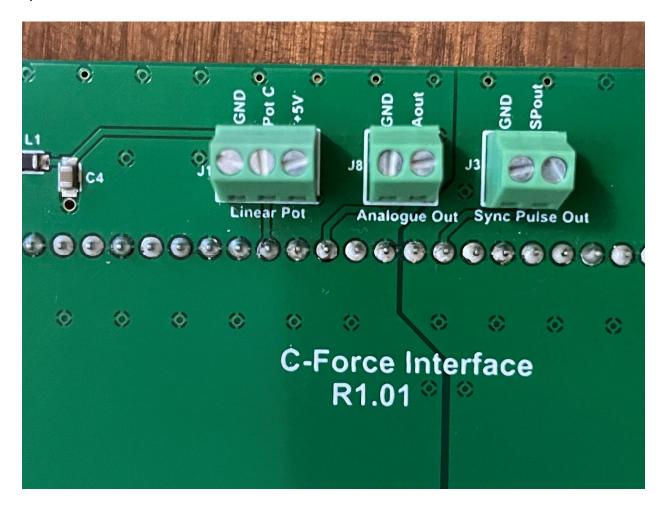**Connections for Synch Pulse Output from the C-Force Platform**

The C-Force has the capability to generate a zero to 5V signal which can be used to synchronise data collected using the Ballistic Measurement System (BMS) and Innerbalance software systems with external data acquisition systems such as EMG, goniometer, force, displacement measurement etc.

The C-Force interface board can be accessed by opening the panel under the force platform.

Connect a two wire cable to the "Sync Pulse Out" screw connect to GND and Spout.

When data collection commences in the BMS or InnerBalance software the Spout will go to +5 volts relative to GND and return to zero (0 volts) at the moment data collection stops.

This signal can also be used to drive an LED for synchronisation with visual data collection systems such as infrared and video.