Pin Assignment Changes - CANbus and Mosfets
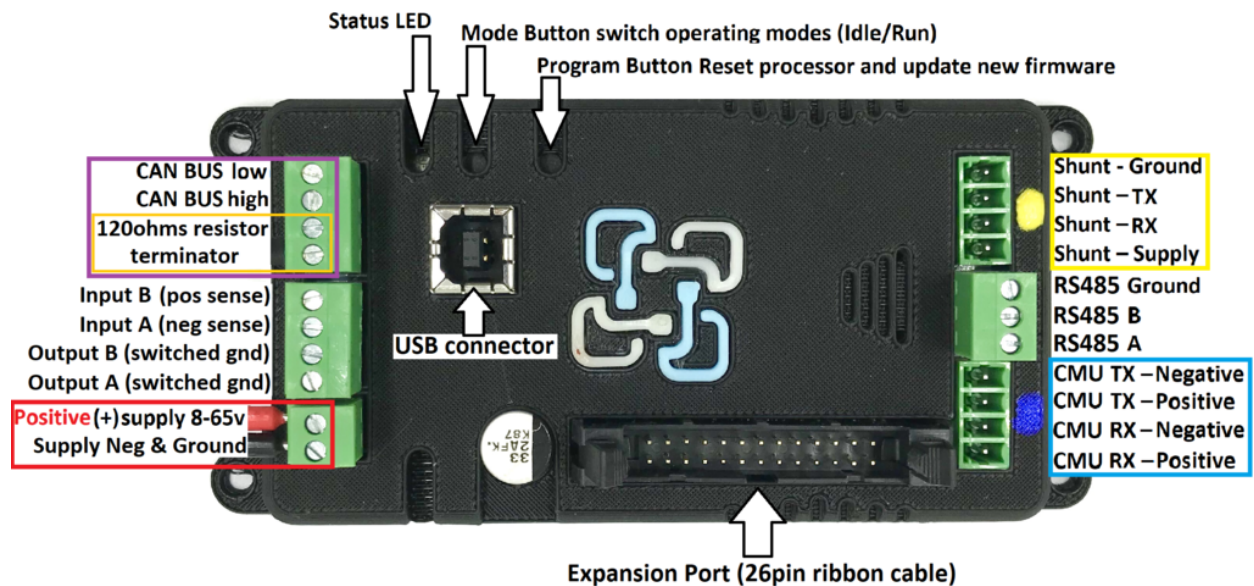
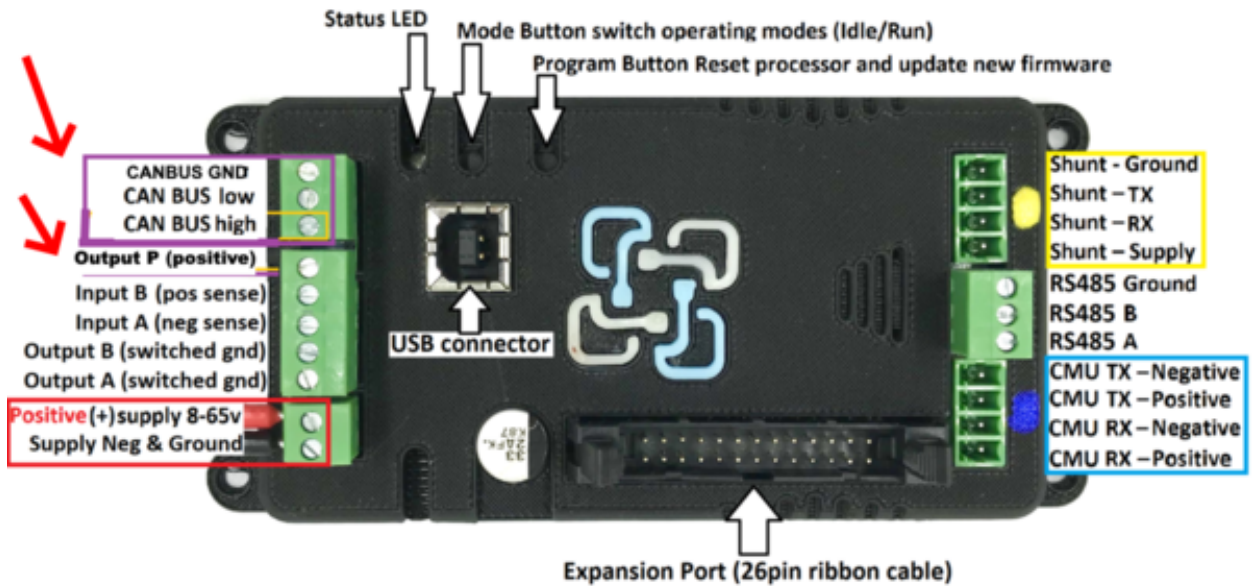**Changes to pin assignments with WatchMon 4.3, WatchMonPlus 5.2 and WatchMonPlus 7.1.**

Please note: The change is the same on all three but we are using WatchMon4 for this demonstration reasons only.

- CANbus has changed from a 4 pin to a 3 pin plug
- Mosfet outputs changed from a 4 pin to a 5 pin plug adding an Output P (positive)

WatchMon4 pin assignment

Status LED

Mode Button switch operating modes (Idle/Run)

Program Button Reset processor and update new firmware

CAN BUS low
CAN BUS high
120ohms resistor terminator

Input B (pos sense)
Input A (neg sense)
Output B (switched gnd)
Output A (switched gnd)

Positive (+) supply 8-65v
Supply Neg & Ground

USB connector

Shunt - Ground
Shunt – TX
Shunt – RX
Shunt – Supply

RS485 Ground
RS485 B
RS485 A

CMU TX – Negative
CMU TX – Positive
CMU RX – Negative
CMU RX – Positive

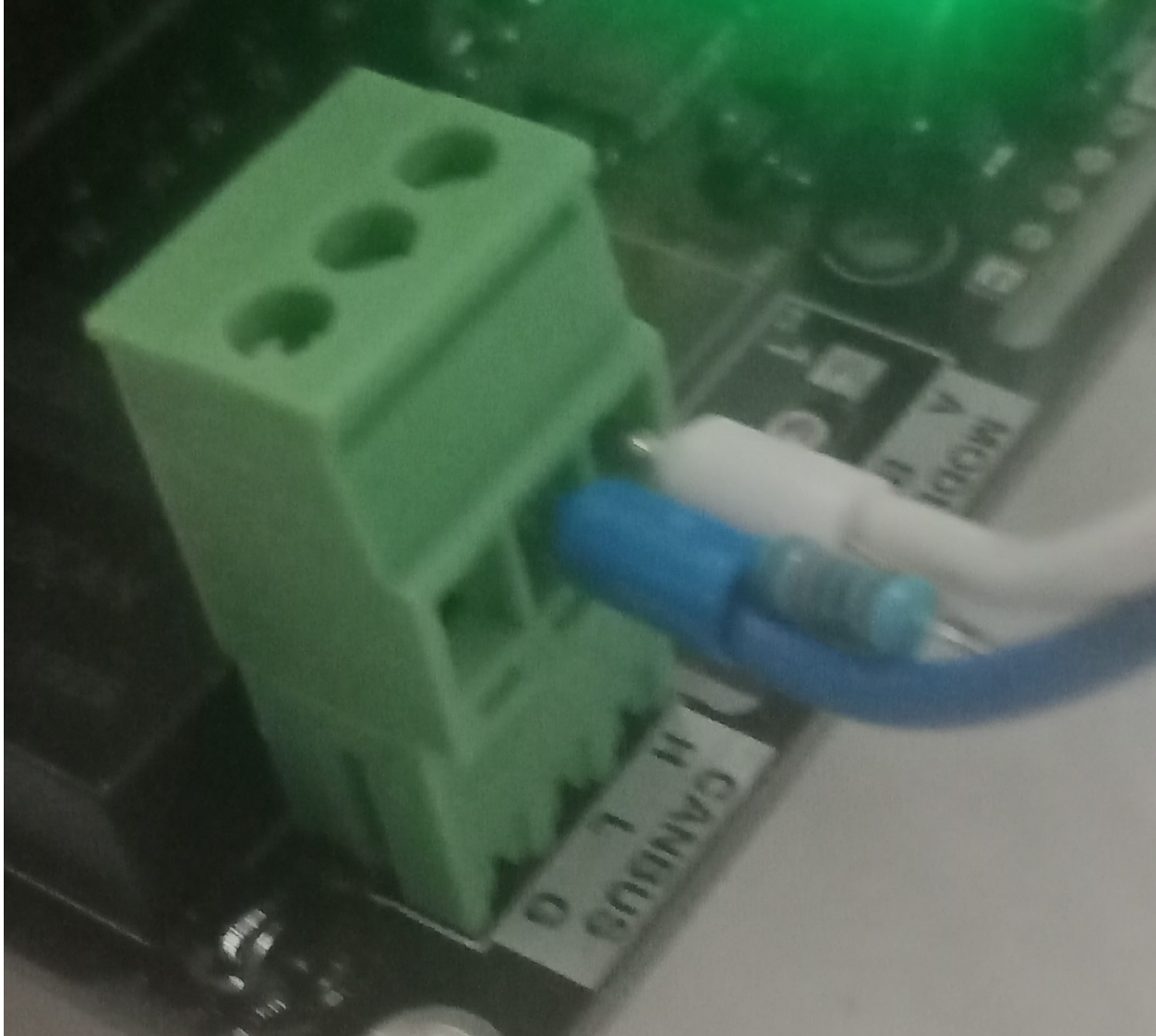Expansion Port (26pin ribbon cable)

WatchMon4 pin assignment

Canbus Has Changed From A 4 Pin To A 3 Pin Plug

This was done for a combination of reasons and:

- CANbus ground was added as a number of inverters required this and hence this broadens the range of inverters possible.
- If CANbus Ground is not needed for your inverter then it should remain unused
- the 120 Ohm resister is still required and should be put between CANbus High and Low (see below example)

Mosfet Outputs Changed From A 4 Pin To A 5 Pin Plug Adding An Output P (Positive)

We have documents for wiring fans and wiring contactors labelled either 4 pin or 5 pin explaining the changed requirements. This change makes the device more robust.