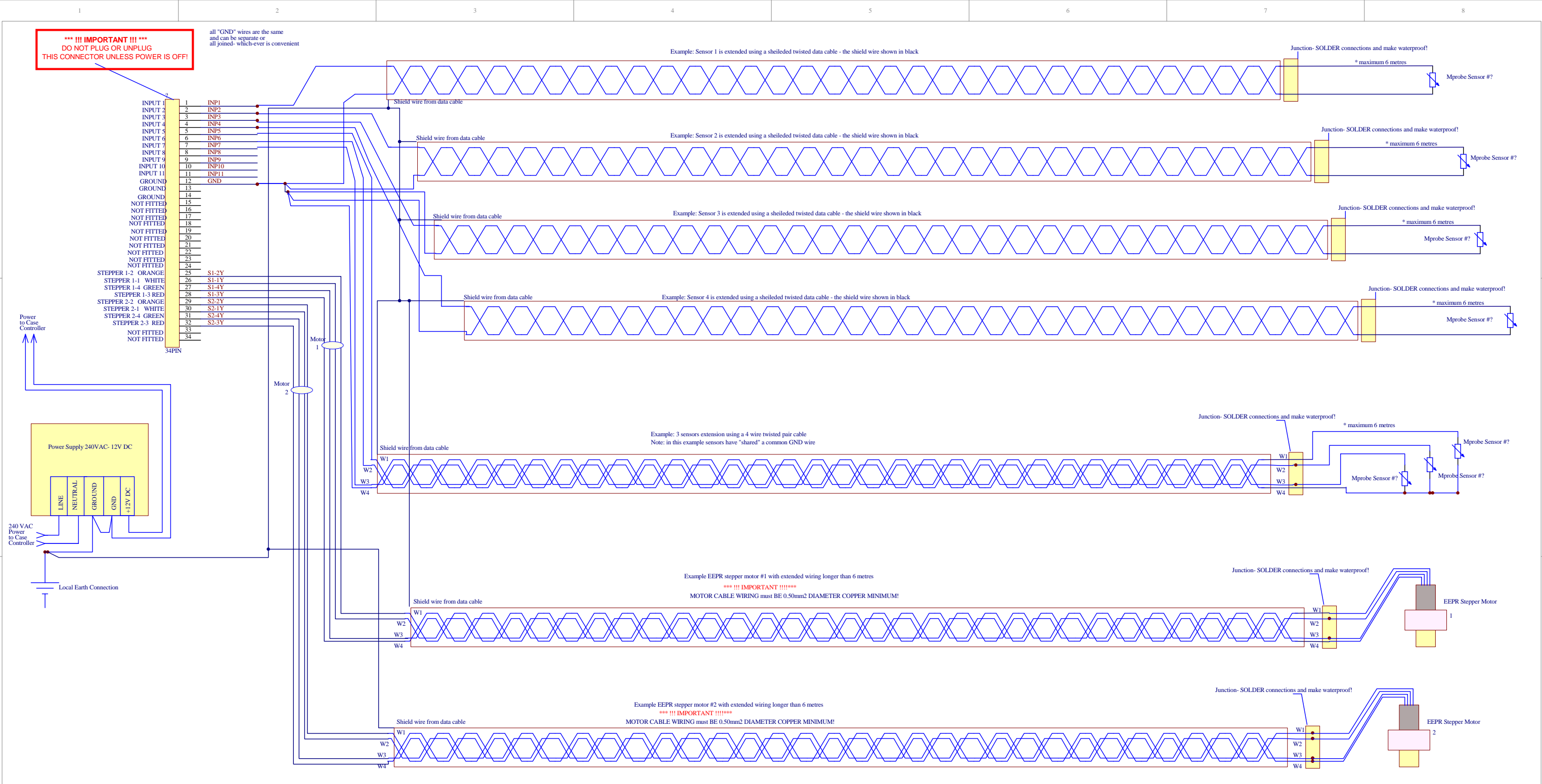


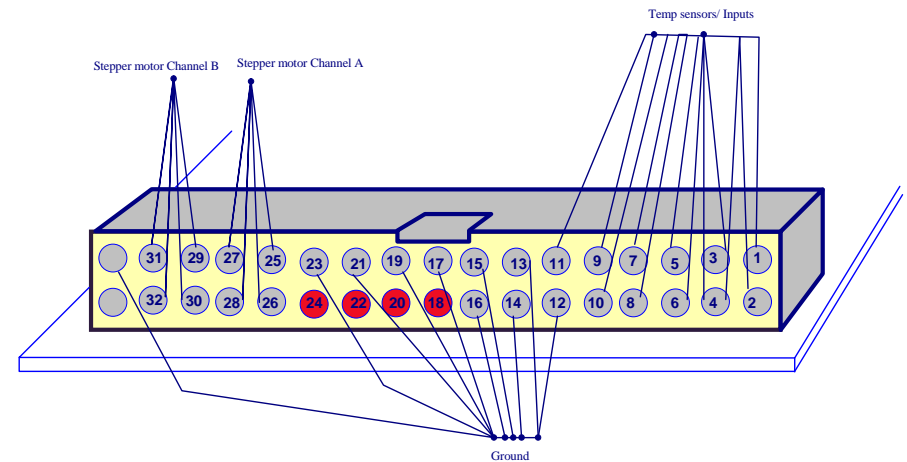
***** !!! IMPORTANT !!! ***
DO NOT PLUG OR UNPLUG
THIS CONNECTOR UNLESS POWER IS OFF!**

all "GND" wires are the same
and can be separate or
all joined- which-ever is convenient



This is an example of the sensor and wiring to a Case controller with 7 temperature sensors and 2 stepper motors connected.
The example shows some general principles of wiring RULES for the case control which can be summarized:

1. A good quality local EARTH connection is required
2. All temperature and stepper motor cables extended beyond 6 metres must be in data cable with the following: TWISTED, SHIELDED.
3. The conductor copper required for temperature sensor cables can be fine, although we recommend 0.25mm2 conductors minimum for mechanical strength.
4. The conductor copper required for stepper motors cables we recommend 0.50 mm2 conductors minimum for electrical load.
5. All data cable should be shielded. The Data cable shielded to be directly connected to EARTH
6. Temperature sensor cabling may be run in multicore twisted shielded cable
7. Temperature sensor cabling may be SHARE a common Ground return conductor
8. All the Ground terminals on the 34 way pluggable connector as internally joined, so this terminal can be treated as all the same.
9. DO NOT plug or unplug the 34 way board connector unless POWER is OFF



Title PRESSCON CASE CONTROLLER WIRING RULES AND EXAMPLE		
Size A2	Number	Revision 1.2 30.7.9
Date: 10/08/2009	Sheet of	
File: P:\1p\...Case Control External Wiring.SCH	Drawn By:	