

Figure 12, proposed schema

### 3.4.1. Description

- This card has 8 active connectors for the sensors and screw contacts for send the current signal back to the ADC buffer card

### 3.4.2. Part list

Item	Description/ Protel Project	Units
1	16 way caged screw contacts 2.54mm pin space	1
82	3 way caged screw contacts 2.54mm pin space	1
3	5 way 2.54mm Pitch AMP HE14 connectors	8
4	Printed card	1

## 3.5. Voltage Sensor

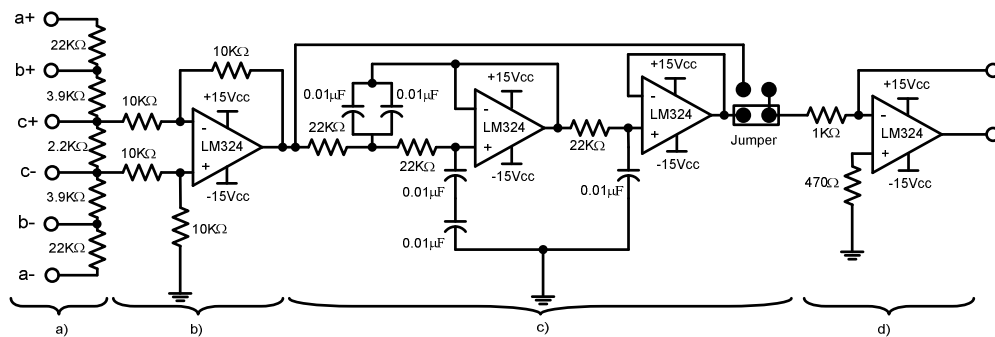


Figure 13, voltage sensor (a) voltage divisor, (b) differential amplifier, (c) filter, (d) voltage to current interface