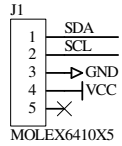


# Thermocouple input

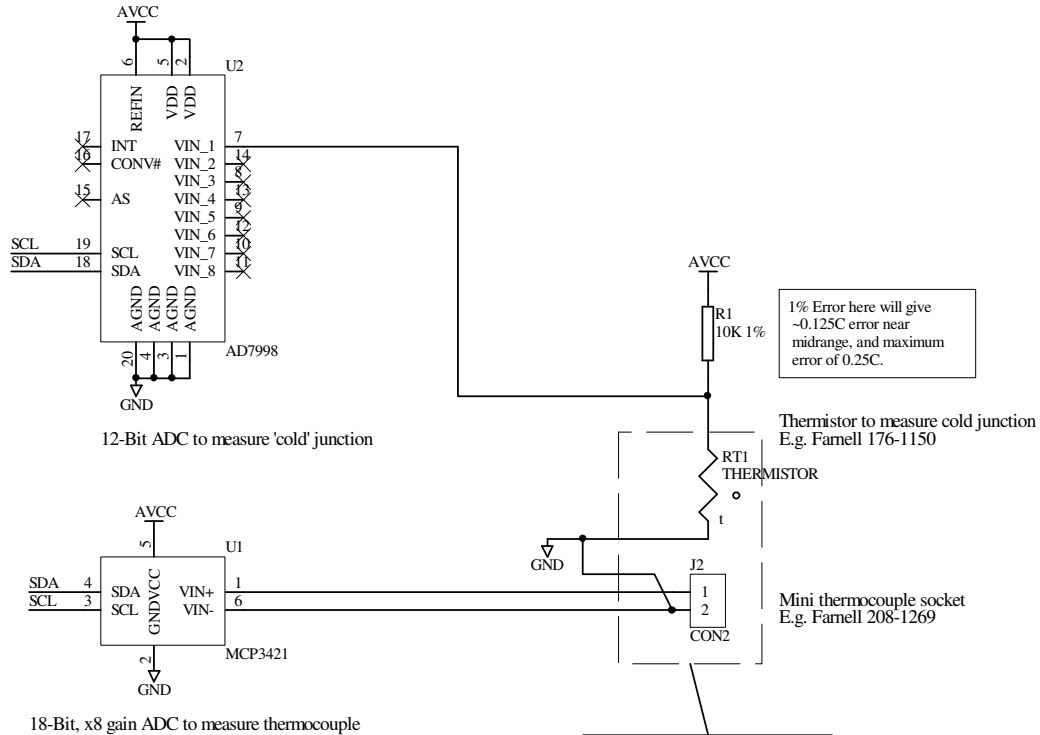
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Note: This circuit may be constructed using the 5624 Analogue I/O Board. Software to drive it is available on our website.



I2C Bus connector

I2C Addressing  
 AD7998-0 Address: 64  
 MC3421 A0 Address: 208.

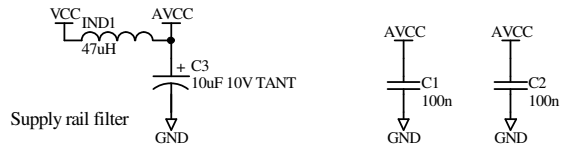


12-Bit ADC to measure 'cold' junction

18-Bit, x8 gain ADC to measure thermocouple

Note: input voltage will be below GND for temperatures lower than the 'cold' junction, but can never exceed the lower common mode limit of 300mV as this is beyond the max 50mV output range of a thermocouple.

The thermistor should be kept in an isothermal zone with the thermocouple socket.



Supply rail filter

<b>Thermocouple input</b>		© Venom Control Systems Ltd. 128 Low Road Burwell CB25 0EJ Cambs Tel. +44 (0) 1223 459232
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