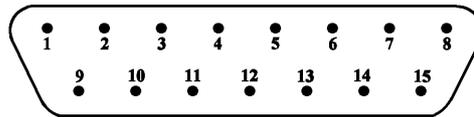


Analog Input Multiplexer (+6 inputs)

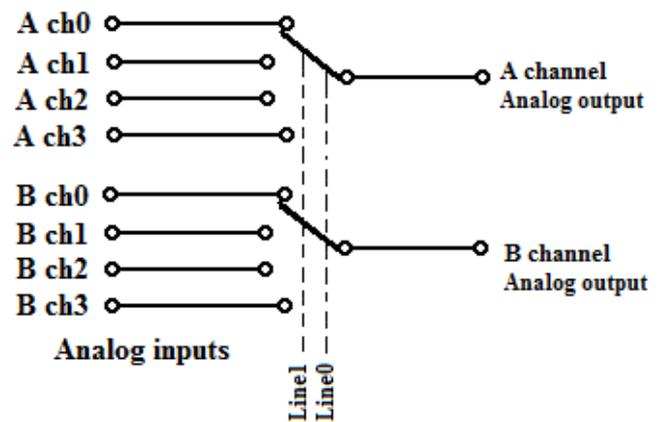
8 analog inputs (sensors/switches/potentiometers; possibly with external pullup to +5V) => 2 v3 analog inputs (EC18/... normally with protection, but without pullup in v3) . Useful for anytrim.

Pinout:



(looking into) Dsub15 male connector

1. Analog input 0-5V **A ch0** (protected)
2. Analog input 0-5V **A ch1** (protected)
3. Analog input 0-5V **A ch2** (protected)
4. Analog input 0-5V **A ch3** (protected)
5. Analog input 0-5V **B ch0** (protected)
6. Analog input 0-5V **B ch1** (protected)
7. Analog input 0-5V **B ch2** (protected)
8. Analog input 0-5V **B ch3** (protected)
9. **Supply +12V**
10. **+5V for sensors** (100mA)
11. **Address line0** (internall pullUp to +12V) eg.: EC36/31 (p259/6)
12. **Address line1** (internall pullUp to +12V) eg.: EC36/30 (p259/7 ; must be neighbor of address line0)
13. Analog output 0-5V **A channel**
14. Analog output 0-5V **B channel**
15. **GND**



Function table:

Line1	Line0	Comment
0	0	A ch0 input (<i>Dsub15/1</i>) → A channel output (<i>Dsub15/13</i>) B ch0 input (<i>Dsub15/5</i>) → B channel output (<i>Dsub15/14</i>)
0	1	A ch1 input (<i>Dsub15/2</i>) → A channel output (<i>Dsub15/13</i>) B ch1 input (<i>Dsub15/6</i>) → B channel output (<i>Dsub15/14</i>)
1	0	A ch2 input (<i>Dsub15/3</i>) → A channel output (<i>Dsub15/13</i>) B ch2 input (<i>Dsub15/7</i>) → B channel output (<i>Dsub15/14</i>)
1	1	A ch3 input (<i>Dsub15/4</i>) → A channel output (<i>Dsub15/13</i>) B ch3 input (<i>Dsub15/8</i>) → B channel output (<i>Dsub15/14</i>)

Default