

## USB-DUX Pinouts

### 25 pin D connector (f)

Pin	Direction	Function
1	I	A/D channel 7
2	I	A/D channel 6
3	I	A/D channel 5
4	I	A/D channel 4
5	I	A/D channel 3*
6	I	A/D channel 2
7	I	A/D channel 1
8	I	A/D channel 0*
9	O	D/A channel 0, bipolar
10	O	D/A channel 1, bipolar
11	O	D/A channel 2, bipolar
12	O	D/A channel 3, bipolar
13	O	$V_{ref} = 4.096V$
14	Supply	+5V
15	Supply	-5V
16	GND	
17	GND	
18	GND	
19	GND	
20	GND	
21	GND	
22	O	D/A channel 0, unipol
23	O	D/A channel 1, unipol
24	O	D/A channel 2, unipol
25	O	D/A channel 3, unipol

\*: Please leave disconnected if you have the thermocouple/BNC version.

### 15 pin D connector (f)

Pin	Direction	Function	Counter
1	I/O	digital I/O bit 7	
2	I/O	digital I/O bit 6	reset1
3	I/O	digital I/O bit 5	up/down1
4	I/O	digital I/O bit 4	/CLK1
5	I/O	digital I/O bit 3	
6	I/O	digital I/O bit 2	reset0
7	I/O	digital I/O bit 1	up/down0
8	I/O	digital I/O bit 0	/CLK0
9-14	GND		
15	NC/5V		