

Sub-D Pin Numbering

For connectors and feedthroughs

Valid for all Standard density Sub-D types with 9 / 15 / 25 / 37 / 50 Pin



1) Connectors

Alllectra uses for all connectors the same pin numbering system as used on standard air side connectors. This means that

- on the male connector, Pin one is in the upper row left
- on the female connector, Pin one is in the upper row right (see picture above)

The numbering is done by the row for all sizes.

Example 15 way:

Upper Row: Pin 1 to Pin 8 / Lower Row: Pin 9 to Pin 15

2) Feedthroughs

The feedthroughs are male on air and vacuum side. So the pin numbering is mirrored by the feedthrough. This must be taken into account for setting up the wiring.

To avoid this, Alllectra offers gender changers for the air or for the vacuum side. As soon as one gender changer is used, the standard pin layout is regained.

Here the lists for the different sizes, how the pin numbering from Air side to Vacuum side is changed

Sub-D 9 pin Sub-D 15 pin

1 - 5
2 - 4
3 - 3
4 - 2
5 - 1
6 - 9
7 - 8
8 - 7
9 - 1

1 - 8
2 - 7
3 - 6
4 - 5
5 - 4
6 - 3
7 - 2
8 - 1
9 - 15
10 - 14
11 - 13
12 - 12
13 - 11
14 - 10
15 - 9

Gender changers for air side (top, for 15 pin) and vacuum side (bottom, for 37 pin)



Sub-D 25 pin

1 - 13
2 - 12
3 - 11
4 - 10
5 - 9
6 - 8
7 - 7
8 - 6
9 - 5
10 - 4
11 - 3
12 - 2
13 - 1
14 - 25
15 - 24
16 - 23
17 - 22
18 - 21
19 - 20
20 - 19
21 - 18
22 - 17
23 - 16
24 - 15
25 - 14

Sub-D 37 pin

1 - 19
2 - 18
3 - 17
4 - 16
5 - 15
6 - 14
7 - 13
8 - 12
9 - 11
10 - 10
11 - 9
12 - 8
13 - 7
14 - 6
15 - 5
16 - 4
17 - 3
18 - 2
19 - 1
20 - 37
21 - 36
22 - 35
23 - 34
24 - 33
25 - 32
26 - 31
27 - 30
28 - 29
29 - 28
30 - 27
31 - 26
32 - 25
33 - 24
34 - 23
35 - 22
36 - 21
37 - 20

Sub-D 50 pin

1 - 17	34-50
2 - 16	35-49
3 - 15	36-48
4 - 14	37-47
5 - 13	38-46
6 - 12	39-45
7 - 11	40-44
8 - 10	41-43
9 - 9	42-42
10 - 8	43-41
11 - 7	44-40
12 - 6	45-39
13 - 5	46-38
14 - 4	47-37
15 - 3	48-36
16 - 2	49-35
17 - 1	50-34
18 - 34	
19 - 33	
20 - 32	
21 - 31	
22 - 30	
23 - 29	
24 - 28	
25 - 27	
26 - 26	
27 - 25	
28 - 24	
29 - 23	
30 - 22	
31 - 21	
32 - 20	
33 - 19	
34 - 18	

(First column: Pin number on air side – second column: Pin number on vacuum side)