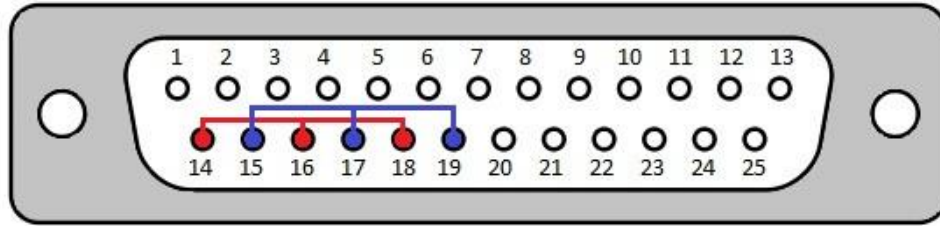


Front View of DS 25

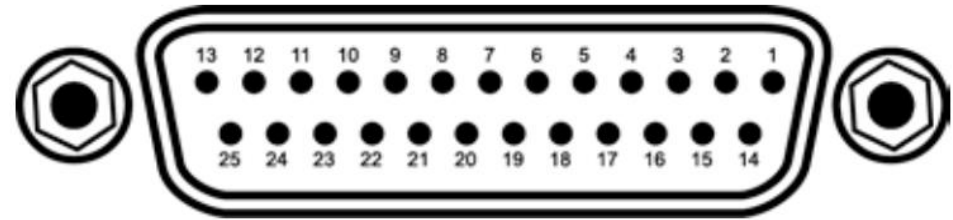


Don't consider the colored lines (Red + Blue)



Back View of Fischer Connector

Front View of Lake Shore Device



- Use Soldering wire
- Soldering tool
- Soldering stand
- Lamp
- Heat sleeves
- Fluke Multimeter
- Strippers
- Short cable
- Connectivity check
- Make labels on the channels



Front View of Fischer Connector

Target New Configuration Insert

1	1+ in (1) Red (D3,4)	15	
2	1- in (1) Grn (D15,16)	16	6- in (2) Brn(D18,19)
3	8I+ in (2) Red(DS 12)	17	
4	2+ in (1) blk (D6,7)	18	7I+ in (2) Red(DS 9)
5	2- in (1) blu (D18,19)	19	7V+ in (2) Whte(DS 10)
6	8V+ in (2)Yelw(DS13)	20	7I- in (2) Blk(DS 21)
7	3+ in (1) blk (D9,10)	21	7V- in (2) Grn(DS 22)
8	3- in (1) yel (D21,22)	22	
9	8I- in (2) Blck (DS 24)	23	
10	4+ in (1) blk (D12,13)	24	6+ in (2) Red (D6,7)
11	4- in (1) wht(D24,25)	25	
12	8V- in (2) Orn(DS 25)	26	
13	5+ in (2) Red (D3,4)	27	
14	5- in (2) Org (D15,16)		



Readout

These eight sensors are read out by one of LakeShore 218 through
One Fischer connector (27 pins) at the insert side and
Two D25 connectors at the LakeShore 218 side.

The readout cable is of 20 conductors at min (2 wires * 6 sensors + 4 wires * 2 sensor).

A 26-conductor cable is in place, which goes through the east penetration.

The D25 and Fischer connectors are configured for "2 wires * 6 sensors (resistors) + 4 wires * 2 sensors (cernox)".

Thus they have to be re-configured.

The new pin assignment is given below.

A 26-conductor cable will be placed for spare.

<https://confluence.its.virginia.edu/display/twist/Target+Insert>