

### Electrical connections inside the cube

This document details the connection between hermetically sealed connector and the Fisher electronic connector on the PCB.

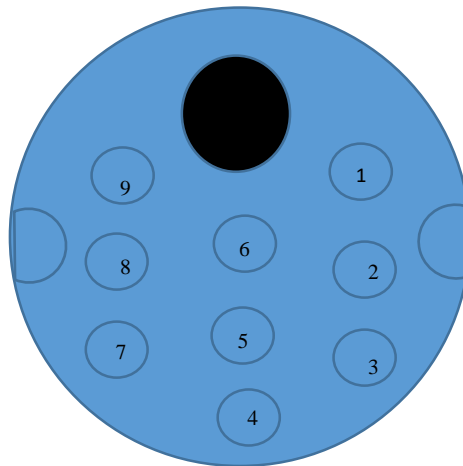


Figure 1 Front View of the hermitically sealed connector.

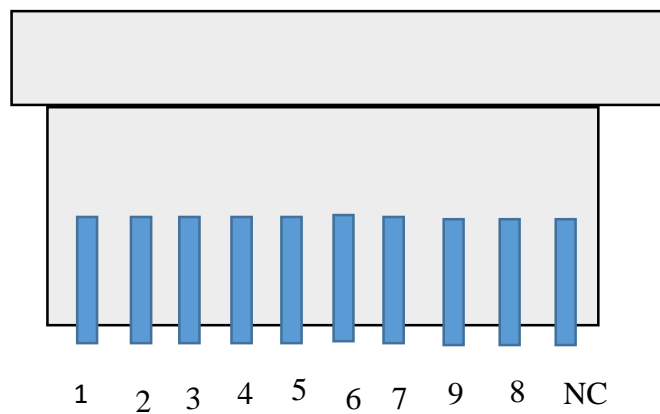


Figure 2 Fisher electronic male connector in out

Table below enlists the connection.

Pin1	5V
Pin 2	DM
Pin3	DP
Pin4	GND
Pin5	3.3 V
Pin6	Temperature Sensor
Pin7	Valve

Pin 8	Growth LED
Pin 9	White LED

Table below lists the connection for four pin header

Pin 1	GND
Pin 2	DP
Pin 3	DM
Pin 4	5V

Figure below illustrates the orientation of the Header P1 and camera Header

