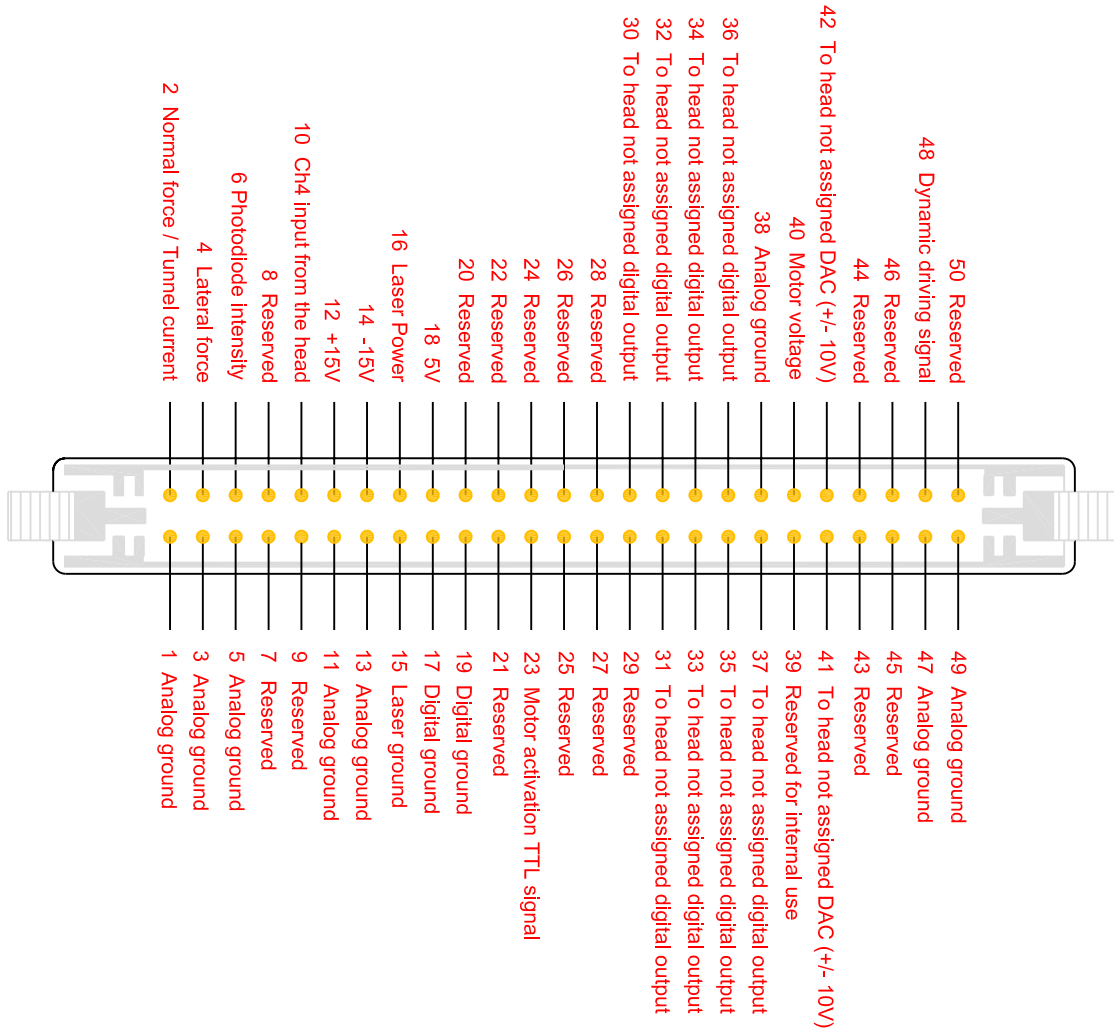


TO HEAD CONNECTOR IDC 50 - P



Notes:

ADC stands for 16-bit Analog to Digital Converters within the DSP board inside the computer
 DAC stands for 16-bit Digital to Analog Converters within the DSP board inside the computer

- Pin2: Normal force / Tunnel current. After signal conditioning in Dulcinea, it is an input to 16-bit DSP ADC channel#1. Commonly used for main feedback.
- Pin4: Lateral force. After signal conditioning in Dulcinea, it is an input to 16-bit DSP ADC channel#2.
- Pin6: Photodiode intensity. It is the sum of the four photodiode quadrants signal. After signal conditioning in Dulcinea, it is input as 16-bit DSP ADC channel#3.
- Pin7: 16-bit DSP ADC channel#9.
- Pin8: 16-bit DSP ADC channel#10.
- Pin9: 16-bit DSP ADC channel#11.
- Pin10: Dulcinea input line available to the user for entering signals from the head. After conditioning in Dulcinea, it goes to DSP ADC channel#4.
- Pin41: To head not assigned DAC, DSP channel#10
- Pin42: To head not assigned DAC, DSP channel#11