

1.9 Connecting components

1.9.1 Pin assignment for the laser diode output

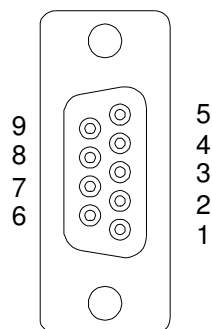


Figure 3 Pinning of the laser diode connector

<u>Pin</u>	<u>Connector</u>
	Interlock, status display
1	output for interlock and status LASER ON/OFF
5	digital ground for pin 1
	Laser diode
7	laser diode cathode (with polarity AG)
8	laser diode anode (with polarity CG)
3	ground for laser diode
	Monitor diode
2	ground potential for monitor diode
4	monitor diode input
	Measurement input for laser diode voltage
9	laser diode anode
6	laser diode cathode

1.9.2 Pin assignment of the TEC output jack

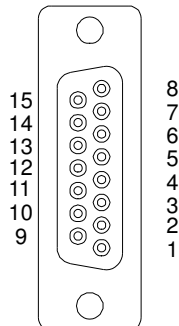


Figure 4 Pinning of the TEC connector

<u>Pin</u>	<u>Connector</u>
TEC element	
5,6,7	TEC element (+)
13,14,15	TEC element (-), ground
2	Voltage detector TEC element (+)
9	Voltage detector TEC element (-)
Status indicator	
1	Status-LED (+)
8	Status-LED (-), ground
Temperature sensor	
3	Thermistor (-), ground
4	Thermistor (+)
10	AD590/592 (-)
11	AD590/592 (+)
12	Supply voltage for <i>Thorlabs</i> -mounts