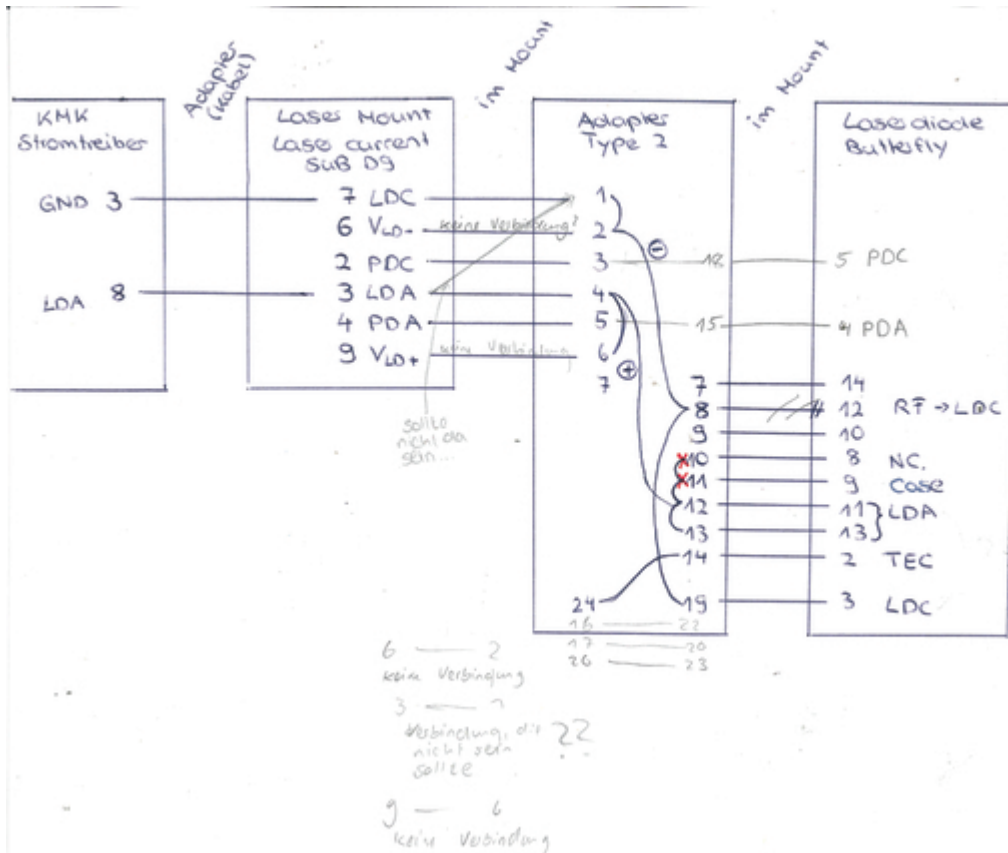
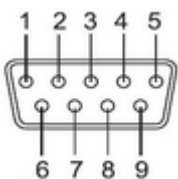


Pin assignment

Overall structure



Sub D-9 connectors



Laser driver

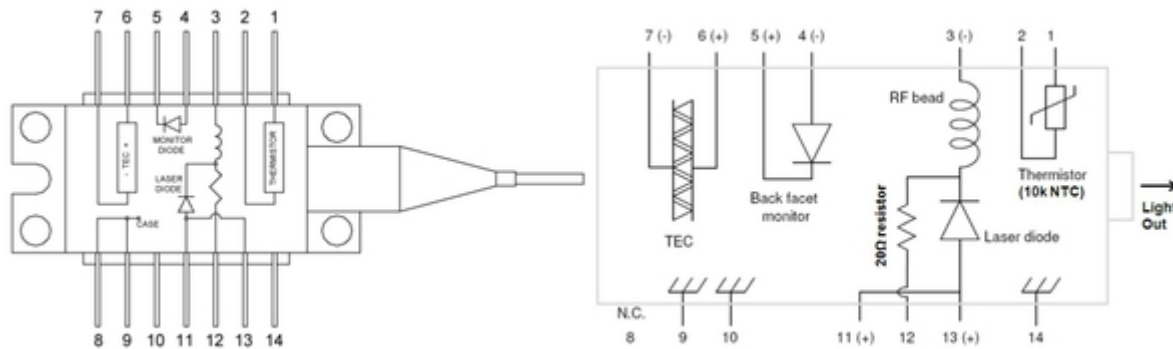
- laser diode connector (LD): D-type Female (Buchse)
- TEC Connector (TEC): D-type Male (Stecker)

Laser Mount

- laser diode connector (LD): D-type Female (Buchse)
- TEC Connector (TEC): D-type Male (Stecker)

Pin	Laser driver LD	Laser Mount LD	Laser driver TEC	Laser Mount TEC
1	-	Interlock and Status Pin (LDC Specific)	-	TEC Lockout (+)
2	-	Photodiode Cathode PDC	NTC1	+Thermistor TH+
3	LD_GND	Laser Diode Anode LDA	NTC2	-Thermistor TH_GND
4	-	Photodiode Anode PDA	Peltier+	TEC (+)
5	-	Interlock and Status Return	Peltier-	TEC (-) and TEC Lockout (-)
6	-	Laser Diode Voltage (-) VLD(-)	Peltier+	-
7	-	Laser Diode Cathode LDC	-	-
8	LD-anode	-	Peltier-	-
9	-	Laser Diode Voltage (+) VLD(+)	-	-

Pin to Connector Configuratuion for Typ 2 with Bias-T



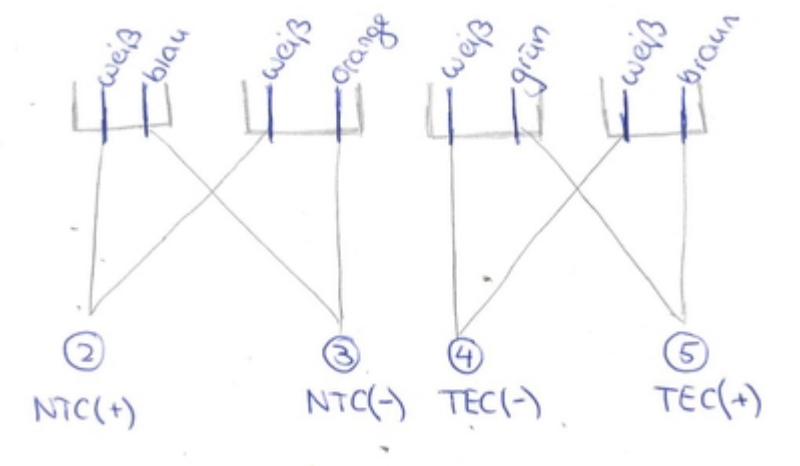
Pin	Laser Mount	Laserdiode
1	Thermistor Ground	Thermistor
2	Thermistor	Thermistor
3	LD Cathode	Laser Cathode DC Bias (-)
4	PD Anode	PD Anode (-)
5	PD Cathode	PD Cathode (+)
6	TEC Anode	TEC +
7	TEC Cathode	TEC -
8	Case	N.C.
9	Case	Package
10	N.C.	Package
11	LD Anode	Laser Anode (+)
12	Modulation Input	Cathode (RF input)
13	LD Anode	Laser Anode (+)
14	N.C.	Package

Cables

Meerstetter - Laser Mount TEC

- blue
- 3 m
- CAT6-cable
- with ferrite cores
- outer shield connected to GND of Meerstetter

colour of the cable	white	white	orange	blue	green	brown	white	white	outer shield
connected to Pin	2		3		4		5		9
	NTC (+)		NTC (-)		TEC (+)		TEC (-)		GND Meerstetter

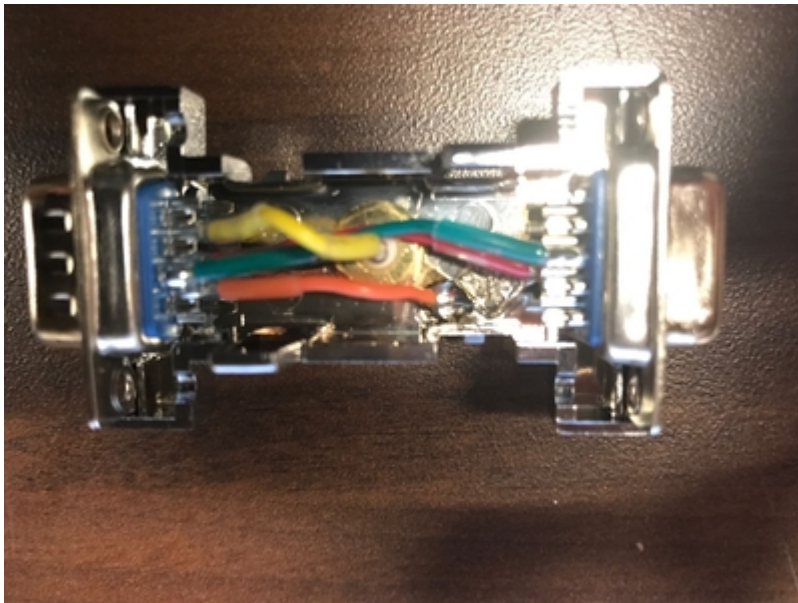


Adapter for Lasermount & cable to Laserdriver

- with a SMA connector for the Photodiode inside the Butterfly housing

describition in Lasermount	PD-cathode	LD-anode	PD-anode	LD-GND
Lasermount - Pin	2	3	4	7
colour of cable	orange	red	yellow	green

Laserdriver - Pin		8		3
SMA	outer		pin	

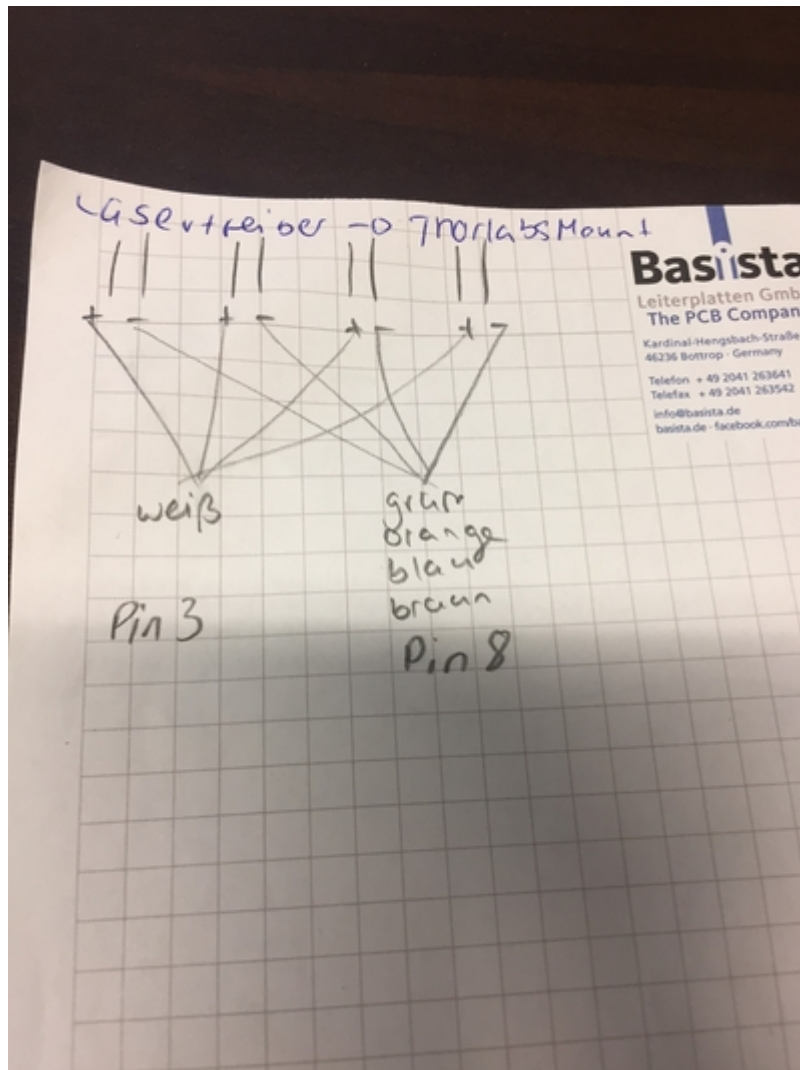


Laserdriver - Adapter for Lasermount

- orange
- 3 m
- CAT6-cable
- with ferrite cores
- outer shield connected to GND of the Laserdriver

	LD-GND				LD-anode				GND Laserdriver
colour of the cable	white	white	white	white	green	orange	brown	blue	outer shield
connected to Pin	3				8				6





Connections Overview

Laser Diode Component	Polarity	Laser Diode Pin	Thorlabs Connector	Pin	Meerstetter Connector	
Thermistor		1	TEC-Driver	2		3
		2		3		4
TEC	+	6		4		10
	-	7		5		9
Photo Diode	Anode	4	LD-Driver	4		
	Cathode	5		2		
Laser Diode	Anode	11, 13		3		
	Cathode	3		7		

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