

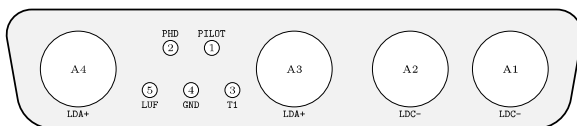
OEM Laser & Peltier Controller

Type: ds11-la75v05-pa08v24-o80l04-v1-489



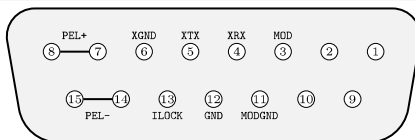
Laser max.: 75A, 5V
 TEC max.: 8A 24V (max. 150W)
 In: 110..230VAC
 - Analog or Digital Modulation
 - Bias Current option
 - Pilot Laser Supply
 - External Fan Support
 - optional medical version
 - optional 2nd TEC

Laser Connector



| PIN.No | Abbr. | Function |
|--------|-------|-------------------------------------|
| A1,A2 | LDC- | Laser Diode Cathode |
| A3,A4 | LDA+ | Laser Diode Anode |
| 1 | PILOT | Pilot Laser Supply |
| 2 | PHD | Photo Diode Cathode vs. GND |
| 3 | T1 | Temp. Sensor 1 vs. GND |
| 4 | GND | |
| 5 | LUF | Supply 800mA 2..24V for fan vs. GND |

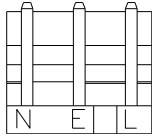
Support & Peltier Connector



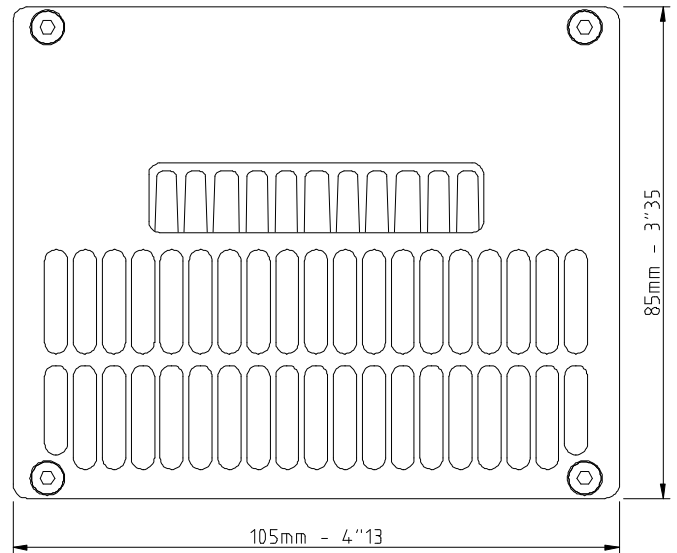
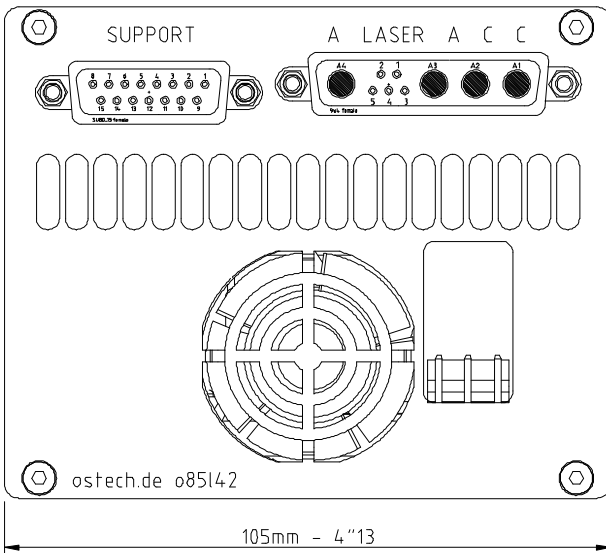
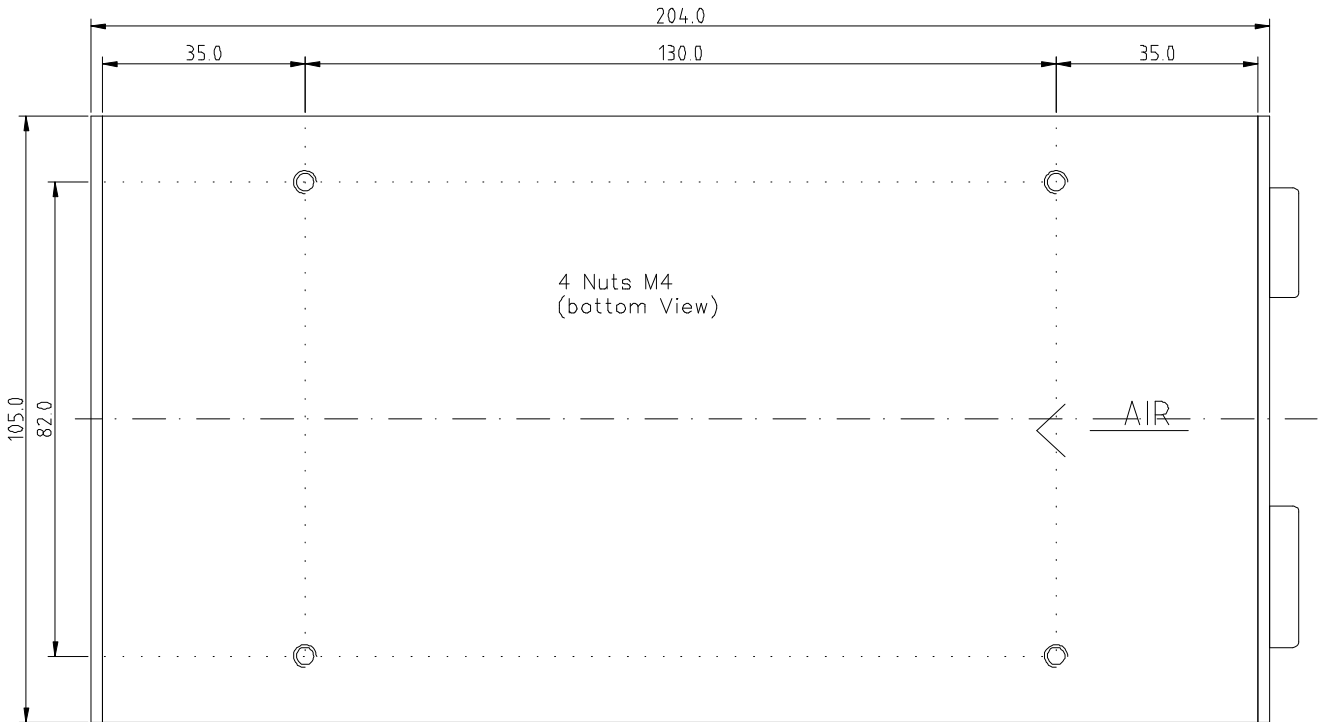
SubD-15 female

| Pin.No | Abbr. | Function |
|----------|--------|--|
| 3 | MOD | Modulation Input |
| 4 | XRX | RS232-RX |
| 5 | XTX | RS232-TX |
| 6 | XGNC | RS232-GND |
| 7;8 | PEL+ | Peltier element (+) if TEC is on Board |
| 11 | MODGND | Modulation GND |
| 12 | GND | Common Ground |
| 13 | ILOCK | Interlock vs. GND |
| 14;15 | PEL- | Peltier element (-) if TEC is on Board |
| 1,2,9,10 | n.c. | may carry Signals depending on Type |
| | SCR | Common Screen |

Mains Connector



MAINS INPUT: 3 Pin, 5.08mm, with Friction Lock, 18-24 AWG
 MOLEX HousingNo:10013036 TerminalNo:8701031



References

<http://www.ostech.de/en/products/laser-drivers/ds11-o80>
<http://www.ostech.de/en/downloads/manuals/ds-en.pdf>
<http://www.ostech.de/en/downloads/labview>

Accessories

- kab-la80-4x4qmm+5x0,14qmm-9w4-oe-2.5m-51
cable 4x4qmm I_{max} 80A SUBD-9W4 and 5x0,14qmm to open ends 2.5m-length
- kab-lpa08-16pol-subd15m-oe-1.5m-39
cable 16x0.35qmm / subd15-Gold-6,5A per pin to open end / length-1m5