

Thorlase Base_plate_LDD_TEC BLDDTEC

Heat spread baseplate for half brick Laser diode drivers and quarter brick TEC

Features

- Mounting for 14-pin butterfly and for 10-pin butterfly
- Threaded screw holes aligning LDD, TEC and laser module
- Through-hole for M6 on 25mm grid for fixing on optical table or breadboard

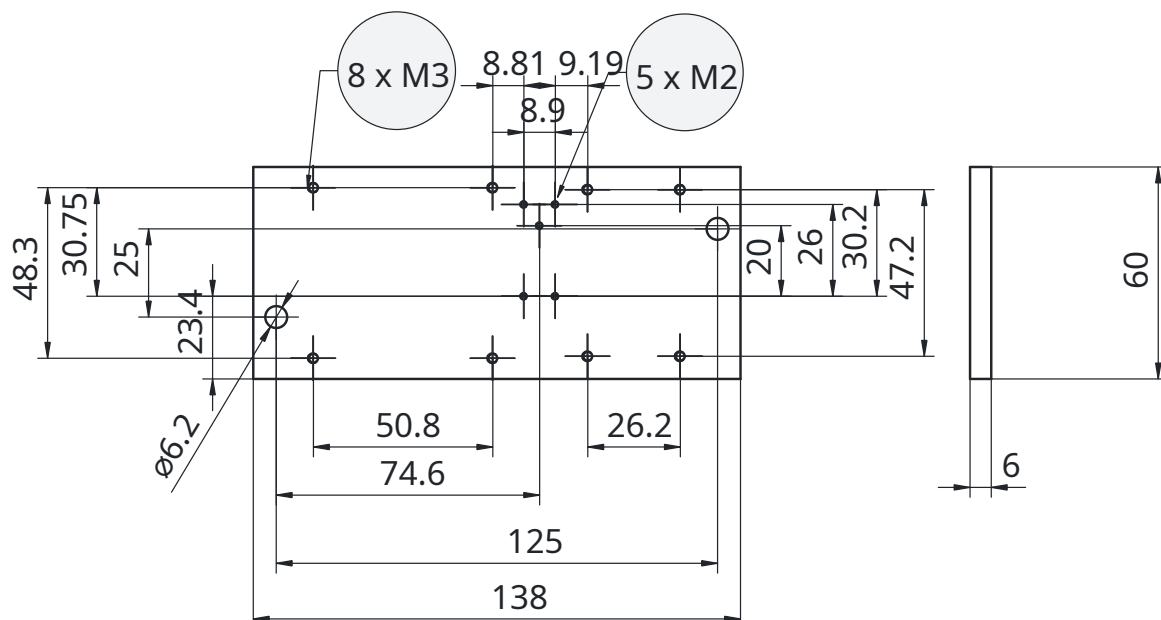
Applications

- Laboratory setups
- R & D
- Proof of concept

Description

The Base_plate_LDD_TEC is an accessory to the Thorlase driver boards. It is a 6 mm thick aluminum heat spread slab. The grid of threaded holes align the LDD and TEC with 10-pin or 14-pin fiber pigtailed butterfly laser modules. Two through-holes for M6 allow mounting on breadboard or optical table.

Drawing (mm)

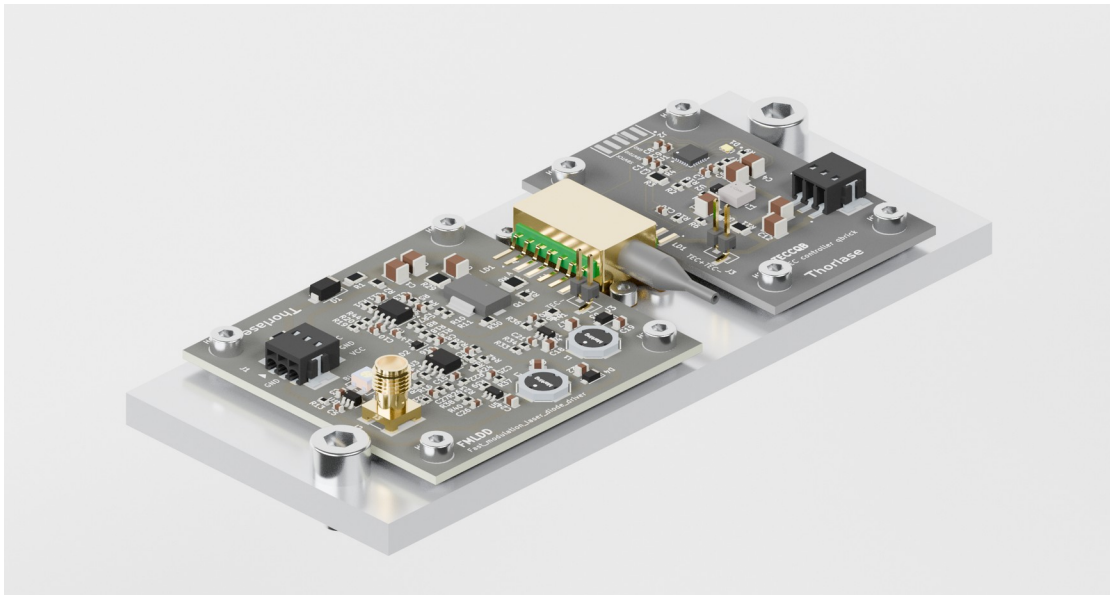


Application Information

The purpose of the baseplate is the conduct heat generated by the boards and the laser module to a heat sink. It is recommended to mount the boards close to the baseplate, e.g. with 1 mm spacers. A

gap pad should be placed under the most heating electronic components. Example mounting accessories can be found below.

Mounting suggestion



The picture shows the baseplate (BLDDTEC) with Fast_modulation_laser_diode_driver (FMLDD) board and TEC-controller_qbrick (TECCQB) and a typical 14-pin laser diode module.

List of accessories

This is a list of accessories that are not included in the kit but are often used together with the kit.

Description	Supplier	Mfr. Part No.
GAP PAD 2.54 mm	BERGQUIST	GPVOUS-0.100-01-0816
Spacers 2mm, 3.2 ID	RAF Electronic Hardware	M0501-3-AL
Socket head screw M3 x 6 mm		
Socket head screw M2 x 4 mm		

Document control

Version	Apply to	Data
Base_plate_LDD_TEC_r1	TEC-controller-qbrick_V1r2	20261030