



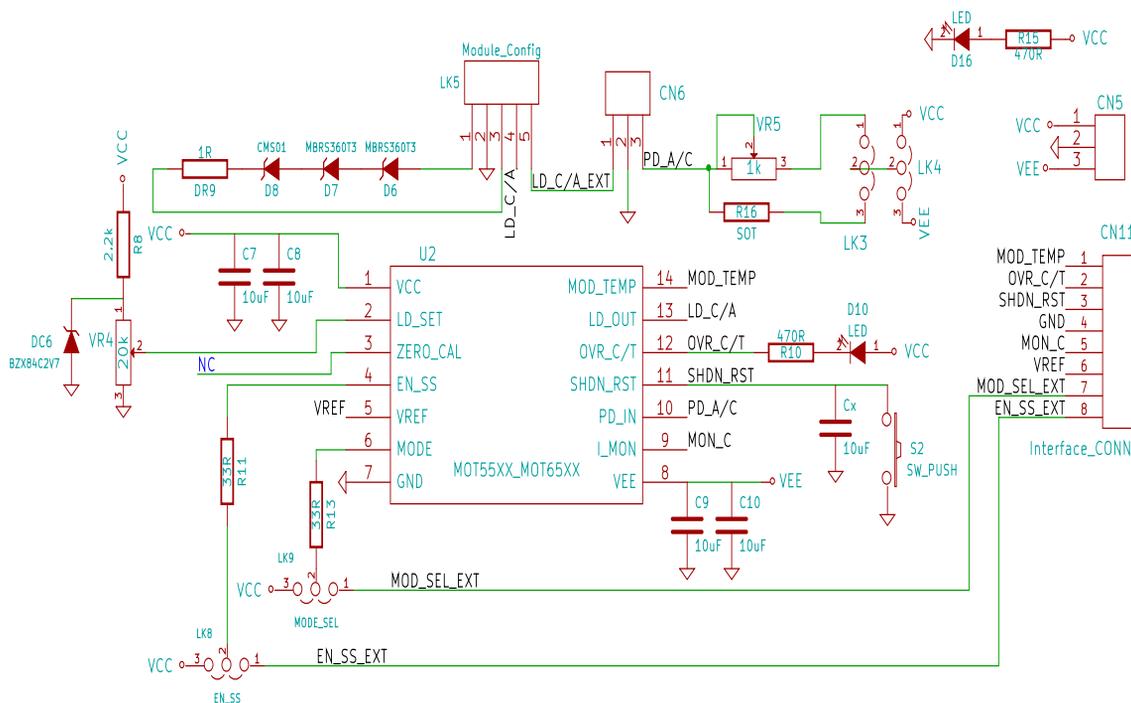
- Fully assembled OEM board for MOT5550GC, MOT5550GA, MOT6550GC/CC/GA/CA laser driver modules.
- 250mA, 500mA, and 1000mA current ratings.
- It can easily be integrated into customer systems.
- Interface connector allows connection to the host system for control and configurations.
- User customizable, on-board or via external connections



Description

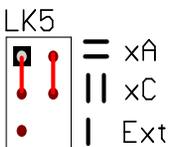
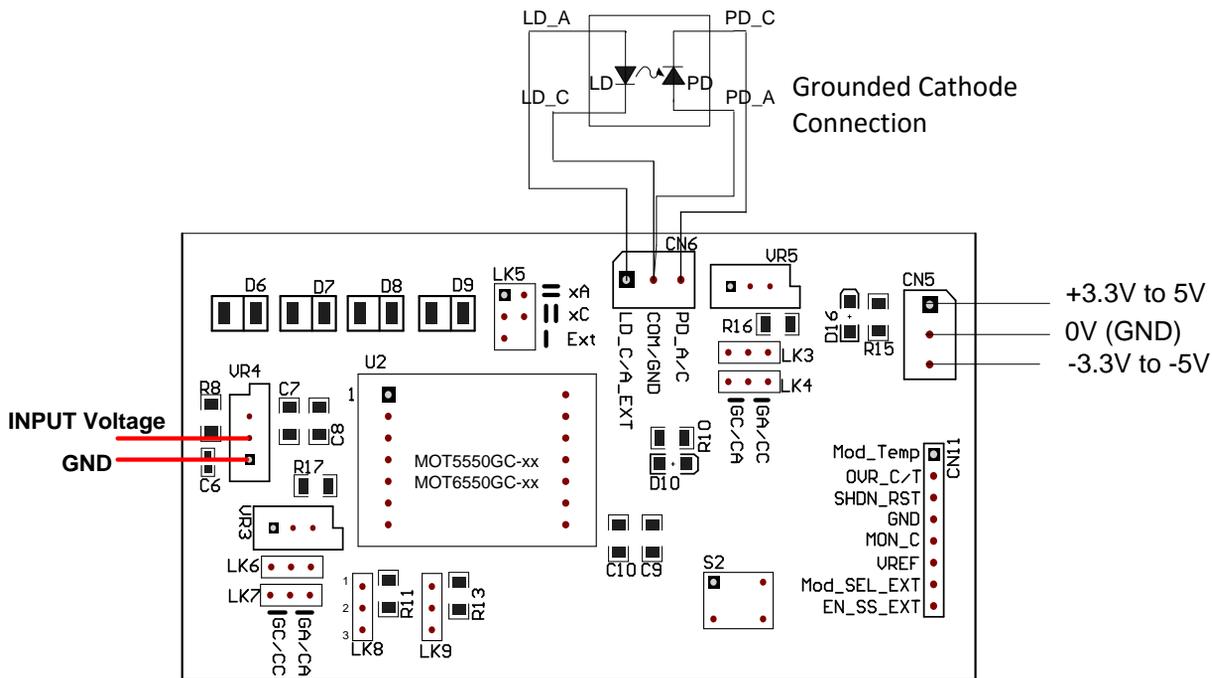
The MOT600_OEM boards is a fully assembled OEM board ready to be integrated into your system. Connection points are provided on the edges of the board to directly wire connections to the power supply, Laser, and system host processor for external monitoring and control signals.

Schematic

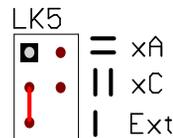




Board Connections to the Laser & Power Supply:



LK5 Configured for GC modules Using Dummy load on board (i.e. D7, D8, D9 & D6 replaced with a 1Ω resistor). Measure the voltage across the 1Ω resistor this voltage is equal to the current through the dummy load.



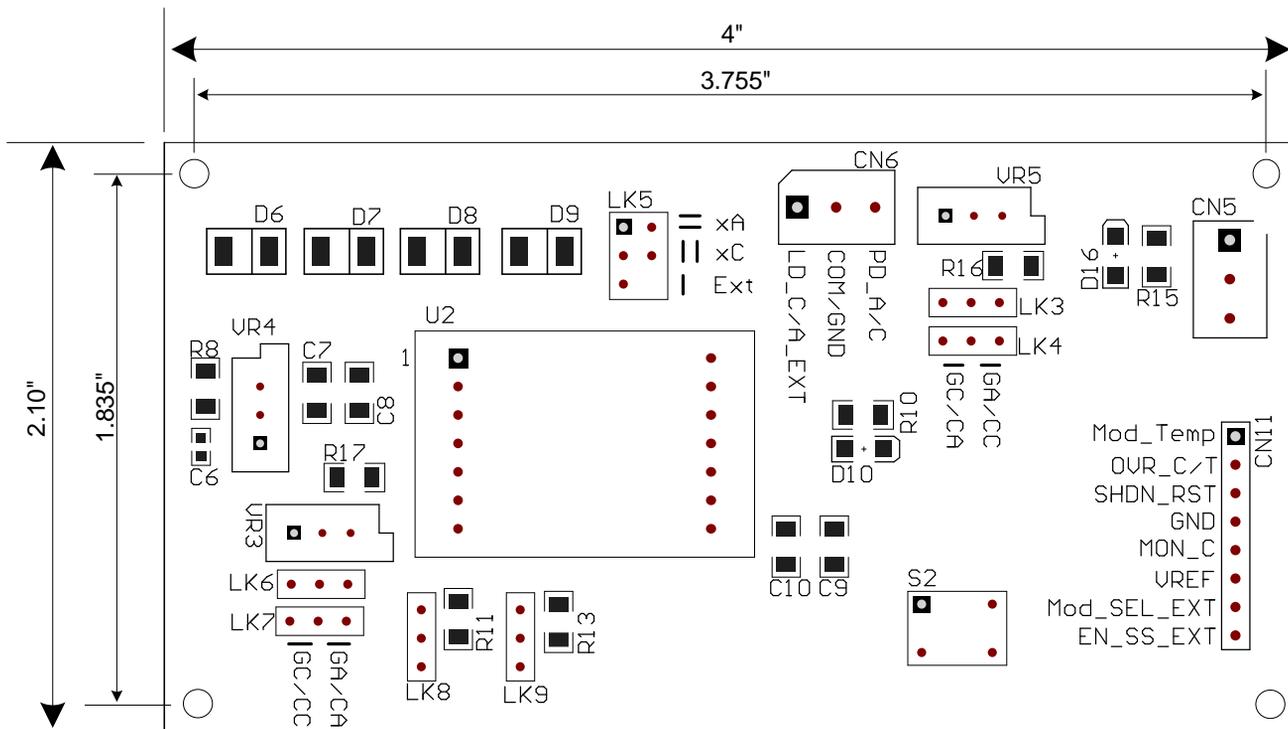
LK5 Configured for using External Laser

- LK8:** Enable Soft Start (EN_SS). No link module is enabled. Link between 1 & 2 to disable the module. Link between 2 & 3 to allow microcontroller to control the module using CN11 pin "EN_SS_EXT".
- LK9:** Mode Select. No link module is in constant current mode (CC). Link between 1 & 2 for constant power (CP). Link between 2 & 3 to allow microcontroller to control the module using CN11 pin "Mode_SEL_EXT".

Modules are factory calibrated for the specified supply voltage and installed. Refer to MOT600_xxGC user guide for a comprehensive detail information. VR3, LK6, LK7, and R17 are not used. For Constant Current applications VR5, R16, LK3, and LK4 are not installed.



Board Dimensions



Available Part #s: For GA configurations replace GC with GA in part numbers.

Part #	Max. Output Current	Power Supply
MOT600_25GC_CC*	250mA constant current GC laser driver OEM board	Single
MOT600_50GC_CC	500mA constant current GC laser driver OEM board	Single
MOT600_100GC_CC	1000mA constant current GC laser driver OEM board	Single
MOT600_25GC_CP*	250mA dual mode GC laser driver OEM board	Single
MOT600_50GC_CP	500mA dual mode GC laser driver OEM board	Single
MOT600_100GC_CP	1000mA dual mode GC laser driver OEM board	Single

Contact Information:

Modular One Technology
 5902 Wessex Court
 Parker TX 75002

Phone: 214-566-3708
 Email: info@modularonetechnology.com
 Web: www.modularonetechnology.com