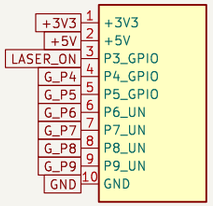
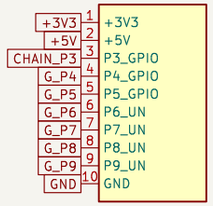
CONNECTORS

J1



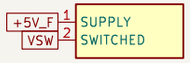
X IN

J2



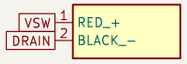
X CHAIN

J3



INTERLOCK / KEY

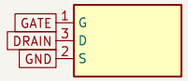
J4



LASER MODULE

SWITCHES AND DRIVERS

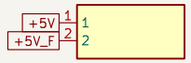
Q1



AO3400A

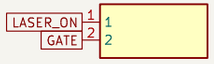
PASSIVES AND INDICATORS

F1



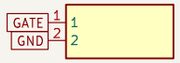
PTC 0.5A

R1



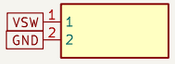
100R

R2



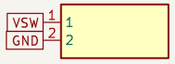
10k

C1



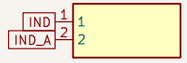
10uF 10V X5R

C2



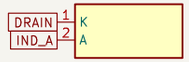
100nF 16V X7R

R3



1k

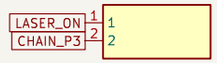
D1



RED

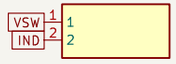
SOLDER LINKS

JP3



CHAIN P3 OPEN

JP20



LED

TEST PADS

TP1



+5V

TP2



GND

TP3



GATE

TP4



DRAIN

Gate high and J3 closed = laser on.

Class II (Class 2) module only.

Open hardware
License: CERN-OHL-S-2.0

Smoothieware extension boards

Sheet: /

File: laser-emitter-board.kicad_sch

Title: Laser Light Emitter

Size: User	Date: 2026-11-26	**Rev: v01**
KiCad E.D.A. 9.0.8		Id: 1/1