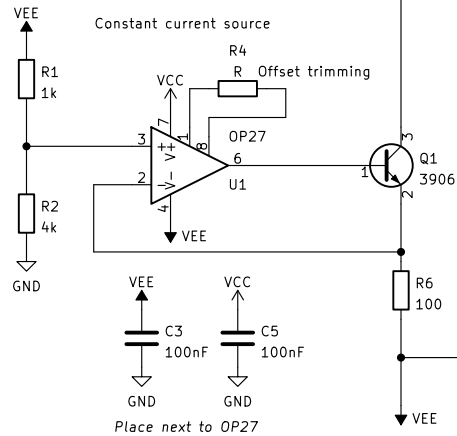
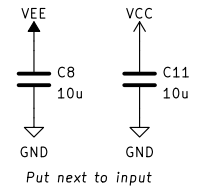
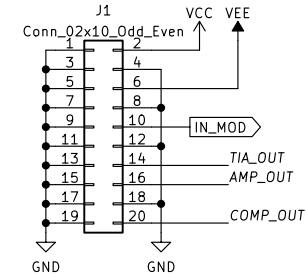


Setpoint of 10mA
= Voltage divider output of -4V



Laser diode used : ADL-65052TL
Anode grounded type, explaining the current source configuration.
650nm (red), P_o = 5mW, I_FD = 10mA, L_th = 15-20mA

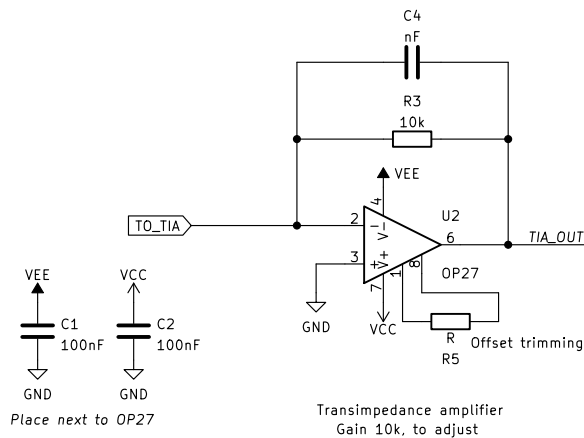
TO_TIA
Ireverse = 50uA



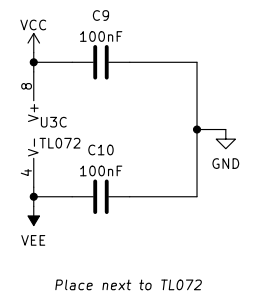
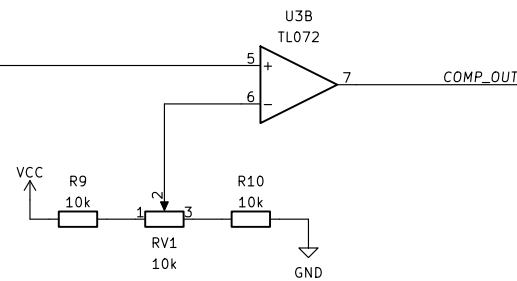
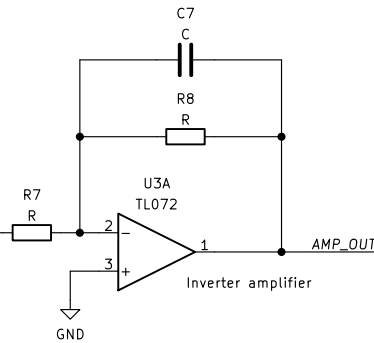
Place next to OP27

AC coupled, 100Hz-

IN_MOD



Chose R/C for frequency response and gain in testing



Every period is one more wavelength gone by :
count the number of period with a counter and get the distance.

$$d = N_{\text{periods}} * \lambda$$

Sheet: /
File: cao_banc_essai.kicad_sch

Title: Laser experiment

Size: A4
KiCad E.D.A. kicad (6.0.0)

Date: / /
Rev: 2
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