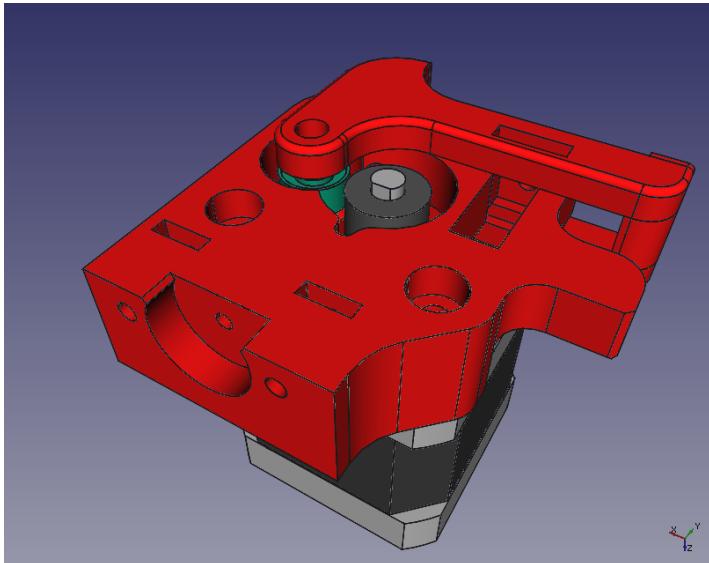


Alexandre Aravecchia

Design Industrial



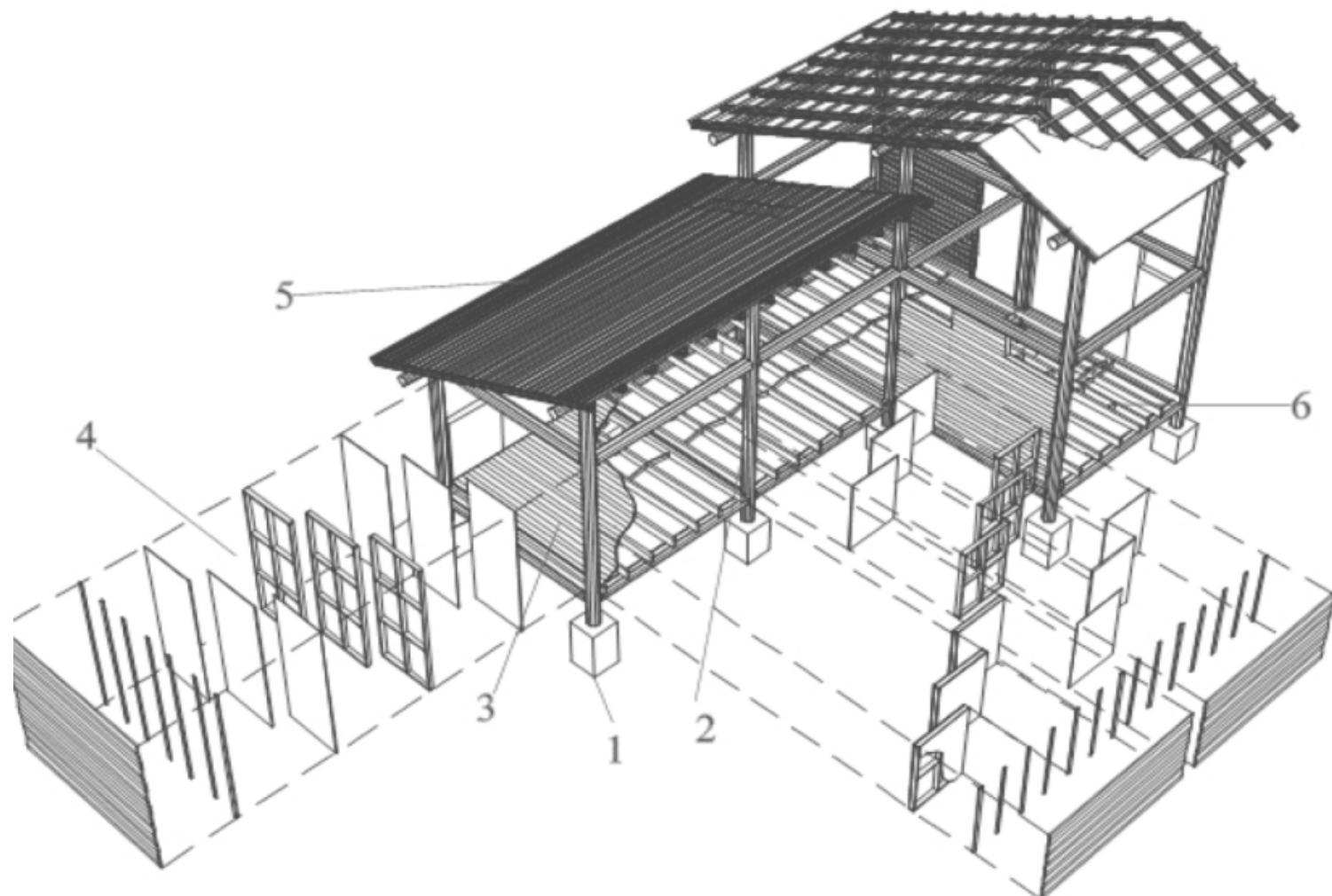
**MAKER
HERO**



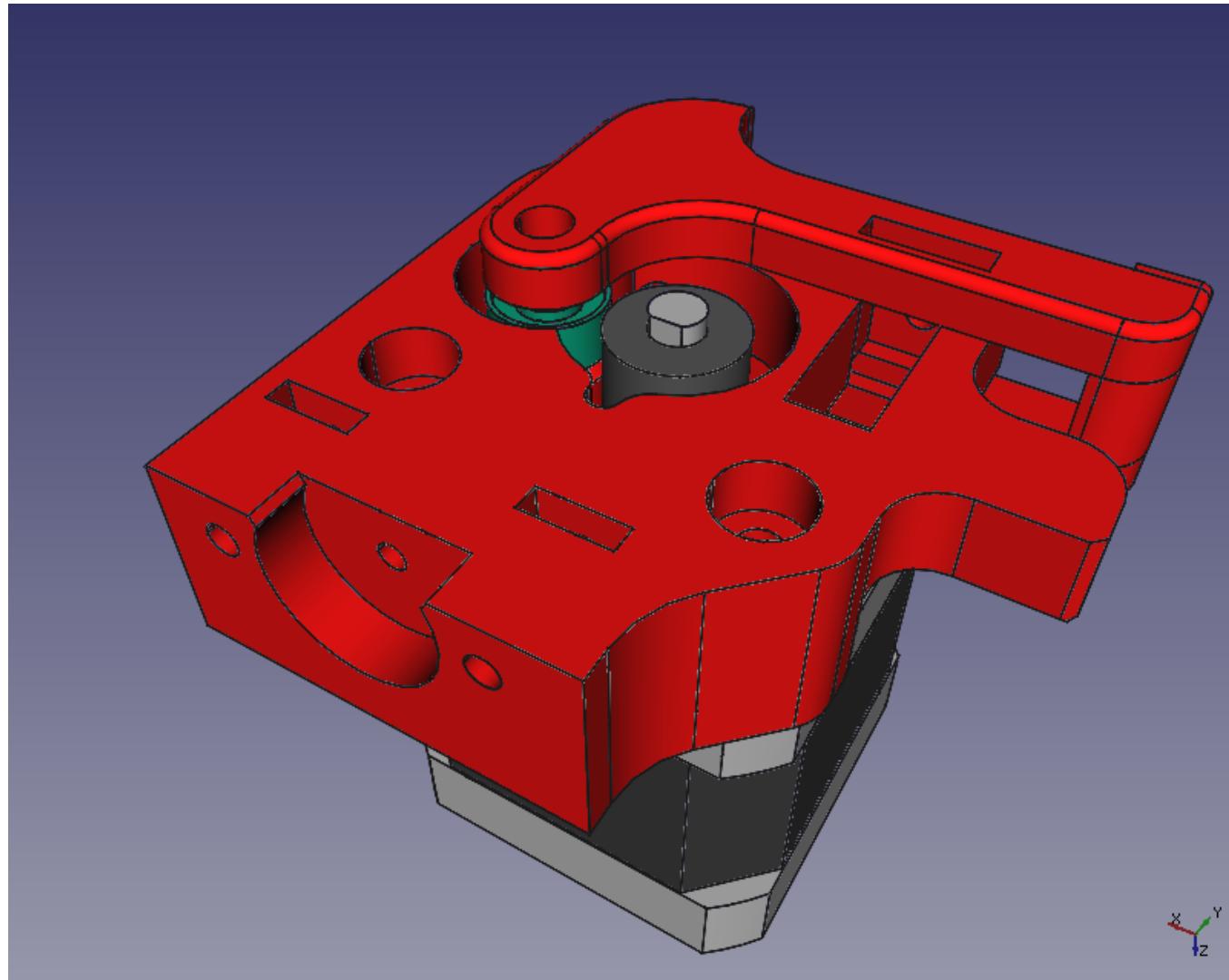
(16) 9 8164 5723 

aravecchia@gmail.com 

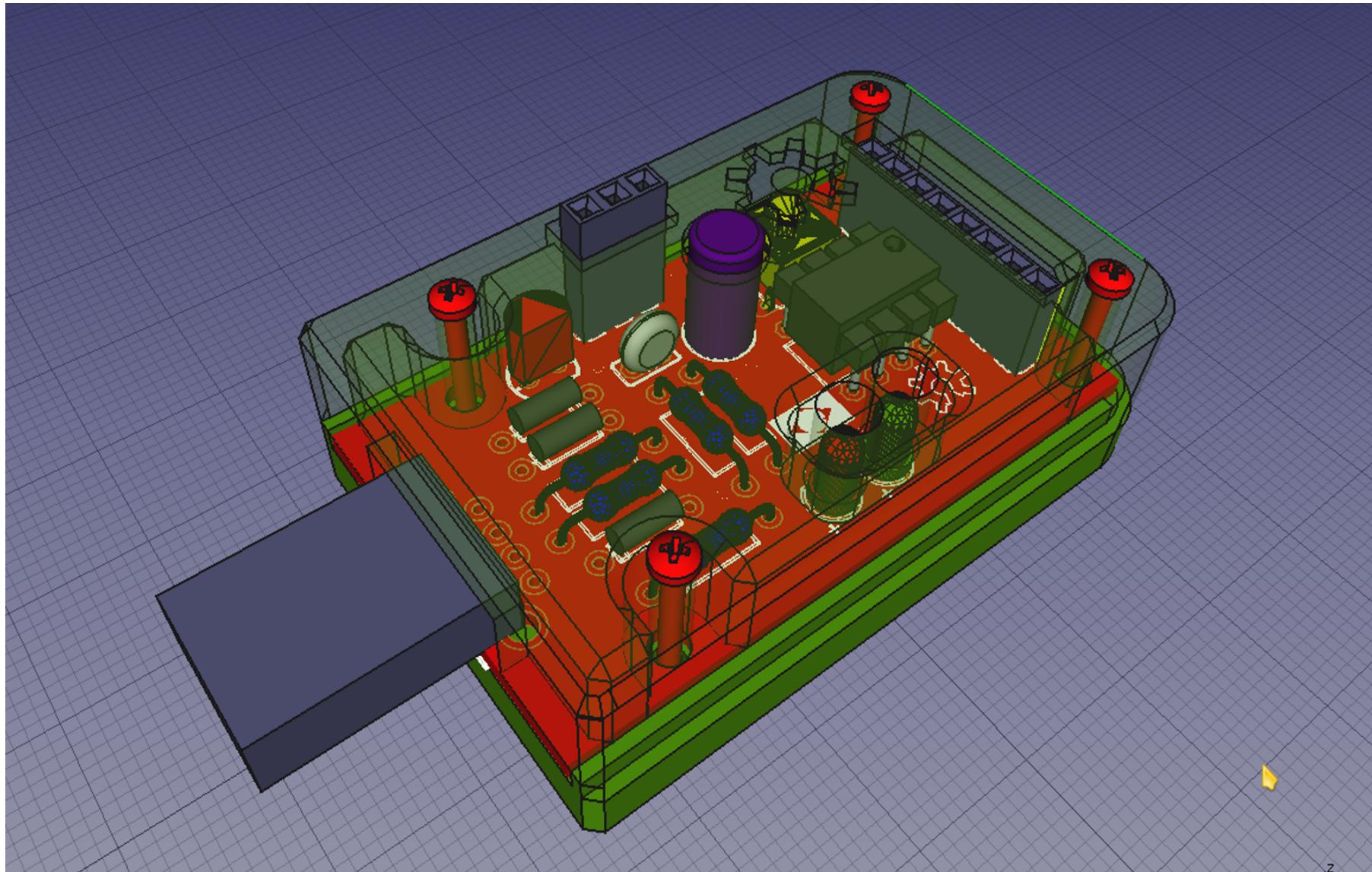
Casa do Horto Florestal - UFSCar - 1995



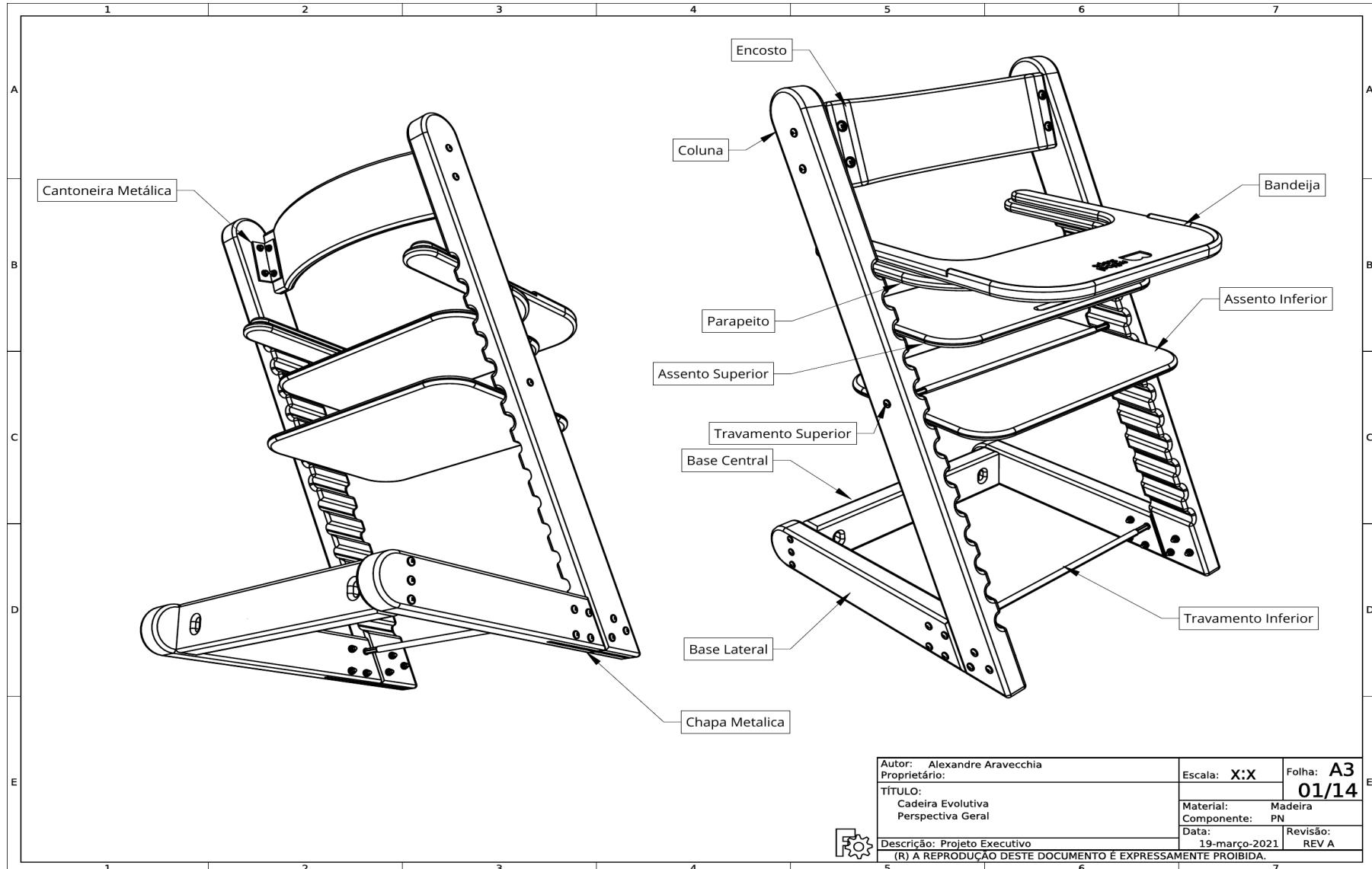
AT-486dx2 - MSDOS 6.0 - AutoCAD R.12



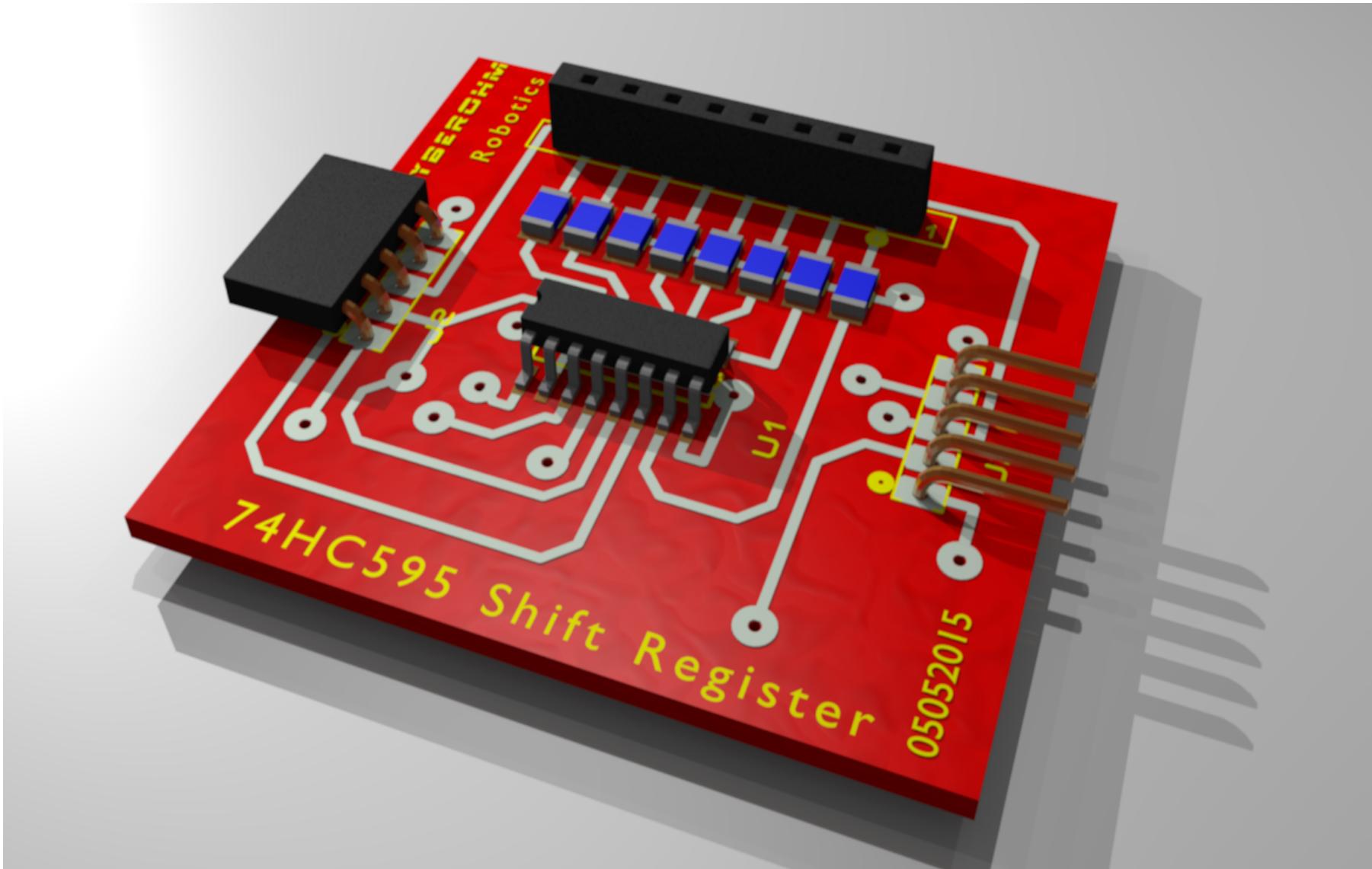
Mecanismo extrusor para impressora 3D



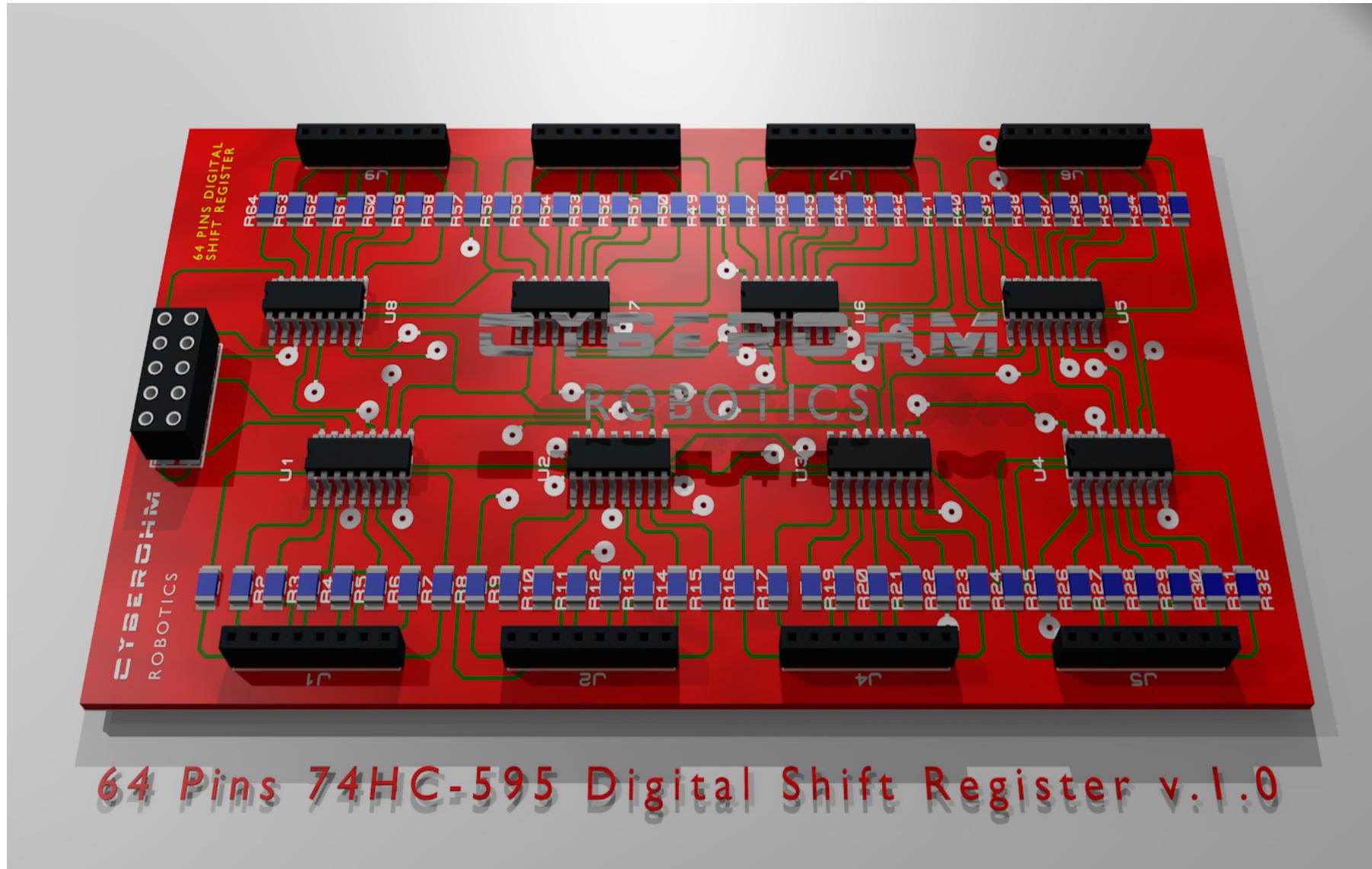
Case para projeto Franzininho



Cadeira Montessoriana ajustável, parametrizada



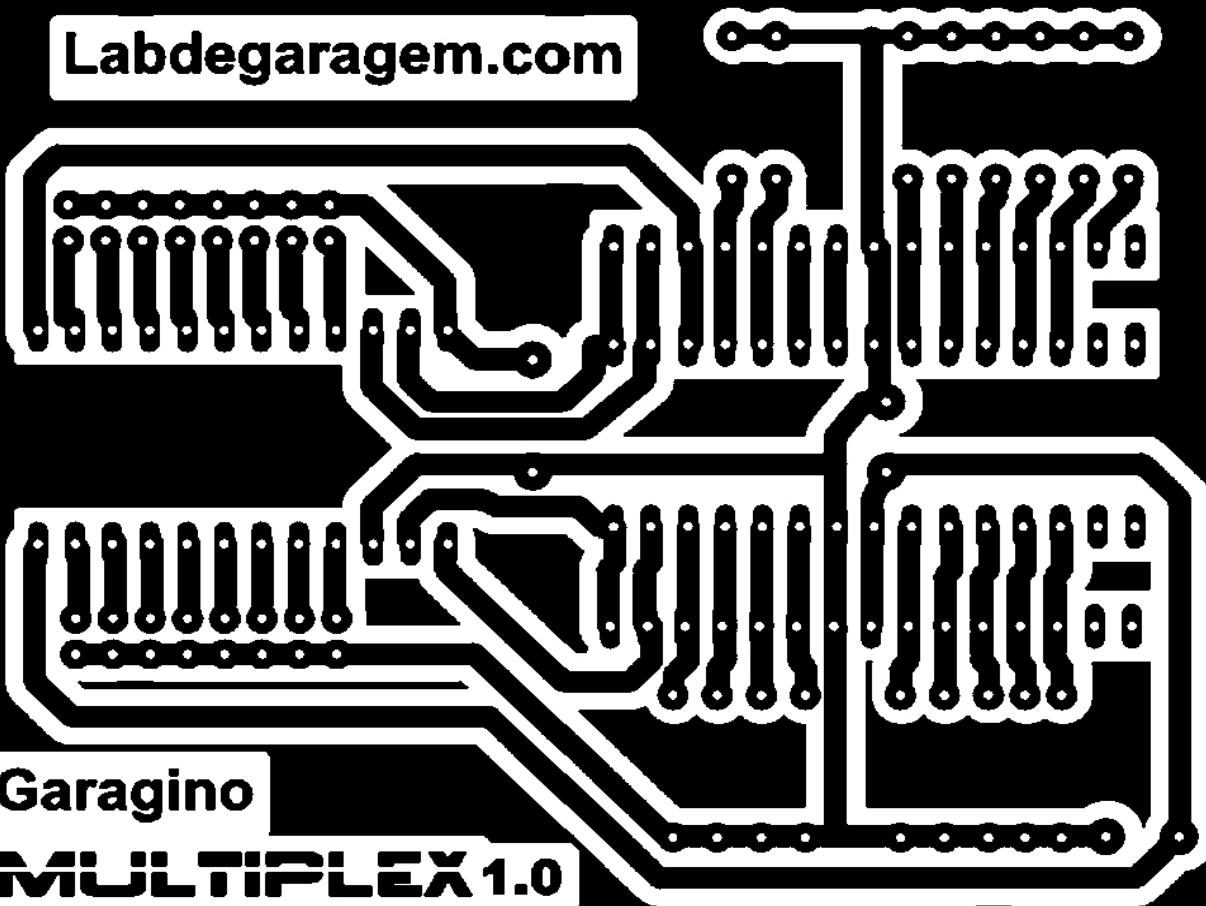
Expansor de portas 74HC595 de 8 bits



Expansor de portas 74HC595 de 64 bits

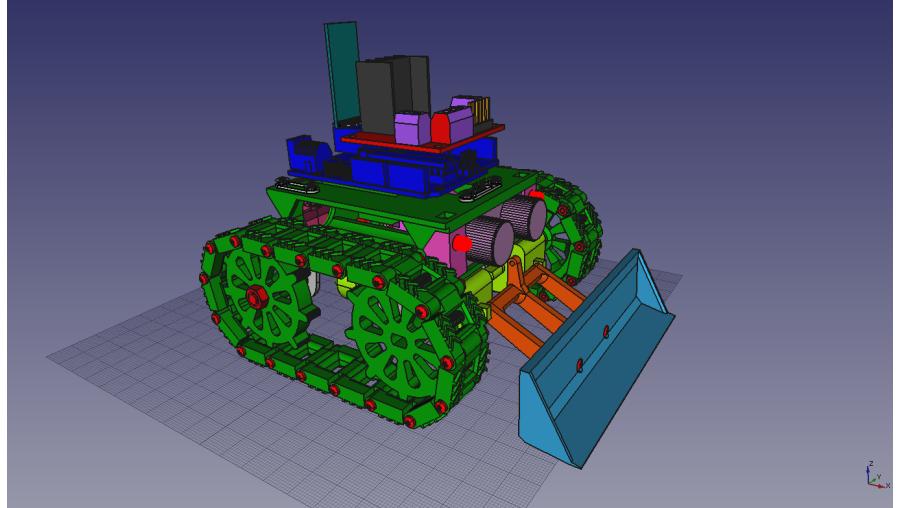
C Y B E R O U M . C O M

Labdegaragem.com

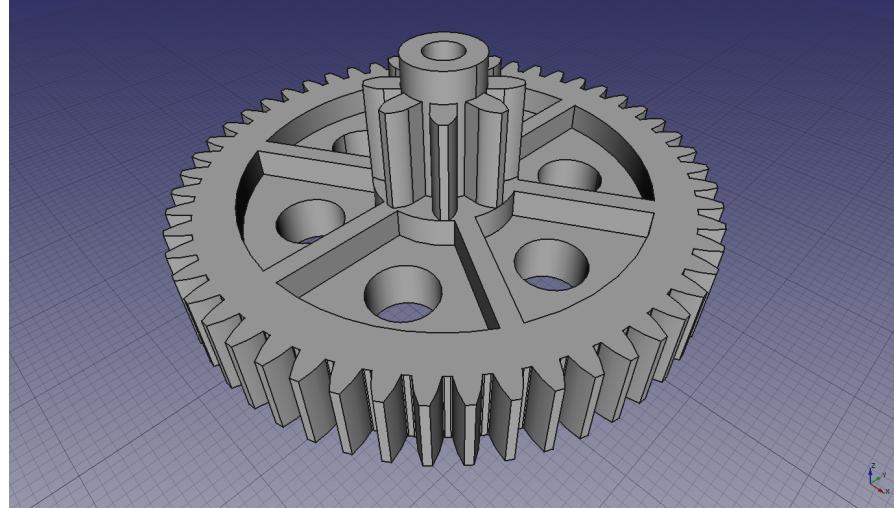


Garagino
MULTIPLEX 1.0

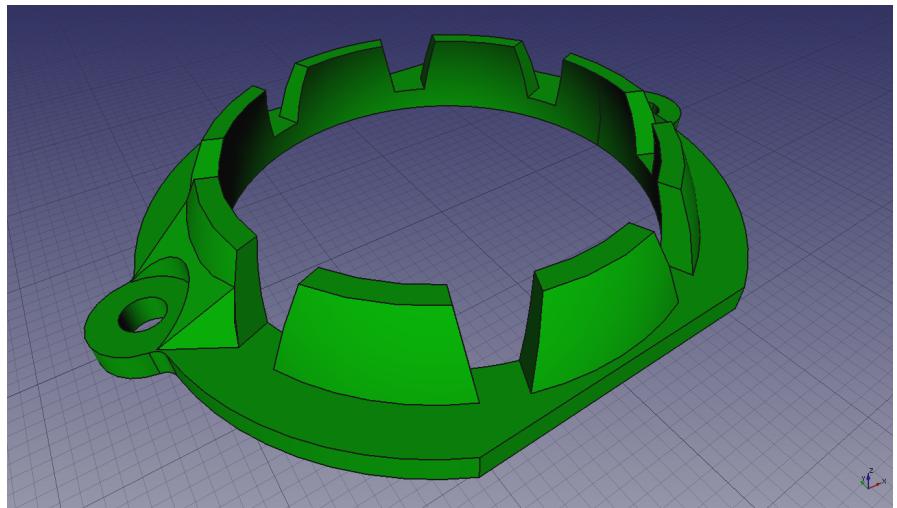
Shield expensor para placa Garagino



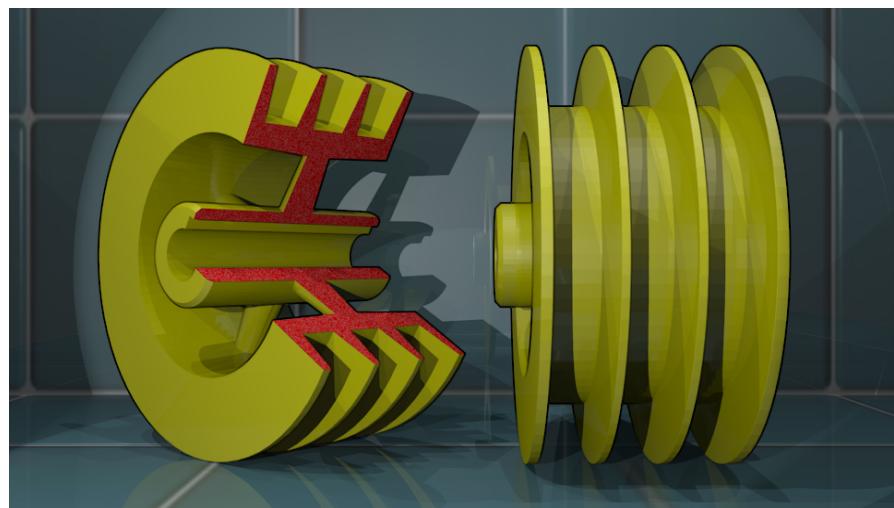
Robô Educacional



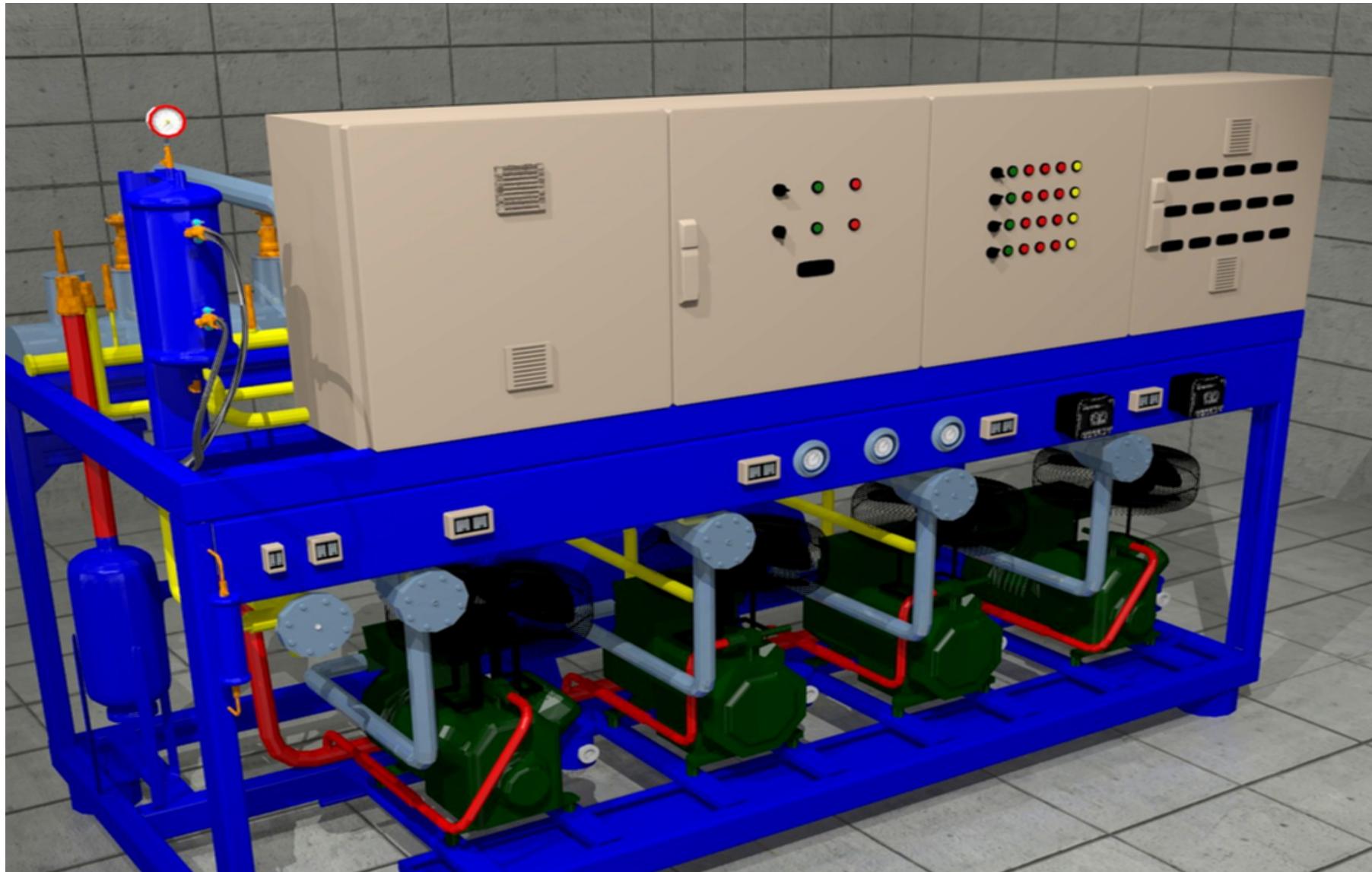
Engrenagem



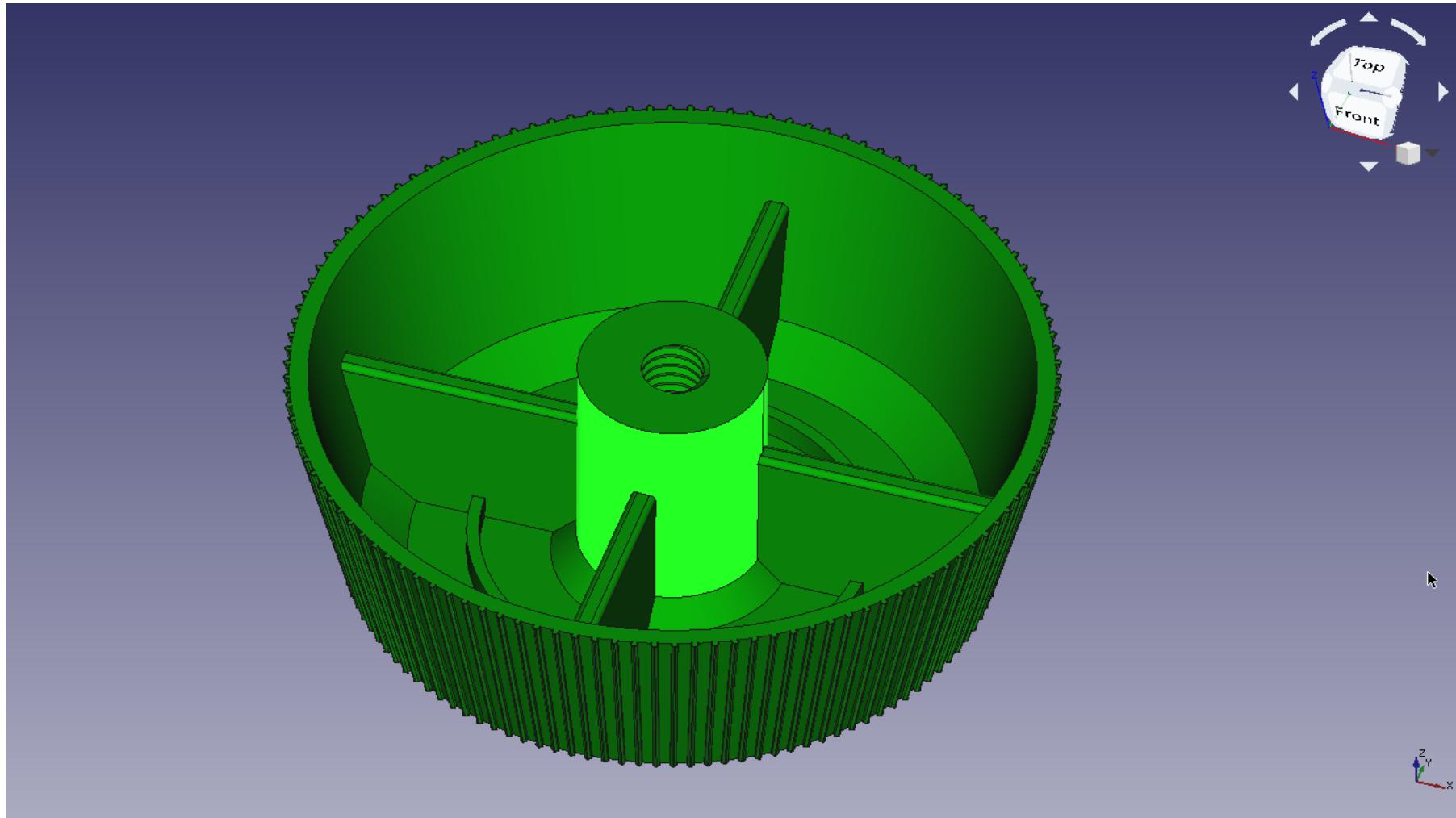
Peça de reposição automotiva



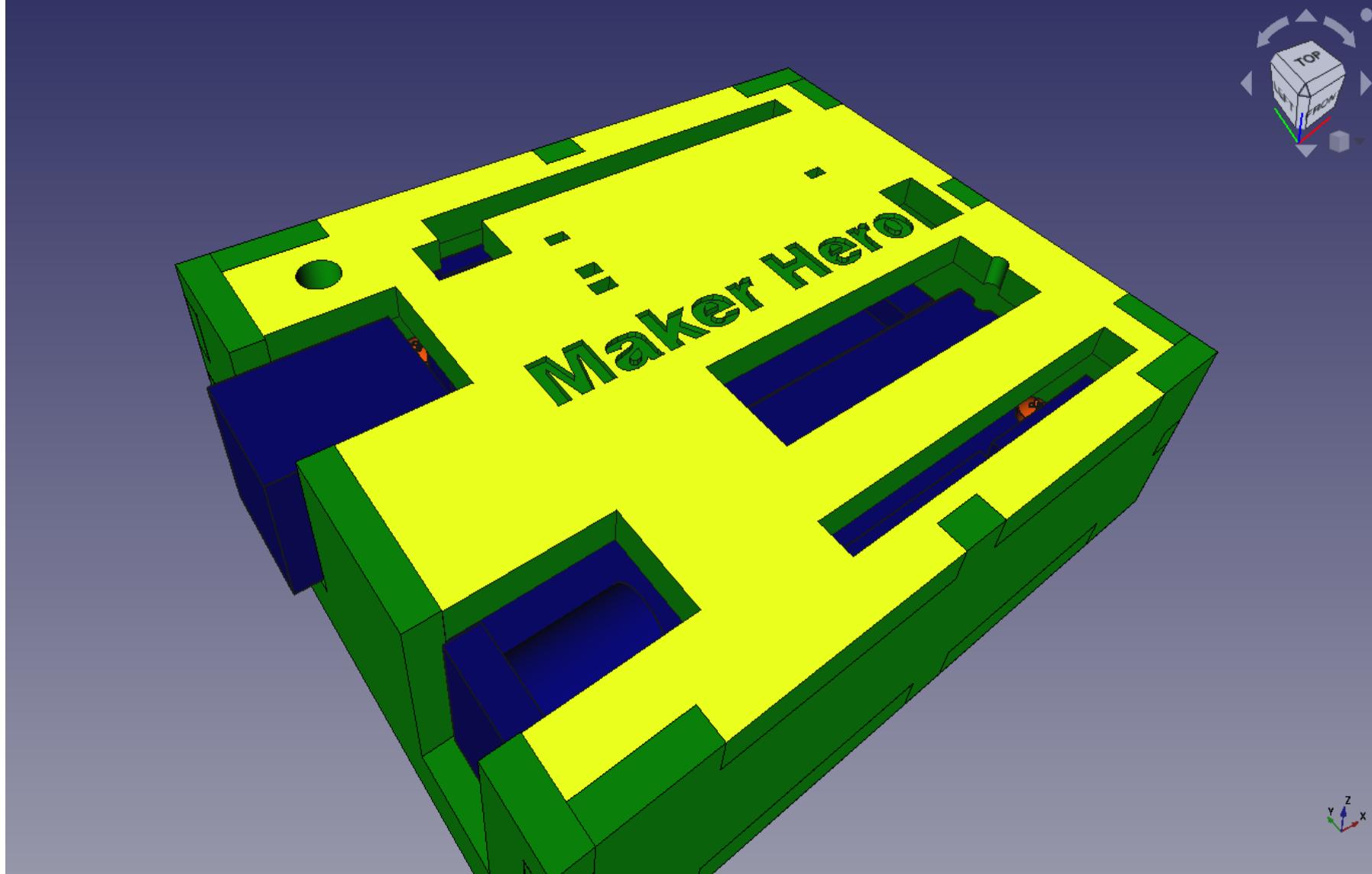
Polia



Sistema de refrigeração industrial



Peça de reposição mecânica



Caixa de proteção para Arduino, parametrizada.



Alexandre Aravecchia

6.1 Alimentação externa

Alimentação de transistores:
Alimentação de resistores.

$L1$ 12V
 2200mm

$R1$

Verificação direta:

- ✓ Verificar se o Arduino suporta I_B :
$$I_B = \frac{I_C}{\beta}$$
- ✓ Verificar a corrente I_{MAX} no coletor:
$$I_C = \frac{V_{CC} - V_T}{R_C}$$
- ✓ Calcular R_B diretamente:
$$R_B = \frac{V_B * \beta * R_C}{V_{CC} - V_T}$$
- ✓ Potência no emissor:
$$P_E = (V_{CC} - V_T) * (I_C + I_B)$$

Palestras e oficinas:

Latinoware

Campus Party

FLISoL

FGSL

FILS

TheDevConf