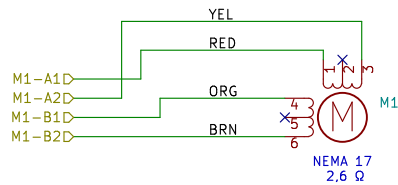
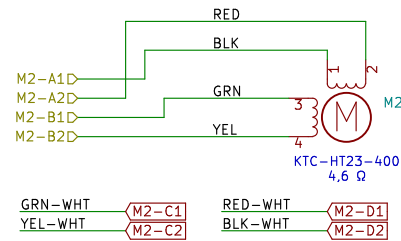


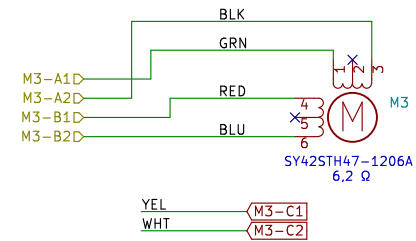
M1 – Base (Rz)



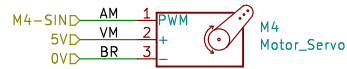
M2 – Ombro (Rx1)



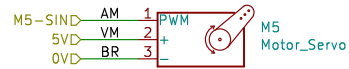
M3 – Antebraço (Rx2)



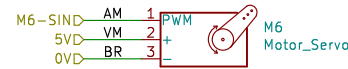
M4 – XXX



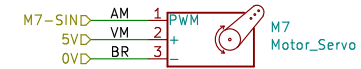
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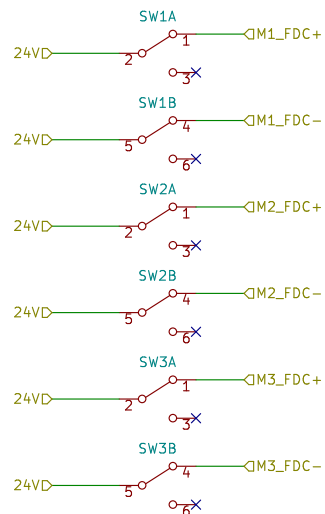
M6 – XXX



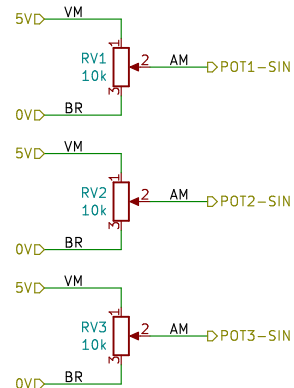
M7 – Garra



Chaves fim de curso



Potenciômetros



Bruno Rafael Pires de Camargo
Lucas Melaré
Rafael Giarretta Falcaro
Rubens Lima

SENAI "Roberto Mange"

Sheet: /BTIBR-Robo/
File: BTIBR-Robo.sch

Titre: Bancada de Testes Integrada com Braço Robótico

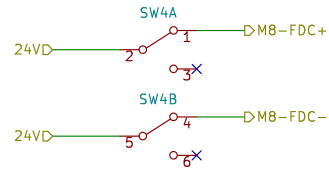
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KiCad E.D.A. eeschema (5.1.9)-1

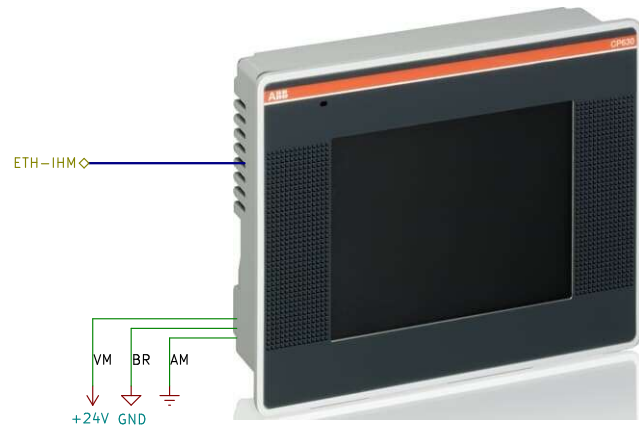
Rev: 3.3

Id: 2/9

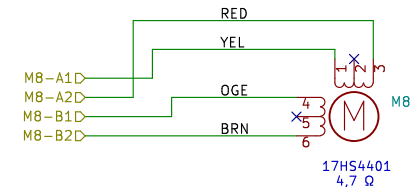
Chaves fim de curso



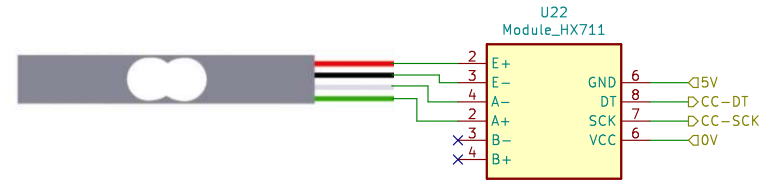
IHM ABB CP630



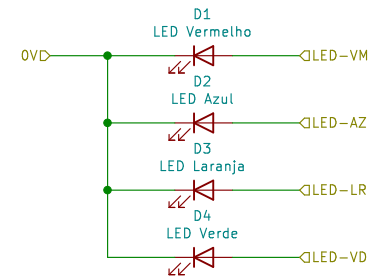
M8 – Fuso de Esferas



Célula de Carga e Amplificador



Poste Luminoso



Bruno Rafael Pires de Camargo
Lucas Melaré
Rafael Giaretta Falcato
Rubens Lima

SENAI "Roberto Mange"

Sheet: /BTIBR-Bancada/
File: BTIBR-Bancada.sch

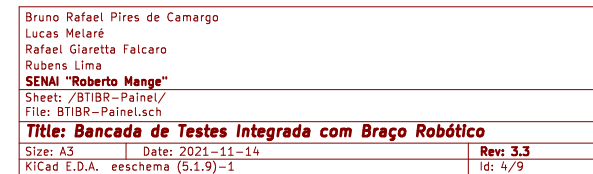
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Size: A4 Date: 2021-11-14

KiCad E.D.A. eeschema (5.1.9)-1

Rev: 3.3

Id: 3/9



6EP1331-5BA10

ALIMENTAÇÃO-REDE▷



▷24V-FONTE-2

▷0V-FONTE-2

▷PE-FONTE-2

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Rafael Giaretta Falcaro
Rubens Lima

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Sheet: /BTIBR-Painel/BTIBR-Fonte-2/

File: BTIBR-Fonte-2.sch

Title: Bancada de Testes Integrada com Braço Robótico

Size: A4

Date: 2021-11-14

Rev: 3.3

KiCad E.D.A. eeschema (5.1.9)-1

Id: 5/9

KP-522 500W

ALIMENTAÇÃO-REDE



▷12V-FONTE-1

▷5V-FONTE-1

▷0V-FONTE-1

▷PE-FONTE-1

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Lucas Melaré
Rafael Giaretta Falcão
Rubens Lima

SENAI "Roberto Mange"

Sheet: /BTIBR-Painel/BTIBR-Fonte-1/
File: BTIBR-Fonte-1.sch

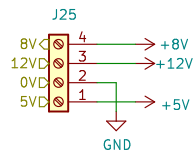
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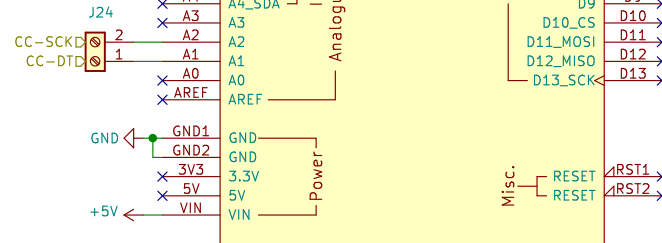
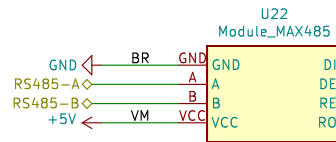
Rev: 3.3

KiCad E.D.A. eeschema (5.1.9)-1

Id: 6/9

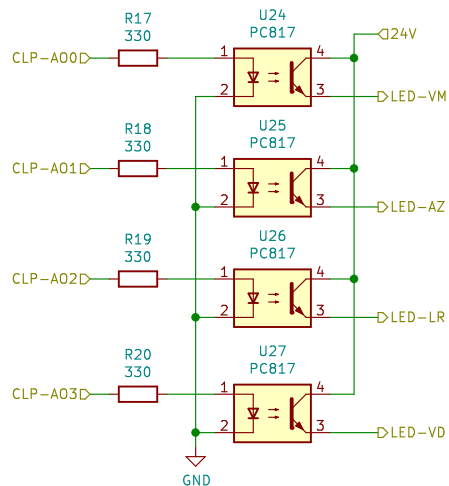


Arduino Nano

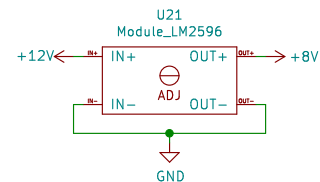


U23
Arduino_Socket_Nano

Poste Luminoso

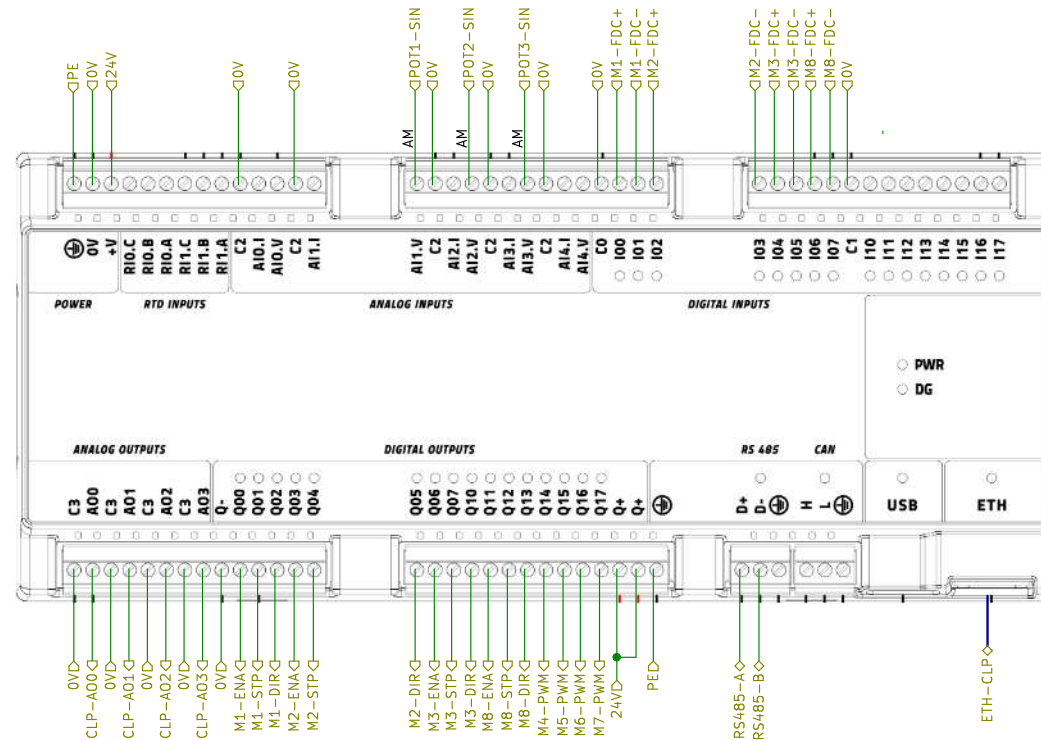


Regulação 8V (Motor 3)



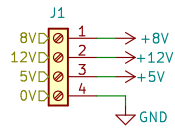
| | | |
|--|------------------|----------|
| Bruno Rafael Pires de Camargo | | |
| Lucas Melaré | | |
| Rafael Giarretta Falcaro | | |
| Rubens Lima | | |
| SENAI "Roberto Mange" | | |
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| Size: A4 | Date: 2021-11-14 | Rev: 3.3 |
| KiCad E.D.A. eeschema (5.1.9)-1 | | Id: 7/9 |

Altus XP340

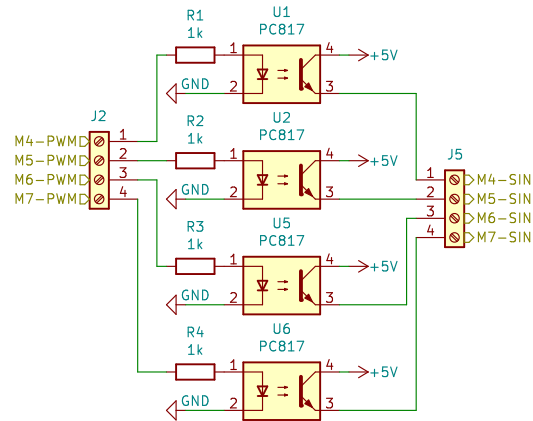


| | | |
|--|------------------|----------|
| Bruno Rafael Pires de Camargo | | |
| Lucas Melaré | | |
| Rafael Giarretta Falcaro | | |
| Rubens Lima | | |
| SENAI "Roberto Mange" | | |
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| File: BTIBR-CLP.sch | | |
| Title: Bancada de Testes Integrada com Braço Robótico | | |
| Size: A4 | Date: 2021-11-14 | Rev: 3.3 |
| KiCad E.D.A. eeschema (5.1.9)-1 | | Id: 8/9 |

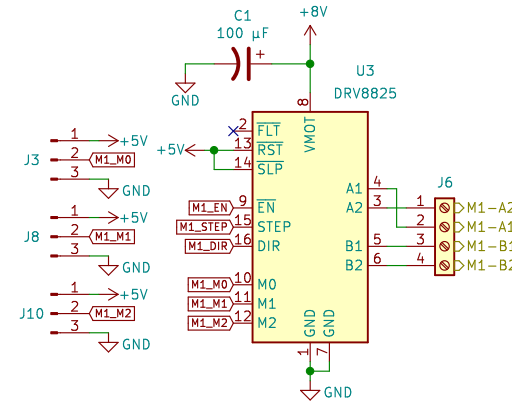
Alimentação



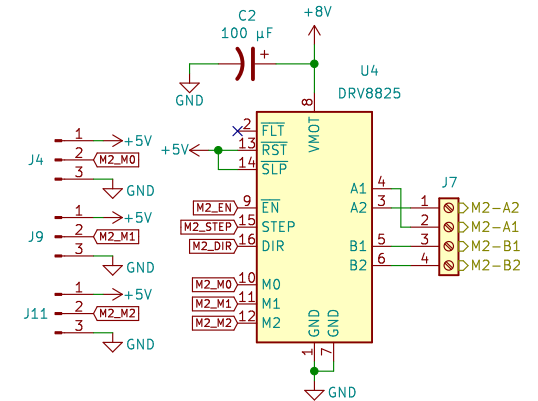
Optoacopladores CLP→Seros



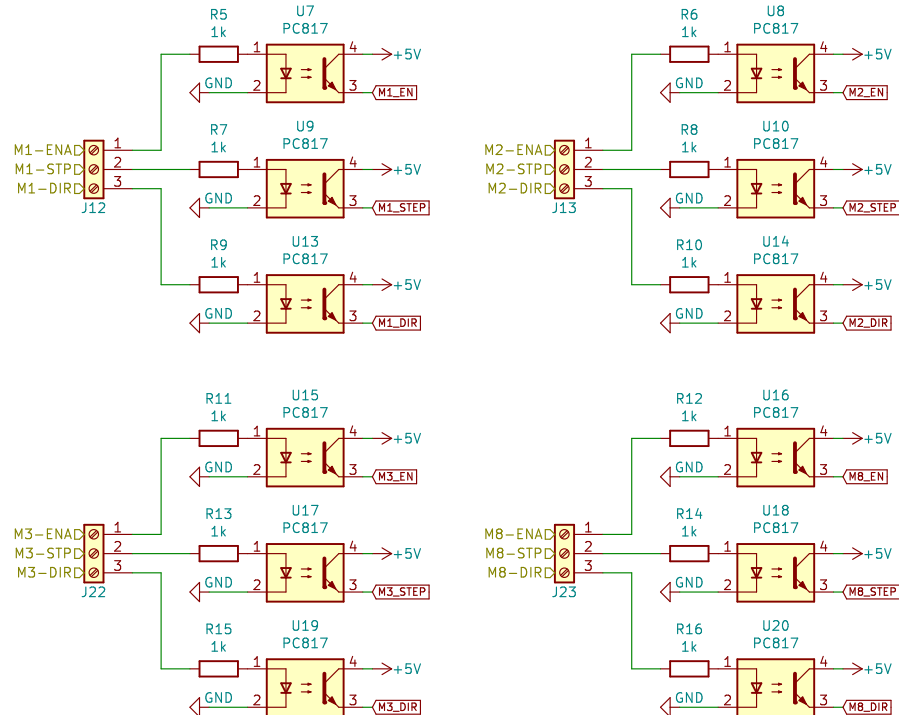
M1 – BASE (Rz)



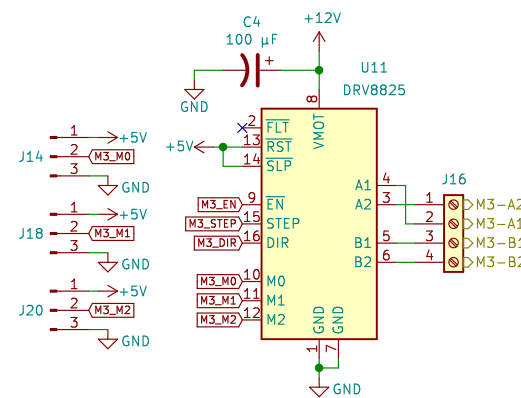
M2 – OMBRO (Rx1)



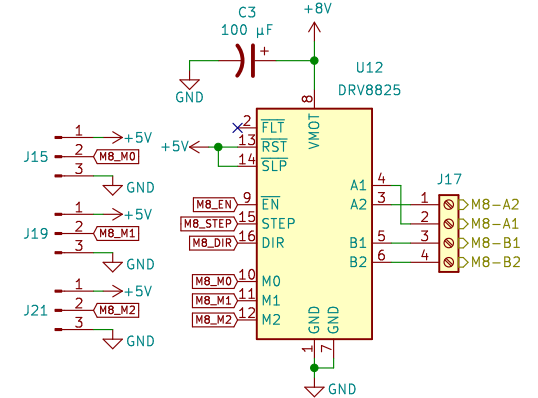
Optoacopladores CLP→Drivers



M3 – ANTEBRAÇO (Rx2)



M8 – FUSO DE ESFERAS



Bruno Rafael Pires de Camargo
Lucas Melaré
Rafael Giarretta Falcaro
Rubens Lima

SENAI "Roberto Mange"

Sheet: /BTIBR-Painel/BTIBR-PCB/
File: BTIBR-PCB.sch

Title: Bancada de Testes Integrada com Braço Robótico

Size: A4 Date: 2021-11-14

KiCad E.D.A. eeschema (5.1.9)-1

Rev: 3.3

Id: 9/9