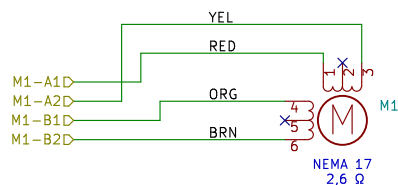
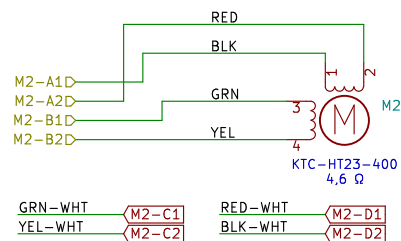


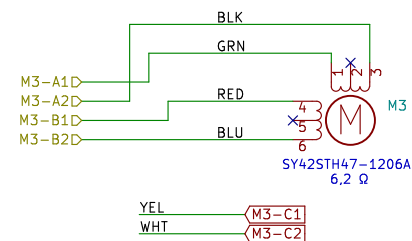
M1 – Base (Rz)



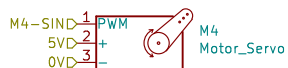
M2 – Ombro (Rx1)



M3 – Antebraço (Rx2)



M4 – XXX



M5 – XXX



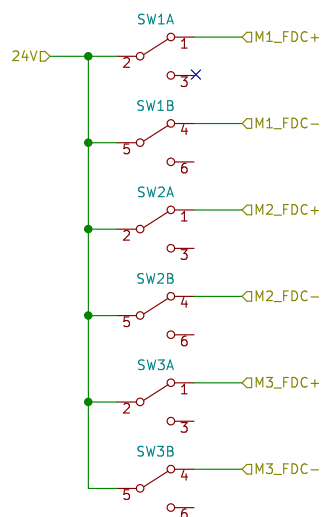
M6 – XXX



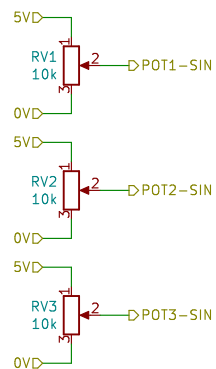
M7 – Garra



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

**Title: Bancada de Testes Integrada com Braço Robótico**

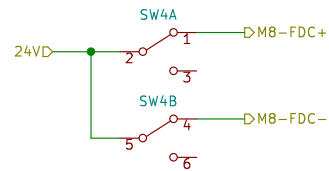
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KiCad E.D.A. kicad (5.1.9)-1

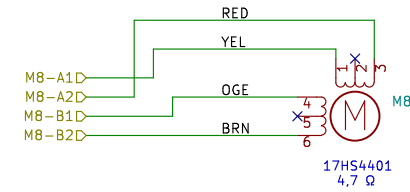
**Rev: 3.2**

Id: 2/9

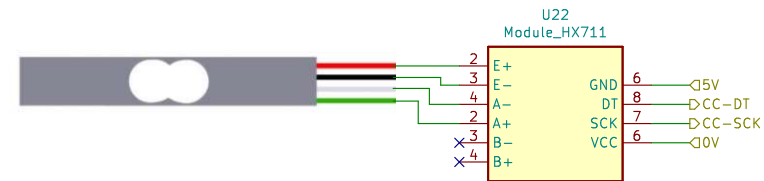
### Chaves fim de curso



### M8 – Fuso de Esferas



### IHM ABB CP630



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

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Sheet: /BTIBR-Bancada/  
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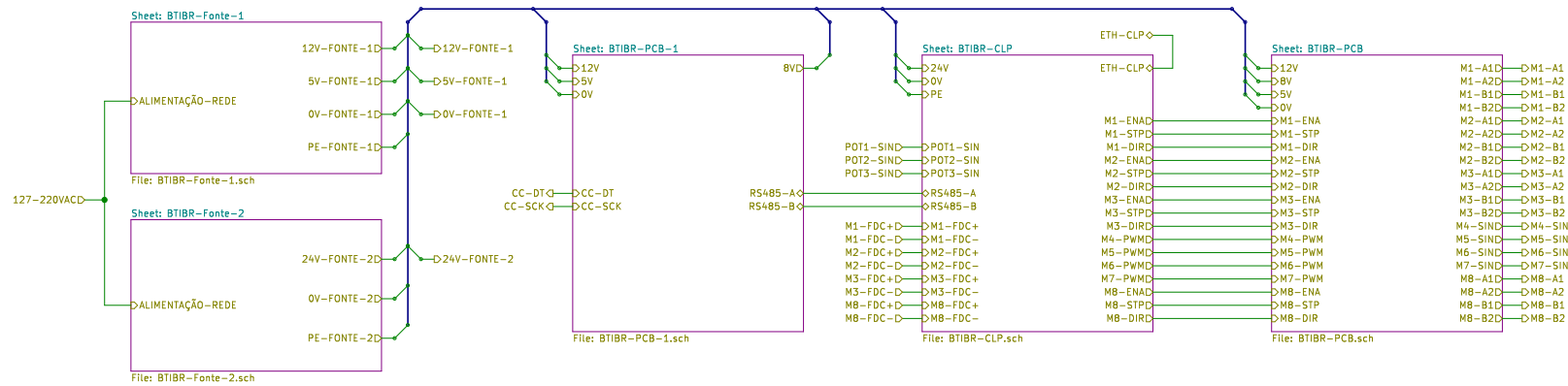
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KiCad E.D.A. kicad (5.1.9)-1

Rev: 3.2

Id: 3/9



# 6EP1331-5BA10

ALIMENTAÇÃO-REDE▷



▷24V-FONTE-2

▷0V-FONTE-2

▷PE-FONTE-2

Bruno Rafael Pires de Camargo  
Lucas Melaré  
Rafael Giaretta Falcão  
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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: 2021-10-11

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

**Rev: 3.2**

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# KP-522 500W

ALIMENTAÇÃO-REDE



▷12V-FONTE-1

▷5V-FONTE-1

▷0V-FONTE-1

▷PE-FONTE-1

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Rafael Giaretta Falcaro  
Rubens Lima

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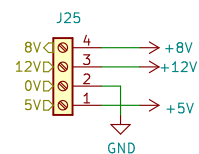
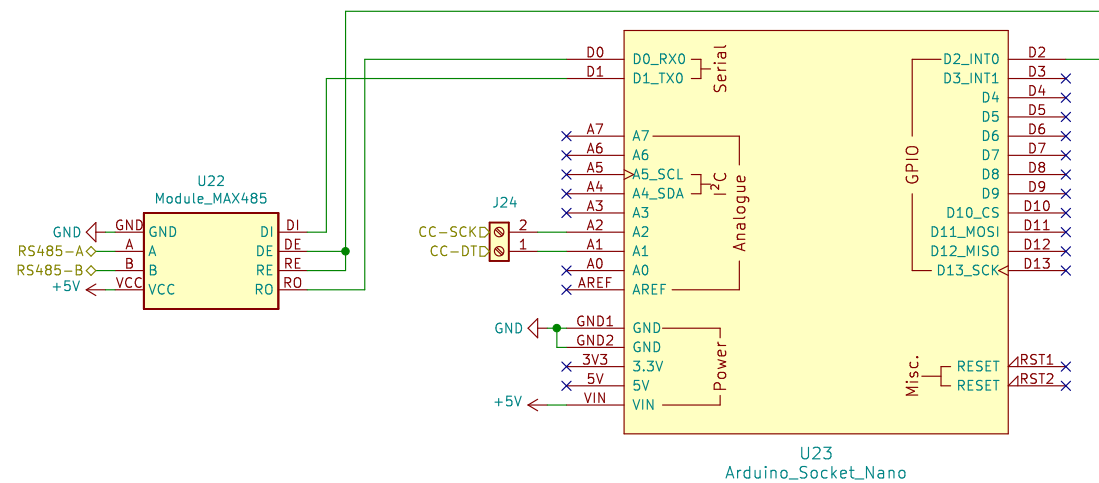
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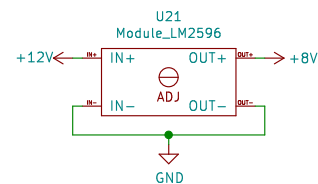
Rev: 3.2

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Id: 6/9



### Regulação 8V (Motor 3)



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Rafael Giaretta Falcato  
Rubens Lima

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Sheet: /BTIBR-Painel/BTIBR-PCB-1/

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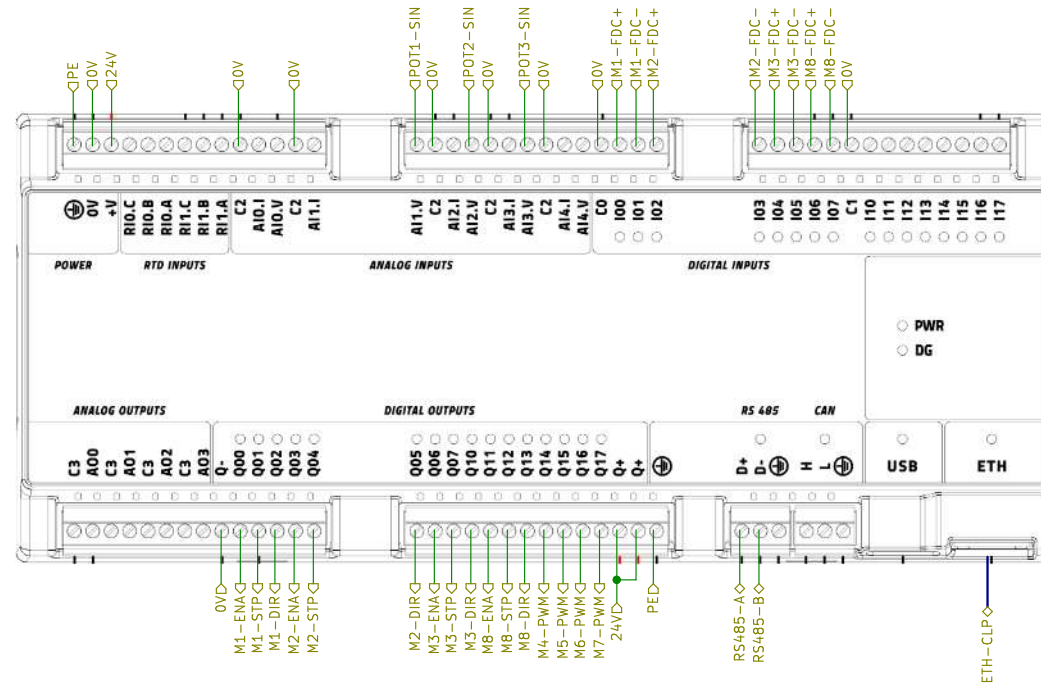
Date: 2021-10-11

Rev: 3.2

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# Altus XP340



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 Lucas Melaré  
 Rafael Giarretta Falcaro  
 Rubens Lima

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Sheet: /BTIBR-Painel/BTIBR-CLP/  
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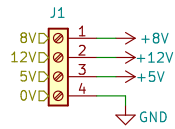
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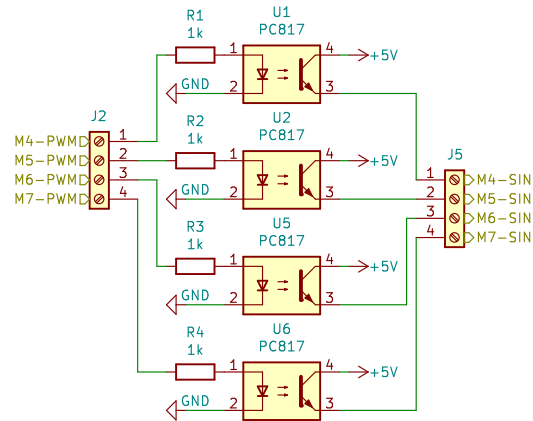
Rev: 3.2  
 Id: 8/9



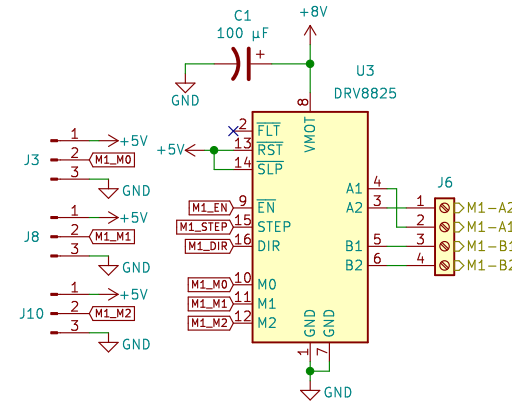
## Alimentação



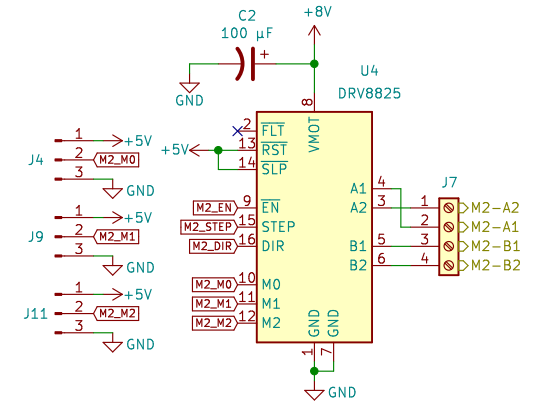
## Optoacopladores CLP→Servos



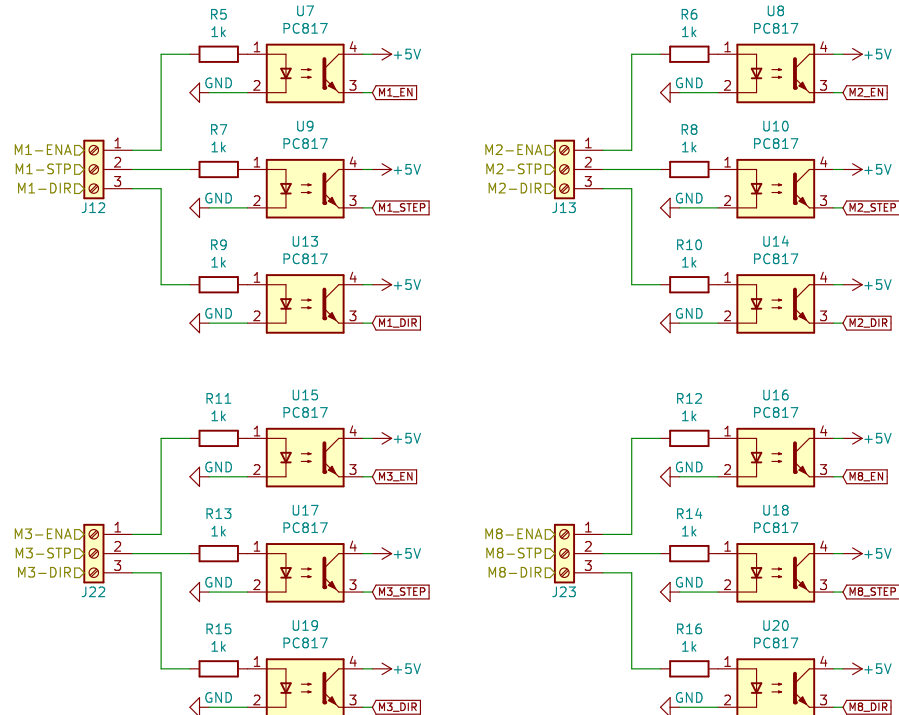
## M1 – BASE (Rz)



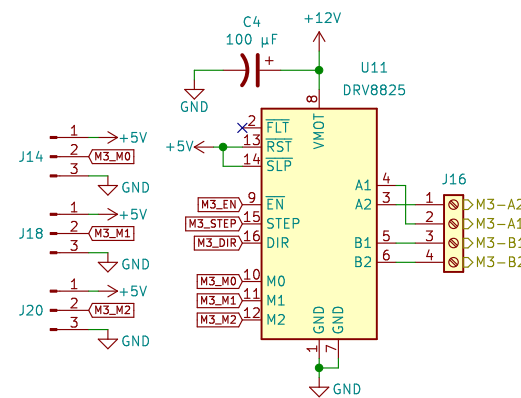
## M2 – OMBRO (Rx1)



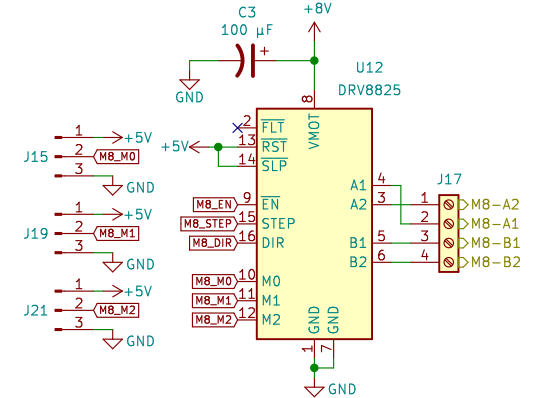
## Optoacopladores CLP→Drivers



## 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/  
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**Title: Bancada de Testes Integrada com Braço Robótico**

Size: A4 Date: 2021-10-11  
KiCad E.D.A. kicad (5.1.9)-1

Rev: 3.2  
Id: 9/9