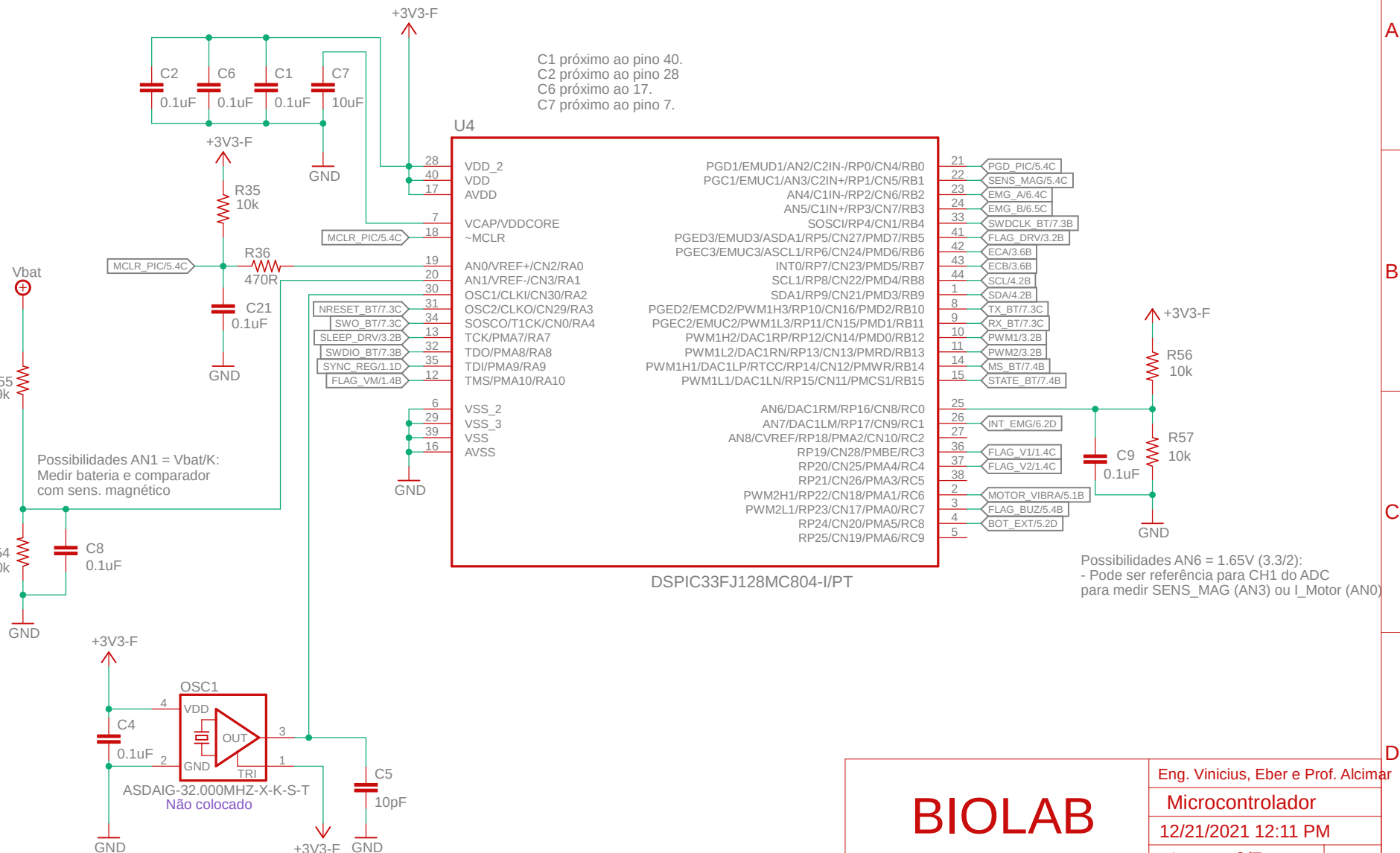
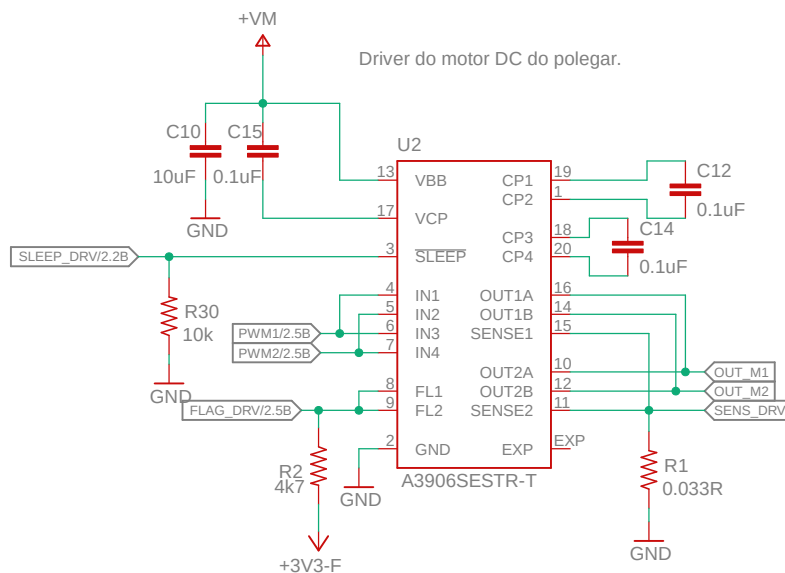


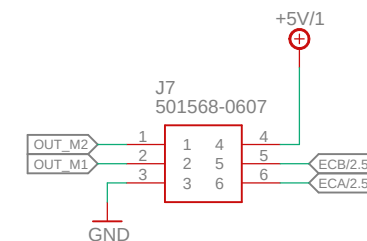
Microcontrolador mestre - dsPIC33FJ128MC804
Controla os motores de cima através de comunicação I2C.
Controla o motor do dedo diretamente.

C1 próximo ao pino 40.
C2 próximo ao pino 28
C6 próximo ao 17.
C7 próximo ao pino 7.

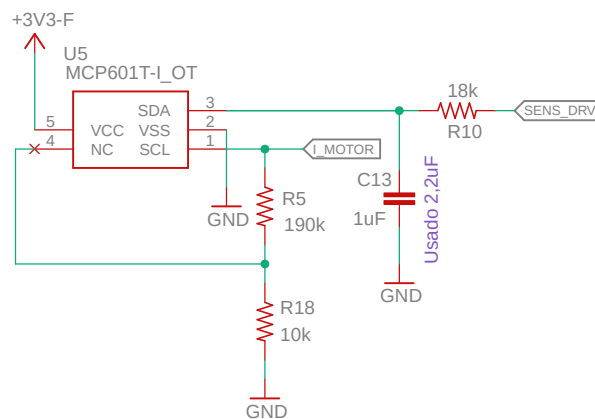




Conector do Encoder do polegar.
Conectot F.: 5013300600
Conector M.: 5015680607
Terminal: 5013340100



Amplifica corrente do motor e envia para uC.
Fc = 8.8Hz



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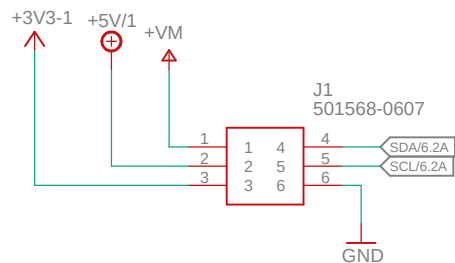
Polegar

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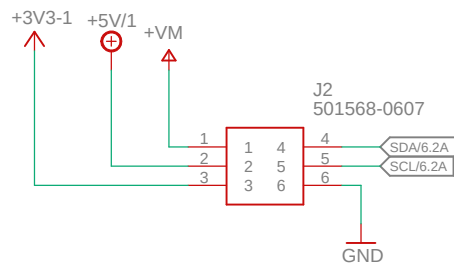
Sheet: 3/7

Conector dos dedos.
 Conector F: 5013300600
 Conector M.: 5015680607
 Terminal: 5013340100

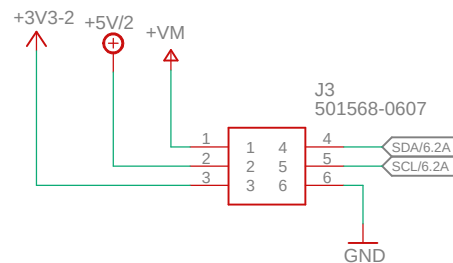
Saída Dedo indicador



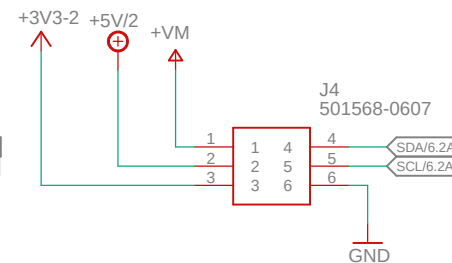
Saída Dedo Médio



Saída Dedo Anelar



Saída Dedo Mindinho



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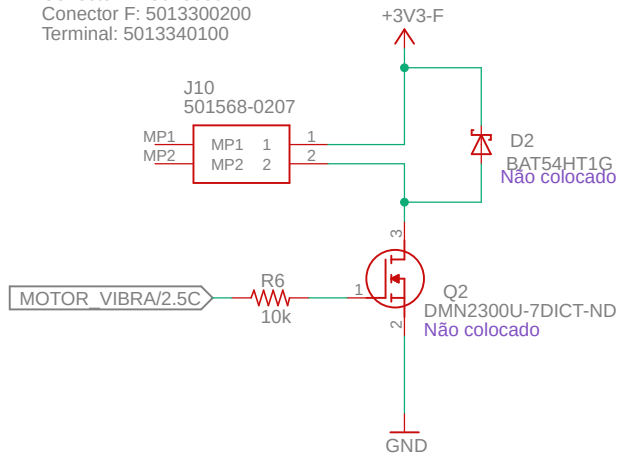
Demais dedos

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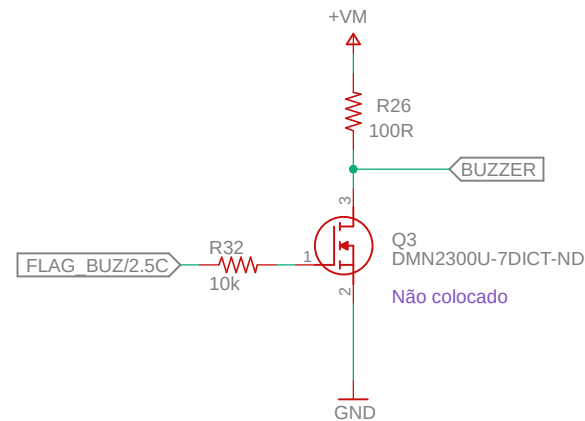
Sheet: 4/7

Conector motor de vibração

Conector M: 5015680207
Conector F: 5013300200
Terminal: 5013340100

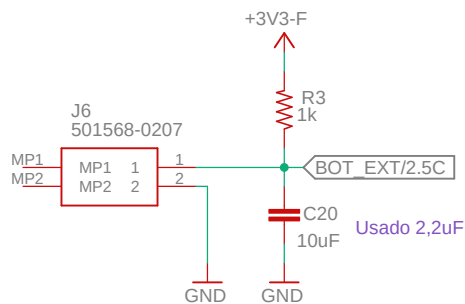


MOSFET para o chaveamento do buzzer.
Buzzer conectado nos pinos 5 e 6 do conector J9.

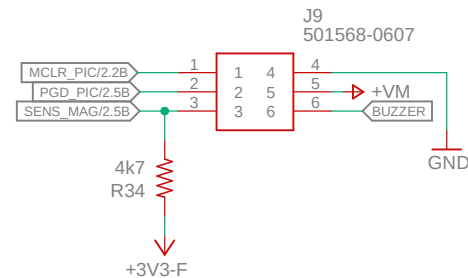


Botão externo - Diversas funções.

Conector M: 5015680207
Conector F: 5013300200
Terminal: 5013340100



Conector para:
- Pino 1, MCLR para gravar PIC
- Pino 2, PGD para gravar PIC
- Pino 3, PGC gravar PIC e sinal de sensor magnético do polegar
- Pino 4, GND do sensor magnético
- Pino 5, positivo Buzzer
- Pino 6, negativo Buzzer



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Periféricos e Gravador

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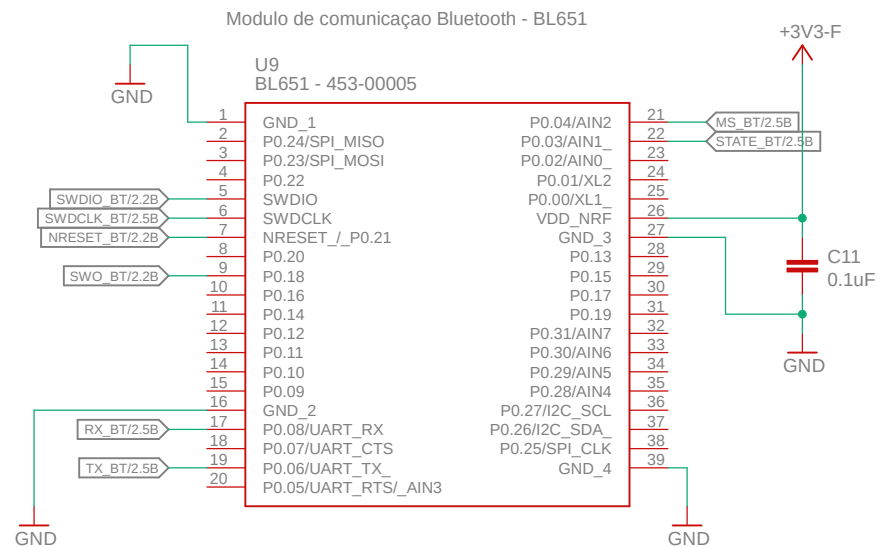
Conector com duas funções:
 Pinos 1 e 2 recebe os sinais de controle para o movimento dos dedos, com filtro passa baixa.
 Pinos 3 e 4 para comunicação I2C, o qual passa por um CI isolador.
 Conector M.: SM04B-NSHSS-TB (LF)(SN)
 Conector F.: NSHR-04V-S
 Terminal: SSSL-003T-P0.2

Porta NAND que ativa acionamento por EMG.

Amplificador dos canais de EMG, usando como buffer.

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 EMG e Comunicação I2C
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Bluetooth

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