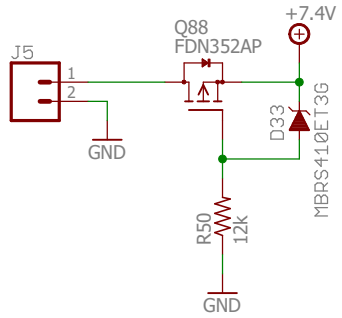
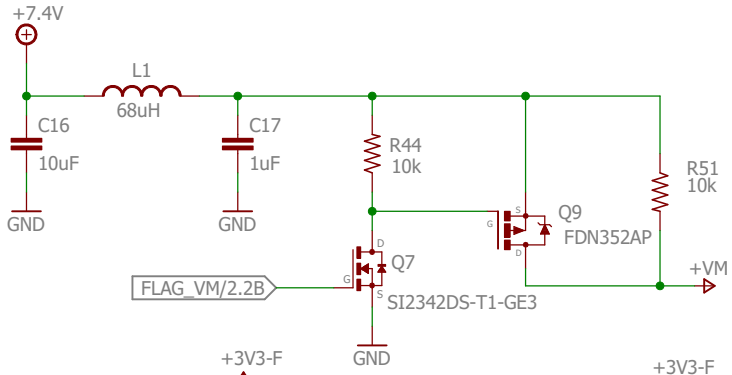
Conector da bateria p/ 2 terminais
Alimentação: 7.4V - 2200mAh

Conector M: SM02B-NSHSS-TB
Conector F: NSHR-02V-S
Terminal: SSHL-003T-P0.2

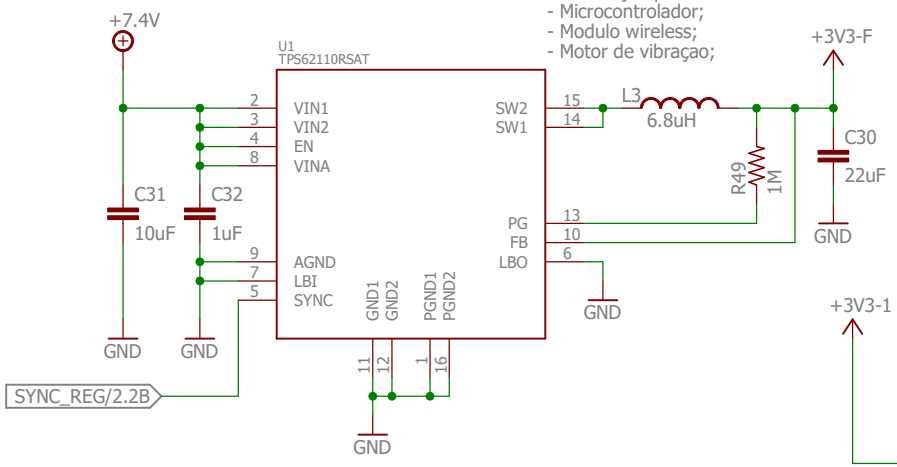
Circuito de proteçao:
sobretensao e inversao de polaridade
(Nao existe no circuito atual)

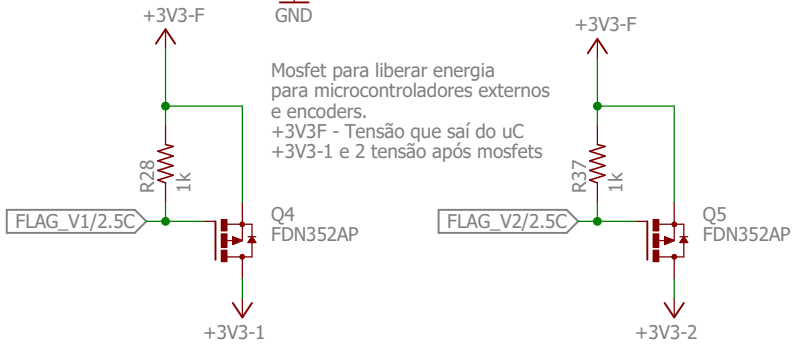


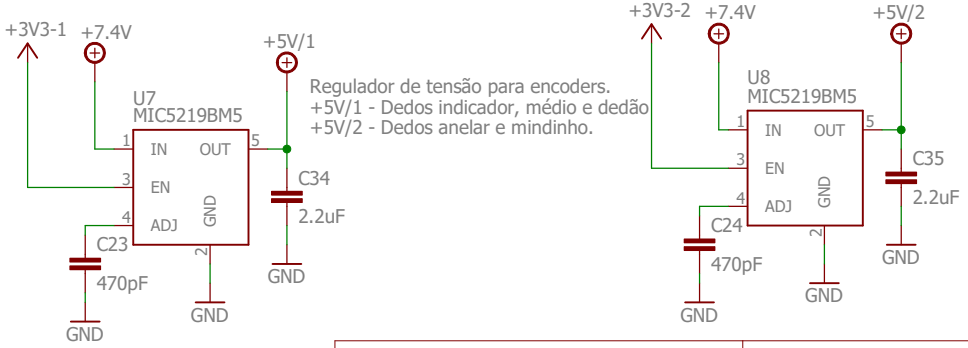
MOSFET para chaveamento da alimentaçao para os motores - VM.



Conversor DC-DC (7.4V -> 3.3V)
Alimentaçao para:
- Microcontrolador;
- Modulo wireless;
- Motor de vibraçao;







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Alimentações

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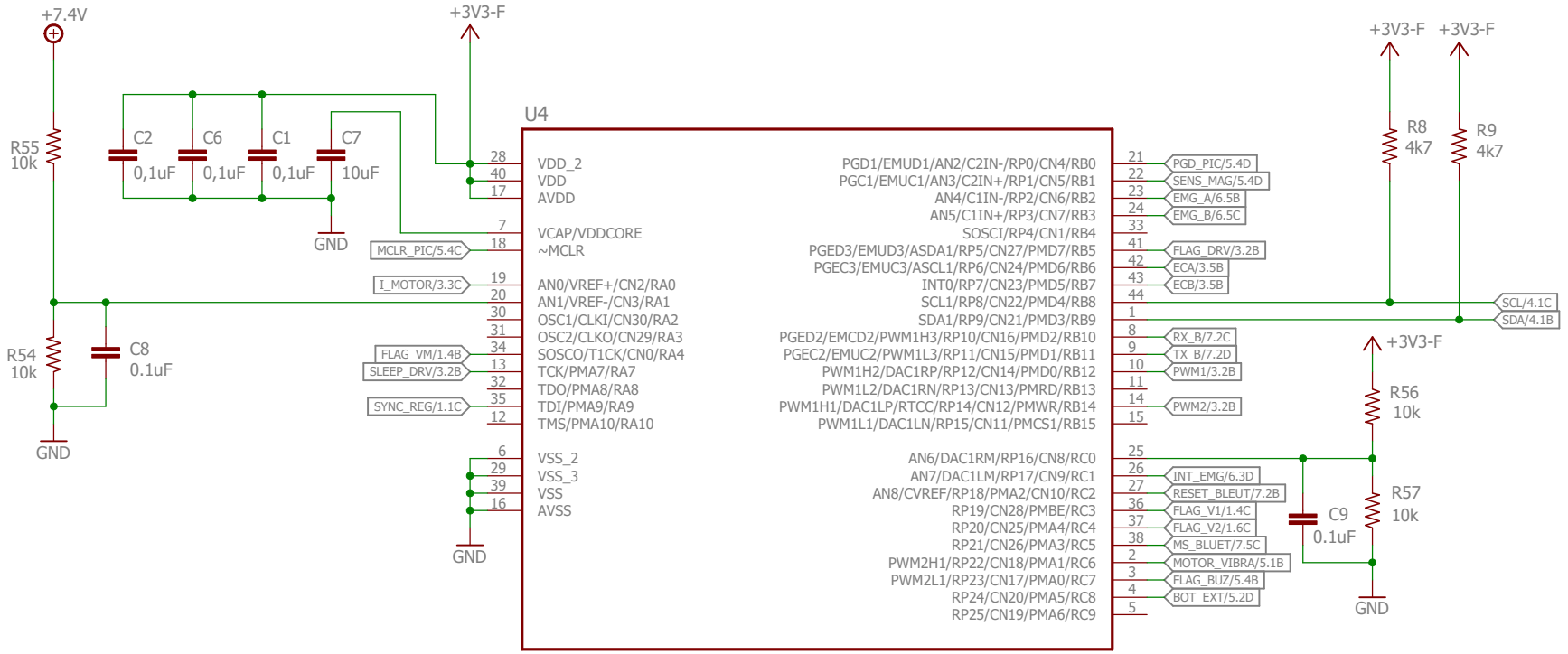
Microcontrolador mestre - dsPIC33FJ128MC804
Controla os motores de cima atraves de comunicaçao I2C.
Controla o motor do dedao diretamente.



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Microcontrolador

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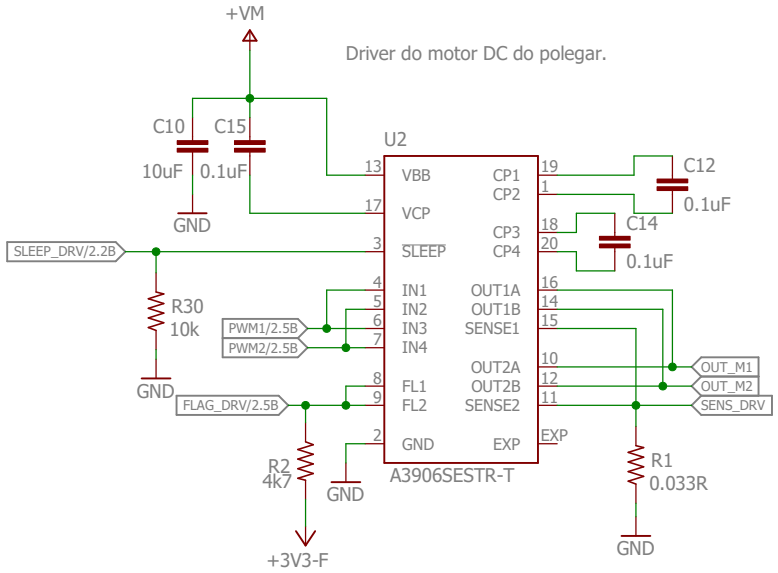
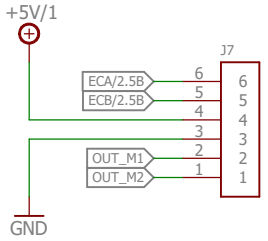
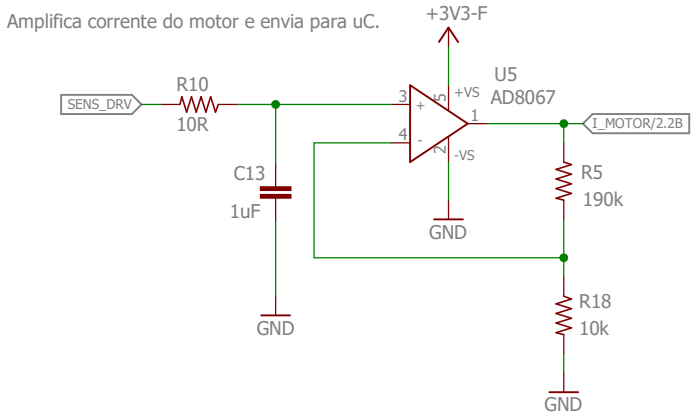


Conector do Encoder do polegar.
Conectot F.: NSHR-06V-S
Conector M.: SM06B-NSHSS-TB (LF)(SN)
Terminal: SSHL-003T-P0.2





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Polegar

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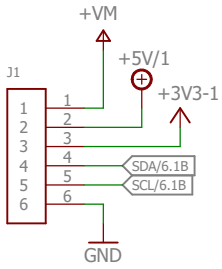
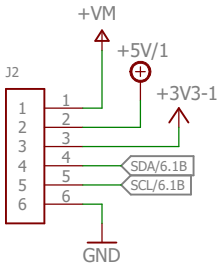
Conector dos dedos.
Conectot F.: NSHR-06V-S
Conector M.: SM06B-NSHSS-TB (LF)(SN)
Terminal: SSHL-003T-P0.2

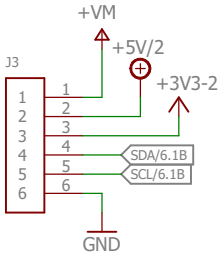
Saída Dedo indicador



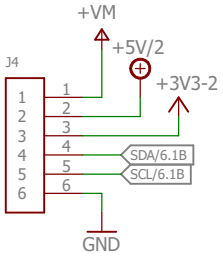
Saída Dedo Médio



Saída Dedo Anelar



Saída Dedo Mindinho



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Demais dedos

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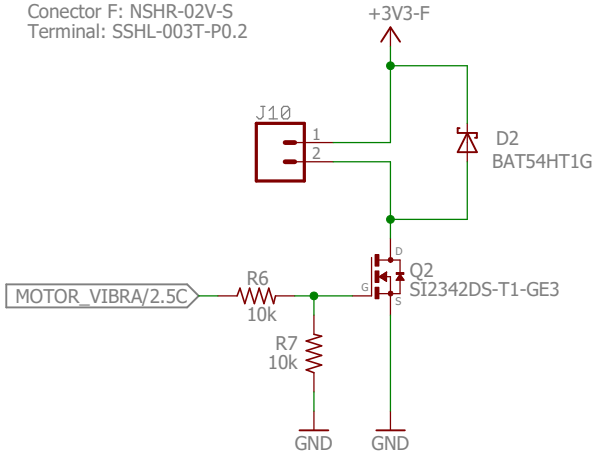
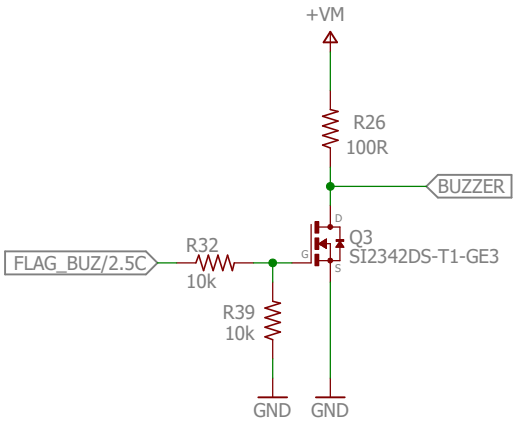
Conector motor de vibração

Conector M: SM02B-NSHSS-TB
Conector F: NSHR-02V-S
Terminal: SSHL-003T-P0.2

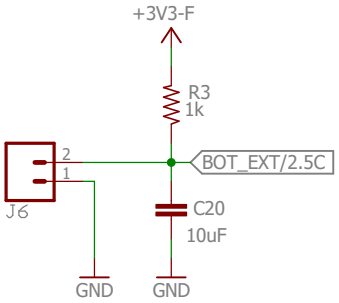


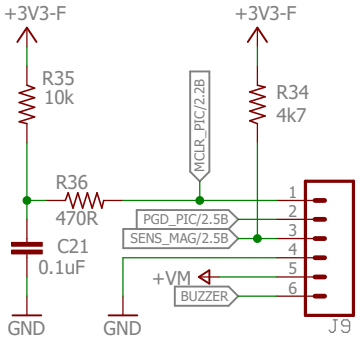
MOSFET para o chaveamento do buzzer.
Buzzer conectado nos pinos 5 e 6 do conector J9.



Botão externo - Diversas funçoes.

Conector M: SM02B-NSHSS-TB
Conector F: NSHR-02V-S
Terminal: SSHL-003T-P0.2





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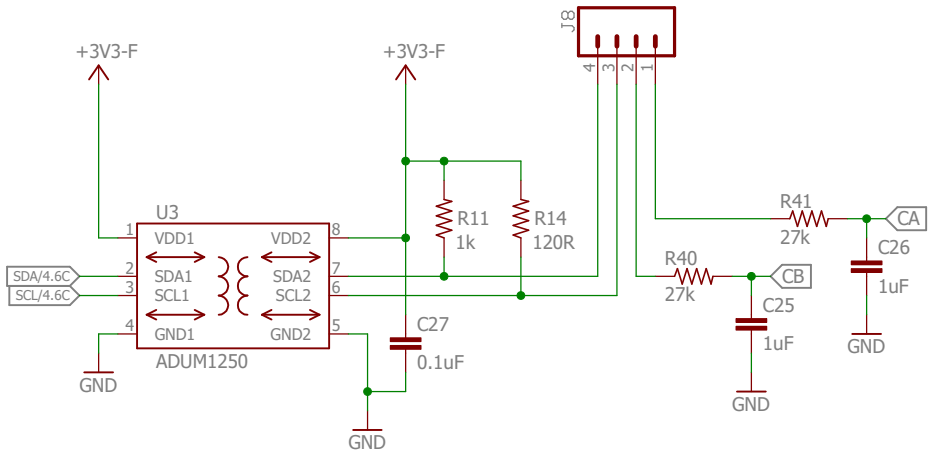
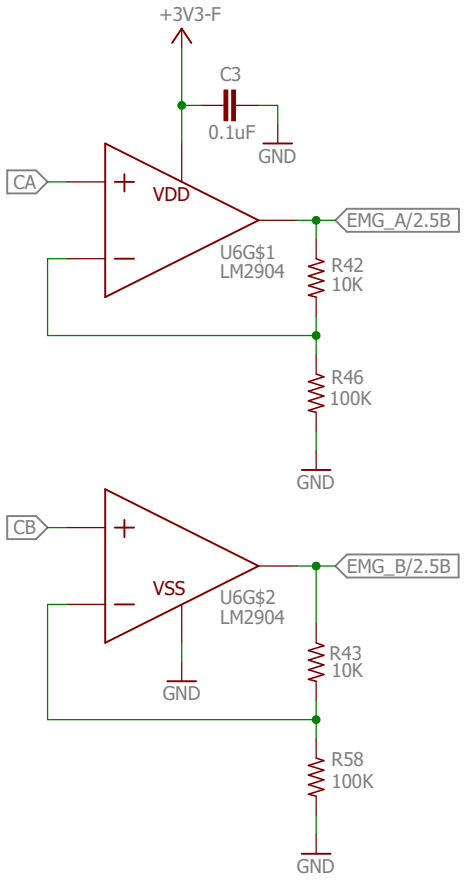
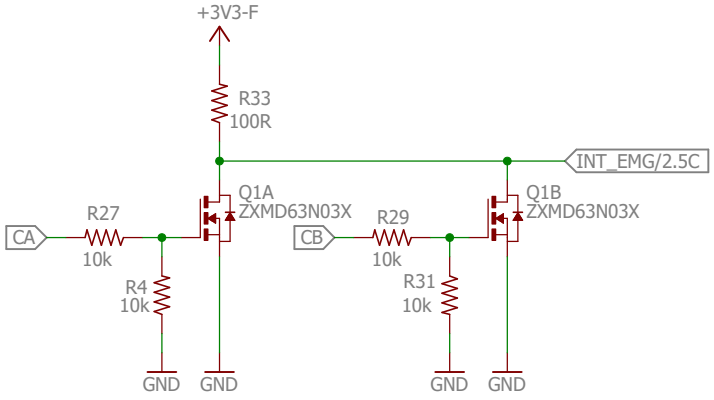
Conector com duas funçoes:
Pinos 1 e 2 recebe os sinais de controle para o movimento dos dedos, com filtro passa baixa.
Pinos 3 e 4 para comunicaçao I2C, o qual passa por um CI isolador.
Conector M.: SM04B-NSHSS-TB (LF)(SN)
Conector F.: NSHR-04V-S
Terminal: SSHL-003T-P0.2



Amplificador dos canais de EMG, usando como buffer.



Porta NAND que ativa acionamento por EMG.



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EMG e Comunicação I2C

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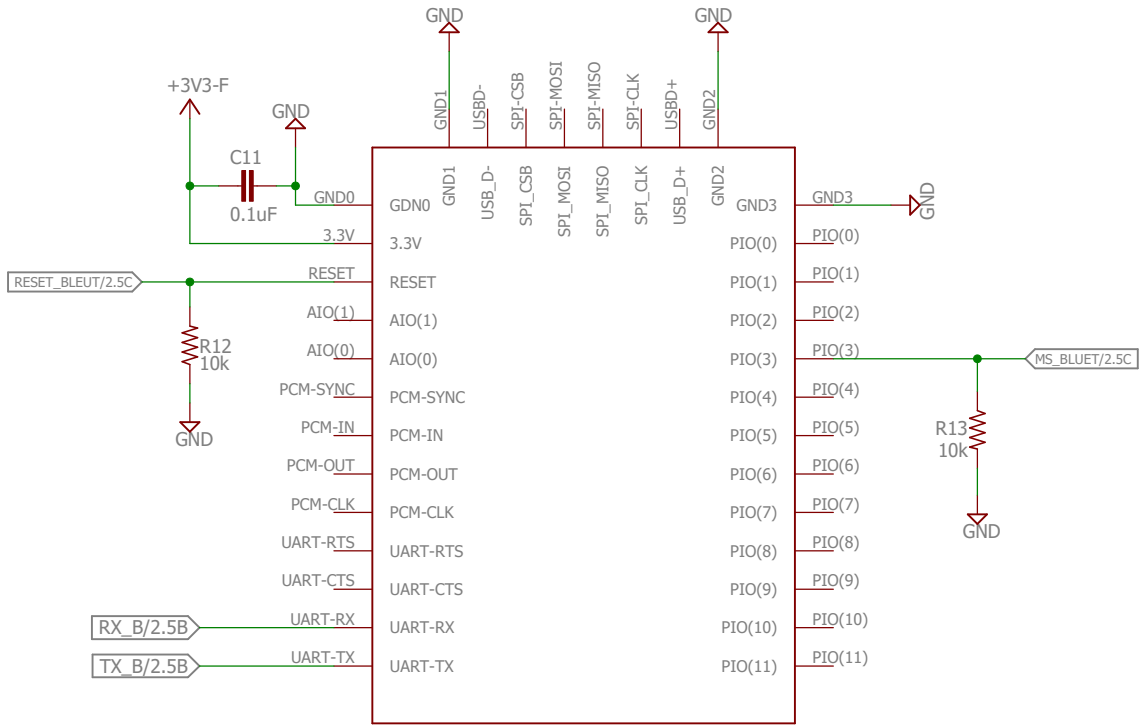
Modulo de comunicaçao Bluetooth - HC06
pino 1 - Tx
pino 2 - Rx
Pino 11 - Reset
Pino 12 - Vcc (+3v3)
Pinos 13, 21, 22 - GND
Pino 26 - Master/Slave



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	Bluetooth	
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