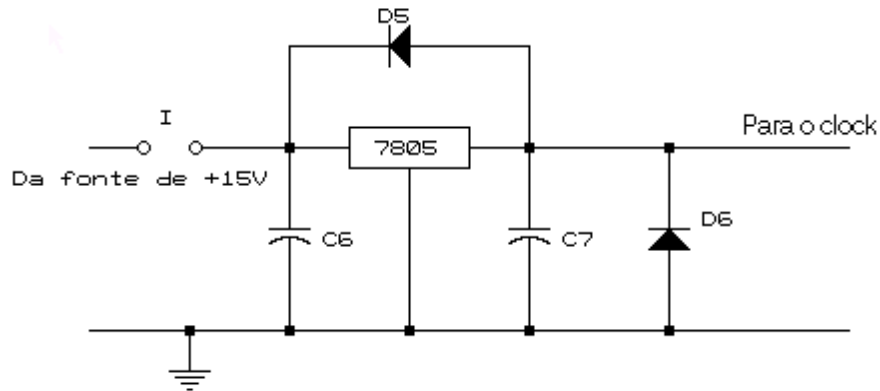
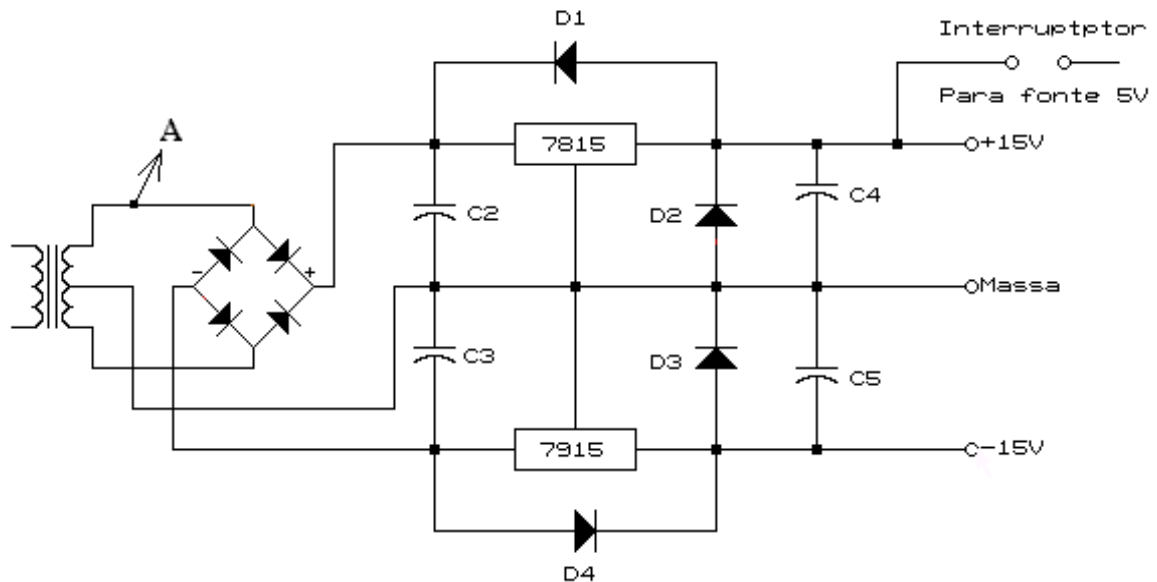


# **FONTES DE ALIMENTAÇÃO DE +15 V/-15 V E 5 V PARA O CLOCK**



Lista de componentes:

C2, C3 - 4700  $\mu$ F

C4, C5, C6, C7 - 470  $\mu$ F

D1, D2, D3, D4, D5, D6 - 1N4001

Regulador de tensão 7815

Regulador de tensão 7915

Regulador de tensão 7805

Interruptor

Transformador 220/ 2 x 18 V, 1,5 A

Ponte rectificadora 1 A



R5 - 15 KΩ

R2, R3 - 68 K $\Omega$

C9 - 100 pF

C11 - 10  $\mu$ f

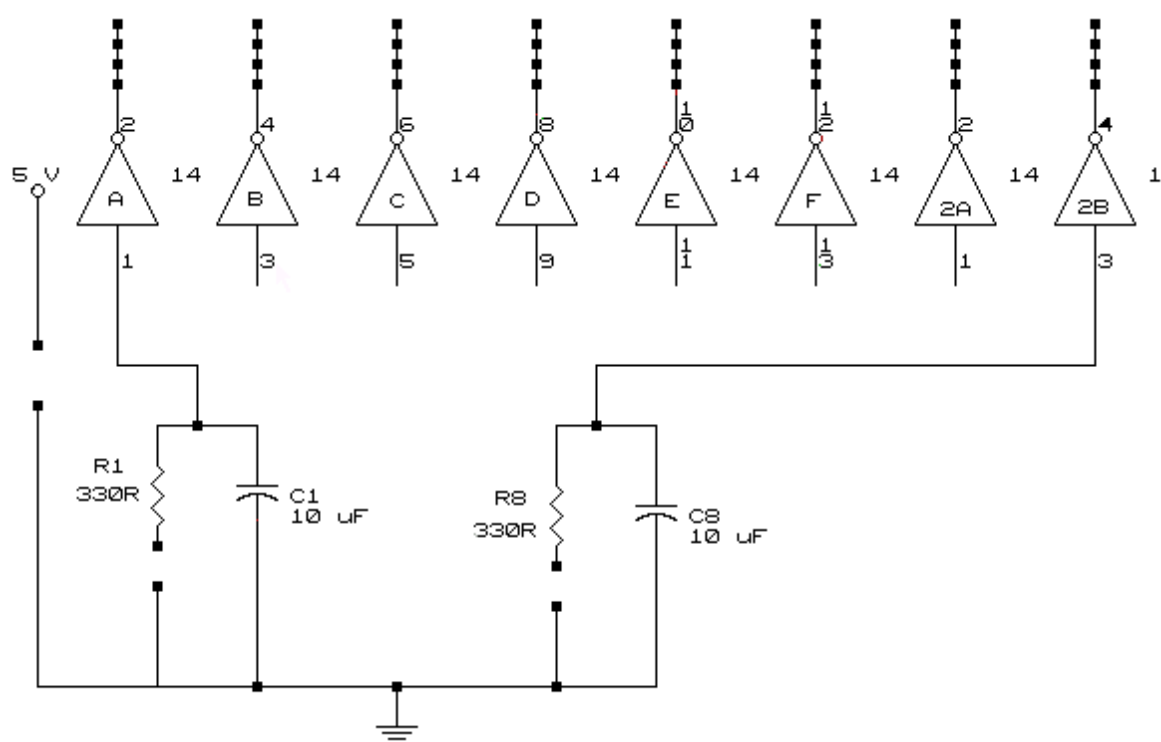
C.I. 7403

C.I. NE555

1 comutador de 3 pos.

2 díodos 1N4001

# INTERRUPTORES



Lista de componentes:

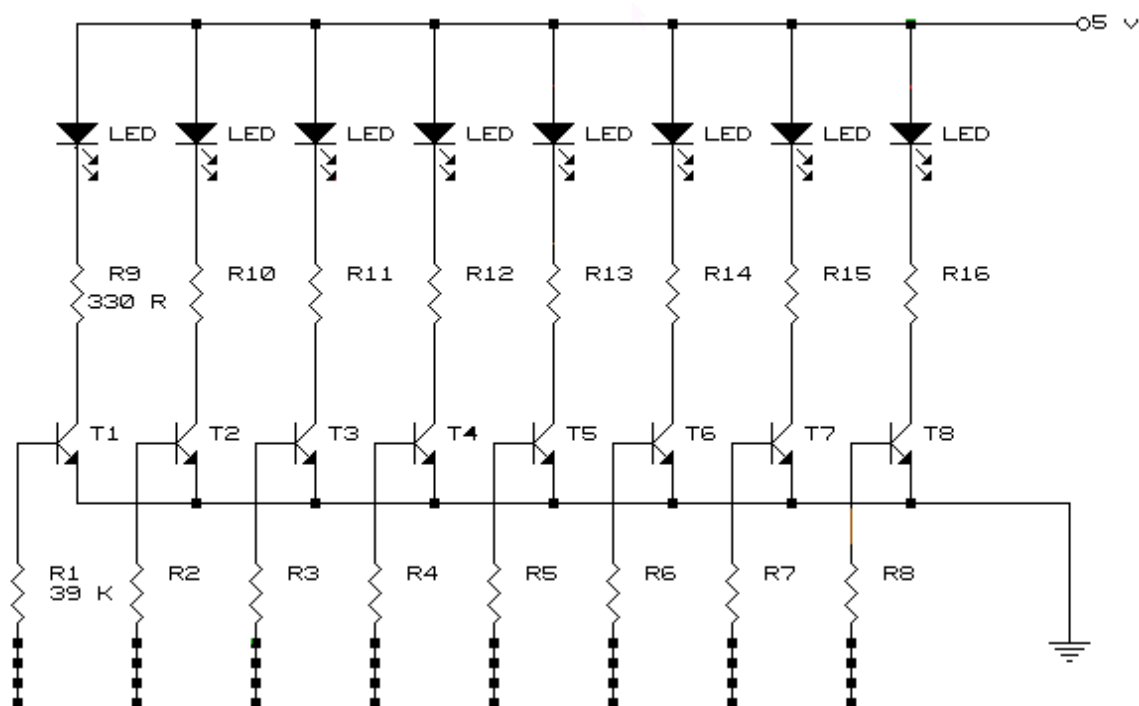
C1 a C8 - 10 $\mu$ F/25 V

R1 a R8 - 330  $\Omega$

C.I. 1 e C.I. 2 - 7414

I1 a I8 - Interruptores On/Off

## LEDS (INDICADORES LÓGICOS)



Lista de material:

R1 a R8 - 39 K $\Omega$

R9 a R16 - 330  $\Omega$

T1 a T8 - BC547

L1 a L8 - Leds de  $\varnothing$  3 mm