



UNIVERSIDADE DO ESTADO DE MINAS GERAIS

Docente: Rildo Afonso de Almeida

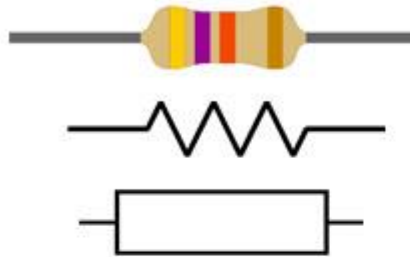
Tópicos Em Engenharia III



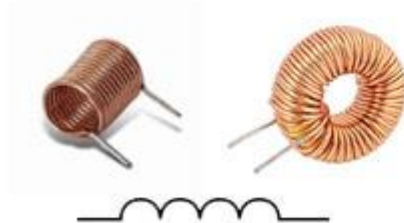
Simbologia dos Componentes Eletrônicos

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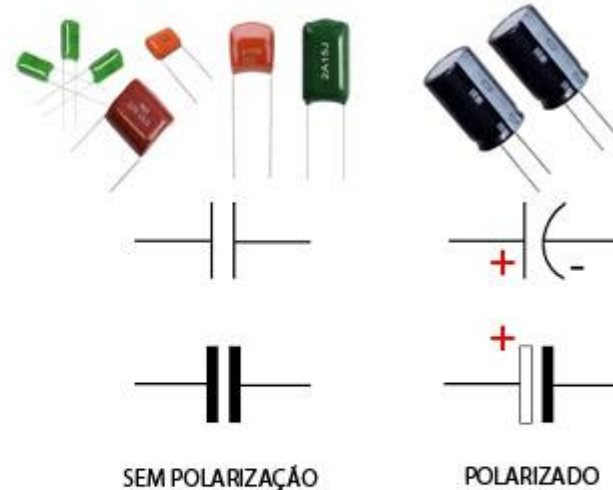
RESISTOR



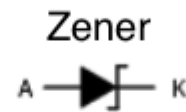
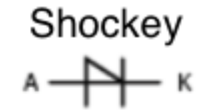
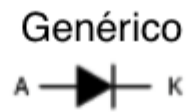
INDUTOR



CAPACITOR



Simbologia dos Componentes Eletrônicos



Silício

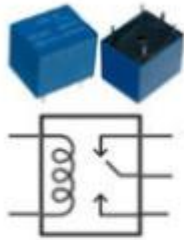
Germânio

LED

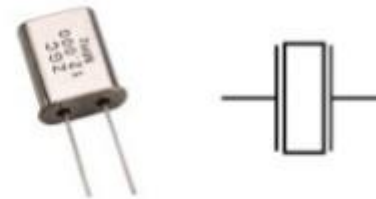


Simbologia dos Componentes Eletrônicos

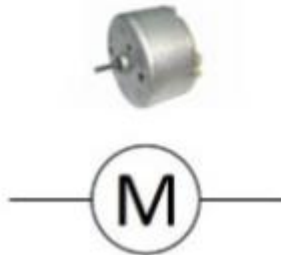
RELÉ



CRISTAL



MOTOR

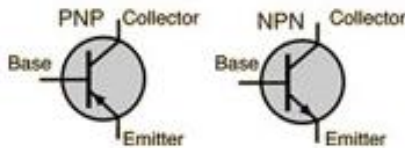


CHAVES

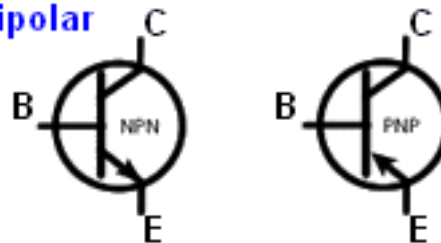


Simbologia dos Componentes Eletrônicos

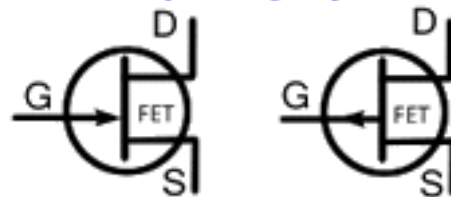
TRANSISTOR



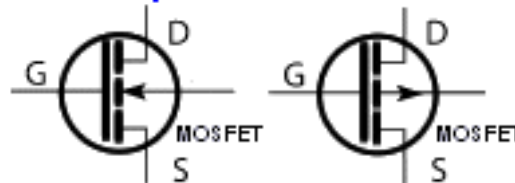
Bipolar



Efeito Campo Unijunção

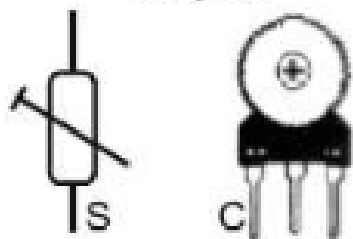


Efeito Campo Metal Oxido

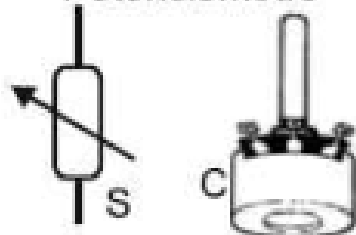


Simbologia dos Componentes Eletrônicos

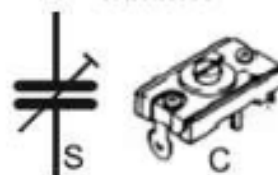
Trimpot



Potenciômetro



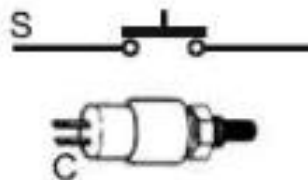
Trimmer



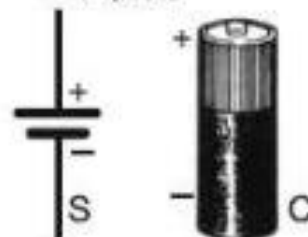
Interruptor



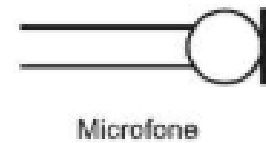
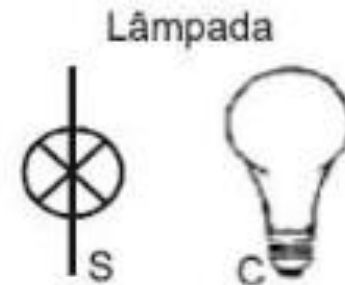
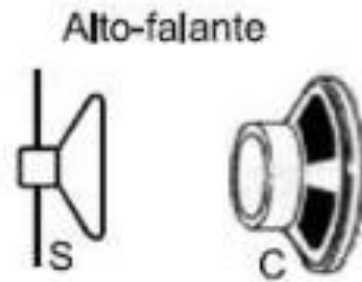
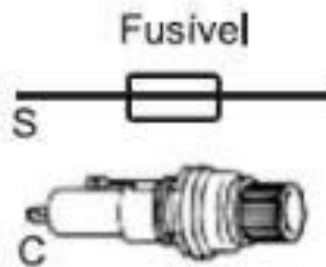
Interruptor de pressão



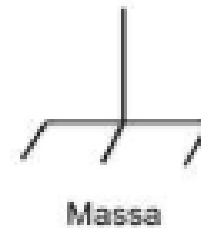
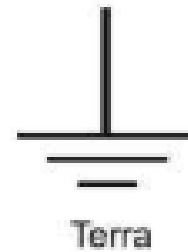
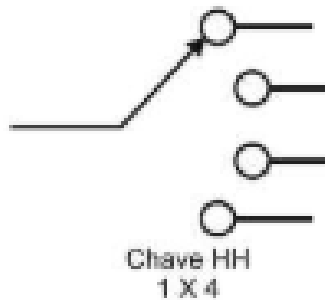
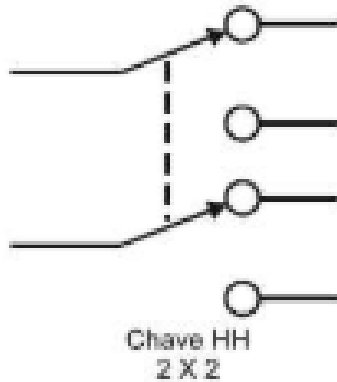
Pilha C



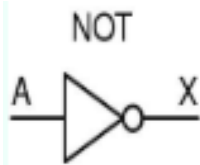
Simbologia dos Componentes Eletrônicos



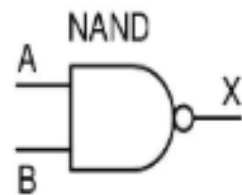
Simbologia dos Componentes Eletrônicos



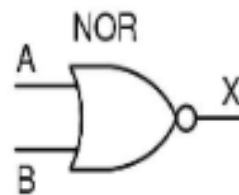
Simbologia dos Componentes Eletrônicos



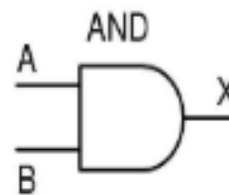
A	X
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1	0



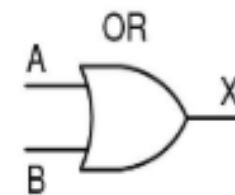
A	B	X
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0	1	1
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1	1	0



A	B	X
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0	1	0
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1	1	0



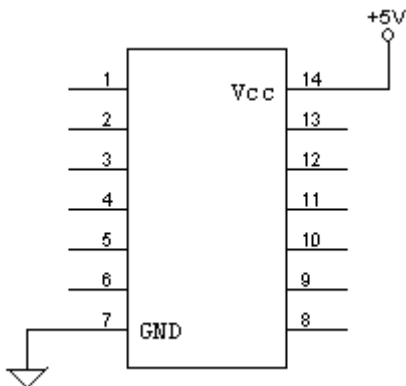
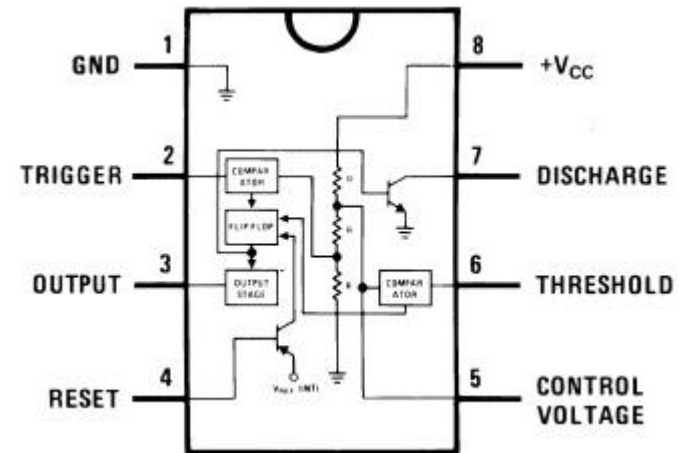
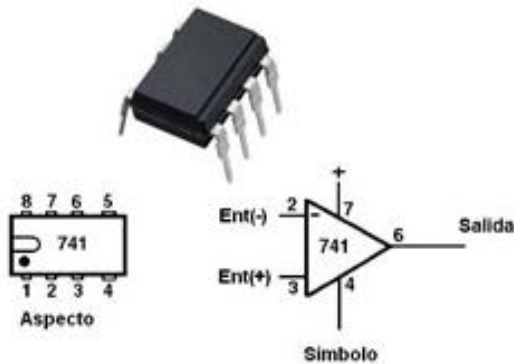
A	B	X
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0	1	0
1	0	0
1	1	1



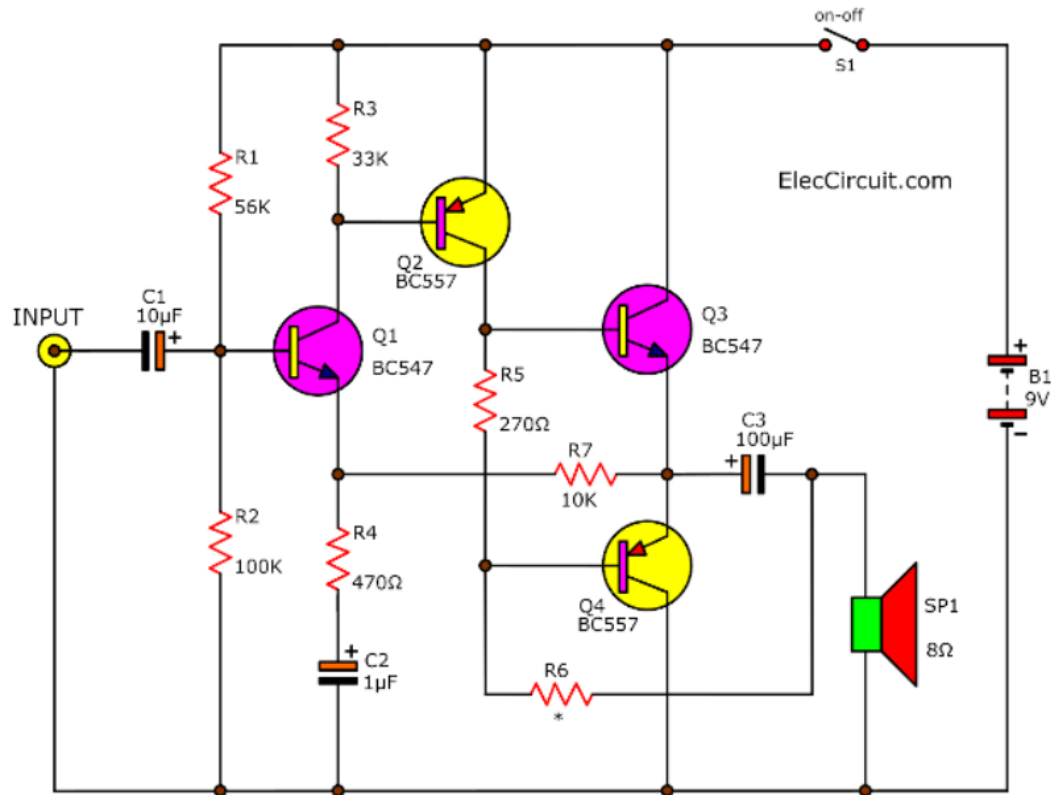
A	B	X
0	0	0
0	1	1
1	0	1
1	1	1

Simbologia dos Componentes Eletrônicos

CIRCUITO INTEGRADO



Conforme esquemático abaixo, redesenhe o mesmo através do schematic do Dip Trace





Bibliografia Básica

GILAT, A. *MatLab com aplicações em engenharia*. Tradução de Glayson Eduardo de Figueiredo. 2. ed. Porto Alegre: Bookman, 2006.

MATH WORKS. *The student Edition of MATLAB*. The Math Works Inc. Prentice Hall, 1992.

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Bibliografia Complementar

PARREIRA JÚNIOR, W. M. Linguagem de programação. Ituiutaba: UEMG, 2013. 58p. Apostila. Disponível em www.waltenomartins.com.br/lp_apostila.pdf , acesso em 20 de jul. 2017.

Apostila P-CAD 2006 - PCB