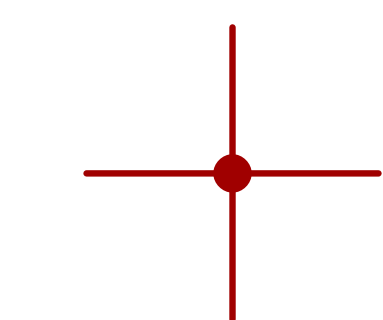
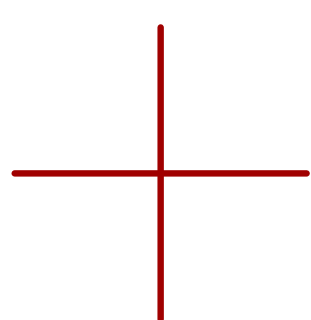


Electrical Schematic Symbols

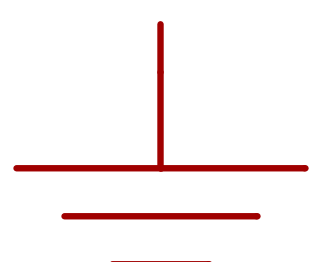
Passive Components



Connection



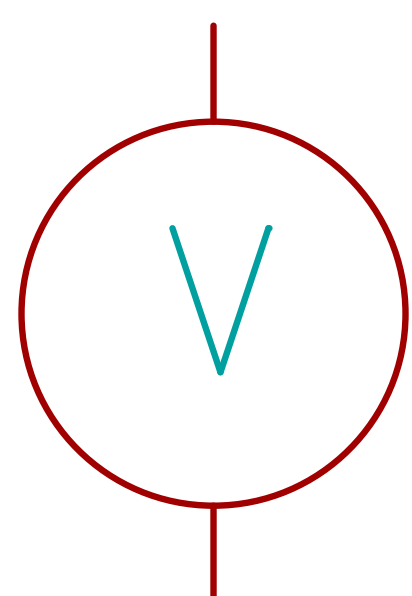
No Connection



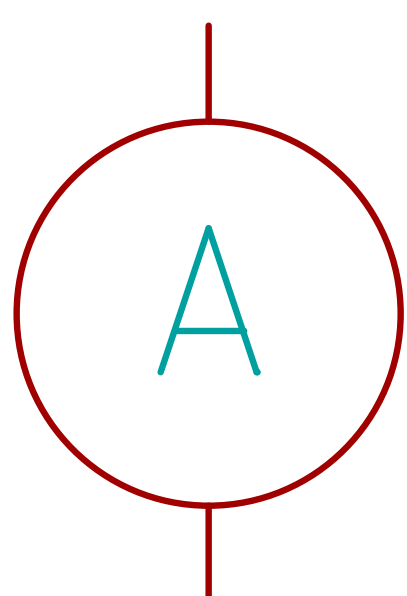
Ground



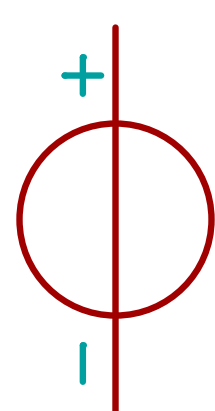
Named
Signal



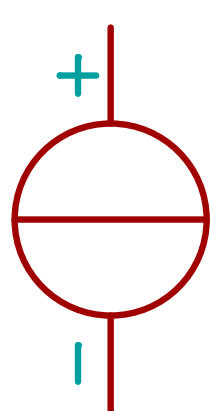
Voltmeter



Ammeter



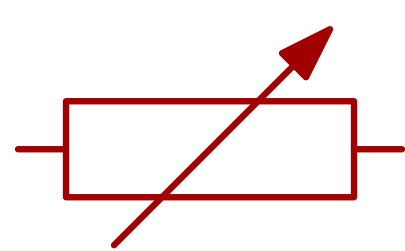
Voltage
Source



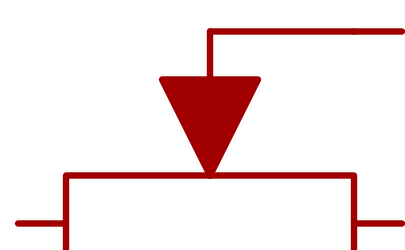
Current
Source



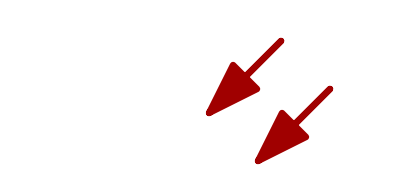
Resistor



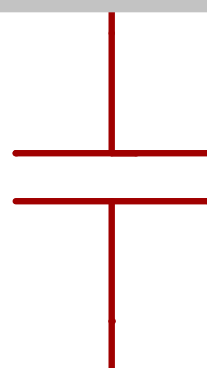
Variable Resistor



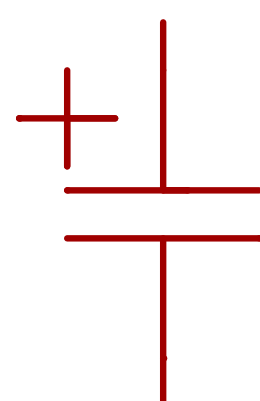
Potentiometer



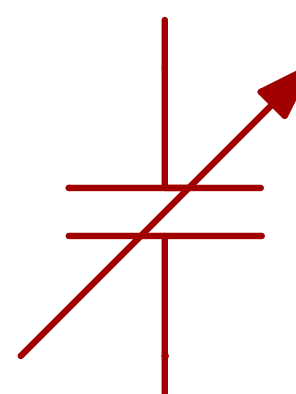
Photoresistor



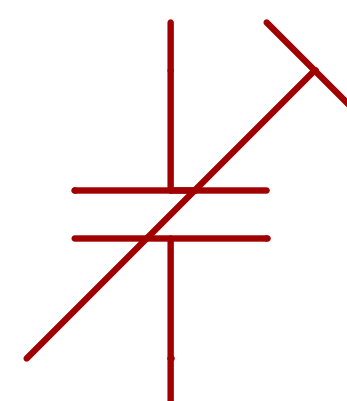
Capacitor



Polarized Capacitor



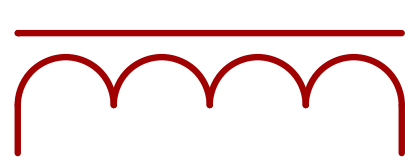
Variable Capacitor



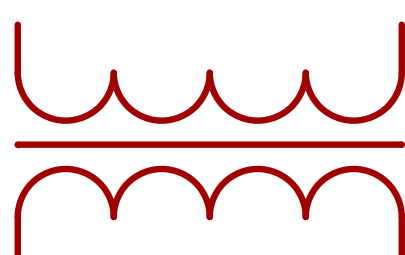
Adjustable Capacitor



Inductor



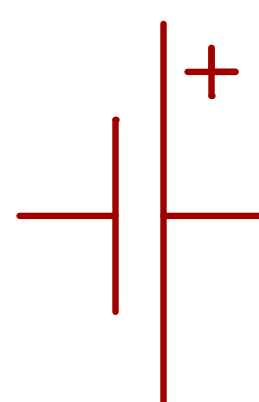
Inductor with Core



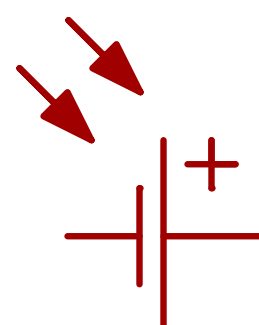
Transformer



Ferrite Bead



Battery Cell



Photovoltaic
Cell



I/O Pin



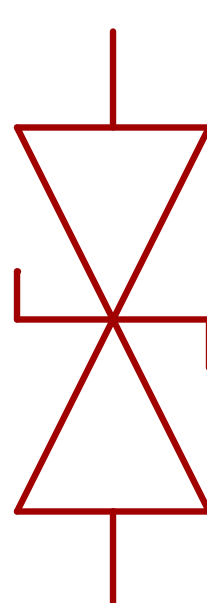
Normally-Open
Switch



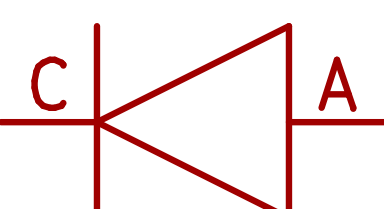
Normally-Closed
Switch



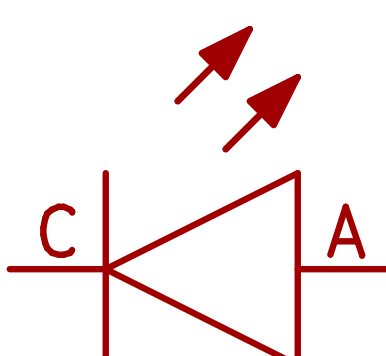
Pushbutton Switch



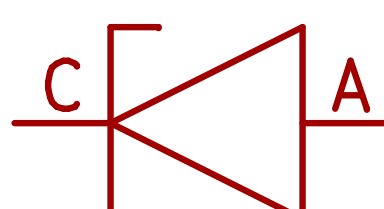
Bidirectional
Breakdown Diode



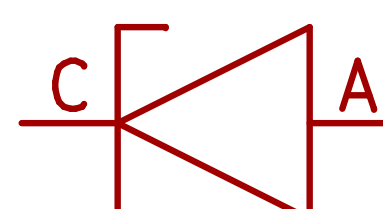
Diode



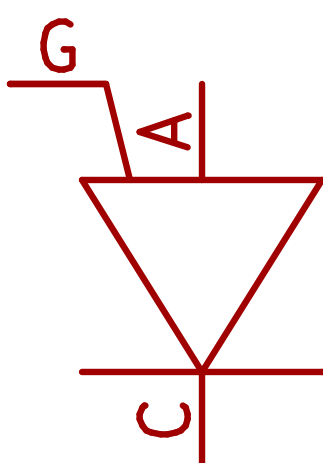
Light-Emitting
Diode



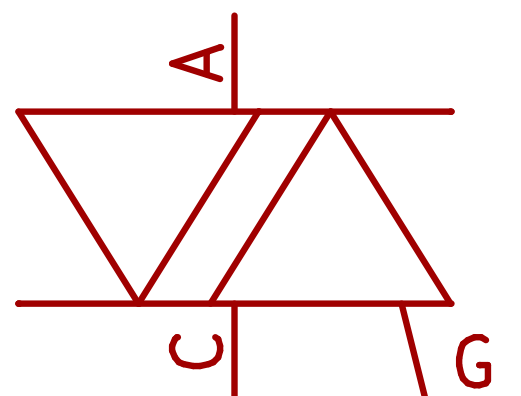
Tunnel
Diode



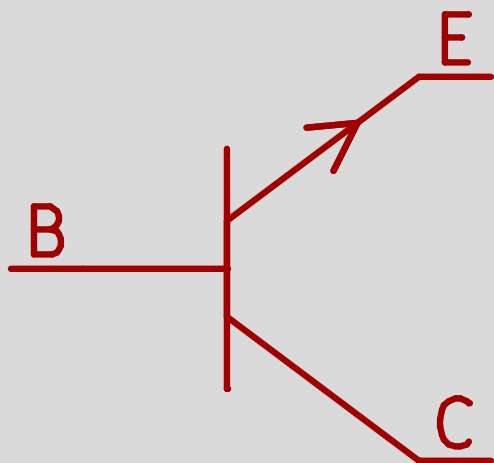
Zener
Diode



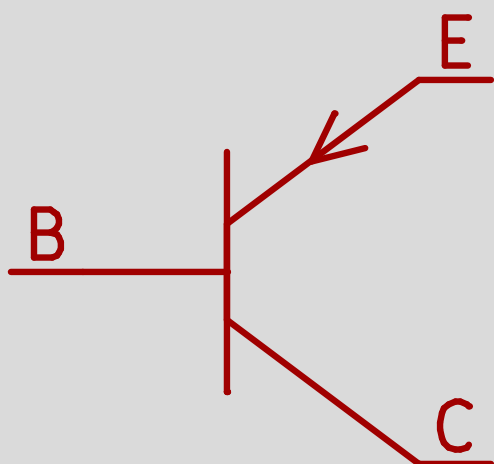
N-Gate
Thyristor



Triac

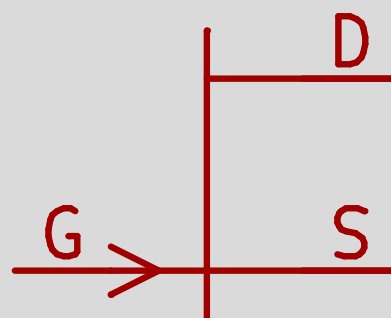


NPN

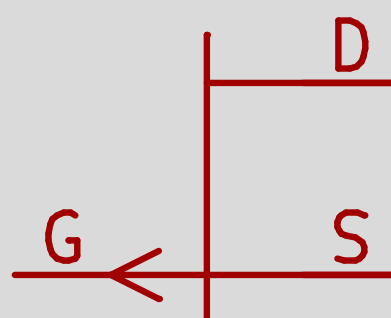


PNP

Bipolar Junction
Transistors



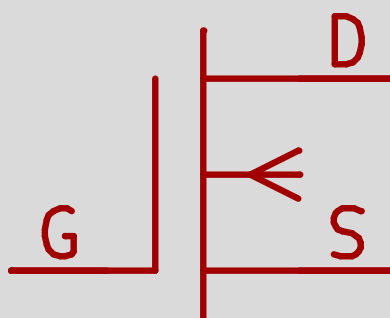
N-Channel



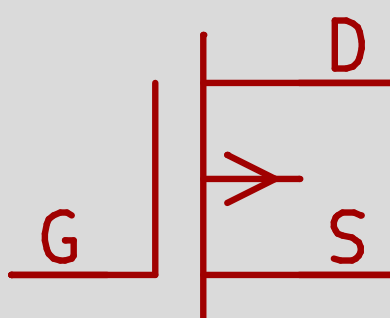
P-Channel

Field-Effect
Transistors

Depletion
Mode



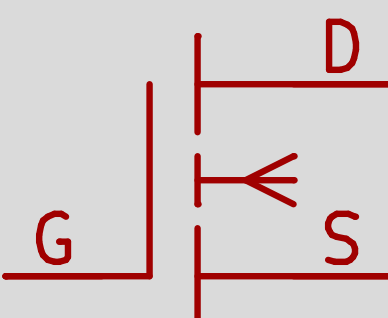
N-Channel



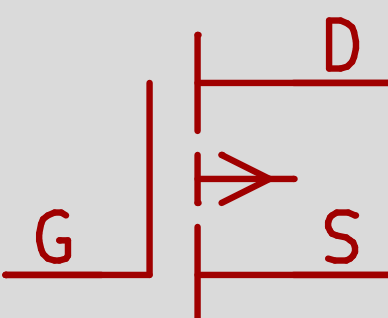
P-Channel

Insulated-Gate Field-Effect
Transistors

Enhancement
Mode



N-Channel



P-Channel