# MacDraft Symbol Libraries

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## Electronic Schematic Libraries


General Schematic Libraries

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# Introduction

Microspot offers four series of Microspot Librarian symbol libraries. These are sets of graphic images ready for use in MacDraft® drawings and will provide you with many of the elements you need to quickly and easily complete or embellish your drawings.

## Librarian

Librarian is a drag and drop-compatible application for storing and retrieving any type of data, and is included with MacDraft 4.3. It can be used with any application that supports drag and drop (or copy and paste). An unlimited number of libraries can be created, each of which can hold hundreds of items. Custom libraries can contain symbols from different symbol libraries, items and files you have drawn, and files of many other types.

Librarian can be used with MacDraft to hold PICT images of furniture, architectural and electrical components etc. Adding library items to drawings is as simple as dragging and dropping them from the library into the MacDraft document.

*See the section Librarian in the MacDraft User Guide Addendum for further details.*

## Drag and Drop

MacDraft version 4.3 implements drag and drop. This means that any PICT file can be dragged into a MacDraft document window, and objects or group of objects can be dragged from a MacDraft document to, for example, a Librarian file (symbol libraries in the old format are not supported).

Items in image and graphics file formats dragged into MacDraft from Librarian files will be converted into PICT.

*See the section Drag And Drop in the MacDraft User Guide Addendum for further details.*

## About Symbol Libraries

Each library has been professionally drawn, using vectors rather than bitmaps, providing you with the highest possible quality of printing.

**Note:** The symbols have been optimized for printing on the LaserWriter® and other PostScript® output devices. Other devices, such as inkjet printers, may reduce clarity in the final image.

## Editing Symbols

Symbols can be easily edited to suit your own needs:

- Once dropped into a drawing, a symbol can be rotated, flipped, moved, or resized.
- If you ungroup a symbol, you can remove, resize, fill, or otherwise edit any object within it.
- You can ungroup symbols that contain text and substitute your own text. **Note:** be careful when resizing symbols that contain text.

## Libraries Available

### Graphics Volume 1

Over 200 images of people, cars and trucks, and trees and other landscape elements. This set is ideal for architects, illustrators, and designers, as well as for general graphics and presentations.

### Graphics Volume 2

Contains over 200 graphic elements to help you create professional-looking organizational charts, design computer logic diagrams, embellish business charts, or add character to your correspondence and presentations.

### Architecture

A comprehensive set of over 1,100 commonly used symbols for the creation of residential and light commercial construction drawings. This library provides architects, engineers, and contractors with symbols that address the 16 standard specification formats used in construction drawings.

### Electronic Schematics

Incorporates over two hundred symbols for a wide array of electronic components and elements used to create schematic diagrams. Included are everything from vacuum tubes to transistors and logic gate symbols.

# General Schematics Library,
# A - D

Some symbols may require that you set a finer grid snap in order for proper cursor / symbol alignment to the grid. If you find the cursor unable to align to the object, try a finer grid snap.

Antenna, General

Antenna, Loop

Battery / 1

Battery / 2

Capacitor, Feed / 1

Capacitor, Feed / 2

Capacitor, Polarized / 1

Capacitor, Polarized / 2

Capacitor, Polarized / 3

Capacitor, Polarized / 4

Capacitor, Split-Stat

Capacitor, Variable / 1

Capacitor, Variable / 2

Capacitor, Variable, Ganged

Capacitor / 1

Capacitor / 2

Capacitor / 3

Capacitor / 4

Capacitor S / 1

Capacitor S / 2

Capacitor S / 3

Capacitor S / 4

Cavity Resonator



Cell, Photoconductive

Solar Cell 1

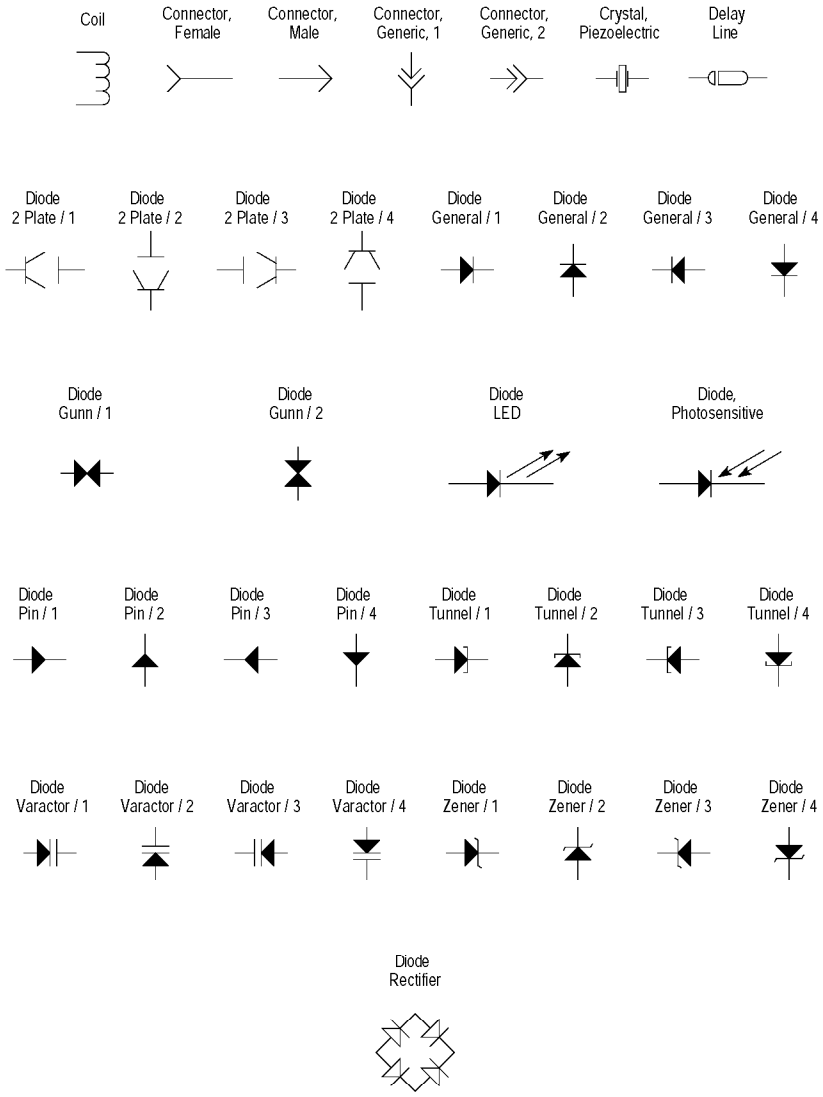
Solar Cell 2

Circuit Breaker

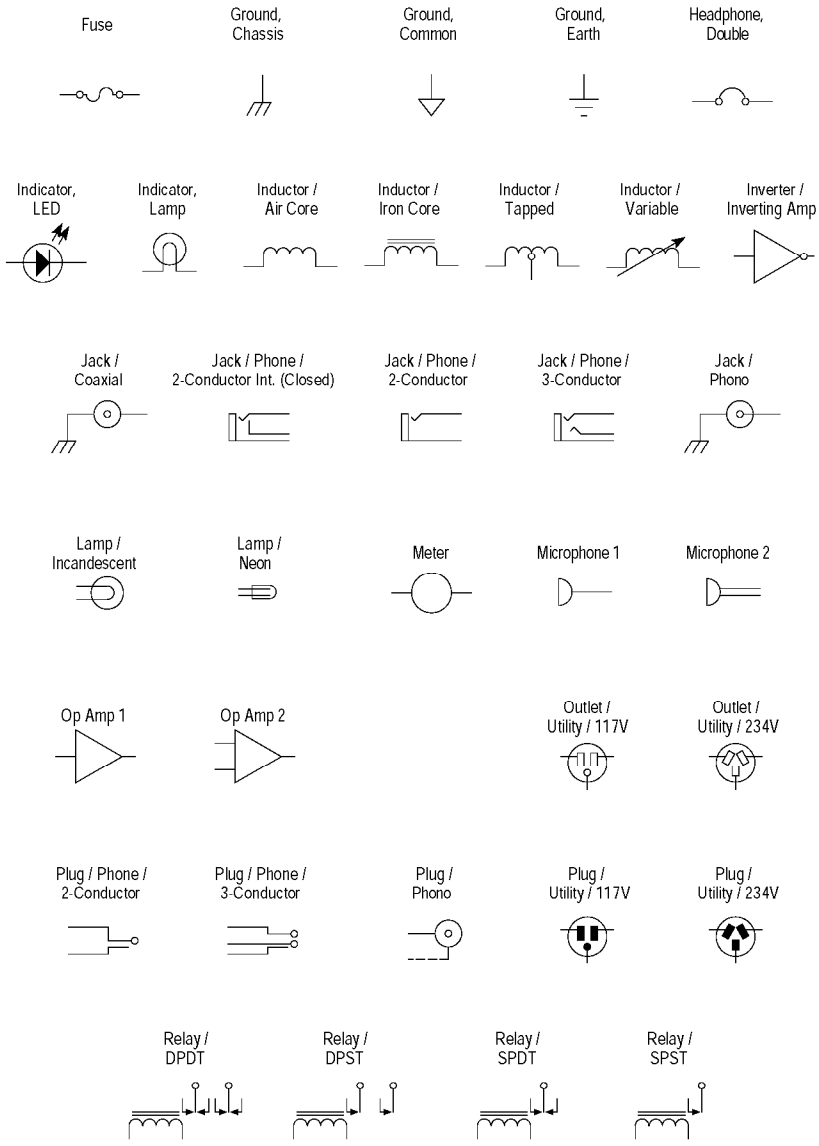
Coaxial Cable 1

Coaxial Cable 2

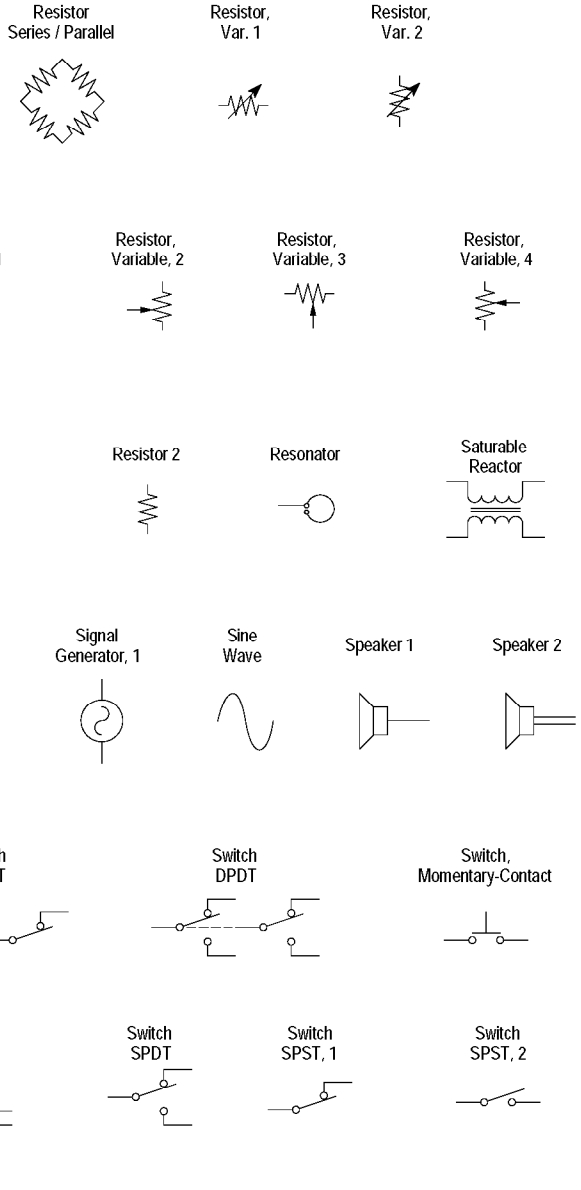
# General Schematics Library, A - D, continued



# General Schematics Library,
# F - S



## General Schematics Library, F - S, continued



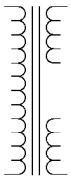
# General Schematics Library,
# T - V

Thyristor, Diac

Thyristor, SCR

Thyristor, Triac

Transformer, 2 Step Down



Transformer, Air Core

Transformer, Iron Core

Transformer, Step Down

Transformer, Tapped Primary

Transformer, Tapped Secondary

Transistor JFET, N

Transistor JFET, P

Transistor MOSFET, N

Transistor MOSFET, P

Transistor MOSFET, N En

Transistor MOSFET, P En

Transistor NPN 1

Transistor NPN 2

Transistor NPN 3

Transistor NPN 4

Transistor PNP 1

Transistor PNP 2

Transistor PNP 3

Transistor PNP 4

Transistor Unijunction

Transistor MOSFET, Dual N

Transistor MOSFET, Dual P

## General Schematics Library, T - V, continued

Tube Diode

Tube Pentode

Tube Photomultiplier

Tube Tetrode

Tube Triode

Unspecified Component

Voltage +15V, 1




Voltage +15V, 2

Voltage +5V, 1




Voltage +5V, 2

Voltage -15V, 1



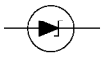

Voltage -15V, 2

Voltage -5V, 1



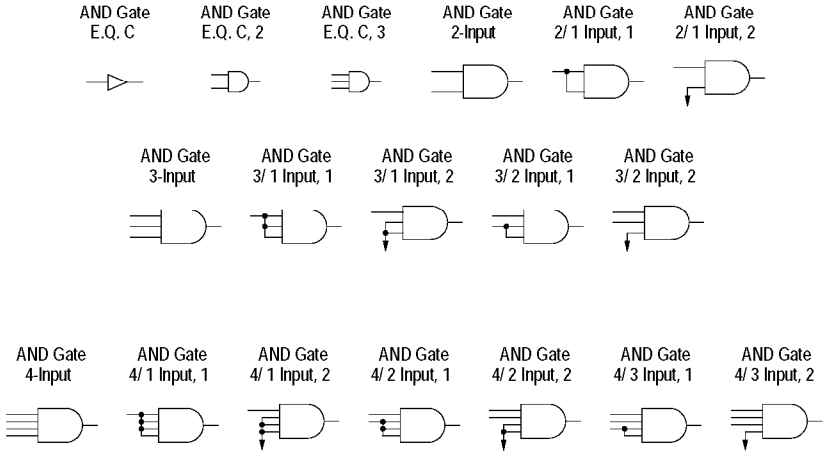

Voltage -5V, 2

Voltage Regulator, 1

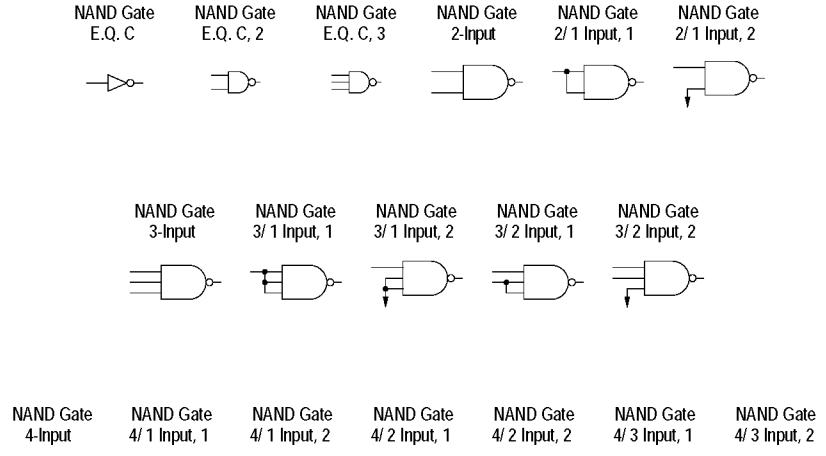


Voltage Regulator, 2

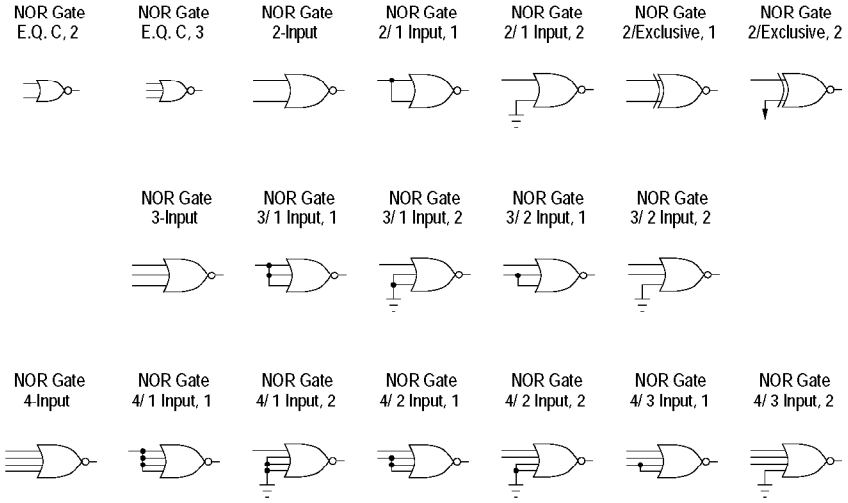
## AND Gates

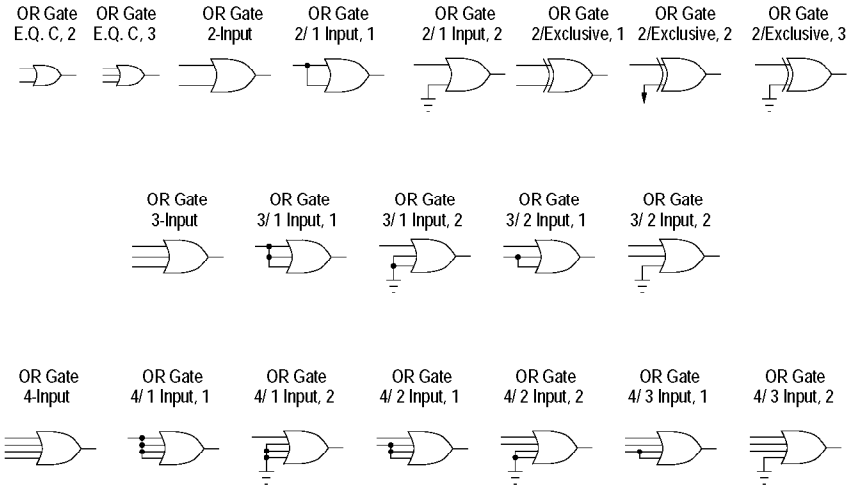



## NAND Gates



## NOR Gates




## OR Gates