

CATALOGS, MAGAZINES, DATABOOKS

APPENDIX M

Here are some recommendations for data books, catalogs, and magazines; some have become on-line services only (e.g., IC Master). You will need some of these if you want to practice electronic design.

“Master” catalogs

EEM (Electronic Engineer’s Master) *lists all categories of electronic stuff*

IC Master *ditto, for ICs*

Octopart *excellent on-line part (and datasheet) finder*

Parts and equipment catalogs

Digi-Key Corp (a distributor), *wide range, quick delivery*
Mouser Electronics (a distributor), *wide range, quick delivery*

Newark/Farnell Electronics (a distributor), *best broad-line catalog*

Allied Electronics (a distributor), *similar to Newark*

TechniTool (a distributor), *measurement, assembly, and test tools*

Stanley Supply & Services, (a distributor) *equipment and supplies for assembly*

Keysight Technologies (Agilent, HP), *broadest manufacturer of test and measurement equipment*

Tektronix, *test and measurement equipment, especially scopes*

Fluke, *test and measurement equipment*

Stanford Research Systems (SRS) *test and measurement equipment; great documentation and app notes*

Magazines and tabloids

EDN, *keeps you up to date on new products and methods*

Electronic Design, *ditto; a bit thin, lately*

Electronic Products, *ditto, emphasis on products only*

EE Times, *tabloid format*

Computer Applications Journal, *microcontroller project mania*

Circuit Cellar Ink, *emphasis on microcontrollers*

Nuts and Volts, *quirky do-it-yourself, tabloid format*

Make Magazine, *cool stuff you can build*

Data books; short-form/design guides A starter selection, with product emphasis.

Altera: cPLD, FPGA

Analog Devices: all linear functions; converters; DSP

Atmel: PLDs and microcontrollers

Avago (← Agilent ← HP ← Avantek): opto, rf

Cirrus/Apex: power op-amps etc.

Cypress: memory, processors

Diodes Inc/Zetex: discretes, etc.

Fairchild: discretes, linear, digital

Freescale: processors, DSP, automotive

IDT, Micron, Samsung: memory

Infineon: discrete, power, processors, RF

Intel: microprocessors and microcontrollers

Linear Technology Corp: all linear functions

M/ACom: RF and microwave

Maxim/Dallas: linear, digital, μ C

MiniCircuits: RF – broad line, inexpensive

NXP (Philips): logic, microcontroller

ON Semi/Sanyo: linear, logic, discrete

Renesas: discrete, memory, processors

TI/National/Burr-Brown: linear, logic, opto, power, processors, DSP

Xilinx: cPLD, FPGA

Datasheets (in *.pdf format) are available online from nearly every semiconductor manufacturer’s website; try, e.g., www.analog.com, www.maxim-ic.com, www.linear.com, www.ti.com, etc.

Another way to find datasheets, prices, and availability is via a search website like octopart.com or findchips.com; these display price and inventory (and sometimes datasheets), and link you through to the stocking distributor.