

Prototyping Links
 BME2151 "Introductory Medical Device Prototyping"
 Prof. Steven S. Saliterman

	Supplemental Reading	Link
1	1N4728A-1N4764A, Zener Diodes	Zener Diodes
2	2N2222, Transistor	2N2222
3	2N3904, Transistor, STMicrosystems	2N3904
4	4017, Decade Counter IC	4017
5	4049B, Hex Inverting Buffer	4049B
6	4511B, BCD to 7-Segment	4511B
7	4518, Dual Up Counters IC	4518
8	555, Timer	555
9	741, Single Operational Amplifier	741
10	74HC00, Quad 2-Input NAND	74HC00
11	74HC125, Quad Buffer Line Driver, 3 State	74HC125
12	74HC14, Hex Inverting Schmitt Trigger	74HC14
13	74HC74, Dual D Flip Flop	74HC74
14	74LS126, Quad 3-State Buffer	74LS126
15	7-Segment Display 5082-7760	7 Segment Display Data Sheet
16	7-Segment Display DL7760	7-Segment Display
17	7-Segment Display Interface to Arduino	7-Segment Display Interface
18	Adhesives for Medical Devices	Adhesives Medical Devices
19	Amplifier, Electronics Tutorials	Amplifiers
20	Analog Circuit Basics, National Instruments	Basic Analog Circuits
21	Biopolar Junction Transistors	Biasing Calculations
22	Bridge Rectifier, What is it?	Bridge Rectifier
23	C, Advanced C by Peter D. Hipson	Advanced C
24	C Virtual Workshop, Cornell	C Workshop
25	Common Emitter Amplifiers Electronics-Tutorial	Common Emitter Amplifier
26	Countersink Catalog, M.A. Ford Company	Countersinks
27	Cylinders, Allen Air	Cylinders
28	Debouncing, A Guide to , Gack G. Ganssle	Debouncing
29	Digital Circuits Fundamentals, NI	Digital Circuits
30	Digital Logic, Understanding, Nuts and Volts Part 1	Digital Logic Part 1
31	Digital Logic, Understanding, Nuts and Volts Part 2	Digital Logic Part 2
32	Digital Logic, Understanding, Nuts and Volts Part 3	Digital Logic Part 3
33	Digital Logic, Understanding, Nuts and Volts Part 4	Digital Logic Part 4
34	ET-MINI ISD2548 Sound Recorder	Sound Recorder
35	FDA Process of 3D Printing Medical Devices	FDA 3D Printing Process
36	FDA, Draft Guidance for 3D Printing	FDA 3D Printing Guidance
37	Fluoropolymers, The Polymer Minute	Fluoropolymers
38	Geometric Dimensioning and Tolerancing Symbols	GD & T Symbols Reference
39	HSMWorks HSMXPress Download	HSMXPress
40	I ² C and SPI protocols, Introduction to	I2C and SPI Protocols
41	I ² C Protocol	I2C Protocol

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42	I ² C User Manual	I2C User Manual
43	Inductance and Magnetic Energy, MIT	MIT Inductance
44	Inductors - Electronic Tutorials	Inductors
45	Inductors in Parallel, Electronics Tutorials	Inductors in Parallel
46	Inductors in Series, Electronics Tutorials	Inductors in Series
47	Instrumentation Amplifiers, Designers Guide	Guide to Instrumentation Op Amps
48	LED, Round, Data Sheet	LED Round
49	MOSFET IRF510 & IRF511	IRF511
50	Multisim and Inductors, National Technology & Science	Multisim & Inductors
51	Multisim and Ultiboard, NI, Getting Started	Circuit Design Suite
52	Multisim Component Reference Guide	Multisim Component Guide
53	Multisim to Simulate Electronic Circuits	Multisim Examples
54	Multisim Tutorial	Multisim Tutorial
55	Multisim Workbench - Simulation and Capture	Multisim Workbench
56	Multisim, Introduction Part 1, Mohamad Eid	Multisim Part 1
57	Multisim, Introduction Part 2, Mohamad Eid	Multisim Part 2
58	Multisim, Introduction, NI	Multisim, Introduction
59	NI ELVIS II User Manual	NI ELVIS II Manual
60	NPN Transistor, Electronics Tutorials	NPN Transistor
61	Nuts and Bolts, Metric	Metric Nuts and Bolts
62	Op-Amp 741 Tutorial, van Roon, T	Op-Amp 741 Tutorial
63	Op-Amp Applications Handbook, Jung WG	Op-Amp Handbook
64	Op-Amp Applications, Sannibale VO 2003	Op Amp Applications
65	Op-Amp Single-Supply, Texas Instruments	Single Supply Op-Amp
66	Op-Amp, Differential Circuit Collection	Op-Amp, Circuit Collection
67	Op-Amp, Single Supply, Application Bulletin	Op-Amp Single Supply, Application
68	Op-Amp, Single Supply, Design	Op-Amps, Single Supply, Design
69	Op-Amp, Single Supply, Design Trade-Offs	Op-Amp, Single Supply, Trade-Offs
70	Op-Amps for Everyone Third Edition 2009 (TI)	Op-Amps for Everyone
71	Polymer Biocompatibility, ICC de Moraes Porto	Polymer Biocompatibility
72	Practical Electronics for Inventors, 1st Ed., P. Scherz	Practical Electronics for Inventors
73	Printing Materials, Stratasys Choosing the Right	Printing Materials
74	Relay Control with a Digital Logic Level	Digital Control of Relays
75	Sensors and Actuators with Arduino, Halvorson	Sensors and Actuators
76	Silastic Adhesive, Dow	Silastic Medical Adhesive
77	Silicone Skin Adhesive, Dow	Silicone Skin Adhesive
78	Silicones in Medical Applications, X. Thomas, Dow	Silicones in Medical Applications
79	SPI Block Guide V03.06	SPI Block Guide
80	StrataSys 3D PolyJet - Biocompatibility & Index	PolyJet
81	Thermoplastics, Stratasys	Thermoplastics
82	Training - AutoDesk Inventor	Inventor
83	Transistor as a Switch, Ermicroblog	Transistor as a Switch
84	Transistors and Gain, William & Mary Physics	Transistors and Gain

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85	TTL Cookbook, D. Lancaster	TTL Cookbook
86	UART 16550D	UART 16550D
87	USB Serial Bus Specifications	USB Bus
88	Wheatstone Bridge Sensors, Introduction, TI	Wheatstone Bridge Sensors
89	Wheatstone Bridge, NI Multisim	Wheatstone Bridge
90	Wheatstone Resistive Bridge Signal Conditioning, TI	Wheatstone Bridge Signal
91	Zener Diodes, Evil Mad Scientist	Zener Diodes