

### ECT 213 Digital Circuits Spring 2008

<b>Name</b>	<b>Description</b>
74LS00	Quad 2-input Nand Gate
74LS02	Quad 2-input Nor Gate
74LS04	Hex inverter
74LS08	Quad 2-input And Gate
74LS11	3-input And Gate
74LS21	4-Input And Gate
74LS32	Quad 2-input And Gate
74LS42	BCD-to-Decimal decoder
74LS47	BCD-to-7seg. Decoder
74LS74	Dual D-flip-flop
74LS76	Dual JK flip-flop with preset and clear
74LS83	4-bit binary Full Adder
74LS85	4-bit magnitude comparator
74LS86	Quad Exclusive Or
74LS151	8-input multiplexer
10uF electrolytic capacitor	@ cap, Radial, Mini, 5MM, 10uF, 35V
0.1uF electrolytic capacitor	Cap, 0.1uF, 50V, Elect, VZ, radial
Single-In-Line 1k	10-pin bus
Single-In-Line 330	10-pin bus
Dip Switches Value Pro	8-Pos Rocker
555 timer IC	Precision Timer, NE 555P
Dual-In-Line "DIP" Resistor Network	330 $\Omega$ Resistor Network
7-Segment Display	DISPLAY,SINGLE DIGIT,YELLOW, 585nm,LHDP,3Vf20mA,2.3mcd10mA
LEDs	Various Colors (at minimum 10)
SPDT	SWITCH,ROC,MIN,SPDT,ON-ON
Breadboard and Wire Kit	3220 T/P 4B/P BREAD BOARD & JUMPERS
Logic Probe	Logic Probe Model LP-560