

EE201L Component List

A team of two students is given Kit A (a bag of components consisting of some TTL/CMOS chips, LEDs, switches, and resistors) to perform the Voting Machine lab. Additional components may be issued if necessary).

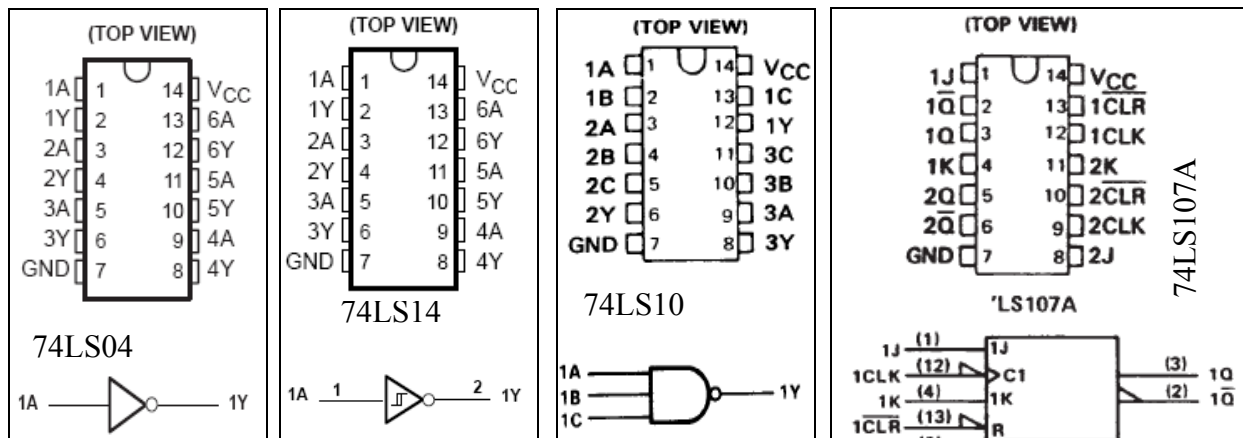
Discrete component kits:

- **Kit_A:** 74LS04(1) (six inverters)
- **Kit_A:** 74HCT04 / 74HC04(1) (six inverters) <= Double-underline indicates preferred choice.
- **Kit_A:** 74LS10 / 74HCT10 / 74HC10 (2) (three 3-input NAND gates)
- **Kit_A:** 330 ohm resistor (4)
- **Kit_A:** 10k ohm resistor (4)
- **Kit_A:** LEDs (4)
- **Kit_A:** DIP Switch (4) or one 4-in-1 package

Nexys3 Box with Nexys3 FPGA board + USB Cable <= return it at the end of the semester

Most of the labs and the final project are performed using this board. **If you lose** it, you need to pay their replacement cost (about \$130 including shipping cost) to the EE-Dept. or replace it by procuring it from Diginent Inc (<http://www.digilentinc.com/>).

Extract from www.ti.com showing the pinout of the TTL chips:



Extract from www.ti.com showing the pinout of the HCT/HC series chips (pinout same as LS series chips):

