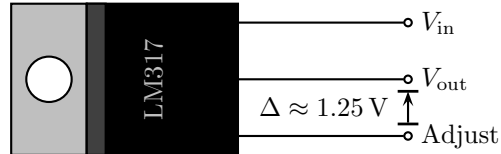
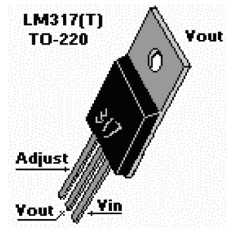


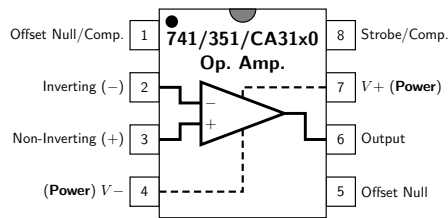
# Part Pin-outs

## Lab 7: Project Integration

ECE 327: *Electronic Devices and Circuits Laboratory I*

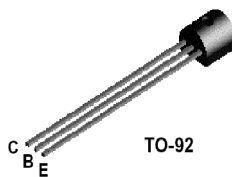
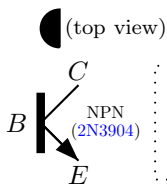


LM317 3-terminal adjustable regulator

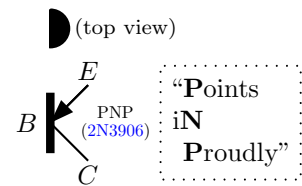


The CA3130 can be used as a replacement for the CA3160. However, capacitance between 45 pF and 100 pF must be added from pin 1 to pin 8 (for feedback stability compensation).

LM741/LF351/CA3130/CA3160 op. amp.

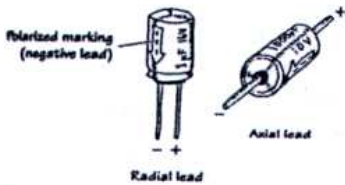


$V_{BE} \approx 0.65 \text{ V}$   
 $V_{CE, \text{saturation}} \approx 0.2 \text{ V}$   
 $\beta \approx 100$

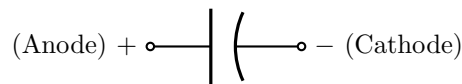


2N3904 NPN/2N3906 PNP Bipolar Junction Transistor (BJT)

### Electrolytic



“ACE” — “Anode Current Enters”  
 “CCD” — “Cathode Current Departs”



Electrolytic capacitor