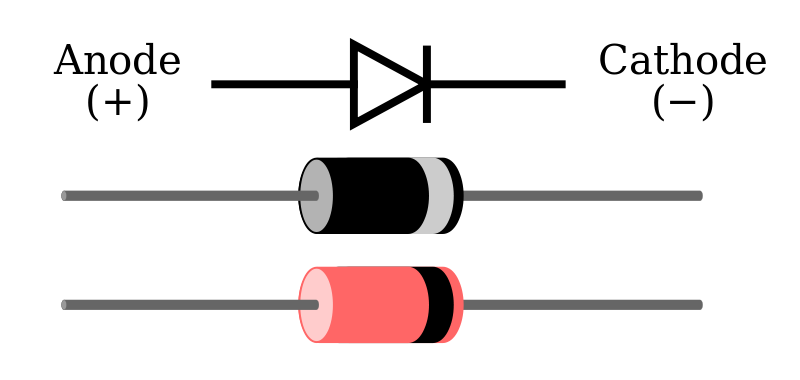
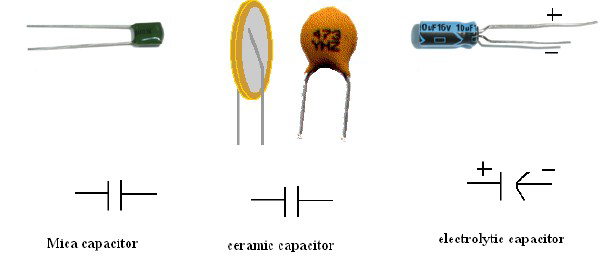
**Component Polarities**

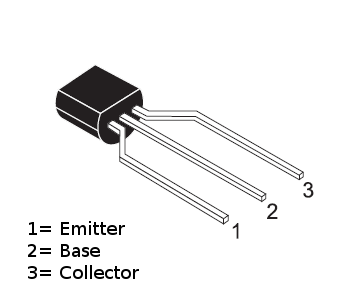
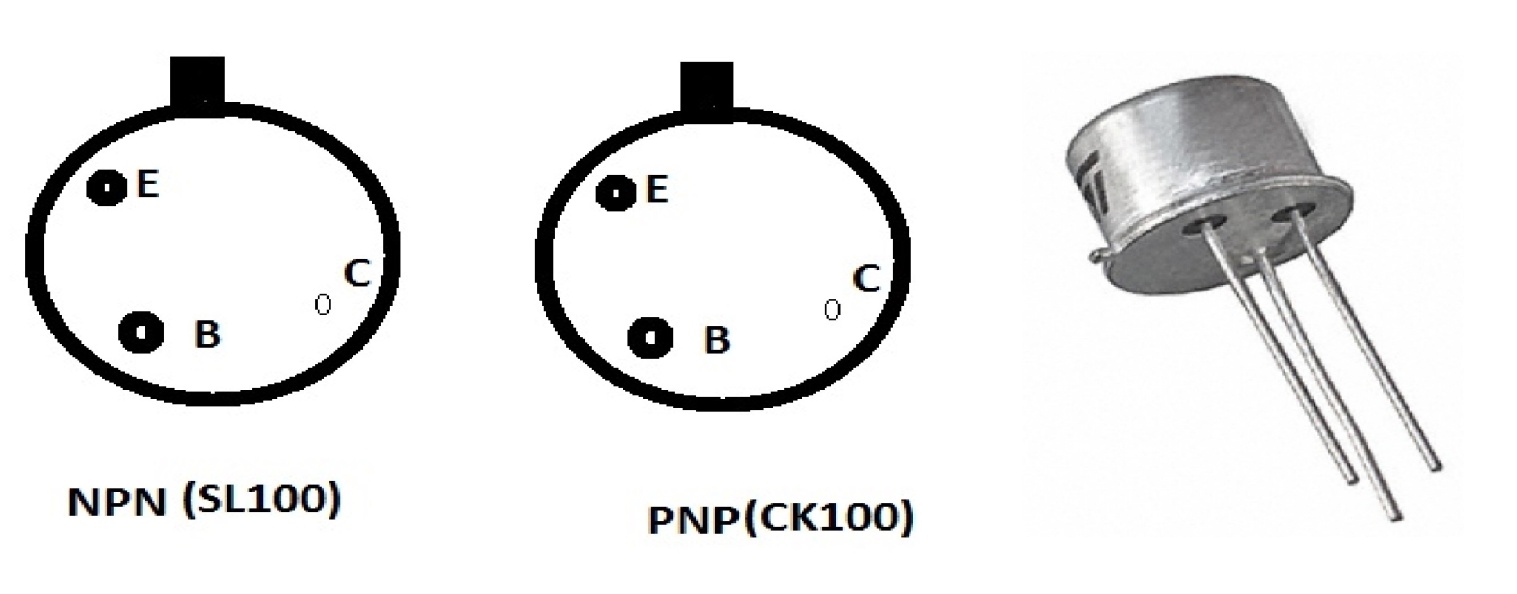
* **Diode:**



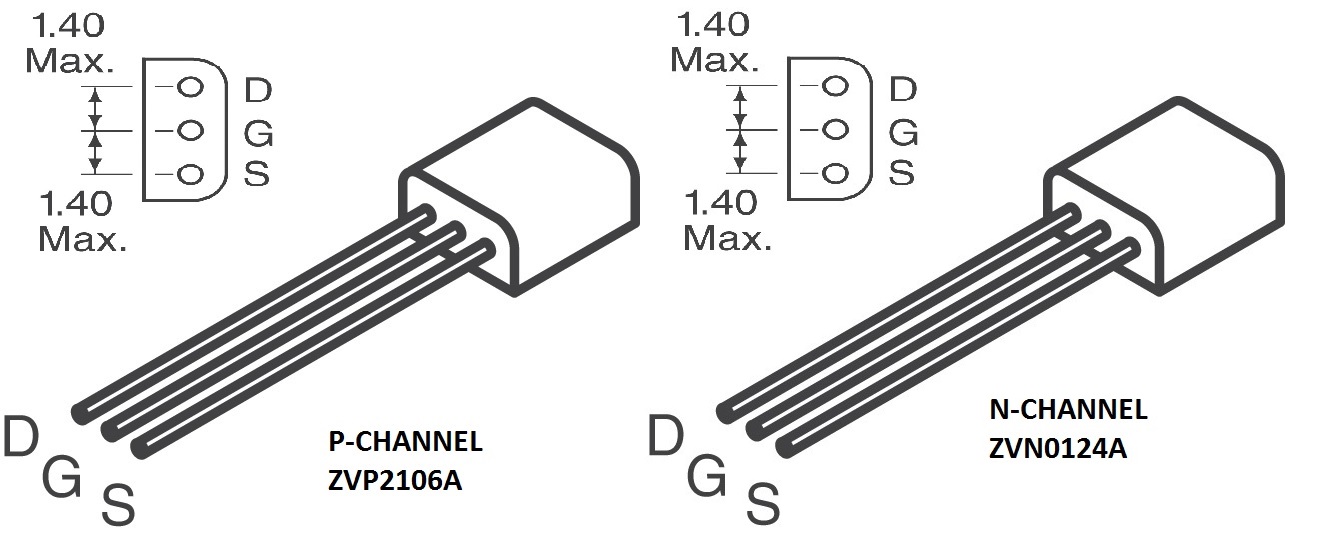
* **Capacitor:**



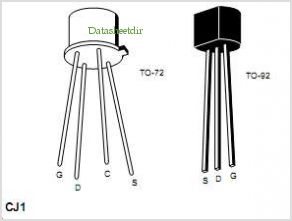
* **BJT:**

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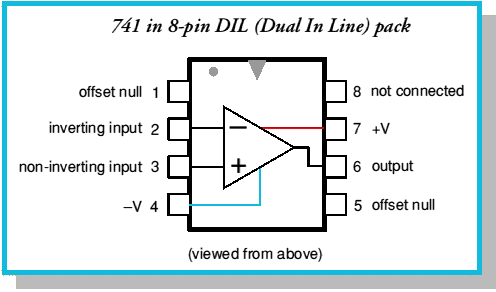
* **NMOS and PMOS**

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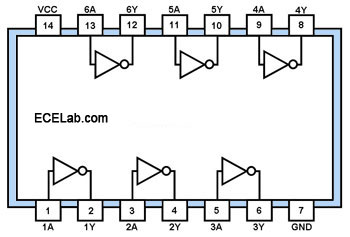
* **JFET:**



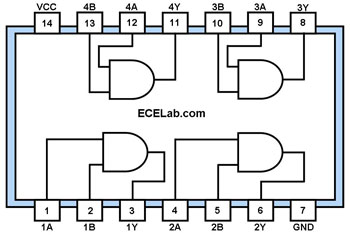
* **Op-Amp (IC741):**



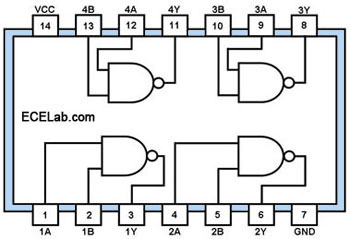
* **7404 - inverter**



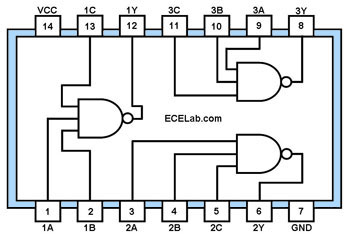
* **7408 - 2-input AND Gate**



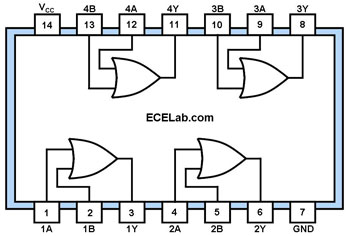
* **7400 - 2-input NAND Gate**



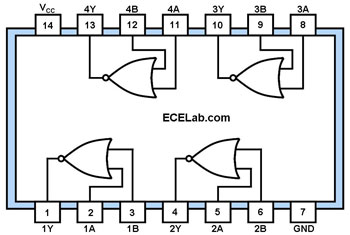
* **7410 - Triple 3-input NAND Gate**



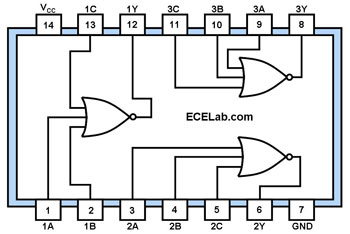
* **7432 - 2-input OR Gate**



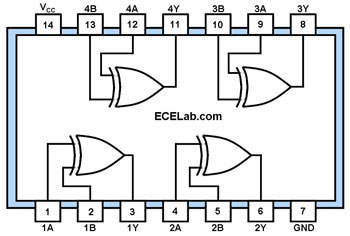
* **7402 - 2-input NOR Gate**



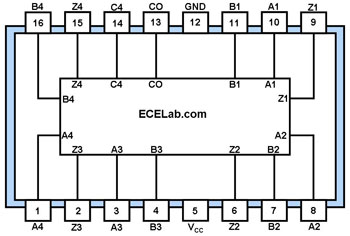
* **7427 - Triple 3-input NOR Gate**



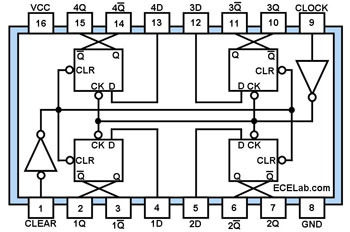
* **7486 - 2-input XOR Gate**



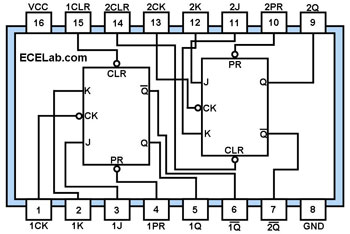
* **7483 – Adder**



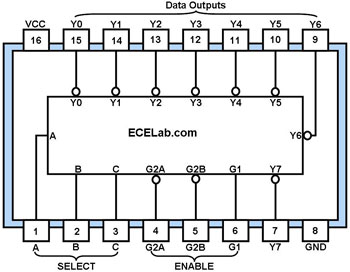
* **74HC175 – Quad D Flipflop**



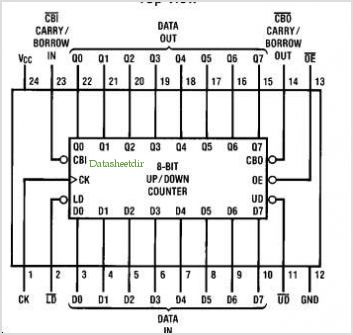
* **74HC112 – Dual JK Flipflop**



* **74HC138 - 3to8 Decoder**



* **74LS469 – 8-Bit Up/Down Counter**



**Ref:** <http://www.ecelab.com/pin-outs/pin-outs.htm>