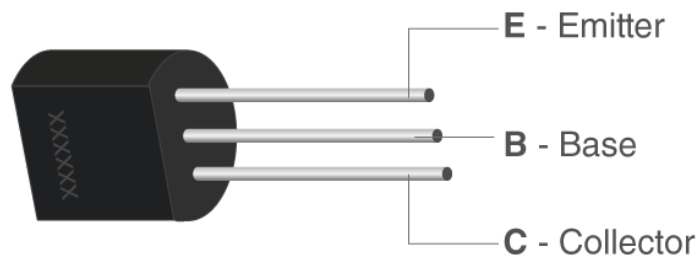


West Islip High School
Engineering Technology Department

Transistors

PARTS OF A TRANSISTOR



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The main difference between the NPN and PNP transistor is, an **NPN** transistor turns on when the current flows through the base of the transistor. In this type of transistor, the current flows from the collector (C) to the emitter (E).

A **PNP** transistor turns ON, when there is no current at the base of the transistor. In this transistor, the current flows from the emitter (E) to the collector (C). Thus, knowing this, a PNP transistor turns ON by a low signal (ground), where NPN transistor turns ON by a high signal (current).

