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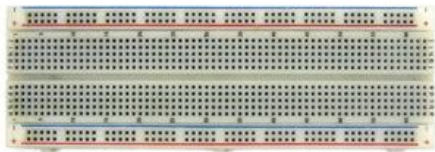


Introduction To Digital Electronics – Lesson 2: Number Systems

PARTS

The following information is meant to go with the online lesson found here:
http://www.pyroelectro.com/edu/digital/number_systems/

PARTS USED WITH BINARY

Although this lesson didn't have much in the ways of experimentation, we did briefly go through how LEDs, breadboards and resistors can be combined together to represent binary numbers. Below we'll go through the parts used and explain some details about how and why they are necessary.

Picture	Part	Usage
	Breadboard	The platform that we use to build and prototype electronics on is called a breadboard. It allows us to easily connect together a circuit with an IC or LEDs with electrical wire called jumper wire.
	LEDs	To represent binary we like to use LEDs since an LED that is off can represent a binary 0 and an LED that is on can represent a binary 1.
	Resistors	When connecting LEDs to a circuit you will always need to use a resistor before the LED to prevent too much current from flowing through the LED. Therefore these resistors get the name, 'current limiting resistors' since that is their sole task in life.

ADDITIONAL INFORMATION

To ask questions about anything found in this information please head on over to the forums located at:

<http://www.pyroelectro.com/forums/viewforum.php?f=21>