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Introduction To Digital Electronics – Lesson 12: 4000 Series Logic Devices

PARTS

The following information is meant to go with the online lesson found here:
http://www.pyroelectro.com/edu/digital/4000_logic/

SOME ADVANCED 4000 SERIES PARTS

Another type of logic device comes in the form of the 4000 series. These devices are typically more specialized than their 7400 brothers and in this lesson we went over 3 examples of what they have to offer. Below are the 3 devices in more detail:

Picture	Type	Description
	4008 4-bit Adder	This IC is a 4-bit adder. It takes two 4-bit binary numbers and adds them together. There is a carry bit in case the resulting number is over 4-bits. Datasheet Link
	4026 4-bit counter + 7 segment LED driver	This IC has two functions, it is a 4-bit decimal up counter and 7 segment LED display driver. The count value is output to the 7 segment display. Datasheet Link
	4511 7 segment LED driver	To drive a 7 segment LED display we have this device. It's simple, takes a BCD input and drive the 7 segment LED display with decimal values. Super easy to use! Datasheet Link

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>