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

FORMULAS

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

4000 SERIES LOGIC IC DATASHEETS

The 3 main IC's explored in this lesson were the MC14008, CD4026 and CD4511. Each of these IC's has a primary and it is important to know the details of each individual part before you attempt to use it in any circuit. Here you can find the locations of each datasheet for these three parts:

MC14008 – 4-Bit Adder

Onsemi: http://www.onsemi.com/pub_link/Collateral/MC14008B-D.PDF

CD4026 – 4-Bit Counter + 7 Segment LED Driver

Texas Instruments: <http://www.ti.com/lit/ds/symlink/cd4026b.pdf>

CD4511 – 7 Segment LED Display Driver

Texas Instruments: <http://www.ti.com/lit/ds/symlink/cd4511b.pdf>

ADDITIONAL INFORMATION

If you have any questions about the formulas or information found in this document, please feel free to head on over to the forums and ask us some questions!

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