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Introduction To Digital Electronics – Lesson 10: Design An LED Chaser

FORMULAS

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

DATASHEET LOCATIONS

The 3 main IC's used in this experiment were the 74HC02, 74HC08 and 74HC74. Each of these IC's has a primary function in the circuit however it is important to know the details of each individual part before you look at the circuit level. Here you can find the locations of each datasheet for these three parts:

74HC02 – NOR Gate Logic IC

Onsemi: http://www.onsemi.com/pub_link/Collateral/74HC02.PDF

74HC08 – AND Gate Logic IC

Onsemi: http://www.nxp.com/documents/data_sheet/74HC_HCT08.pdf

74HC74 – D Flip-Flop Logic IC

Onsemi: http://www.onsemi.com/pub_link/Collateral/74HC74.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>