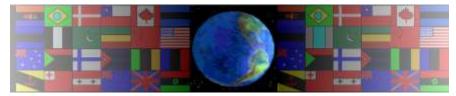
THE 4017B DECADE COUNTER

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On behalf of The World Association of Technology Teachers

W.A.T.T.



World Association of Technology Teachers

This exercise can be printed and used by teachers and students. It is recommended that you view the website (www.technologystudent.com) before attempting the design sheet.

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THE 4017B DECADE COUNTER

÷10 J E I

5 6

16 15 14 13 12 11 10 9

4017B

FBACGHD

4 5

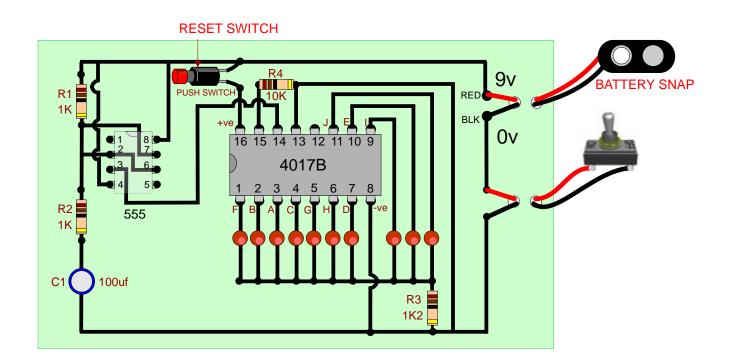
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1. How many pins does the 4017b have?

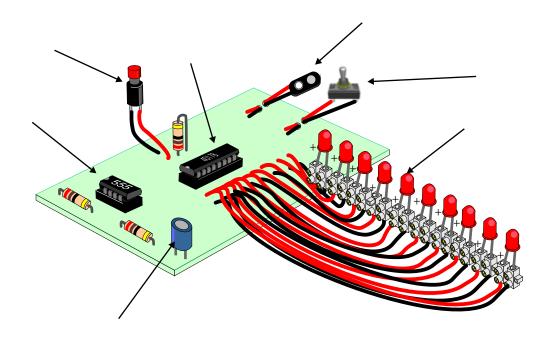
2. The 4017b counter is often combined with another common integrated timer circuit. What is it called?

3. On the 4017b diagram opposite label the RESET, CLOCK IN, ENABLE, -VE and +VE.

- 4. What are pins 'A' to 'J'?
- 5. Look carefully at the circuit below. Describe what it doe and how it works.



6. Below is a 3D view of the decade counter circuit. Label the components.



7. The high power TIP 31A Transistor Circuit can be included as an alternative output to drive motors and solenoids. Describe how this could be used in a project.

