Level I CEET - Basic Electronics – LM555 & 556 Timer Pin Out Lesson

1. Go to the Internet and print out a DATA Sheet for the Texas Instruments 555 and 556 Timer Chips then answer the questions that follow about each one.   Attach the DATA Sheets to the answer sheet for full credit for this lesson please.

2. How many pins does the LM555 Timer package have? _____

3. What is the 555 timer package called? _____.

4. Pin one of the 555 is connected to _____ in an electronic circuit.

5. The reset pin is number _____.

6. What is the maximum voltage rating a 555 timer package can handle? _____ volts.

7. What is the purpose of pin number 3 on the 555 timer? _____.

8. Vcc is the _____ voltage.

9. True or False The LM555 is a direct replacement for the NE555 and SE555 timer chips.

10. True or False   The LM555 is also a direct replacement for the 556 timer chip.

11. List 5 Applications the 555 timer can be used for.

   a. _____   b._____

   c. _____   d._____

   e. _____

12. The 555 Timer can operate in time bases from _____ through _____.

13. The 556 Timer is equipt with _____ pins for connection on the package.

14. Pin Number _____ is the ground pin for an electronic circuit connection.

15. What does NC mean on the FK package 556 DATA Sheet ? _____.

16. How many reset pins does the 556 package have? _____

17. The 556 timer is _____ 555 timers in one package.

18. The output of the 556 is fully compatible with _____, _____ and _____.

19. The FK Package has a count of _____ pins and _____ of these are no connection.