

Electronic Basics #7:

In this video we can learn about:

1)What is the structure of 7 segment display?

=1 digit 7 segment display has 8 LED,7 are used for the bars and 1 for the decimal point.These LED are connected to a common anode configuration which are the pins 3 or 8.

1)How can I make a project with 7 segment display without using microcontroller?

=We can display numbers without microcontroller by using BCD to seven segment display driver which model is SN724LS247.To connect wire of the circuit we should follow the SN724LS247 datasheet. To count number sequentially with seven segment, we should use SN74290 4-bit binary counter.

2)How can I control two digit seven segment display with Arduino?

=Two digit seven segment display has 16 LED and common anodes. To control two digit 7 segment display, we should use the way of multiplexing. We can control multiplexing with 12 pins where 8 pins are used for the cathode of all bars and 4 for the common anodes.To control 2 digit 7 segment display, we can use an IC which model is SAA1064