

Breadboard Parts and its types

➤ Introduction

- *The most important component to understand and to experiment and to learn electronics is breadboard.*

➤ Uses and Look of Breadboard

- *So, this is the breadboard and what is this breadboard all above this is actually the playground of electronics it is used to test the electronic components and use practice it is not used in making of real robot it is just like a thing where you can test and practice with your components.*

So let me share you some detail stuffs about this thing.

➤ What is Breadboard?

- *It was actually designed by Ronald J Portugal in 1971*

- *It is a platform where you can design and test electronic circuits using various electronic components.*
- *And there are three different parts which are:*

- 1. Power Rails*
- 2. Terminal Strips*
- 3. Dual Inline Package*

- *So, the top and the bottom 2 lines are called power rails the center divider is what we call as dual inline package and the dots on the breadboard are the terminal strips 5 vertical holes is termed as one strip.*

➤ ***Back of Breadboard***

- *This is how the backside of the breadboard of looks like and now the dual inline package we also call it as DIP support. So why do we use DIP support because certain components cannot be fixed one particular terminal strip, they require the*

support of both the terminal strips and that is why it is called as dual which is 2 inline. So, this power rails and terminal strips they have metal clips at the back you can see that in the image. So, if I just put a battery in any two holes you will see that and we will talk about batteries in the in the next video.

➤ **Multi Breadboards and Mini Breadboards**

- We have different options we have mini breadboards you can also combine two or three breadboards. Then you have strip board and prototype board.