

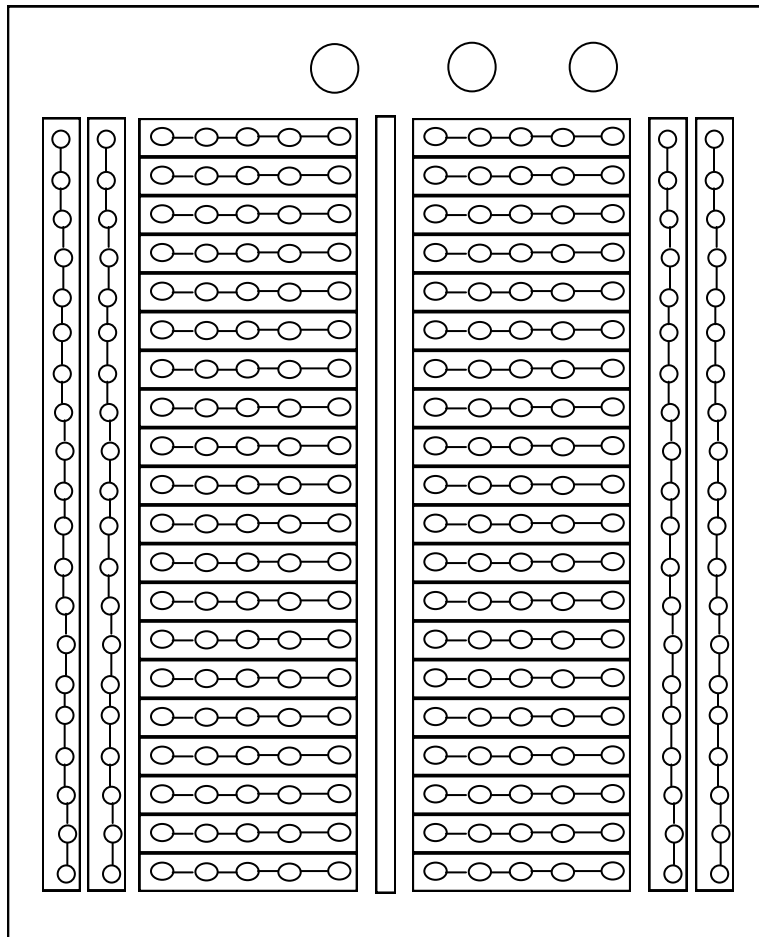
The Prototype Board: How it works

You plug electronic components (wires, resistors, capacitors, opamps, and so on) into the prototype board to make a functioning electronic circuit. The prototype board consists of horizontal and vertical segments.

Horizontal Segments: Notice how the horizontal connections are grouped into segments of 5 connection points each. Within any one horizontal segment all 5 points are internally connected together. The horizontal segments are what you use to build up your circuit.

Vertical Segments: The vertical segments are much longer and within a segment all points are internally connected together. Each vertical segment is independent. The vertical segments are commonly used for your power supply voltages (+15, -15) and for ground. Using the vertical segments in this way lets you access power or ground easily from the circuit you are building on the horizontal segments.

- Within any one horizontal segment, all 5 points are internally connected together.
- Each 5-point segment is independent of all the other segments.
- Each vertical segment is independent of all the other segments.



All 'proto boards' work like this. The MAE170 'Elvis' system works like this.