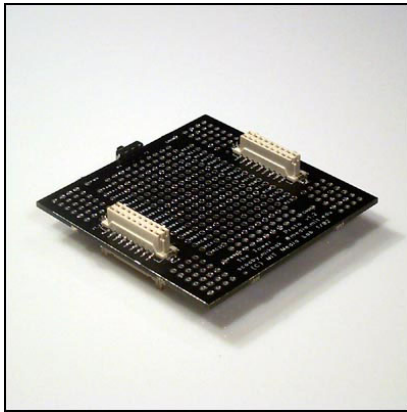


Proto Layer

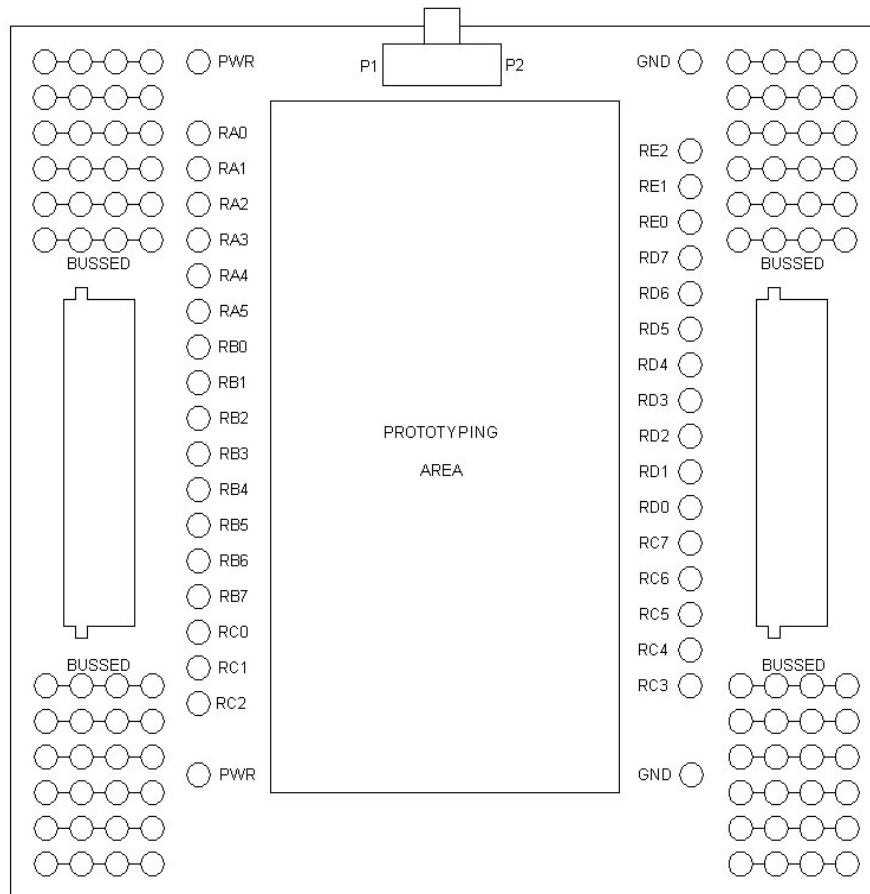


Description

The Proto layer is designed to give users the ability to wire up their own electronics into the Tower system. Essentially a blank perforated board with Tower connectors and tap points for every I/O pin, this layer can be used to quickly prototype new circuits and to connect external electronics to any of the available pins on the foundation.

Hardware Detail

The Proto layer has easy-to-access tap-points for all 33 I/O pins passed up from the PIC Foundation, as well as common distribution busses in each corner, and two power and ground connection points. The PWR points can be switched between the primary and secondary power busses by the switch at the top of the board. An overview of the board is shown below:



Layer Code

Since the Proto layer can be built up and configured in any way the users desires, there is no actually pre-existing layer code for it. All communications with anything built on the layer are done directly with the processor on the foundation.

Examples of Use

Since the Proto Layer has no inherent functionality, there are no specific examples of how to communicate with it. For general I/O communication, please refer to the documentation for the Foundation that you are using.