The Project: Building The Board

- Cut the board to size (24 strips x 35 holes) and make the track cuts as shown in the diagram.
- Solder in the three chip sockets first and then all the wire links.
- Solder in the four resistors. It does not matter which way around these are fitted onto the board.
- The two 0.1μF capacitors can also be fitted in either orientation, but the large 1000 μF smoothing capacitor must be fitted with the positive terminal at the side of the board with the two chips.
- Now fit the chips in position, making sure that they are the right way around. The end of the chip with a notch in it should be at the side of the board with the two chip sockets.
- Check the whole board very carefully. Check not only that all the components are correctly positioned, but also that there are no blobs of solder bridging across adjacent tracks. It is a good idea to run a sharp knife along the gap between each track to clear away any solder debris.