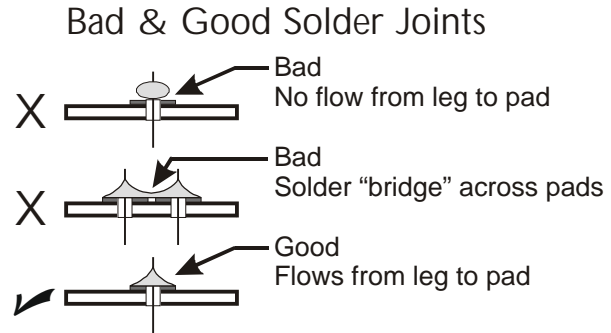
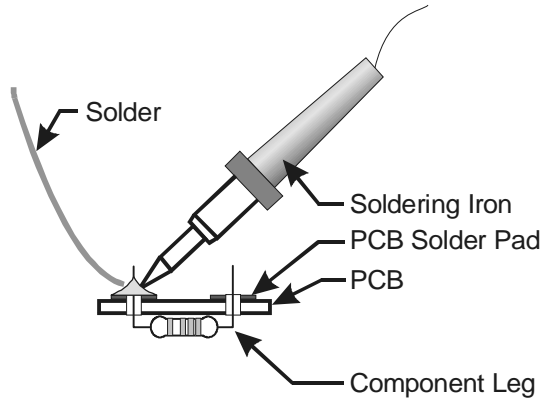


Soldering Tutorial

The most important skill needed to successfully construct your device is soldering. Make sure you start by using electronics solder, not plumber's solder. The main trick to getting a successful solder connection is to heat the junction up before applying the solder to the heated area. Do NOT try to melt some solder onto the tip of the iron and smear it onto the joint - you won't get a strong joint. You're a roboticist, not a painter!

If the heat is applied unevenly, you will get solder blobs (see below). To better apply heat, keep your soldering iron tip clean by wiping it frequently on a damp sponge or cloth. The tip should always be shiny, and not covered in tarnish and burned crud (don't burn crud - bad!).



Remember to take your time. Don't rush. It's almost impossible to "burn up" these parts!