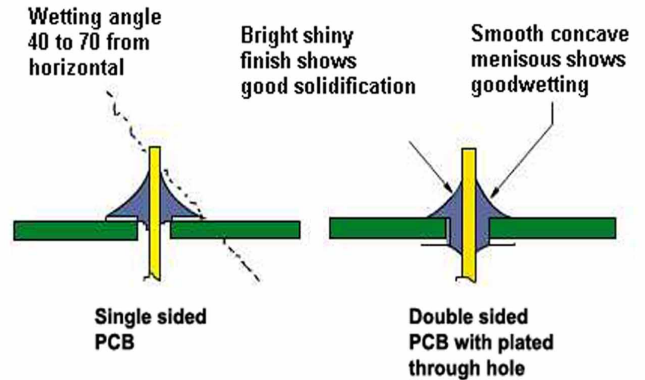
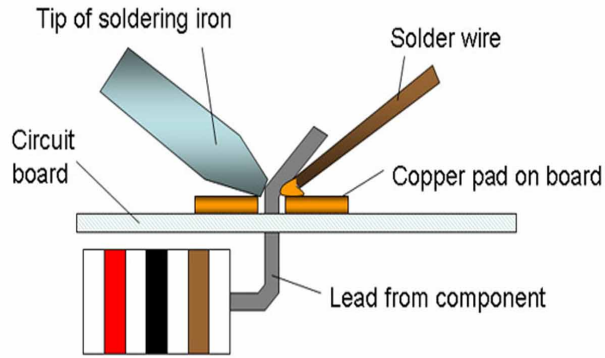


Soldering is the process of joining two or more electronic parts together by melting solder around the connection. Solder is a metal alloy and when it cools it creates a strong electrical bond between the parts.

Anatomy of Good solder joint



Soldering Equipment

Soldering Iron: The first thing you will need is a soldering iron, which is the heat source to melt solder. Irons of the 15W to 30W range are good for most electronics/printed circuit board work. Anything higher in wattage and you risk damaging either the component or the board.



Solder: Solder is a metal alloy material that is melted to create a permanent bond between electrical parts. It comes in both lead and lead-free variations. Inside the solder core is a material known as flux which helps improve electrical contact and its mechanical strength.

For electronics, it is traditionally a mix of tin and lead. Tin has a lower melting point than Lead, so more Tin means a lower melting point. Most common lead-based solder you'll find at the gadget store will be 60Sn/40Pb (for 60% tin, 40% lead)



Life must continue. And continue towards perfection, through progress, evolution, through self-initiative. Impatience can not lead to do that. Frustration is its enemy.

