Soldering workshop topics

What soldering is: primarily electric contact, not welding

Equipment

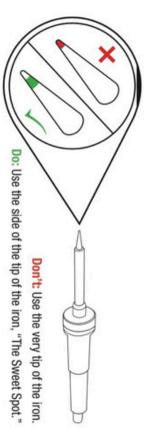
Soldering station vs iron Safety: hot & sharp, handling, cool down Fumes Correct temp by solder – leaded, unleaded, rosin core-flux cleaning & "tinning"

flush cutters wire strippers helping hands / stick vise / panavise desoldering aids

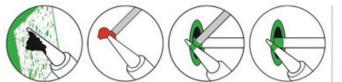
Through hole process Concave sucked in keeping it on the pads don't burn things out cold solder joint resoldering

Joining wires process Needs a mechanical connection Using heat shrink Solid core vs multi strand (tinning) Color choices Multiconductor options

Testing with multimeter: continuity and voltage



Solder flows around the leg and fills the hole - forming a



same time.

Do: Touch the iron to the component leg and metal ring at the

Do: While continuing to hold the iron in contact with the leg and metal ring, feed solder into the joint.

Don't: Glob the solder straight onto the iron and try to apply the solder with the iron.

Do: Use a sponge to clean your iron whenever black oxidization builds up on the tip.



