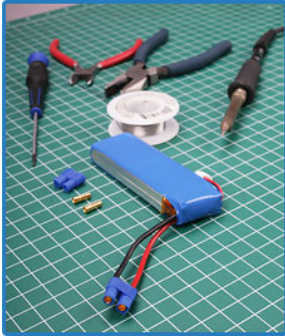


# E-flite EC3 Connector Assembly Tips

## EC3 Connector Assembly: Tin, Tin, Drop and Pop



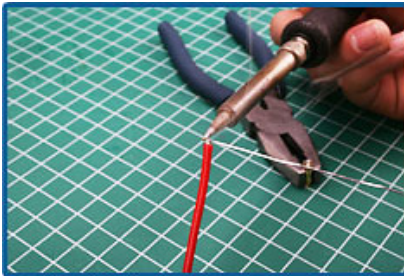
### The Assembly Process:

E-flite introduced the EC3 connector assembly to electric models of all types for use in a wide variety of electric model and power applications. It is commonly found on E-flite, Losi, Spektrum and Align products as standard equipment, and will also be found on other brand products in the near future. But, for those products that do not include a factory-installed EC3 connector, the steps outlined below will help you install the appropriate EC3 connector on your batteries, electronic speed controls, charge leads and more.



### A few tools are required for EC3 connector assembly.

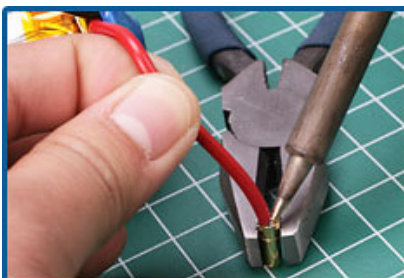
- 40-watt soldering iron
- Rosin-core solder
- Pliers
- Wire Stripper
- 1.5mm hex driver or small flat blade screwdriver
- EC3 Device (male) or Battery (female) connector



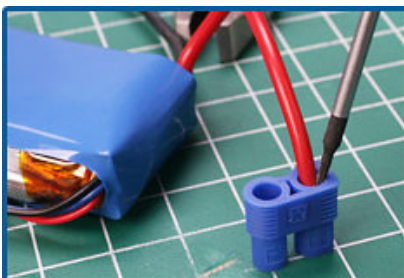
**Step One:** Strip one lead to expose about 2-3mm of wire. **IMPORTANT NOTE:** When installing Battery connectors, be especially sure to strip, solder and install one wire/connector at a time to prevent the chance of an accidental short.



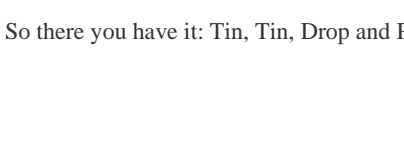
**Step Two:** Using the soldering iron and solder, tin the exposed end of the wire. Be sure to completely tin the wire to avoid a possible cold or poor solder joint.



**Step Three:** Lightly tin the inside of the EC3 gold "bullet" connector (try not to use too much solder in order to prevent excess solder from flowing to the outside of the bullet connector in the next step). Note that the female "tubes" are used for the Battery connectors, and the male "pins" are used for charger, ESC or other Device connectors.



**Step Four:** Place the tinned wire into the tinned bullet connector while heating the joint with the soldering iron. A cleaned and tinned soldering iron tip will help provide a clean and secure solder joint. Be sure to keep excess solder from flowing onto the outside of the bullet connector. Excess solder on the outside of the bullet connector will make it difficult to install the bullet connector in the plastic connector housing. Use a sharp hobby knife (and extreme care) or a rotary tool with a grinding stone or cutting wheel to remove any excess solder from the outside of the bullet connector.



**Step Five:** While the bullet connector is still warm from the soldering process, insert it into the back of the appropriate plastic connector housing. Make sure to verify the polarity before inserting the bullet connector, as marked on the outside of the plastic connector housing. Push the bullet connector into the plastic housing with a 1.5mm hex driver or small flat blade screw driver and moderate to strong pressure, with the front of the plastic connector housing firmly seated on a solid surface. You will feel a "pop" when the bullet connector is properly locked into the plastic housing.

So there you have it: Tin, Tin, Drop and Pop! Repeat steps 1-5 with the other wire lead. At this point assembly of your EC3 connector is complete.