

Basic High Reliability Soldering & Through-hole Technology

(Axial, Radial and Wires)



This Training is designed for Technicians with experience

One more day is recommended for less experienced employees.



Contents:

- The Prevention of Electrostatic Discharge (**ESD**)
- Soldering and Desoldering Techniques
- Different alloys with Lead and Lead Free (RoHS)
- Different Fluxes and their uses and cleaning process
- Different Soldering irons and their characteristics
- The proper Tip to be used depending of the Thermal Mass.
- The Standards **IPC-A-610 & ANSI-J-STD-001**
- Preparation of wires
- Soldering to Turret, Cup, Hook and Pierced Terminals
- Preparation and Soldering of Axial and Radial components
- Soldering Dual Inline Package (DIP)
- Soldering & desoldering on large thermal Mass using a Infrared Hot plate
- Use of convection Heat, and how to adjust the Heat and pressure
- Modifications & Repair with Jumper wires
- Inspection according to the Standards ANSI-JSTD-001 & IPC -610

At the end of the Training the student's will received:

- ✓ A training Handbook
- ✓ The Circuit that they assembled during the training
- ✓ A Certificate of our Company

**The Training will be provided by highly skilled IPC Certified instructors
(A-610, ANSI-J-STD-001, IPC 7711/7721)**

Hand tools soldering station of new generation and microscope for each workbench
Circuits, Components and a Handbook are provided.