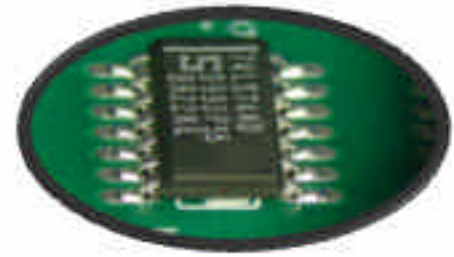




# Surface Mount Technology (SMT) Installation, Rework and Extraction



**This Training is designed for Technicians with experience**

One more day is recommended for less experienced employees.

## Content:

- Basic Principles of Solder and Surface Mount Technology
- Coefficient of Thermal Expansion Mismatch
- Surface Mount Component Identification
- Different alloys with Lead and Lead Free (RoHS)
- Different Flux and uses and the cleaning process
- Different Soldering irons and their characteristics
- Installation and Removal of Chip Components With Special Tools and Standard Tools Size 201 up to 1210
- Installation and Removal of Gull Wing Components With Special Tools and Standard Tools
- Type of Components: SC90, SOT, SOIC, PLCC, QFP, TSSOP, TQFP (fine Pitch)
- Installation and Removal of J-Lead Components With Special Tools and Standard Tools
- Modifications & Repair with Jumper wires
- Evaluation by 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.

**TEKTRO Centre Accrédité IPC**

[www.soldering-course.com](http://www.soldering-course.com)

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IPC A-610,  
IPC HWMA 620  
ANSI-J-STD 001  
IPC 7711/7721