



TRAINING

- Expert Training in the Latest Technologies
- Industry-Demanded Certifications

PCB TECHNOLOGY

Quality & Inspection

- IPC-A-610 Instructor & Operator Certification

Soldering & Assembly

- IPC J-STD-001 Instructor & Operator Certification

Bare Board Inspection

- IPC-A-600 Instructor & Operator Certification
- IPC-6012 Instructor & Operator Certification

Rework & Repair

- IPC-7711 & IPC-7721 Instructor & Operator Certification

Hand Soldering Skills

- Soldering Basics, Wires & Terminals, Lap Solder Joints, Through-Hole and Surface Mount Training

PCB Fundamentals

- Component Identification
- Electrostatic Discharge

PCB Design

- Essentials of PCB Design
- IPC Designer Certification

COUNTERFEIT COMPONENTS

IDEA-STD-1010

- Seminars & Workshops
- IDEA-STD-1010 Essentials
- SAE AS5553 Counterfeit Electronics

CABLE & WIRE

HARNESS TECHNOLOGY

Quality & Inspection

- IPC-A-620 Instructor & Operator Certification

Hands-On Labs

- Crimping & Harness Assembly Training

TECHNICAL SUPPORT

- Manufacturing Start-Up
- Process Evaluation
- Subcontractor Qualification
- Equipment Evaluation
- Lead-Free, ESD, Process and Quality Audits

IPC-7711/7721 CERTIFIED IPC TRAINER

IPC's Rework, Repair & Modification Instructor Training & Certification Program

IPC-7711 AND IPC-7721

COURSE DESCRIPTION

Attendees must be experienced solderers.

Prior rework/repair skills is helpful.

This is a 5-day, advanced, instructor-level course which reviews criteria for quality and reliability of reworked or repaired electronic assemblies. It is a comprehensive hands-on training program with 80% lab work.

The IPC-7711 is designed for soldered assembly rework—restoring PCB assemblies to their original drawings.

The IPC-7721 is designed for board repair—restoring a board's functional capability.

WHO SHOULD BECOME CERTIFIED

This is an advanced course. Anyone responsible for quality and reliability of reworked or repaired electronic assemblies should become certified—including trainers, quality supervisors, engineers and manufacturing supervisors with assembly responsibilities.

Attendees must be experienced solderers.

PREREQUISITES

- Completion of IPC's on-line IPC Essentials program*
- Completion of IPC's on-line Policies & Procedures program*
- Proficiency in soldering
- Understanding of the English language, oral and written

*In order for IPC Certification to be issued, completion of these two on-line programs must be completed outside of class via IPC's website. If the IPC Enhanced Policies and Procedures Exam is also listed, in the IPC Pre-Course section, complete this exam on-line outside of class.

CLASS SIZE

Maximum number of students is limited to eight (8) to provide greater instructor interaction. Call early to reserve your space.

COURSE OUTLINE

DAY 1

- Introduction to IPC-7711/7721
- Policies and Procedures
- Common Procedures
- Wire Splicing (Mesh, Wrap, Hook & Lap)
- Instructor Demonstration and Skills Development Lab

DAY 2

- Conformal Coating Identification, Removal & Replacement
- Through-Hole Rework Procedures
- Instructor Demonstration and Skills Development Lab

DAY 3

- Chip & MELF Removal/Installation and Localized Cleaning
- Instructor Demonstration and Skills Development Lab
- Gull Wing Procedures (SOIC, SOT, D-Pak, QFP)
- Instructor Demonstration and Skills Development Lab

DAY 4

- J-Lead Procedures
- Instructor Demonstration and Skills Development Lab
- BGA Removal/Replacement Discussion
- Laminate Repair
- Instructor Demonstration and Skills Development Lab
- PWB Circuit Repair
- Instructor Demonstration and Skills Development Lab

DAY 5

- Additional Lab Time
- Comprehensive Review
- Open Book Exam
- Closed Book Exam

eTRAINING On-line training is available for some courses. Please inquire.

ON-SITE TRAINING Please call a training consultant and ask about customized course content, on-site training and training around your production schedules.

REGISTRATION For up to date pricing and more information on any of the EPTAC programs, or to enroll, please call us toll free or visit eptac.com.

Toll Free: 1-800-64-EPTAC

email: register@eptac.com

Web: eptac.com