



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

Rework & Repair

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

Hand Soldering Skills

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

PCB Fundamentals

- Component Identification
- Electrostatic Discharge

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

HANDS-ON IPC-A-620 LABS

EPTAC's IPC/WHMA-A-620 Hands-On Training Program

IPC/WHMA-A-620

COURSE DESCRIPTION

This 1-day, hands-on lab may be added to either the IPC-A-620 Certified Trainer or IPC-A-620 Certified Specialist course.

The IPC/WHMA-A-620 is the most widely used Inspection Specification for the cable and wire harness assembly industry. It contains accept/reject criteria as well as hands-on procedures. Use the IPC/WHMA-A-620 to ensure the quality of cable and wire harness assemblies.

Practical hands-on experience is a necessary part of many companies' training goals. After completing either the IPC-A-620 Certified Trainer or Specialist lecture course, these labs provide the opportunity to practice the skills of the criteria they have learned by following an assembly print and building a harness assembly.

Through hands-on labs, students perform necessary procedures for building an entire wire harness assembly or you can tailor this training by choosing the labs that apply to your process.

This hands-on training is available for customized on-site training.

WHO SHOULD ATTEND

This course is for anyone responsible for the quality and reliability of cable and wire harness assemblies—including trainers, engineers, quality supervisors, inspectors and manufacturing personnel responsible for quality assurance

WHAT STUDENTS RECEIVE

Everyone who successfully completes the program will receive:

- Cable & Wire Harness Assembly Lab Procedures
- EPTAC Certificate of Training

PREREQUISITES

Successful Certification as either an IPC-A-620 Certified Trainer or Specialist.

CLASS SIZE

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

COURSE OUTLINE

AVAILABLE HANDS-ON TRAINING LABS

Module 1: Lab Overview

- Review harness assembly print, materials and tooling

Module 2: Wire Prep and Solder Termination – no soldering

- Cut and semi-stripping five wires
- Install wires onto the harness board

Module 3: Lug Crimp Terminations

- Cut, strip and crimp two styles of lug-type terminals
- Install wires onto the harness board

Module 4: Pin Crimp Terminations

- Cut, strip and crimp two styles of pin terminals
- Install wires onto the harness board

Module 5: Coaxial Terminations

- Cut, strip RG59 wire; assemble two coaxial connections
- Install wires onto the harness board

Module 6: IDC Terminations

- Cut, strip CAT5 wire; crimp two IDC connectors
- Install wires onto the harness board

Module 7: Mass Terminations

- Cut, ribbon cable; crimp two mass termination connectors

Module 8: Harness Securing

- Secure the cable using tie-wraps and lacing cord

MATERIALS For each class, all the necessary tools and materials will be supplied. Students are welcome to bring their own documents if they wish.

LOCATION Classes are held at EPTAC's Corporate Training Center located just 35 miles from Boston and at locations throughout the US and Canada.

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.

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Fax: 603-296-2377

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Web: www.eptac.com