



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

- IPC Designer & IPC Advanced 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

Manchester, NH & Peabody, MA

Please contact us for additional locations and on-site training opportunities in your area.

IPC-A-610 Certified IPC Trainer

Become certified to train your workforce to identify accept/reject criteria for all three classes of assembly production.

Feb 10 - 13
Apr 13 - 16
Jun 15 - 18
Aug 17 - 20
Oct 12 - 15
Dec 7 - 10

Recertifications (Req. 24 mos.)

Jan 6 - 7
Mar 9 - 10
May 4 - 5
Jul 7 - 8
Sep 8 - 9
Oct 5 - 6
Nov 9 - 10

IPC-A-610 Certified IPC Specialist

Learn the accept/reject criteria for all three classes of assembly production as published in the most widely used inspection specification, IPC-A-610.

Jan 21 - 23
Feb 17 - 19
Mar 23 - 25
Apr 20 - 22
May 18 - 20
Jun 9 - 11
Jul 20 - 22
Jul 28 - 30
Sep 21 - 23
Sep 28 - 30
Oct 20 - 22
Nov 23 - 25

Recertifications (Req. 24 mos.)

Jan 21 - 23
Feb 17 - 19
Mar 23 - 25
Apr 20 - 22
May 18 - 20
Jun 9 - 11
Jul 20 - 22
Jul 28 - 30
Sep 21 - 23
Sep 28 - 30
Oct 20 - 22
Nov 23 - 25

IPC-A-610 Standard Expert

Become a subject matter expert in IPC-A-610.

Feb 10 - 13
Apr 13 - 16
Jun 15 - 18
Aug 17 - 20
Oct 12 - 15
Dec 7 - 10

Interactive PCB Inspection Lab

(optional)
Hands-on inspection of real PCB assemblies and application of accept/reject criteria.

Feb 20
Mar 26
Apr 23
May 21
Jun 12
Jul 23
Jul 31
Oct 1
Oct 16
Dec 11

J-STD-001 Certified IPC Trainer

Acquire the skills, instructional materials and industry certification to deliver IPC's J-STD-001 Operator Training program.

Jan 20 - 24
Mar 23 - 27
May 18 - 22
Aug 31 - Sep 4
Nov 2 - 6

Recertifications (Req. 24 mos.)

Jan 8 - 9
Mar 11 - 12
May 6 - 7
Jul 9 - 10
Sep 10 - 11
Oct 7 - 8
Nov 11 - 12

J-STD-001 Space Addendum Certified IPC Trainer

(optional)

Jul 24
Nov 13

Recertifications (Req. 24 mos.)

Jul 24
Nov 13

J-STD-001 Certified IPC Specialist

Interpret the J-STD-001 specification in 5 one-day modules: Theory, Wires & Terminals, Through-Hole, Surface Mount and Inspection

Feb 24 - 28
Apr 6 - 10
Aug 3 - 7
Dec 7 - 11

Recertifications (Req. 24 mos.)

Feb 3 - 5
Jun 1 - 3
Sep 23 - 25
Nov 23 - 25

J-STD-001 Space Addendum Certified IPC Specialist (optional)

Jul 24
Nov 13

Recertifications (Req. 24 mos.)

Jul 24
Nov 13

J-STD-001 Standard Expert

Become a subject matter expert in J-STD-001.

Jan 20 - 24
Mar 23 - 27
May 18 - 22
Jul 27 - 31
Aug 31 - Sep 4
Nov 2 - 6

IPC-A-600 Certified IPC Trainer

Become an expert in the quality standards of printed circuit boards and be certified for inspection and instruction.

Feb 17 - 19
May 27 - 29
Sep 2 - 4
Nov 16 - 18

Recertifications (Req. 24 mos.)

Feb 17 - 19
May 27 - 29
Sep 2 - 4
Nov 16 - 18

IPC-A-600 Certified IPC Specialist

Learn quality standards of PCBs and be certified for inspection of bare boards.

Feb 17 - 19
May 27 - 29
Sep 2 - 4
Nov 16 - 18

Recertifications (Req. 24 mos.)

Feb 17 - 19
May 27 - 29
Sep 2 - 4
Nov 16 - 18

IPC-A-600 Standard Expert

Become a subject matter expert in IPC-A-600.

Feb 17 - 19
May 27 - 29
Sep 2 - 4
Nov 16 - 18

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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

- IPC Designer & IPC Advanced 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
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Manchester, NH & Peabody, MA

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IPC-A-620 Certified IPC Trainer

Become an expert in the quality standards of Wire, Cable and Harness, and be certified for inspection and instruction.

Jan 13 - 16
Mar 16 - 19
May 11 - 14
Jul 13 - 16
Sep 14 - 17
Dec 14 - 17

Recertifications (Req. 24 mos.)

Feb 3 - 4
Mar 2 - 3
Jun 1 - 2
Aug 31 - Sep 1
Nov 19 - 20

IPC-A-620 Certified IPC Specialist

Learn assembly requirements and accept/reject criteria for all three classes of cable and wire harness assembly.

Jan 27 - 30
Mar 2 - 5
Apr 27 - 30
Jun 22 - 25
Aug 24 - 27
Oct 27 - 30
Nov 2 - 5

Recertifications (Req. 24 mos.)

Jan 27 - 30
Mar 2 - 5
Apr 27 - 30
Jun 22 - 25
Aug 24 - 27
Oct 27 - 30
Nov 2 - 5

IPC-A-620 Hands On Labs (optional)

Additional day of hands-on labs in which students perform necessary procedures for building an entire wire harness assembly

Jan 17
Mar 6
Mar 20
May 1
May 15
Jun 26
Jul 17
Aug 28
Sep 18
Nov 6
Dec 18

IPC-A-620 Standard Expert

Become a subject matter expert in IPC-A-620.

Jan 13 - 16
Mar 16 - 19
May 11 - 14
Jul 13 - 16
Sep 14 - 17
Dec 14 - 17

IPC-7711/7721 Certified IPC Trainer

Become qualified to instruct operators in the required knowledge and skills for component rework and bare board repair.

Jan 27 - 31
Apr 20 - 24
Jul 20 - 24
Aug 24 - 28
Oct 26 - 30
Nov 30 - Dec 4

Recertifications (Req. 24 mos.)

Jan 2 - 3
Feb 6 - 7
Mar 30 - 31
May 27 - 28
Aug 19 - 20
Sep 21 - 22
Oct 1 - 2
Nov 9 - 10

IPC-7711/7721 Certified IPC Specialist

Learn general requirements and practice damage-free removal and replacement techniques for wires and terminals, through-hole components and surface mount components.

Develop advanced skills for repairing PWBs, including conductor/land repair, lifted conductor/land/pad repair and base material.

Jan 27 - 31
Apr 20 - 24
Jul 20 - 24
Aug 24 - 28
Oct 26 - 30
Nov 30 - Dec 4

Recertifications (Req. 24 mos.)

Jan 2 - 3
Feb 6 - 7
Mar 30 - 31
May 27 - 28
Aug 19 - 20
Sep 21 - 22
Oct 1 - 2
Nov 9 - 10

IPC-7711/7721 Standard Expert

Become a subject matter expert in IPC-7711 and IPC-7721.

Jan 27 - 31
Apr 20 - 24
Jul 20 - 24
Aug 24 - 28
Oct 26 - 30
Nov 30 - Dec 4

IPC-6012 Certified IPC Trainer

Become an expert in the design, specifications, fabrication and inspection of printed circuit boards.

Mar 31 - Apr 3
Aug 10 - 13
Oct 19 - 22

Recertifications (Req. 24 mos.)

Mar 31 - Apr 3
Aug 10 - 13
Oct 19 - 22

IPC-6012 Certified IPC Specialist

Learn about the design, specifications, fabrication and inspection of printed circuit boards.

Mar 31 - Apr 3
Aug 10 - 13
Oct 19 - 22

Recertifications (Req. 24 mos.)

Mar 31 - Apr 3
Aug 10 - 13
Oct 19 - 22

IPC-6012 Standard Expert

Become a subject matter expert in IPC-A-6012.

Mar 31 - Apr 3
Aug 10 - 13
Oct 19 - 22

IPC Certified Interconnect Designer

This course goes beyond the fundamentals of component placement and track routing to encompass a complete understanding of all the elements that go into the development of a printed circuit board.

Feb 25 - 28

IPC Advanced Certified Interconnect Designer

This course delves into design and fabrication issues that go beyond the fundamentals of layout, component placement and routing consideration to understanding fabrication materials, testing of not only electrical, but physical aspects of boards, electrical and signaling issues, complex component mounting strategies and requirements, and fabrication considerations for high end circuitry.

Dec 1 - 4

Advanced Micro Hand Soldering Certification

Mar 4 - 5
Jun 4 - 5
Aug 17 - 18

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CABLE & WIRE

HARNESS TECHNOLOGY

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Hand Soldering Certification

Introduces the basics of soldering, terms & definitions and equipment familiarization. Wires and Terminals, and Through-Hole Soldering and Rework is taught through hands-on construction and inspection of two Through-Hole boards. Students learn the accept/reject criteria for Surface Mount Assembly and Rework first hand through the construction, inspection and rework of a surface mount board.

Lead and Lead-free included.

- Jan 13 - 17
- Feb 10 - 14
- Mar 16 - 20
- Apr 13 - 17
- May 11 - 15
- Jun 15 - 19
- Jul 13 - 17
- Aug 10 - 14
- Sep 14 - 18
- Oct 12 - 16
- Nov 16 - 20
- Dec 14 - 18

Recertifications

- Jan 10
- Feb 21
- Mar 6
- Apr 3
- May 8
- Jun 12
- Jul 6
- Aug 21
- Oct 9
- Nov 13

Component Identification Training

- Mar 27
- Jul 6
- Oct 19

Crimp Terminations Certification

- Jan 2
- Apr 24
- Aug 14
- Dec 21

Electrostatic Discharge Training

- Feb 7
- Jun 8
- Oct 2

IDEA Counterfeit Component Workshop

A basic introduction to Counterfeit Mitigation and to IDEA-STD-1010, including methods for the visual detection of counterfeit and substandard characteristics through a hands-on workshop. A unique opportunity to examine real components with live, on-site microscopic magnification to obtain experience in the visual inspection techniques of IDEA-STD-1010 and learn how to detect counterfeit components firsthand.

Jun 8 Peabody, MA

IDEA-STD-1010 Essentials

Develop an in-depth knowledge of the IDEA-STD-1010 "Acceptability of Electronic Components Distributed in the Open Market" standard and a thorough understanding of its contents, application and use in the component inspection counterfeit detection process.

Feb 5 - 6 Peabody, MA

Sep 24 - 25 Peabody, MA

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