



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

California San Diego, Anaheim & Santa Clara

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.

Jan 27 - 30	San Diego
Feb 17 - 20	Anaheim
Apr 6 - 9	San Diego
May 18 - 21	Anaheim
Jul 20 - 23	San Diego
Aug 24 - 27	Anaheim
Nov 30 - Dec 3	San Diego
Dec 7 - 10	Anaheim

Recertifications (Req. 24 mos.)

Jan 13 - 14	San Diego
Feb 10 - 11	Anaheim
Jun 8 - 9	San Diego
Jul 13 - 14	Anaheim
Oct 8 - 9	San Diego

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 27 - 29	San Diego
Feb 17 - 19	Anaheim
Apr 6 - 8	San Diego
Apr 27 - 29	Santa Clara
May 18 - 20	Anaheim
Jun 22 - 24	Santa Clara
Jul 20 - 22	San Diego
Aug 24 - 26	Anaheim
Nov 9 - 11	Santa Clara
Nov 30 - Dec 2	San Diego
Dec 7 - 9	Anaheim

Recertifications (Req. 24 mos.)

Jan 27 - 29	San Diego
Feb 17 - 19	Anaheim
Apr 6 - 8	San Diego
Apr 27 - 29	Santa Clara
May 18 - 20	Anaheim
Jun 22 - 24	Santa Clara
Jul 20 - 22	San Diego
Aug 24 - 26	Anaheim
Nov 9 - 11	Santa Clara
Nov 30 - Dec 2	San Diego
Dec 7 - 9	Anaheim

IPC-A-610 Standard Expert

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

Jan 27 - 30	San Diego
Feb 17 - 20	Anaheim
Apr 6 - 9	San Diego
May 18 - 21	Anaheim
Jul 20 - 23	San Diego
Aug 24 - 27	Anaheim
Nov 30 - Dec 3	San Diego
Dec 7 - 10	Anaheim

Interactive PCB Inspection Lab (optional)

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

Jan 31	San Diego
Feb 21	Anaheim
May 22	Anaheim
Jul 24	San Diego
Aug 28	Anaheim
Nov 13	Santa Clara
Dec 4	San Diego
Dec 11	Anaheim

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 27 - 31	Anaheim
Feb 17 - 21	San Diego
Apr 13 - 17	Anaheim
Apr 27 - May 1	San Diego
Jul 20 - 24	Anaheim
Aug 31 - Sep 4	San Diego
Oct 19 - 23	Anaheim
Nov 16 - 20	San Diego

Recertifications (Req. 24 mos.)

Jan 15 - 16	San Diego
Feb 12 - 13	Anaheim
Jun 10 - 11	San Diego
Jul 15 - 16	Anaheim
Oct 13 - 14	San Diego

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

Oct 15, San Diego

Recertifications (Req. 24 mos.)

Oct 15, San Diego

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

Jan 27 - 31	Anaheim
Feb 10 - 14	Santa Clara
Feb 17 - 21	San Diego
Apr 13 - 17	Anaheim
Apr 27 - May 1	San Diego
Jul 20 - 24	Anaheim
Aug 10 - 14	Santa Clara
Aug 31 - Sep 4	San Diego
Oct 19 - 23	Anaheim
Oct 26 - 30	Santa Clara
Nov 16 - 20	San Diego

Recertifications (Req. 24 mos.)

Jan 27 - 31	Anaheim
Feb 10 - 14	Santa Clara
Feb 17 - 21	San Diego
Apr 13 - 17	Anaheim
Apr 27 - May 1	San Diego
Jul 20 - 24	Anaheim
Aug 10 - 14	Santa Clara
Aug 31 - Sep 4	San Diego
Oct 19 - 23	Anaheim
Oct 26 - 30	Santa Clara
Nov 16 - 20	San Diego

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

Module 6 covering the 001 Space Addendum.

Oct 15, San Diego

Recertifications (Req. 24 mos.)

Oct 15, San Diego

J-STD-001 Standard Expert

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

Jan 27 - 31	Anaheim
Feb 17 - 21	San Diego
Apr 13 - 17	Anaheim
Apr 27 - May 1	San Diego
Jul 20 - 24	Anaheim
Aug 31 - Sep 4	San Diego
Oct 19 - 23	Anaheim
Nov 16 - 20	San Diego

IPC-6012 Certified IPC Trainer

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

Feb 24 - 27	Santa Clara
Sep 22 - 25	Santa Clara

Recertifications (Req. 24 mos.)

Feb 24 - 27	Santa Clara
Sep 22 - 25	Santa Clara

IPC-6012 Certified IPC Specialist

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

Jan 6 - 9	San Diego
Feb 24 - 27	Santa Clara
May 11 - 14	Anaheim
Jul 7 - 10	San Diego
Sep 22 - 25	Santa Clara
Dec 28 - 31	Anaheim

Recertifications (Req. 24 mos.)

Jan 6 - 9	San Diego
Feb 24 - 27	Santa Clara
May 11 - 14	Anaheim
Jul 7 - 10	San Diego
Sep 22 - 25	Santa Clara
Dec 28 - 31	Anaheim

IPC-6012 Standard Expert

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

Feb 24 - 27	Santa Clara
Sep 22 - 25	Santa Clara

Dates and locations are subject to change. Please call to check current dates and availability. Minimum enrollments are required for a class to be held.



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- IPC-A-600 Instructor & Operator Certification
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- Seminars & Workshops
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- SAE AS5553 Counterfeit Electronics

CABLE & WIRE

HARNESST TECHNOLOGY

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Hands-On Labs

- Crimping & Harness Assembly Training

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California San Diego, Anaheim & Santa Clara

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IPC-A-620 Certified IPC Trainer

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

Jan 20 - 23 San Diego
 Mar 16 - 19 Anaheim
 May 4 - 7 San Diego
 Jun 15 - 18 Anaheim
 Sep 8 - 11 San Diego
 Nov 17 - 20 Anaheim
 Dec 14 - 17 San Diego

Recertifications (Req. 24 mos.)

Apr 2 - 3 San Diego
 Jul 9 - 10 Anaheim
 Oct 6 - 7 San Diego
 Oct 8 - 9 Anaheim

IPC-A-620 Certified IPC Specialist

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

Jan 20 - 23 San Diego
 Mar 9 - 12 Santa Clara
 Mar 16 - 19 Anaheim
 May 4 - 7 San Diego
 Jun 15 - 18 Anaheim
 Aug 24 - 27 Santa Clara
 Sep 8 - 11 San Diego
 Nov 17 - 20 Anaheim
 Nov 30 - Dec 3 Santa Clara
 Dec 14 - 17 San Diego

Recertifications (Req. 24 mos.)

Jan 20 - 23 San Diego
 Mar 9 - 12 Santa Clara
 Mar 16 - 19 Anaheim
 May 4 - 7 San Diego
 Jun 15 - 18 Anaheim
 Aug 24 - 27 Santa Clara
 Sep 8 - 11 San Diego
 Nov 17 - 20 Anaheim
 Nov 30 - Dec 3 Santa Clara
 Dec 14 - 17 San Diego

IPC-A-620 Standard Expert

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

Jan 20 - 23 San Diego
 Mar 16 - 19 Anaheim
 May 4 - 7 San Diego
 Jun 15 - 18 Anaheim
 Sep 8 - 11 San Diego
 Nov 17 - 20 Anaheim
 Dec 14 - 17 San Diego

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 24 San Diego
 Mar 13 Santa Clara
 Mar 20 Anaheim
 May 8 San Diego
 Jun 19 Anaheim
 Aug 28 Santa Clara
 Dec 4 Santa Clara
 Dec 18 San Diego

IPC-A-600 Certified IPC Specialist

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

Mar 18 - 20 San Diego
 Jun 29 - Jul 1 Santa Clara
 Sep 30 - Oct 2 San Diego

Recertifications (Req. 24 mos.)

Mar 18 - 20 San Diego
 Jun 29 - Jul 1 Santa Clara
 Sep 30 - Oct 2 San Diego

Dates and locations are subject to change. Please call to check current dates and availability. Minimum enrollments are required for a class to be held.

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.

Jan 30 - Feb 2 San Diego
 Mar 3 - 6 Santa Clara
 Sep 12 - 15 Santa Clara
 Oct 3 - 6 San Diego
 Oct 27 - 30 Anaheim

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.

Jan 30 - Feb 2 San Diego
 Mar 3 - 6 Santa Clara
 Sep 12 - 15 Santa Clara
 Oct 3 - 6 San Diego
 Oct 27 - 30 Anaheim

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 6 - 10 Santa Clara
 Jan 20 - 24 Anaheim
 Feb 3 - 7 San Diego
 Apr 20 - 24 Anaheim
 May 11 - 15 Santa Clara
 May 18 - 22 San Diego
 Aug 3 - 7 Anaheim
 Aug 17 - 21 San Diego
 Sep 28 - Oct 2 Santa Clara
 Nov 2 - 6 San Diego
 Nov 9 - 13 Anaheim
 Dec 14 - 18 Santa Clara

Recertifications

Feb 14 Anaheim
 Jul 17 Anaheim
 Oct 12 San Diego
 Dec 21 Santa Clara

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 12 San Diego

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.

Mar 31 - Apr 1 San Diego
 May 28 - 29 Anaheim
 Oct 6 - 7 Anaheim
 Dec 10 - 11 San Diego