



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

HARNESST 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-A-610 Certified IPC Specialist (CIS)

IPC-A-610 "The Acceptability of Electronic Assemblies"

Learn accept/reject criteria for all 3 classes of assembly production as published in the most widely used inspection specification, IPC-A-610.

IPC-A-610 CIS Certification

Jan 9 - 11 ... Manchester, NH
 Jan 9 - 11 ... Atlanta, GA
 Jan 16 - 18 ... Toronto, ON
 Jan 16 - 18 ... Buffalo, NY
 Jan 16 - 18 ... Watertown, CT
 Jan 23 - 25 ... Schaumburg, IL
 Jan 24 - 26 ... Pittsburgh, PA
 Jan 30 - Feb 1 ... Palm Bay, FL
 Jan 30 - Feb 1 ... Portland, OR
 Jan 30 - Feb 1 ... San Diego, CA
 Feb 6 - 8 ... Kansas City, MO
 Feb 13 - 15 ... Manchester, NH
 Feb 13 - 15 ... San Jose, CA
 Feb 20 - 22 ... Anaheim, CA
 Feb 28 - Mar 2 ... Rochester, NY
 Mar 6 - 8 ... Manchester, NH
 Mar 6 - 8 ... Seattle, WA
 Mar 13 - 15 ... Syracuse, NY
 Mar 20 - 22 ... Schaumburg, IL
 Mar 20 - 22 ... Toronto, ON
 Mar 27 - 29 ... Long Island, NY
 Mar 27 - 29 ... Manchester, NH
 Apr 3 - 5 ... Ottawa, ON
 Apr 10 - 12 ... Atlanta, GA
 Apr 10 - 12 ... Binghamton, NY
 Apr 10 - 12 ... Portland, OR
 Apr 10 - 12 ... San Diego, CA
 Apr 17 - 19 ... Manchester, NH
 Apr 17 - 19 ... San Jose, CA
 Apr 17 - 19 ... Schaumburg, IL
 Apr 24 - 26 ... Palm Bay, FL
 Apr 24 - 26 ... Watertown, CT
 May 8 - 10 ... Manchester, NH
 May 8 - 10 ... Rochester, NY
 May 8 - 10 ... Seattle, WA
 May 22 - 24 ... Anaheim, CA
 May 29 - 31 ... Manchester, NH
 May 30 - Jun 1 ... Buffalo, NY
 Jun 6 - 8 ... Halifax, NS
 Jun 12 - 14 ... Long Island, NY
 Jun 12 - 14 ... Pittsburgh, PA
 Jun 19 - 21 ... Kansas City, MO
 Jun 19 - 21 ... Manchester, NH
 Jun 19 - 21 ... San Jose, CA
 Jun 19 - 21 ... Syracuse, NY
 Jul 10 - 12 ... Akron, OH
 Jul 10 - 12 ... Manchester, NH
 Jul 17 - 19 ... Atlanta, GA

Jul 17 - 19 ... Palm Bay, FL
 Jul 17 - 19 ... Watertown, CT
 Jul 24 - 26 ... San Diego, CA
 Jul 24 - 26 ... Schaumburg, IL
 Jul 31 - Aug 2 ... Manchester, NH
 Jul 31 - Aug 2 ... Toronto, ON
 Aug 7 - 9 ... Portland, OR
 Aug 7 - 9 ... San Jose, CA
 Aug 14 - 16 ... Manchester, NH
 Aug 21 - 23 ... Seattle, WA
 Aug 28 - 30 ... Anaheim, CA
 Sep 5 - 7 ... Manchester, NH
 Sep 12 - 14 ... Syracuse, NY
 Sep 18 - 20 ... Rochester, NY
 Sep 18 - 20 ... San Diego, CA
 Sep 25 - 27 ... Manchester, NH
 Oct 9 - 11 ... Atlanta, GA
 Oct 9 - 11 ... Watertown, CT
 Oct 16 - 18 ... Buffalo, NY
 Oct 16 - 18 ... Manchester, NH
 Oct 16 - 18 ... San Jose, CA
 Oct 16 - 18 ... Seattle, WA
 Oct 23 - 25 ... Long Island, NY
 Oct 23 - 25 ... Schaumburg, IL
 Oct 30 - Nov 1 ... Kansas City, MO
 Oct 30 - Nov 1 ... Toronto, ON
 Nov 6 - 8 ... Manchester, NH
 Nov 6 - 8 ... Palm Bay, FL
 Nov 13 - 15 ... Akron, OH
 Nov 13 - 15 ... Portland, OR
 Nov 20 - 22 ... Ottawa, ON
 Nov 28 - 30 ... Manchester, NH
 Dec 4 - 6 ... Binghamton, NY
 Dec 4 - 6 ... Pittsburgh, PA
 Dec 11 - 13 ... Anaheim, CA
 Dec 18 - 20 ... San Jose, CA

ON-LINE Start time: 10am E.S.T.

Jan 9 - 11 Jul 17 - 19
 Jan 30 - Feb 1 Aug 7 - 9
 Feb 20 - 22 Aug 28 - 30
 Mar 13 - 15 Sep 18 - 20
 Apr 3 - 5 Oct 9 - 11
 Apr 24 - 26 Oct 30 - Nov 1
 May 15 - 17 Nov 27 - 29
 Jun 5 - 7 Dec 18 - 20
 Jun 26 - 28

Challenge Test

IN-PERSON Manchester, NH

Jan 12 Aug 11
 Feb 17 Sep 15
 Mar 10 Oct 13
 Apr 14 Nov 10
 May 12 Dec 1
 Jul 5

ON-LINE Start time: 10am E.S.T.

Jan 11 May 17 Sep 20
 Jan 25 May 31 Oct 4
 Feb 8 Jun 14 Oct 18
 Feb 22 Jun 28 Nov 1
 Mar 8 Jul 12 Nov 15
 Mar 22 Jul 26 Nov 29
 Apr 5 Aug 9 Dec 13
 Apr 19 Aug 23 Dec 27
 May 3 Sep 6

IPC-A-610 CIS Recertification

Jan 9 - 11 ... Manchester, NH
 Jan 9 - 11 ... Atlanta, GA
 Jan 16 - 18 ... Toronto, ON
 Jan 16 - 18 ... Buffalo, NY
 Jan 16 - 18 ... Watertown, CT
 Jan 23 - 25 ... Schaumburg, IL
 Jan 23 - 25 ... Manchester, NH
 Jan 24 - 26 ... Pittsburgh, PA
 Jan 30 - Feb 1 ... Palm Bay, FL
 Jan 30 - Feb 1 ... Portland, OR
 Jan 30 - Feb 1 ... San Diego, CA
 Feb 6 - 8 ... Kansas City, MO
 Feb 13 - 15 ... Manchester, NH
 Feb 13 - 15 ... San Jose, CA
 Feb 20 - 22 ... Anaheim, CA
 Feb 28 - Mar 2 ... Rochester, NY
 Mar 6 - 8 ... Manchester, NH
 Mar 6 - 8 ... Seattle, WA
 Mar 13 - 15 ... Syracuse, NY
 Mar 20 - 22 ... Schaumburg, IL
 Mar 20 - 22 ... Toronto, ON
 Mar 27 - 29 ... Long Island, NY
 Mar 27 - 29 ... Manchester, NH
 Apr 3 - 5 ... Ottawa, ON
 Apr 10 - 12 ... Atlanta, GA
 Apr 10 - 12 ... Binghamton, NY
 Apr 10 - 12 ... Portland, OR
 Apr 10 - 12 ... San Diego, CA
 Apr 17 - 19 ... Manchester, NH
 Apr 17 - 19 ... San Jose, CA
 Apr 17 - 19 ... Schaumburg, IL
 Apr 24 - 26 ... Palm Bay, FL
 Apr 24 - 26 ... Watertown, CT
 May 8 - 10 ... Rochester, NY
 May 8 - 10 ... Seattle, WA
 May 22 - 24 ... Anaheim, CA
 May 29 - 31 ... Manchester, NH
 May 30 - Jun 1 ... Buffalo, NY
 Jun 6 - 8 ... Halifax, NS
 Jun 12 - 14 ... Long Island, NY
 Jun 12 - 14 ... Pittsburgh, PA
 Jun 19 - 21 ... Kansas City, MO
 Jun 19 - 21 ... Manchester, NH
 Jun 19 - 21 ... San Jose, CA
 Jun 19 - 21 ... Syracuse, NY
 Jun 26 - 28 ... Baltimore, MD
 Jul 10 - 12 ... Akron, OH
 Jul 10 - 12 ... Manchester, NH

Jul 17 - 19 ... Atlanta, GA
 Jul 17 - 19 ... Palm Bay, FL
 Jul 17 - 19 ... Watertown, CT
 Jul 24 - 26 ... San Diego, CA
 Jul 24 - 26 ... Schaumburg, IL
 Jul 31 - Aug 2 ... Manchester, NH
 Jul 31 - Aug 2 ... Toronto, ON
 Aug 7 - 9 ... Portland, OR
 Aug 7 - 9 ... San Jose, CA
 Aug 14 - 16 ... Manchester, NH
 Aug 21 - 23 ... Seattle, WA
 Aug 28 - 30 ... Anaheim, CA
 Sep 5 - 7 ... Manchester, NH
 Sep 12 - 14 ... Syracuse, NY
 Sep 18 - 20 ... Rochester, NY
 Sep 18 - 20 ... San Diego, CA
 Sep 25 - 27 ... Manchester, NH
 Oct 9 - 11 ... Atlanta, GA
 Oct 9 - 11 ... Watertown, CT
 Oct 16 - 18 ... Buffalo, NY
 Oct 16 - 18 ... Manchester, NH
 Oct 16 - 18 ... San Jose, CA
 Oct 16 - 18 ... Seattle, WA
 Oct 23 - 25 ... Long Island, NY
 Oct 23 - 25 ... Schaumburg, IL
 Oct 30 - Nov 1 ... Kansas City, MO
 Oct 30 - Nov 1 ... Toronto, ON
 Nov 6 - 8 ... Manchester, NH
 Nov 6 - 8 ... Palm Bay, FL
 Nov 13 - 15 ... Akron, OH
 Nov 13 - 15 ... Portland, OR
 Nov 20 - 22 ... Ottawa, ON
 Nov 28 - 30 ... Manchester, NH
 Dec 4 - 6 ... Binghamton, NY
 Dec 4 - 6 ... Pittsburgh, PA
 Dec 11 - 13 ... Anaheim, CA
 Dec 18 - 20 ... San Jose, CA

ON-LINE Start time: 10am E.S.T.

Jan 9 - 11 Jul 17 - 19
 Jan 30 - Feb 1 Aug 7 - 9
 Feb 20 - 22 Aug 28 - 30
 Mar 13 - 15 Sep 18 - 20
 Apr 3 - 5 Oct 9 - 11
 Apr 24 - 26 Oct 30 - Nov 1
 May 15 - 17 Nov 27 - 29
 Jun 5 - 7 Dec 18 - 20
 Jun 26 - 28

Challenge Test

IN-PERSON Manchester, NH

Jan 12 Aug 11
 Feb 17 Sep 15
 Mar 10 Oct 13
 Apr 14 Nov 10
 May 12 Dec 1
 Jul 5

ON-LINE Start time: 10am E.S.T.

Jan 11 May 17 Sep 20
 Jan 25 May 31 Oct 4
 Feb 8 Jun 14 Oct 18
 Feb 22 Jun 28 Nov 1
 Mar 8 Jul 12 Nov 15
 Mar 22 Jul 26 Nov 29
 Apr 5 Aug 9 Dec 13
 Apr 19 Aug 23 Dec 27
 May 3 Sep 6

IPC-A-610 Interactive PCB Inspection Lab ALSO AVAILABLE

IPC-A-610 "The Acceptability of Electronic Assemblies"

Utilizes, lectures, visual acuity exercises, and physical assemblies to provide an experience in visually inspecting printed circuit assemblies.