



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

IPC-A-620 Certified Standard Expert (CSE)

IPC/WHMA-A-620 "Requirements and Acceptance for Cable and Wire Harness Assemblies"

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

IPC-A-620 CSE Certification

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

Jul 21 - 24 Manchester, NH
Aug 4 - 7 San Diego, CA
Aug 4 - 7 Portland, OR
Aug 11 - 14 Schaumburg, IL
Aug 11 - 14 Seattle, WA
Aug 11 - 14 Watertown, CT
Aug 18 - 21 Toronto, ON
Aug 18 - 21 Anaheim, CA
Sep 2 - 5 Manchester, NH
Sep 8 - 11 Minneapolis, MN
Sep 9 - 12 Pittsburgh, PA
Sep 15 - 18 San Jose, CA
Sep 15 - 18 Akron, OH
Sep 22 - 25 Buffalo, NY
Sep 22 - 25 Palm Bay, FL
Sep 29 - Oct 2 Long Island, NY
Oct 6 - 9 Seattle, WA
Oct 6 - 9 Rochester, NY
Oct 6 - 9 Schaumburg, IL
Oct 13 - 16 San Diego, CA
Oct 13 - 16 Kansas City, MO
Oct 20 - 23 Watertown, CT
Oct 27 - 30 Toronto, ON
Oct 27 - 30 Portland, OR
Nov 3 - 6 Anaheim, CA
Nov 3 - 6 Minneapolis, MN
Nov 10 - 13 San Jose, CA
Dec 1 - 4 Toronto, ON
Dec 8 - 11 Schaumburg, IL
Dec 8 - 11 Seattle, WA
Dec 8 - 11 Palm Bay, FL
Dec 15 - 18 Watertown, CT
Dec 15 - 18 Manchester, NH

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

Jan 13 - 16	Jul 7 - 10
Feb 3 - 6	Jul 28 - 31
Feb 24 - 27	Aug 18 - 21
Mar 17 - 20	Sep 8 - 11
Apr 7 - 10	Sep 29 - Oct 2
Apr 28 - 1	Oct 20 - 23
May 19 - 22	Nov 10 - 13
Jun 9 - 12	Dec 1 - 4

Challenge Test

IN-PERSON Manchester, NH

Jan 3	Jun 19
Jan 28	Aug 7
Feb 7	Sep 26
Feb 26	Oct 30
Apr 11	Nov 21
May 2	Dec 22
Jun 6	

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

Jan 8	May 14	Sep 17
Jan 22	May 28	Oct 1
Feb 5	Jun 11	Oct 15
Feb 19	Jun 25	Oct 29
Mar 5	Jul 9	Nov 12
Mar 19	Jul 23	Nov 24
Apr 2	Aug 6	Dec 10
Apr 16	Aug 20	Dec 22
Apr 30	Sep 3	

IPC-A-620 CSE Recertification

Jan 2 - 3 Toronto, ON
Feb 5 - 6 Palm Bay, FL
Feb 18 - 19 Schaumburg, IL
Feb 24 - 25 Anaheim, CA
Feb 24 - 25 Manchester, NH
Mar 24 - 25 Minneapolis, MN
Mar 24 - 25 Watertown, CT
Apr 2 - 3 San Jose, CA
May 19 - 20 Watertown, CT
May 21 - 22 Toronto, ON
Jun 23 - 24 Minneapolis, MN
Jun 30 - Jul 1 Manchester, NH
Jul 9 - 10 San Jose, CA
Jul 10 - 11 Palm Bay, FL
Jul 28 - 29 Schaumburg, IL
Aug 7 - 8 Watertown, CT
Sep 3 - 4 Minneapolis, MN

Sep 4 - 5 Anaheim, CA
Sep 29 - 30 Toronto, ON
Oct 2 - 3 Palm Bay, FL
Oct 2 - 3 Rochester, NY
Oct 2 - 3 Watertown, CT
Oct 15 - 16 Schaumburg, IL
Nov 24 - 25 Manchester, NH
Dec 22 - 23 San Jose, CA
Dec 22 - 23 Toronto, ON

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

Jan 22 - 23
Mar 5 - 6
May 7 - 8
Jul 23 - 24
Aug 27 - 28
Nov 5 - 6

Challenge Test

IN-PERSON Manchester, NH

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Feb 26	Oct 30
Apr 11	Nov 21
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Jan 8	May 14	Sep 17
Jan 22	May 28	Oct 1
Feb 5	Jun 11	Oct 15
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Mar 5	Jul 9	Nov 12
Mar 19	Jul 23	Nov 24
Apr 2	Aug 6	Dec 10
Apr 16	Aug 20	Dec 22
Apr 30	Sep 3	

ALSO AVAILABLE

IPC-A-620 Hands-on Lab

Through hands-on labs, students perform necessary procedures for building an entire wire harness assembly.