



### 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-610 Certified IPC Trainer (CIT)

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

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

#### IPC-A-610 CIT Certification

Jan 6 - 9	Buffalo, NY	Jul 14 - 17	Seattle, WA
Jan 6 - 9	Watertown, CT	Jul 21 - 24	Palm Bay, FL
Jan 6 - 9	San Jose, CA	Jul 21 - 24	Schaumburg, IL
Jan 13 - 16	San Diego, CA	Jul 28 - 31	Toronto, ON
Jan 13 - 16	Schaumburg, IL	Aug 4 - 7	San Jose, CA
Jan 13 - 16	Toronto, ON	Aug 4 - 7	Minneapolis, MN
Jan 14 - 17	Seattle, WA	Aug 11 - 14	Manchester, NH
Jan 20 - 23	Pittsburgh, PA	Aug 25 - 28	Anaheim, CA
Jan 27 - 30	Palm Bay, FL	Sep 8 - 11	Portland, OR
Feb 3 - 6	Kansas City, MO	Sep 8 - 11	San Jose, CA
Feb 3 - 6	Portland, OR	Sep 15 - 18	Rochester, NY
Feb 3 - 6	Manchester, NH	Sep 15 - 18	Toronto, ON
Feb 10 - 13	San Jose, CA	Sep 15 - 18	Schaumburg, CA
Feb 17 - 20	Anaheim, CA	Sep 22 - 25	Watertown, CT
Feb 18 - 21	Minneapolis, MN	Sep 22 - 25	Schaumburg, IL
Feb 18 - 21	Rochester, NY	Sep 22 - 25	Seattle, WA
Mar 3 - 6	Seattle, WA	Oct 6 - 9	Palm Bay, FL
Mar 11 - 14	San Diego, CA	Oct 13 - 16	Minneapolis, MN
Mar 17 - 20	Watertown, CT	Oct 13 - 16	Buffalo, NY
Mar 17 - 20	Schaumburg, IL	Oct 20 - 23	Long Island, NY
Mar 24 - 27	Long Island, NY	Oct 20 - 23	Manchester, NH
Mar 24 - 27	Toronto, ON	Oct 27 - 30	San Jose, CA
Mar 31 - Apr 3	Ottawa, ON	Oct 27 - 30	Kansas City, MO
Mar 31 - Apr 3	Portland, OR	Nov 10 - 13	Akron, OH
Apr 7 - 10	Minneapolis, MN	Nov 10 - 13	Portland, OR
Apr 7 - 10	Manchester, NH	Nov 10 - 13	Anaheim, CA
Apr 14 - 17	Anaheim, CA	Nov 10 - 13	Watertown, CT
Apr 21 - 23	Palm Bay, FL	Nov 11 - 14	Toronto, ON
Apr 21 - 24	San Jose, CA	Nov 17 - 20	Seattle, WA
May 5 - 8	Schaumburg, IL	Nov 17 - 20	Schaumburg, IL
May 5 - 8	Rochester, NY	Nov 17 - 20	San Diego, CA
May 5 - 8	Seattle, WA	Nov 17 - 20	Ottawa, ON
May 5 - 8	Watertown, CT	Dec 1 - 4	Pittsburgh, PA
May 12 - 15	San Diego, CA	Dec 1 - 4	Binghamton, NY
May 19 - 22	San Jose, CA	Dec 1 - 4	San Jose, CA
May 26 - 29	Toronto, ON	Dec 1 - 4	Minneapolis, MN
May 27 - 30	Buffalo, NY	Dec 8 - 11	Manchester, NH
Jun 2 - 5	Portland, OR		
Jun 2 - 5	Manchester, NH		
Jun 9 - 12	Minneapolis, MN		
Jun 9 - 12	Long Island, NY		
Jun 9 - 12	Pittsburgh, PA		
Jun 16 - 19	Kansas City, MO		
Jun 16 - 19	San Jose, CA		
Jun 16 - 19	Binghamton, NY		
Jun 23 - 26	Anaheim, CA		
Jul 7 - 10	Akron, OH		
Jul 14 - 17	Watertown, CT		
Jul 14 - 17	San Diego, CA		

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

Jan 6 - 9	Jul 14 - 17
Jan 27 - 30	Aug 4 - 7
Feb 17 - 20	Aug 25 - 28
Mar 10 - 13	Sep 15 - 18
Mar 31 - Apr 3	Oct 6 - 9
Apr 21 - 24	Oct 27 - 30
May 12 - 15	Nov 17 - 20
Jun 2 - 5	Dec 8 - 11
Jun 23 - 26	

#### 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-610 CIT Recertification

Jan 6 - 7	Toronto, ON	Jul 28 - 29	San Jose, CA
Jan 6 - 7	San Diego, CA	Jul 28 - 29	Watertown, CT
Jan 6 - 7	Palm Bay, FL	Jul 28 - 29	Portland, OR
Jan 6 - 7	Manchester, NH	Aug 11 - 12	Minneapolis, MN
Jan 13 - 14	Watertown, CT	Aug 12 - 13	Buffalo, NY
Jan 14 - 15	Kansas City, MO	Aug 18 - 19	Schaumburg, IL
Jan 20 - 21	Schaumburg, IL	Aug 25 - 26	Kansas City, MO
Jan 20 - 21	Anaheim, CA	Aug 25 - 26	Palm Bay, FL
Jan 27 - 28	Long Island, NY	Sep 2 - 3	Binghamton, NY
Feb 3 - 4	San Jose, CA	Sep 2 - 3	Manchester, NH
Feb 17 - 18	Seattle, WA	Sep 8 - 9	Toronto, ON
Feb 18 - 19	Akron, OH	Oct 6 - 7	Manchester, NH
Feb 24 - 25	Minneapolis, MN	Oct 6 - 7	San Diego, CA
Mar 3 - 4	Rochester, NY	Oct 13 - 14	San Jose, CA
Mar 10 - 11	Palm Bay, FL	Oct 20 - 21	Seattle, WA
Mar 10 - 11	Manchester, NH	Oct 20 - 21	Minneapolis, MN
Mar 25 - 26	Ottawa, ON	Oct 20 - 21	Rochester, NY
Apr 14 - 15	Schaumburg, IL	Oct 27 - 28	Anaheim, CA
Apr 14 - 15	Seattle, WA	Nov 3 - 4	Schaumburg, IL
Apr 14 - 15	San Jose, CA	Nov 3 - 4	Watertown, CT
Apr 21 - 22	Watertown, CT	Nov 10 - 11	Manchester, NH
Apr 28 - 29	Buffalo, NY	Nov 17 - 18	Toronto, ON
Apr 28 - 29	Toronto, ON		
Apr 29 - 30	Anaheim, CA		
May 5 - 6	Manchester, NH		
May 5 - 6	Binghamton, NY		
May 12 - 13	Minneapolis, MN		
Jun 9 - 10	San Diego, CA		
Jun 16 - 17	Seattle, WA		
Jun 23 - 24	Long Island, NY		
Jul 7 - 8	Manchester, NH		
Jul 14 - 15	Toronto, ON		
Jul 21 - 22	Rochester, NY		

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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-610 Interactive PCB Inspection Lab

#### 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.

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.