



## 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

### Rework & Repair

- IPC-7711 & IPC-7721 Instructor & Operator Certification

### Hand Soldering Skills

- Soldering Basics, Wires & Terminals, 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

## IDEA-STD-1010 ESSENTIALS



Prepare for the IDEA-ICE-3000 Professional Inspector Certification Exam by learning how to navigate and apply the most widely used standard on counterfeit components in the electronics industry.\*

IDEA-TRN-2500 IDEA-STD-1010 Essentials

### IDEA-STD-1010

## COURSE DESCRIPTION

In cooperation and partnership with the Independent Distributors of Electronics Association, IDEA-STD-1010 Essentials is a two-day program designed to 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. In addition, this course provides numerous opportunities to review real time counterfeit examples in a hands-on environment where the student can apply his or her knowledge of the standard to actual specimens.

\*For eligible OEMs, CMs, EMS Providers, or IDEA

General Members, this curriculum will prepare you for the IDEA-ICE-3000 Professional Inspector Certification Exam.

## WHO SHOULD ATTEND

This training course is recommended for Original Component Manufacturers (OCMs), Original Equipment Manufacturers (OEMs), Contract Manufacturers (CMs)/Electronics Manufacturing Service Providers (EMs), and Authorized (Franchised)/Open Market component distributors at all levels of inspection and quality assurance, including technicians and referees involved in the issues surrounding electronic component counterfeit mitigation.

## WHAT STUDENTS RECEIVE

All attendees will receive:

- IDEA-STD-1010: Acceptability of Electronic Components Distributed in the Open Market
- Copy of the Course Presentation
- EPTAC Certificate of Completion

## PREREQUISITES

In order to view examples under magnification, students must have access to a laptop computer (students can share, 2-3 students per laptop) with the following minimum system requirements:

Windows 98, XP, Vista, 7 or a Mac OS

512MB Ram

One (1) available USB port

Upon receipt of registration, EPTAC will send a link for attendees to download and install the software on their laptops for the USB microscope. The registrant must download and install the software prior to the day of the course.

## CLASS SIZE

Maximum number of students is limited to ten (10) in order to provide greater instructor interaction and a complete hands-on experience. Call early to reserve your space.

## COURSE OUTLINE

### DAY 1

- Introduction and Overview
- Impact of Electronic Counterfeits
- Supply Chain and the Underlying Issues
- Recommended Procurement Processes
- IDEA-STD-1010 Overview
- IDEA Organization and Membership
- IDEA-STD-1010 Navigational Process
- Terms and Definitions
- Available Resources
- Inspection Workstations
- Testing Techniques
- Inspector Roles

### DAY 2

- IDEA-STD-1010 Navigational Process (continued)
- Review Questions
- Inspection Methods From Box to Components
- Interactive Hands-On Workshop
- Marking Test vs. Surface Test
- Additional Testing Methods
- Requirements of Parts Disposition
- Final Document Review
- Discussion of IDEA-ICE-3000 Exam and Certification Requirements

**LOCATION** Classes are held at EPTAC's Corporate Training Center located just 35 miles from Boston and at locations throughout the US and Canada.

**eTRAINING** On-line training is available for some courses. Please inquire.

**ON-SITE TRAINING** Please call a training consultant and ask about customized course content, on-site training and training around your production schedules.

**REGISTRATION** For up to date pricing and more information on any of the EPTAC programs, or to enroll, please call us toll free or visit eptac.com.

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