



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

- Essentials of PCB Design
- IPC 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

INTERACTIVE PCB INSPECTION LAB

EPTAC's Visual Inspection Training Lab

COURSE DESCRIPTION

This is a 1-day course utilizing lectures, visual acuity exercises, and physical assemblies to provide the students with an experience in visually inspecting printed circuit assemblies.

Knowledge base programs identify differences between good and bad conditions, but how are the inspectors going to find these differences? This course will provide the students with an inspection process to physically review the product to determine the whether or not it meets the customer quality requirements. The students will learn how to find the problem areas on the assemblies with a focus on improving product yields. They will learn how to improve their discrimination skills through the power of observation.

WHO SHOULD ATTEND THIS CLASS

This class is intended for any employee who will be inspecting printed circuit assemblies or any employee who wants to improve their observation skills and reinforce their inspection skills for inspecting printed circuit assemblies.

PREREQUISITES

Some knowledge of electronic process assembly and printed circuit boards along with a basic verbal and written understanding of the English language is all that is required to benefit from EPTAC's Visual Inspection Lab.

CLASS SIZE

Maximum number of students is limited to ten (10) to provide greater instructor interaction. Call early to reserve your space.

COURSE OUTLINE

INTRODUCTION

- Terms and definitions
- Why inspect
- How to inspect

OBSERVATION SKILLS PRACTICE 1

THE NEEDS OF VISUAL INSPECTION

- Good Visual Acuity
- The ability to detect differences
- Review of Basic Manufacturing Knowledge
- Systematic approach
- Patience, Discipline, Consistency

INSPECTION LAB 1: THROUGH-HOLE BOARD

- Review results of Lab 1
- Discuss improvements

OBSERVATION SKILLS PRACTICE 2

INSPECTION LAB 2: SURFACE MOUNT BOARD

- Review results of Lab 2
- Discuss improvements

OBSERVATION SKILLS PRACTICE 3

INSPECTION LAB 3: MIXED TECHNOLOGY BOARD

- Review results of Lab 3
- Discuss improvements
- Instructor to grade results

WRAP UP

- Certificate of Attendance

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.

Toll Free: 1-800-64-EPTAC

email: register@eptac.com

Web: eptac.com