

Counterfeit Component

Continuing Professional Advancement in Electronics Manufacturing



ISO 9001:2008
CERTIFIED

Overview

This one-day counterfeit component course was developed to help electronics manufacturers achieve an understanding of the impact of counterfeit components and how counterfeit components are introduced into the supply chain.

The course features the techniques for detecting counterfeits; the steps to be taken to prevent their introduction into the supply chain; the methods to mitigate the adverse effects of counterfeits; and the ways of dispositioning counterfeits once they are detected.

Who Should Attend

Procurement and quality assurance personnel, supervisors, incoming inspectors, and everyone associated with parts, procurement and component supplies within an electronics manufacturing facility will benefit from attending this counterfeit component course.

Content

- Introduction to counterfeit components
- Prevention and mitigation procedures
 - Screening
 - Counterfeit electronics parts control plan
 - Assessing the problem and penalties
- Detection and inspection categories and techniques
 - Visual inspection using light and high resolution optical microscopy
 - Marking permanency evaluation remarking and resurfacing
 - Non-destructive testing (NDT) using X-ray imaging and inspection
 - Destructive physical testing (DPT) with decapsulation and die examination
 - Energy dispersive X-ray spectroscopy (EDS/EDX) for elemental composition
 - Scanning electron microscopy (SEM) for high magnification imaging
 - Electrical testing for confirmation of operation and/or performance
- Procedures for handling known counterfeit components
 - Disposition
 - Impound
 - Removal/destruction

Benefits

Upon successful completion of this course, students will receive the following:

- a certificate of completion
- an electronic copy of all presentations
- printable files with student handouts

Duration, Registration and Pricing

Contact the training center via any of the methods provided below for pricing of this one-day course.



ACI Technologies, Inc. • phone: 610.362.1200 • web: www.aciusa.org
Training Center • phone: 610.362.1295 • email: registrar@aciusa.org
Helpline • phone: 610.362.1320 • email: helpline@aciusa.org

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