

Workshop



Available for In-House Training

Advanced Counterfeit Detection

**CCAW**

**Counterfeit Electronic  
Components Avoidance  
Workshop**

**Components Technology Institute, Inc.**

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# Counterfeit Electronic Components Avoidance Workshop

Counterfeit electronic components entering the supply chain are causing a huge economic impact in the electronics industry. This Workshop discusses comprehensive avoidance practices to detect counterfeits:

**Examples of counterfeits**  
**Package & marking inspection procedures**  
**Microscopes & detection equipment**  
**Advanced techniques**  
**Advanced X-Ray & XRF practices**  
**Decapping techniques**  
**Die inspection & authentication**  
**Data to prove they are counterfeits**  
**Electrical Testing**

Over 800 attendees to past Workshop in USA and Europe.

- *Counterfeit components are causing a major catastrophe in the electronics industry*
- *The problem is rapidly growing based on recent DHS/CBP information.*
- *The impact is affecting automotive, consumer, medical, military and space electronics.*
- *Urgent and thorough action is required by OEMs, CMs & IDs to reduce counterfeit problems.*

## *The Workshop is Designed for:*

**OEM Component Engineers**  
**Supply Chain Personnel**  
**Project Personnel**  
**Purchasing Managers and Buyers**  
**Quality Managers & Engineers**  
**Inspection Personnel**  
**Laboratory & Analysis Technicians**

## *What is Causing Counterfeit Components?*

- Obsolete Components.
- Purchasing from non-franchise suppliers.
- Long delivery times from OCM and FD.
- Huge accumulations of electronic scrap to source counterfeits.
- Buyers searching for low prices.
- Lack of counterfeit awareness and training.

## *Goal*

Provide awareness and training in the techniques and successful practices to detect and avoid counterfeit components plus the typical costs, legal issues and risks associated with them.

## *New Issues*

- Due diligence practices that OEMs and Independent Distributors should use.
- Detecting newly manufactured counterfeits.
- Improved detection techniques.
- Industry standards (AS5553A, AS6081) to avoid counterfeits

# Counterfeit Electronic Components Avoidance Workshop

This Workshop provides excellent training and guidance for your personnel on due diligence practices to avoid counterfeit components. Plus new information has been added on detecting reclaimed components; manufacturing of new counterfeits and suggested "Due Diligence Practices".

## *CCAW Topics*

The listed topics will be presented by experienced component engineers well versed in the detection of counterfeit components.

- 1. Introduction & overview of issues;*
- 2. Optical inspection equipment & useful photographs;*
- 3. Counterfeit examples compared to authentic components;*
- 4. New DoD requirements;*
- 5. X-ray practices and findings;*
- 6. XRF verification of leads materials;*
- 7. Decap: Mechanical & chemical;*
- 8. Die inspection;*
- 9. Electrical testing;*
- 10. New industry standards, AS5553A, AS6081*

*Attendees are invited to discuss their counterfeit issues.*

*Attendees will receive a Certificate of Attendance*

## *Comments Received from Past CCAW*

- Excellent information on how to spot counterfeits.*
- Good criteria for supplier selection and product inspections.*
- Outstanding photos of counterfeit components and how to spot them.*
- More OEMs and independent distributors need to understand the presented.*
- The speakers, technical data, information and examples of counterfeits were outstanding.*
- OEM & CM buyers and purchasing groups need to attend this Workshop.*
- Highly informative on detecting counterfeit components.*
- Best of all counterfeit training I have attended.*

*For a proposal and schedule contact*

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