

Announcement

**Available for In-House Training
Frequently Scheduled Classes**

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 avoidance practices to combat this problem through case histories, contributing causes, procurement issues, inspection & testing techniques and the avoidance actions that should be taken.

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- *Counterfeit components are causing a major catastrophe in the electronics industry*
- *The problem grew over 20% in 2006*
- *The impact is affecting automotive, computer, consumer, telecom, medical, military and space electronics*
- *Urgent action is required to reduce manufacturing yield loss, safety problems, plus improve reliability and customer satisfaction.*

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This Workshop has been presented to a total of over 500 attendees in Los Angeles, Orlando, London, Huntsville, Austin, NASA Houston, Boston, San Diego and private locations.

The Workshop is Designed for:

- Original Equipment Manufacturers (OEMs)
- Original Component Manufacturers (OCMs)
- Contract Manufactures (CMs)
- Independent Distributors (IDs)
- Brokers

What is Causing Counterfeit Components?

- OCM obsoletes the component.
- OEM designs that have a long production life.
- OCM/FD have excessive delivery time.
- AR typically expensive and large minimum orders.
- OEM/CM buyers searching for low prices.
- DOD allocation for critical components.

Announcing the Broker Certification Program for Counterfeit Components Avoidance

CTI will announce and explain their new Program to Certify Brokers for avoiding the delivery of counterfeit components to their customers.

The mandatory elements of this Program include:

- Strict purchasing terms and conditions the Brokers must impose on their suppliers.
- Documentation checking and verification.
- Inspection of component markings for remarkings and signs of previous use.
- DPA of samples to verify die authenticity to the original manufacturer (OCM).
- Electrical testing of 100% or samples (based upon quantity) to assure conformance to OCM data sheets or military specs.
- Rejection and classification as counterfeit any component lots, which fail these mandatory criteria.

Counterfeit Electronic Components Avoidance Workshop

Who Should Attend:

**Components Engineers
Purchasing Managers and Buyers
Quality Managers & Engineers
Inspection Personnel
Laboratory & Analysis Technicians**

Goal

Provide awareness and training in the techniques and practices required to detect and avoid counterfeit components and the costs and risks associated with them.

Workshop Topics

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

- 1. Scope and Overview*
- 2. Experiences Detecting Counterfeit Components*
- 3. Microcircuits, How to Authenticate Good from Bad*
- 4. Effective Electrical Testing*
- 5. Detection Methods and Tools for Counterfeit Detection*
- 6. Data Sources for Component Authentication*
- 7. Impact of RoHS Conversions on Reliability*
- 8. New CTI Broker Certification Program*

Attendees will receive a Certificate of Attendance

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Comments Received from Past Workshops

- 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 Brokers need to understand the actions presented in this Workshop.*
- 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.*

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Costs and Schedules

Contact CTI for a proposal to hold this one day training session in your facility. The Counterfeit Components Avoidance Workshop (CCAW) is scheduled frequently around the country. Watch this web site for future dates, locations and costs.

CTI, Inc.

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