

# NASA Counterfeit Parts Awareness and Inspection

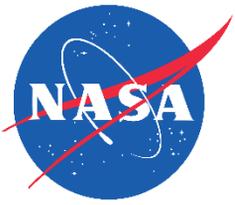
## Counterfeit Parts in the News

- The spread of counterfeit electronic components continues within the global supply chain and has penetrated various governmental agencies, including NASA and the US Department of Defense.
- The risk of counterfeit electronics being used in military equipment prompted an investigation by the Senate Armed Services Committee and aggressive legislation in the 2012 National Defense Authorization Act.
- NASA is responding to the issue through U.S. Congressional Act S.3729, authorizing NASA to plan, develop and implement a program to detect, track, catalog and reduce the number of counterfeit electronic parts in the NASA supply chain



## Training details and objectives:

- Gain a basic understanding of the electronics parts counterfeit issue
- Gain basic knowledge of the supply chain environment for EEE parts
- Gain awareness of typical methods used in counterfeiting
- Examine risk mitigation steps
- Review verification and inspection processes for the detection of counterfeit parts
- Foster awareness within the Space and Defense Industry and provide training to contractors, manufacturers, suppliers, and other Federal agencies as appropriate



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## Counterfeit Topics

- Sources of Supply
  - Controlled vs Open Market
- Government Regulations
  - DFARS, FARS, NDAA, NASA Parts Policy
- Industry Standards
- Importance of a Counterfeit Mitigation Plan
  - Procurement, Part Availability, Inspection
- How Counterfeit Parts Enter the Supply Chain
- Counterfeiting Techniques
  - Clones, Blacktopping, Returns, False Upating
- External Visual Inspection
  - Package, Marking, Lead Inconsistencies
- Advanced Counterfeit Methods
  - X-ray, Decapsulation, SEM, SAM and more

## Training Schedule:

- Full day training session
- Recommended for new attendees
- Awareness and hands-on inspection training of counterfeit electronic components
- Participants will receive a certificate of completion and electronic copy of the material
- Half-day training also available

Please Contact:

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