Gaining Proficiency in Component Sourcing and Selection to Ensure Parts Availability

May 17,18, 2012

Instructor: Peter Morse, IHS Inc.

Electronics Subject Matter Expert

Contact: 303-522-5667, peter.morse@ihs.com

Session Outline

During this session:

attendees will be given guidance and instruction intended to aid their organization in making wise product design, sourcing, compliance and obsolescence management decisions in less time:

thus increasing the probability of procuring authentic parts.

2012 National Defense Authorization Act

One Hundred Twelfth Congress
of the
United States of America

AT THE FIRST SESSION

Begun and held at the City of Washington on Wednesday,
the fifth day of January, two thousand and eleven

An Act

To authorize appropriations for fiscal year 2012 for military activities of the Depart-
ment of Defense, for military construction, and for defense activities of the
Department of Energy, to prescribe military personnel strengths for such fiscal
year, and for other purposes.

Be it enacted by the Senate and House of Representatives of
the United States of America in Congress assembled,

SECTION 1. SHORT TITLE.

This Act may be cited as the "National Defense Authorization
Act for Fiscal Year 2012".

Section 818: Detection and Avoidance of Counterfeit Electronic Parts

- *Requires…processes to abolish counterfeit parts*

- *Requires…the use of trusted suppliers*

- *Requires…the design, operation, and maintenance of systems to detect and avoid counterfeit electronic parts*

- *Requires…standards and processes for identifying such trusted suppliers comply with established industry standards*

Industry Standards

SAE AS5553

SAE AS5553

• Obsolescence can increase the risk of acquiring counterfeit electronic parts. To reduce the likelihood of purchasing counterfeit parts, electronic equipment manufacturers should proactively manage the life cycle of their products through the use of a Diminishing Manufacturing Sources and Material Shortages (DMSMS) management plan.

• The processes shall maximize availability of authentic, originally designed and/or qualified parts throughout the product's life cycle, including management of parts obsolescence.

Meet Regulatory and Industry Specified Compliancy

IHS can help by providing the required tools and content:

- Effective component selection is critical to mitigating costs and risks associated with counterfeit and obsolete components.

- This session will show how organizations can take a proactive approach to component selection by systematically reviewing multiple manufacturer sources for the absolute best possible component selection for your designs.

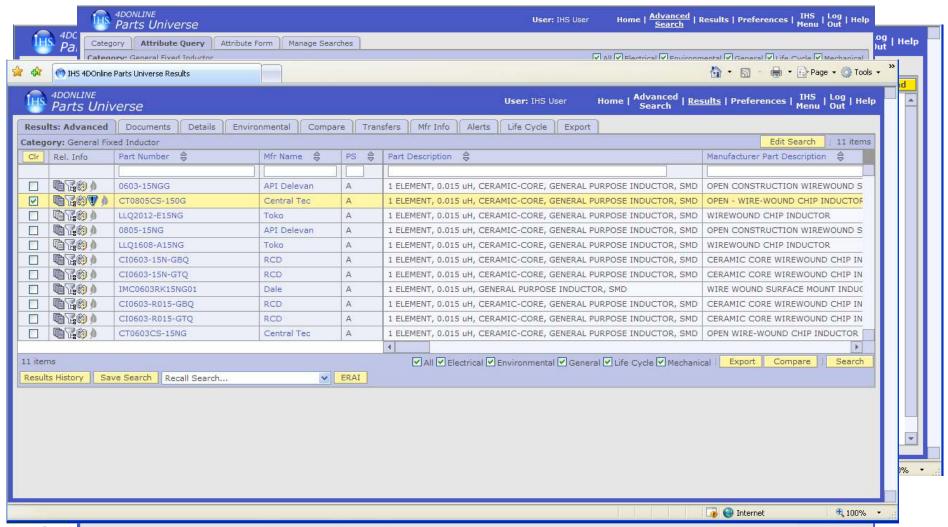# IHS Electronic Components Database - CAPS Universe

The Electronics Database contains component information on over 300 million electronic components, from more than 1,500 manufacturers representing over 450 part categories

- *Batteries*
- *Connectors*
- *Crystals / Oscillators*
- *Cylindricals*
- *Electro-Mechanical Components*
- *Fans & Blowers*
- *Fasteners & Hardware*
- *Fiber Optic Connectors*
- *Fiber Optic Devices*

- *Fuses & Circuit Protection*
- *Heat Sinks*
- *Sensors*
- *Passive Devices*
- *Power Supplies*
- *Relays*
- *RF Microwave Devices*
- *Semiconductors*
- *Transformers*

Search millions of semiconductors, passive devices, electro-mechanical and other parts
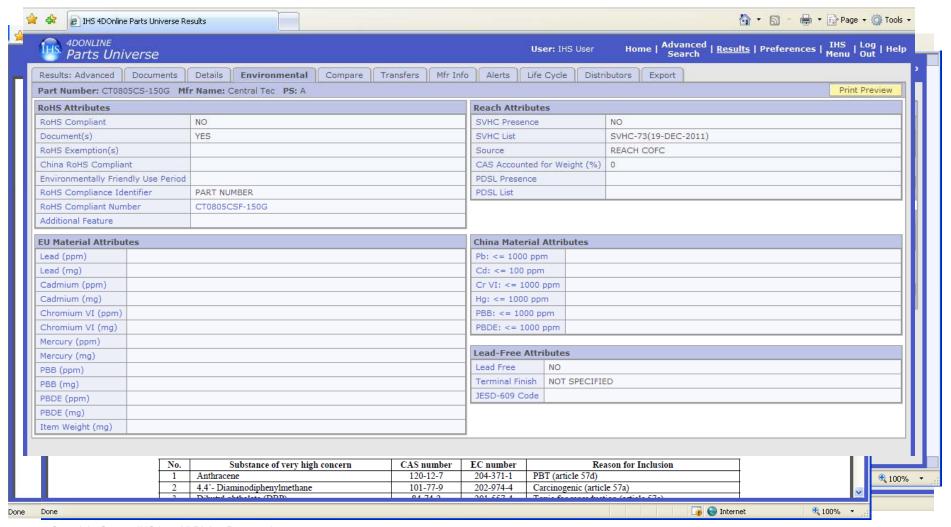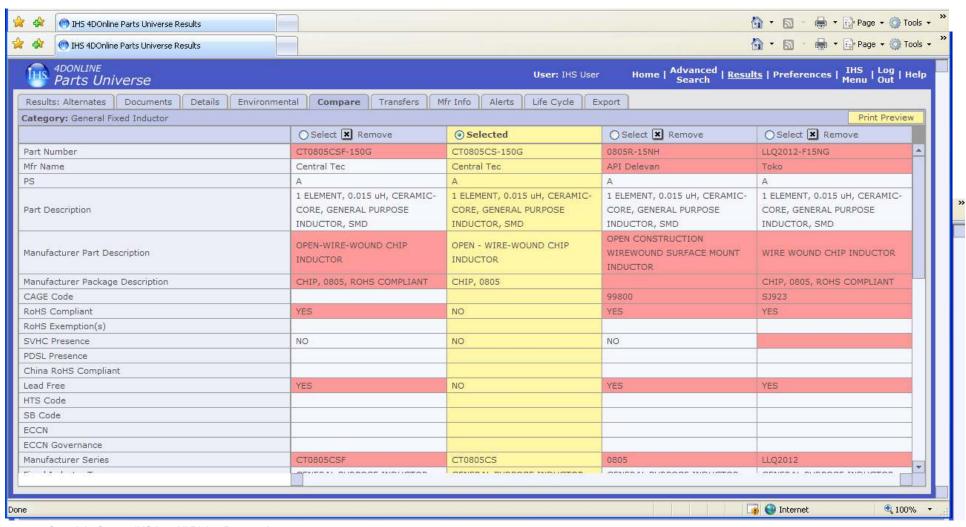
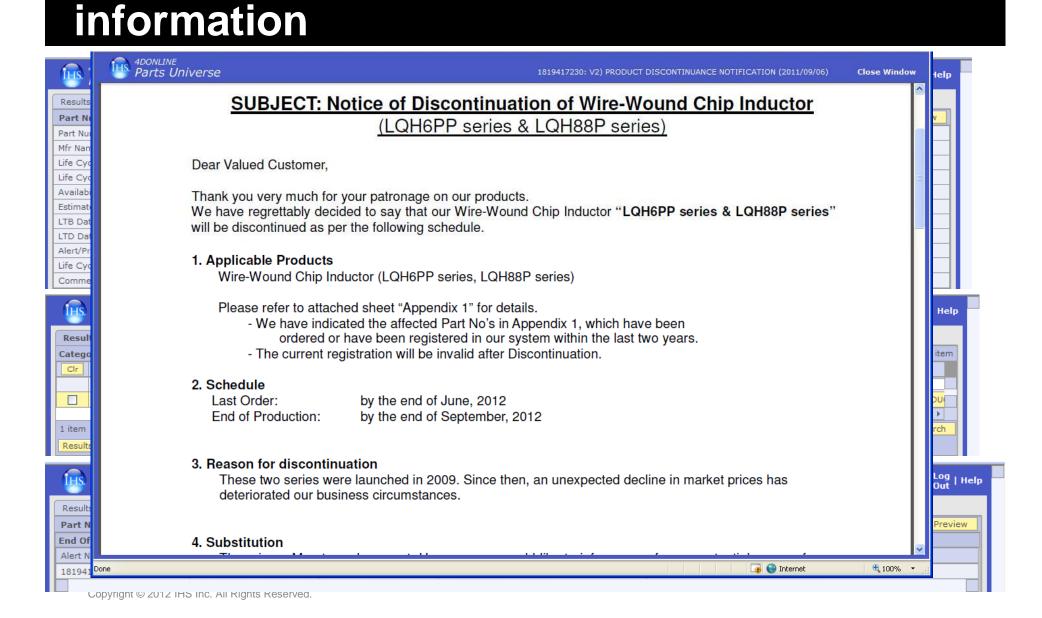# View technical specifications, datasheets, and environmental compliance documents

Identify equivalent parts, upgrades, downgrades, and RoHS-compliant substitutes
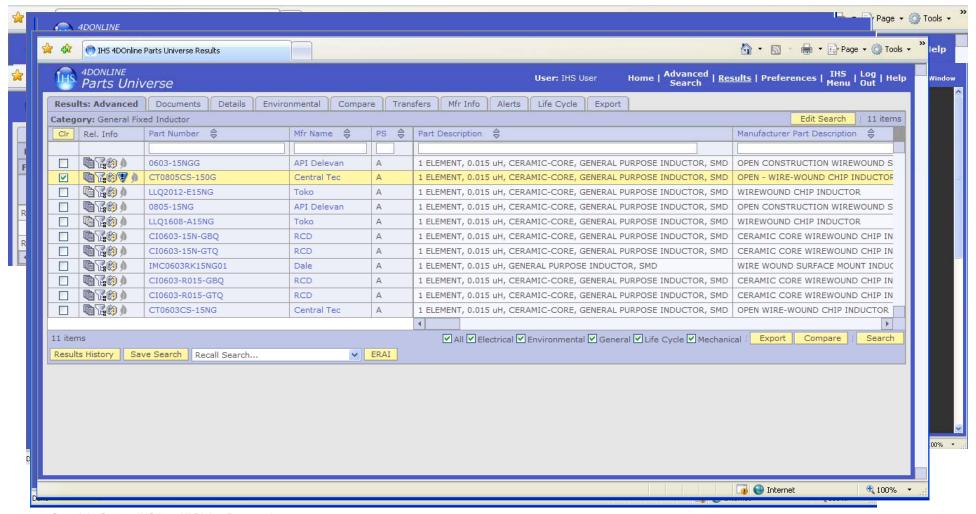
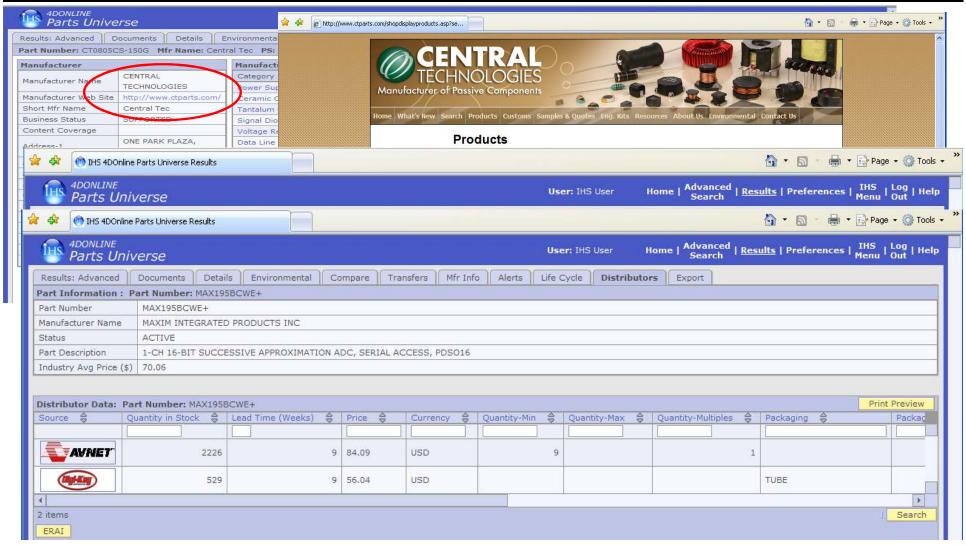# Analyze lifecycle stage, availability, predicted or actual EOL, and part LTB information

4DONLINE Parts Universe

1819417230: V2) PRODUCT DISCONTINUANCE NOTIFICATION (2011/09/06)   **Close Window**

SUBJECT: Notice of Discontinuation of Wire-Wound Chip Inductor
(LQH6PP series & LQH88P series)

Dear Valued Customer,

Thank you very much for your patronage on our products.
We have regrettably decided to say that our Wire-Wound Chip Inductor "**LQH6PP series & LQH88P series**" will be discontinued as per the following schedule.

1. Applicable Products
Wire-Wound Chip Inductor (LQH6PP series, LQH88P series)

Please refer to attached sheet "Appendix 1" for details.
- We have indicated the affected Part No's in Appendix 1, which have been ordered or have been registered in our system within the last two years.
- The current registration will be invalid after Discontinuation.

2. Schedule
Last Order: by the end of June, 2012
End of Production: by the end of September, 2012

3. Reason for discontinuation
These two series were launched in 2009. Since then, an unexpected decline in market prices has deteriorated our business circumstances.

4. Substitution

Access PCN/EOL alerts and counterfeit reports

Evaluate price, availability, and sources for parts and substitute parts

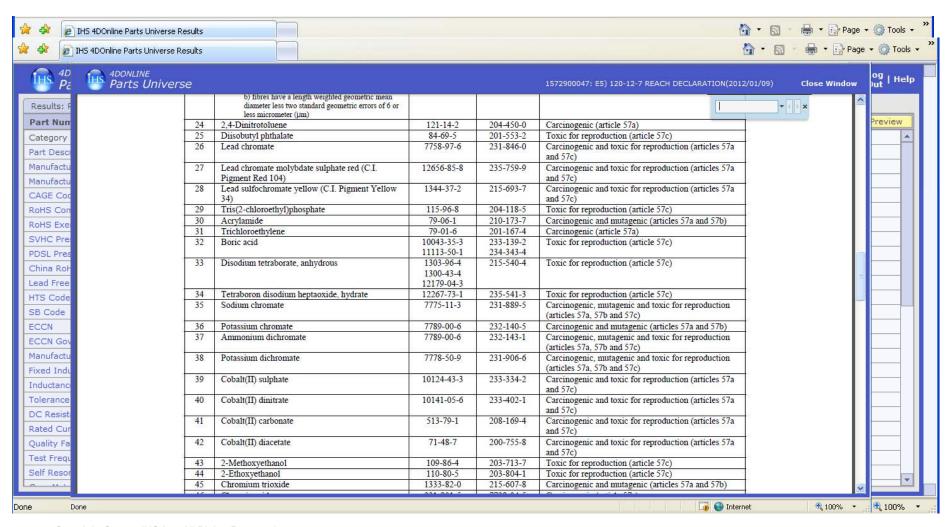# Retrieve RoHS, REACH, and other compliance information and documentation

NEXT Steps

1. *Gain access to a parts research tool that effortlessly exposes multiple manufacturer FFF component sources to chose from.*

2. *Gain access to a parts research tool <u>to maximum your decision support</u>. Allowing access to a rich set of technical parametric data, Life Cycle prediction, FFF alternates search/compare, datasheets, environmental documents, PCNs, EOLs, GIDEP and ERAI counterfeit alerts.*

3. *Gain access to a parts research tool that supports sourcing from trusted manufacturers and franchised distribution sources.*