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# Packaging Labels

(RoHS and Pb Free Compliance)

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**Introduction**

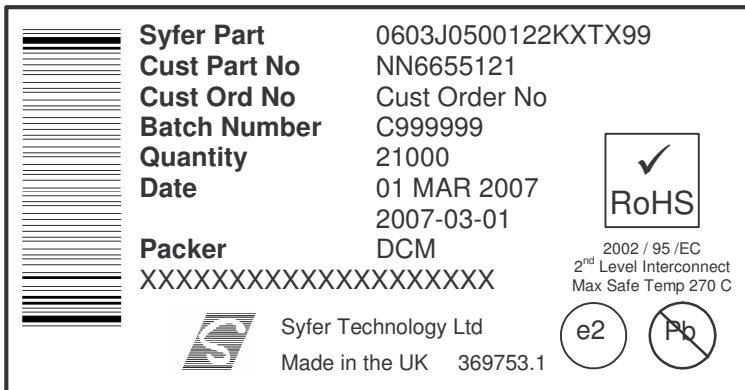
With the implementation of the European RoHS directive in July 2006 and the China RoHS phase I requirements in March 2007, Syfer has received numerous RoHS compliance questionnaires with requests for the product status to be displayed on packaging labeling.

With respect to displaying the product status on packaging labeling, customers are generally concerned regarding two issues:

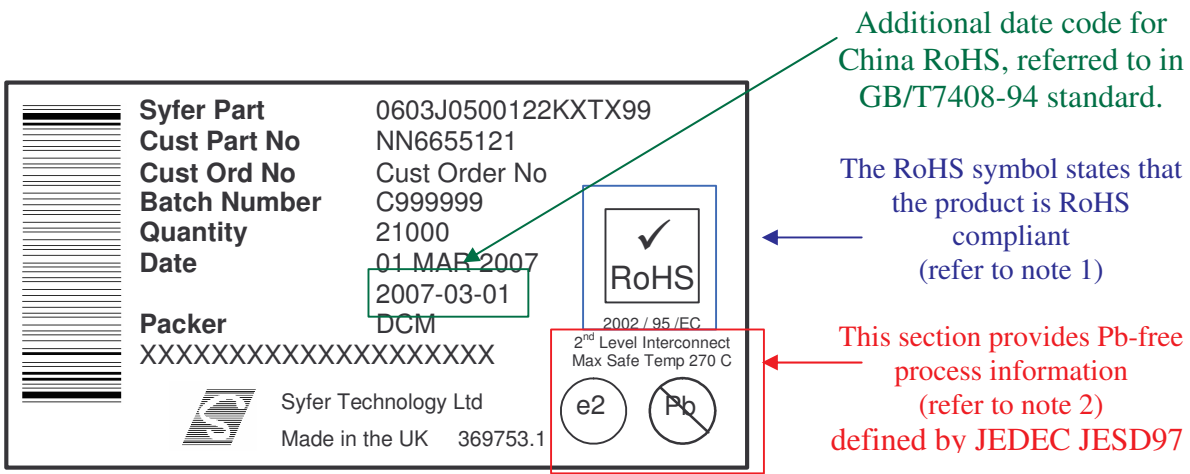
1. Is the product RoHS compliant?
2. Does the product conform with Pb-free assembly process requirements?


The purpose of this application note is to explain changes to the standard Syfer label format to declare RoHS compliance and Pb-free process information.

**Standard Label Format**



Example of a standard Syfer label with RoHS and lead-free information



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## Notes

1. RoHS compliant symbol.

At the time of implementing the changes to the standard Syfer label, searches for an industry standard that defined a RoHS compliant symbol produced a nil return. The RoHS compliant symbol displayed on Syfer labels has been generated in response to customer enquiries and suggestions.

2. Pb-free process information.

This section on the label has been generated to comply with the requirements defined by JEDEC Standard JESD97 – Marking, Symbols, and Labels for Identification of Lead (Pb) Free Assemblies, Components and Devices.

The information defines:

- The Pb-free termination finish category. Syfer components will typically be labeled with the following (depending on customer order requirements):
  - e3 - Sn.
  - e4 - Precious Metal.
- That the 2<sup>nd</sup> level interconnect (refer to JEDEC JESD97) terminal finish of components are Pb-free.
- The maximum temperature that the components should attain during assembly.

JEDEC JESD97 is available at [www.jedec.org/download/search/JESD97.pdf](http://www.jedec.org/download/search/JESD97.pdf)

## Customer Specific Labels

Where customers define specific labeling requirements, the RoHS compliant symbol and Pb-free process information will be added onto the label (space permitting) or onto a separate label attached to the packaging.

For further information regarding customer specific labeling requirements then please contact Syfer Sales department at [www.syfer.com](http://www.syfer.com)