



Syfer Technology Limited, Old Stoke Road,
Arminghall, Norwich, Norfolk, NR14 8SQ,
United Kingdom
Tel: +44 (0) 1603 723300.
Tel. (Sales): 01603 723310
Fax: +44 (0) 1603 723301
Email: sales@syfer.co.uk
Web: www.syfer.com

Packaging Labels

(RoHS and Pb Free Compliance Labelling)

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Introduction

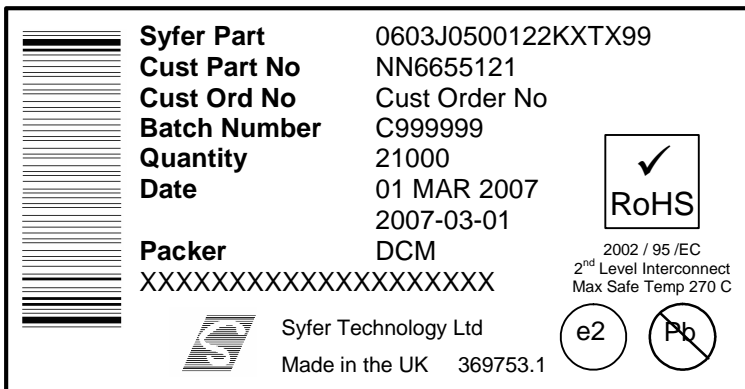
With the implementation of the European RoHS directive in July 2006 and the China RoHS phase I requirements in March 2007, Syfer has received numerous RoHS compliance questionnaires with requests for the product status to be displayed on packaging labeling.

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

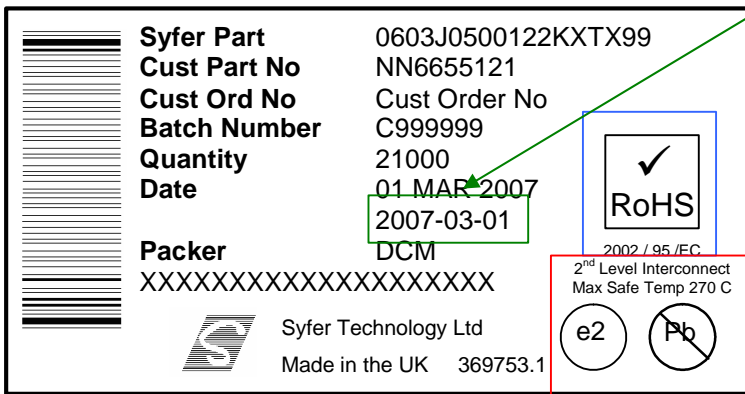
1. Is the product RoHS compliant?
2. Does the product conform with Pb-free assembly process requirements?

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



Additional date code for China RoHS, referred to in GB/T7408-94 standard.

The RoHS symbol states that the product is RoHS compliant (refer to note 1)

This section provides Pb-free process information (refer to note 2) defined by JEDEC J-STD-609

 <p>The logo for Syfer CMP, a Dover Company. It features a stylized 'S' inside a blue circle with 'CMP' written below it. To the right, the word 'SYFER' is written in a bold, blue, sans-serif font, with 'A DOVER COMPANY' in smaller text underneath.</p>	Application Note Reference No. AN0013 – Packaging Labels Issue 5	Page 3 of 3
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Notes

1. RoHS compliant symbol.

At the time of implementing the changes to the standard Syfer label, no industry standard RoHS compliant symbol was available. 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 IPC/ JEDEC J-STD-609 Marking and Labeling of Components, PCBs and PCBA's to Identify Lead (Pb), Pb-Free and Other Attributes. Section 4.3 defines 2nd Level Interconnect Component Label requirements.

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 2nd level interconnect (refer to IPC/ JEDEC J-STD-609) terminal finish of components are Pb-free.
- The maximum temperature that the components should attain during assembly.

IPC/ JEDEC J-STD-609 is available at <http://www.jedec.org/download/search/J-STD-609.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