



China RoHS Compliance at Cypress

White Paper

Revision 2

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August 27, 2007

The purpose of this white paper is to update and document Cypress Semiconductor position in relation to the compliance to China RoHS directive requirements.

1. China RoHS Requirements

Reference the documents on standards SJT 11363/4/5 released on Nov 6, 2006 and the FAQ clarifications released on January 5, 2007 by China's Ministry of Information Industry (MII), following is Cypress Semiconductor understanding of the China RoHS directive.

China RoHS is implemented by MII in two phases:

Phase One - Labeling and self declaration of material content

Phase Two - Compliant to material restrictions for products listed in the catalog and certified by accredited labs in China

2. Cypress Implementation Status

2.1 Labeling

Cypress labels the products and packing materials per the following procedure that complies with China RoHS requirement:

(a) Product Identification and Labeling

The product is identified and marked as illustrated in Figure 1 for a Pb-Free/RoHS compliant and Figure 2 for a Non Pb-Free/Non RoHS compliant product. The Pb-Free/RoHS compliant product is identified with a suffix letter "X" appended to the Marketing Part Number, while the Non compliant product does not have the letter "X". Due to space constraints, China RoHS labels will not be marked on the components, as accepted by China RoHS regulations.

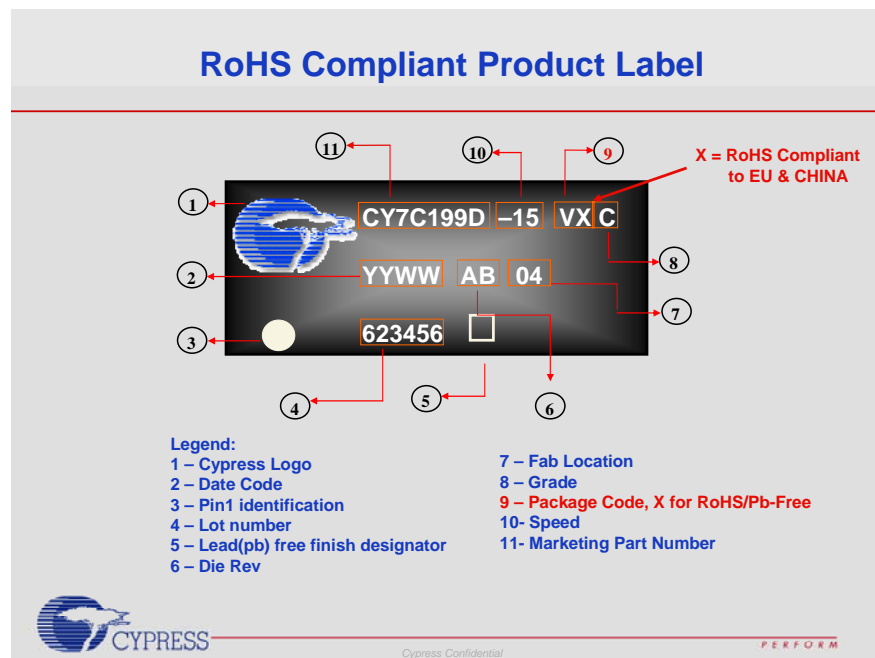


Figure 1

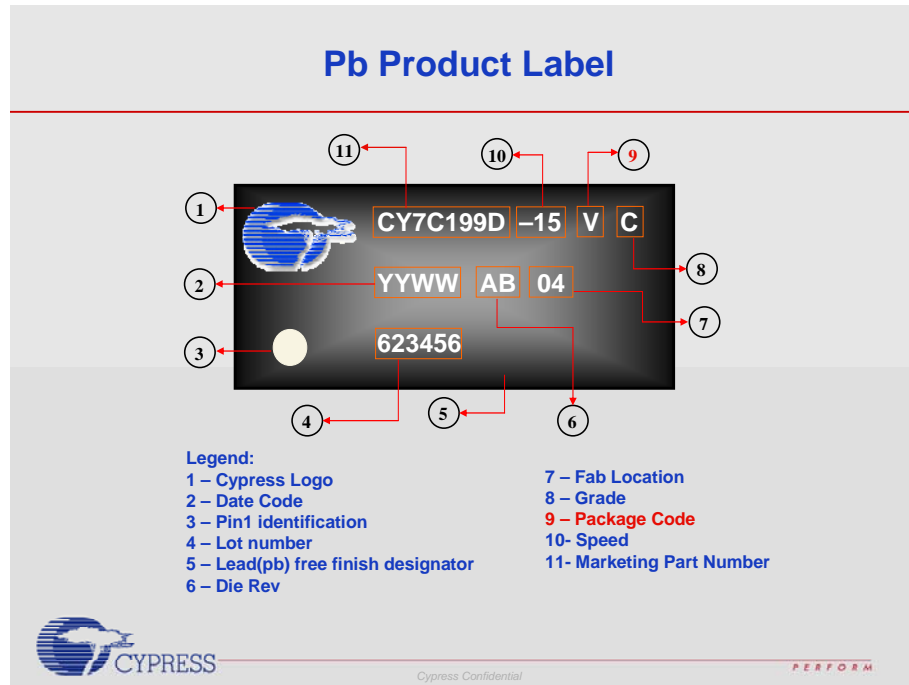


Figure 2

(b) Packing Materials Labeling

For Pb-Free/RoHS compliant products, the China Logo 1 in Figure 3 is marked effective WW200732. For Non compliant products, Logo 2 in Figure 4 is marked. The number “50” in Logo 2 signifies the “Environmental Friendly Use Period” (EFUP) in years. The applicable logo is marked on the address label on the outer packing box and the label of each moisture resistant packing bag.



Figure 3 – RoHS Compliant



Figure 4 – Non RoHS Compliant



(c) Certificate of Compliance

In addition to the above labeling, the Certificate of Compliance in Chinese is provided along with the shipping documents, see table 1 below. If any of the banned substances is present per the customer purchase order for the Non Compliant product, an “X” is marked for the presence of that substance and “0” is marked for the absence.

有毒有害物质名称及含量的标识格式						
CHINA RoHS – Table of Hazardous Substances and Concentration						
部件名称 Part Number	有毒有害物质或元素 Hazardous Substances' Name					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr ⁶⁺)	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
.....
○ : 表示该有毒有害物质在该部件所有均质材料中的含量均在 SJ/T0000-xxxx 标准规定的限量要求以下。 × : 表示该有毒有害物质至少在该部件的某一均质材料中的含量超出 SJ/T0000-xxxx 标准规定的限量要求。 (企业可在此处, 根据实际情况对上表中打“×”的技术原因进行进一步说明。)						
○ : indicate hazardous substance concentration lower than MCV ×: indicate hazardous substance concentration higher than MCV (company can explain technical reason to mark “×”)						

Table 1

2.2 Cypress Pb-Free or RoHS compliant products comply with China RoHS material content requirements. Cypress has available RoHS compliant products for every marketing part number. At this point, MII has not listed any product in the catalog.

3. Cypress Semiconductor will continue to monitor China RoHS and global RoHS developments and update its procedure as applicable.

4. Please contact your Cypress Semiconductor sales personnel if there is any question related to this white paper.