

## Product Change Notice

**Issue Date: 18th November 2005**

### Change Type:

- 1) Notification on Pb-Free (Lead-Free) Conversion Schedule for all HCTL parts.

### Parts Affected and New Schedule:

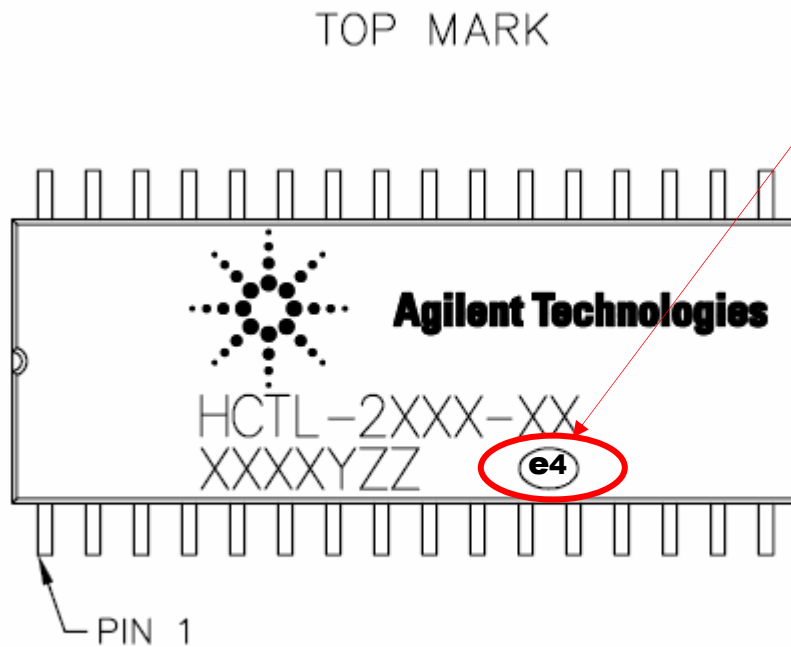
Part Number	Package Type	Leaded (Pb) Products Mass Production Availability	Lead-Free (Pb-Free) Products Mass Production Availability
HCTL-1100	PDIP	Up to Feb 2006	Mar 2006
HCTL-2022	PDIP	Up to Feb 2006	Mar 2006
HCTL-2032	PDIP	Up to Feb 2006	Mar 2006
HCTL-2001-A00	PDIP ( <i>New!</i> )	* Unavailable *	Mar 2006
HCTL-2017-A00	PDIP ( <i>New!</i> )	* Unavailable *	Mar 2006
HCTL-2021-A00	PDIP ( <i>New!</i> )	* Unavailable *	Mar 2006
HCTL-1100#PLC	PLCC	Up to Jun 2006	Jul 2006
HCTL-2032-SC	SOIC	Up to Jun 2006	Jul 2006
HCTL-2001	PDIP ( <i>New!</i> )	Jan 2006 to Jun 2006	Jul 2006
HCTL-2017	PDIP ( <i>New!</i> )	Oct 2005 to Jun 2006	Jul 2006
HCTL-2021	PDIP ( <i>New!</i> )	Oct 2005 to Jun 2006	Jul 2006
HCTL-2017-PLC	PLCC ( <i>New!</i> )	Feb 2006 to Jun 2006	Jul 2006
HCTL-2021-PLC	PLCC ( <i>New!</i> )	Feb 2006 to Jun 2006	Jul 2006

### Description and Extent of Change:

Conversion to Lead-Free (Pb-Free) products will be in accordance to the above schedule. This will supersede PCN: A05-006-476103-OA.

A) Product terminal finish.

B) Lead-Free (Pb-free) identification will be as shown in sample below:



Example:  
Lead-Free identification symbol  
(JeDEC category for Lead-Free  
package)

Representation of Lead-Free  
marking will be in either form:

1. e3 : Pure Tin, or
2. e4 : NiPdAu

**Reasons for Change:**

Lead-Free (Pb-Free) products are introduced in response to the EU Directive on the Restriction on the use of certain Hazardous Substances in Electrical & Electronic Equipment (RoHS).

**Effect of Change on Fit, Form, Function, Quality, or Reliability:**

This change will not affect Fit, Form and Function of the products.

**Effective Date of Change:**

Implementation will be in accordance to the schedule in Table 1.

**Qualification Data:**

Available upon request.

These changes have been reviewed and approved by Agilent Technologies engineers and managers per Agilent Technologies procedure: Change Control and Customer Notification, A-5962-6052-80.

Please contact your Agilent field sales engineer or Contact Center (<http://www.agilent.com/view/contactus>) for any questions or support requirements. Please return any response as soon as possible, but not to exceed 30 days.