



Supplement
CUSTOMER PRODUCT-/ PROCESS CHANGE NOTIFICATION

Reactions to this notifications are to be addressed to your local Philips sales representative or quality contact.

CPCN Number: 200305025S6	CPCN Issue Date: Dec 29 2004				
Author: Maas Geesteranus, Michiel in Nijmegen	Issued by: Maas Geesteranus, Michiel in Nijmegen				
Previous Notifications: May 28, 2003: 200305025 Advance Nov 05, 2003: 200305025F Final Dec 16, 2003: 200305025S Supplement	More Previous Notifications: Feb 20, 2004: 200305025S Supplement Jun 18, 2004: 200305025S Supplement Sep 28, 2004: 200305025S Supplement Nov 16, 2004: 200305025C Correction Nov 17, 2004: 200305025S Supplement				
IC Application Area: In Multiple IC Areas					
Change Affects a Whole Prod/Proc/Pkg Family? No					
Product Types/12ncs Affected:					
12NC	12NC (New)	Type Number	Type Number (New)	Philips Package Code	Package Name
999999999999		FOR THE TYPelist	SEE THE WEBPAGE A	INDICATED BELOW	UNDER REMARKS
Change Category: ASSEMBLY/SITE/PACKAGE/MATERIAL					
Change Description:					
Lead (Pb) containing leadfinish material will be replaced by a lead(Pb)-free leadfinish material. The 1st till 5th phases were communicated via the Final and 1st-5th Supplement CPCN's of Nov5, Dec16, 2003 and Feb20, June18, Sept28 and Nov17, 2004 resp.. A correction CPCN was issued on Nov 16, 2004. Through this 6th Supplement to the Final CPCN the conversion of the 7th phase products to Pb-free is communicated: Introduction of NiPdAu + green die-attach (Ablestik Ablebond 8290) and molding compound (Sumitomo EMEG700) as lead-free + green solution for part of the leadframe based TSSOP packages at Amkor Philippines (ATP).					
Reason for Change:					
Increased environmental friendliness, required by world-wide programs and legislation (RoHS) to remove lead (Pb) from semiconductor package terminals.					
Remarks:					
The Final CPCN is split-up in several phases (1 Final CPCN followed by supplements for each next phase). This 6th Supplement is intended as the 7th "Final CPCN" through which the 7th phase introduction is communicated. PROPERTIES OF OLD VS CHANGED PRODUCT: The form/fit/function properties of the products are not influenced by the change. As the leadtin(SnPb)plating is replaced by NiPdAu preplating, the visual appearance of the leads may change. The mounting of products on PCB are not influenced by this change. Pb-free and Pb-containing product are compatible for SnPb and Pb-free boardmounting processes. With Pb-free introduction all mentioned products comply to RoHS. DISPOSITION OF OLD PRODUCTS: Pb-free products delivery starts once Pb-containing products are depleted. IDENTIFICATION OF CHANGED PRODUCT: The Pb-free products can be identified: 1. By a Pb-free logo on the label, e.g. on reel and inner packing box. 2. If space permits : By marking the symbol "G" on the product. 3. By backward traceability through date codes. ESTIMATED DATE FOR DELIVERY OF CHANGED PRODUCT: From February 2005 onwards. The ZIP file attached at "Attachement" below contains following information: 1. Qualification results report. 2. Product type list 7th phase. All above information is also available on the leadfree webpage: http://www.semiconductors.com/green_roadmap/ .					
Supplemented As Follows:					
See text under "remarks".					
Attachment: See text under "remarks"					



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Approved by:	Name:	Job Title:	Date:
	Eef Bagerman	Sr. Director ATO Innovation	Dec 29 2004
	Rob de Heus	Leadfree Program Manager	Dec 29 2004
	Michiel Maas Geesteranus	Assembly Technical Change Coordinator ATO I	Dec 29 2004

An approved electronic or hardcopy version of this Change Notification has been filed by the publishing Business Unit or Business Line/Orgnaization mentioned at the top of this document.



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