



# **PRODUCT/PROCESS CHANGE NOTIFICATION**

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PCN APM-LOG/08/3949  
Notification Date 08/13/2008

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**CONVERSION OF SELECTED PRODUCTS TO GREEN PACKAGING BY CARSEM**

**Table 1. Change Implementation Schedule**

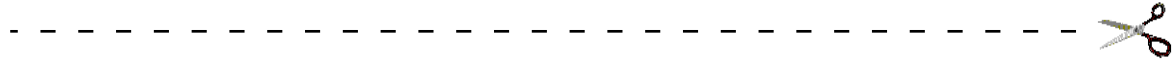
Forecasted implementation date for change	06-Aug-2008
Forecasted availability date of samples for customer	12-Nov-2008
Forecasted date for <b>STMicroelectronics</b> change Qualification Plan results availability	06-Aug-2008
Estimated date of changed product first shipment	12-Nov-2008

**Table 2. Change Identification**

Product Identification (Product Family/Commercial Product)	See Attached
Type of change	Package assembly material change
Reason for change	Subcontractor, Carsem, is converting to Halogen Free "Green" packaging.
Description of the change	Our subcontractor in Malaysia, Carsem, is converting production of selected products in SOT23 and SOT143 packages to Halogen Free, "Green" packaging. Also included will be a conversion to a halogen free die attach material. The materials included are RoHS compliant, halogen free and contain no Bromine or Antimony flame retardants
Product Line(s) and/or Part Number(s)	See attached
Description of the Qualification Plan	See attached
Change Product Identification	See Attached
Manufacturing Location(s)	

Table 3. List of Attachments

Customer Part numbers list	
Qualification Plan results	



Customer Acknowledgement of Receipt		PCN APM-LOG/08/3949
Please sign and return to STMicroelectronics Sales Office		Notification Date 08/13/2008
<input type="checkbox"/> Qualification Plan Denied	Name:	
<input type="checkbox"/> Qualification Plan Approved	Title:	
	Company:	
<input type="checkbox"/> Change Denied	Date:	
<input type="checkbox"/> Change Approved	Signature:	
Remark		
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## DOCUMENT APPROVAL

Name	Function
Mcdonagh, Gary	Division Marketing Manager
Sonnino, Ruben	Division Product Manager
Winn, Robert E	Division Q.A. Manager



# PRODUCT/PROCESS CHANGE NOTIFICATION

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PCN APM-LOG/08/3949

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## CONVERSION OF SELECTED PRODUCTS TO GREEN PACKAGING BY CARSEM

Our subcontractor in Malaysia, Carsem, is converting production of selected products in SOT23 and SOT143 packages to Halogen Free, "Green" packaging. Also included will be a conversion to a halogen free die attach material. The materials included are RoHS compliant, halogen free and contain no Bromine or Antimony flame retardants.

### WHY?

This conversion is being implemented as part of STMicroelectronics' commitment to environmentally friendly packaging.

### WHEN?

Production parts will ship as early as November 2008. Samples can be made available upon request.

### HOW WILL THE CHANGE BE QUALIFIED?

Qualification is being done in accordance with STMicroelectronics Corporate procedures. Material and qualification data can be made available upon request.

### IMPACT ESTIMATION AT USER'S SIDE

This conversion to Halogen Free should have no impact besides being more environmentally friendly.

### ABOUT TRACEABILITY

These parts can be identified by date code on the packing box label. Due to the limitations of the package size and marking restrictions, only the packing label will have the date code identifying the product as being halogen free, antimony free. Date code 844 and higher will be halogen free (Green).

**Affected Parts:**

STCL1100YBFCWY5	STM1818RWX7F	STM6719TZWB6F	STM6822ZWY6F
STCL1120YBFCWY5	STM1818SWX7F	STM6720SFWB6F	STM6823LWY6F
STCL1160YBFCWY5	STM1818TWX7F	STM6720SVWB6F	STM6823MWY6F
STM1001LWX6F	STM6315LBW13F	STM6720SYWB6F	STM6823RWY6F
STM1001MWX6F	STM6315MDW13F	STM6720SYWB6R	STM6823SWY6F
STM1001RWX6F	STM6315RAW13F	STM6720TGWB6F	STM6823TJWY6F
STM1001SWX6F	STM6315RBW13F	STM6720TWWB6F	STM6823TWY6F
STM1001TWX6F	STM6315RDW13F	STM6720TZWB6F	STM6824LWY6F
STM1022SW16F	STM6315RGW13F	STM6777SFWB6F	STM6824MWY6F
STM1061N16WX6F	STM6315SDW13F	STM6777SVWB6F	STM6824RWY6F
STM1061N17WX6F	STM6321LWY6F	STM6777SYWB6F	STM6824SWY6F
STM1061N19WX6F	STM6321MAWY6F	STM6777TGWB6F	STM6824TWY6F
STM1061N21WX6F	STM6321MWY6F	STM6777TWWB6F	STM6825LWY6F
STM1061N22WX6F	STM6321RWY6F	STM6777TZWB6F	STM6825MWY6F
STM1061N23WX6F	STM6321SWY6F	STM6778SFWB6F	STM6825RWY6F
STM1061N25WX6F	STM6321TWY6F	STM6778SVWB6F	STM6825SWY6F
STM1061N26WX6F	STM6322LWY6F	STM6778SYWB6F	STM6825TWY6F
STM1061N27WX6F	STM6322MWY6F	STM6778TGWB6F	STM809LWX6F
STM1061N28WX6F	STM6322RWY6F	STM6778TWWB6F	STM809MWX6F
STM1061N29WX6F	STM6322SWY6F	STM6778TZWB6F	STM809RWX6F
STM1061N30WX6F	STM6322TWY6F	STM6779LWB6F	STM809SWX6F
STM1061N31WX6F	STM6717SDWY6F	STM6779SWB6F	STM809TWX6F
STM1061N34WX6F	STM6717SFWY6F	STM6779TWB6F	STM810LWX6F
STM1061N38WX6F	STM6717SJWY6F	STM6779VWB6F	STM810MWX6F
STM1810LWX7F	STM6717SVWY6F	STM6779YWB6F	STM810RWX6F
STM1810MWX7F	STM6717SYWY6F	STM6780LWB6F	STM810SWX6F
STM1811LWX7F	STM6717TGWY6F	STM6780SWB6F	STM810TWX6F
STM1811MWX7F	STM6717TWWY6F	STM6780TWB6F	STM811LW16F
STM1812LWX7F	STM6717TZWY6F	STM6780VWB6F	STM811MW16F
STM1812MWX7F	STM6718SFWY6F	STM6780YWB6F	STM811RW16F
STM1813LWX7F	STM6718SVWY6F	STM6821LWY6F	STM811SW16F
STM1813MWX7F	STM6718SYWY6F	STM6821MWY6F	STM811TW16F
STM1815RWX7F	STM6718TGWY6F	STM6821RWY6F	STM812LW16F
STM1815SWX7F	STM6718TWWY6F	STM6821SWY6F	STM812MW16F
STM1815TWX7F	STM6718TZWY6F	STM6821TWY6F	STM812RW16F
STM1816RWX7F	STM6719SFWB6F	STM6822LWY6F	STM812SW16F
STM1816SWX7F	STM6719SHWB6F	STM6822MWY6F	STM812TW16F
STM1816TWX7F	STM6719SVWB6F	STM6822RWY6F	STWD100NPWY3F
STM1817RWX7F	STM6719SYWB6F	STM6822SWY6F	
STM1817SWX7F	STM6719TGWB6F	STM6822TWY6F	
STM1817TWX7F	STM6719TWWB6F	STM6822YWY6F	

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