



Initial Product/Process Change Notification

Document # : IPCN21747X

Issue Date: 31 May 2017

Title of Change:	Copper wire conversion for LV8548MC and LV8549MC		
Proposed first ship date:	10 November 2017		
Contact information:	Contact your local ON Semiconductor Sales Office or <Tsutomu.Shimazaki@onsemi.com><Takashi.Harashima@onsemi.com><Takeshi2.Hoshino@onsemi.com><Kazumi.Onda@onsemi.com><Shinya.Okada@onsemi.com><Yoshiyuki.Nunokawa@onsemi.com>		
Samples:	Contact your local ON Semiconductor Sales Office.		
Type of notification:	This is an Initial Product/Process Change Notification (IPC�) sent to customers. IPCNs are issued at least 30 days prior to the issuance of the Final Change Notice (FPCN). An IPCN is an advance notification about an upcoming change and contains general information regarding the change details and devices affected. It also contains the preliminary reliability qualification plan. The completed qualification and characterization data will be included in the Final Product/Process Change Notification (FPCN). This IPCN notification will be followed by a Final Product/Process Change Notification (FPCN) at least 90 days prior to implementation of the change. In case of questions, contact <PCN.Support@onsemi.com>.		
Change Part Identification:	Affected products will be identified with date code.		
Change category:	☐ Wafer Fab Change ☒ Assembly Change ☐ Test Change ☐ Other _____		
Change Sub-Category(s):			
☐ Manufacturing Site Change/Addition	☒ Material Change	☐ Datasheet/Product Doc change	
☐ Manufacturing Process Change	☐ Product specific change	☐ Shipping/Packaging/Marking	
		☐ Other: _____	
Sites Affected:			
☐ All site(s)	☐ not applicable	☒ ON Semiconductor site(s) : ON Carmona, Philippines	☐ External Foundry/Subcon site(s)
Description and Purpose:			
This is an Initial Process Change Notification announcing the copper wire conversion for LV8548MC and LV8549MC:			
LV8548MC-AH Material to be changed	Before Change Description	After Change Description	
Wire	Gold wire	Copper wire	
Mold resin	G600	G700LS	
LV8549MC-AH Material to be changed	Before Change Description	After Change Description	
Wire	Gold wire	Copper wire	
Mold resin	G600	G700LS	
There is no change of the electrical characteristic specifications with this changing.			

**IC PCN FORMAT TEMPLATE****QV DEVICE NAME** : LV8548MC**PACKAGE** : SOIC10

Test	Specification	Condition	Interval
HTOL	EIAJ ED-4701/100	Tj=Tjmax, Vcc=Operatingmax	1000 hrs
THB*	EIAJ ED-4701/100	85°C, 85% RH, Vcc=recommended	1000 hrs
TC*	EIAJ ED-4701/100	Ta= -65°C to +150°C	100 cyc
AC*	EIAJ ED-4701-3	Ta=121°C ,RH=100% ,205kPa	50 hrs
HTSL	EIAJ ED-4701/200	Ta= 150°C	1000 hrs
RSH	EIAJ ED-4701/300	Ta = 255°C , 10 sec (peak 260°C)	2times

Notes:

The test items with * mark are put into operation after the reflow soldering (at 255°C for 10seconds)

Estimated date for qualification completion: 10 August 2017

List of affected Standard Parts:

Part Number	Qualification Vehicle
LV8548MC-AH	LV8548MC
LV8549MC-AH	