ON Semiconductor®

Final Product/Process Change Notification

Document # : FPCN21367X
Issue Date: 18 October 2016

Title of Change:	Copper wire conversion for LV8702V
Proposed first ship date:	18 January 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 or < jun.hasunuma@onsemi.com>
Additional Reliability Data:	Contact your local ON Semiconductor Sales Office or <Satoru.Fujinuma@onsemi.com>
Type of notification:	This is a Final Product/Process Change Notification (FPCN) sent to customers. FPCNs are issued 90 days prior to implementation of the change. ON Semiconductor will consider this change accepted, unless an inquiry is made in writing within 30 days of delivery of this notice. To do so, 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
☐ Manufacturing Process Change
☒ Material Change
☐ Product specific change
☐ Datasheet/Product Doc change
☐ Shipping/Packaging/Marking
☐ Other: ________________________

Sites Affected:

☐ All site(s)
☐ not applicable
☒ ON Semiconductor site(s) :
ON Tarlac City, Philippines
☐ External Foundry/Subcon site(s)

Description and Purpose:

This is the Final Process Change Notification to inform customers of the conversion of the Gold wire connecting chip and Lead to Copper wire for LV8702V. Mold resin will be changed to be suitable for Copper wire.

Material to be changed	Before Change Description	After Change Description
Wire	Gold wire	Copper wire
Mold resin	GE-1030FK-T	CV8210AN

There will be no change on the electrical characteristic specifications of the product.

Reliability Data Summary:

QV DEVICE NAME : LV5236VZ
PACKAGE : SSOP44J(275mil)

Test	Specification	Condition	Interval	Results
HTOL	EIAJ ED-4701/100	Tj=Tjmax, Vcc=Operatingmax	1000 hrs	0/22
THB*	EIAJ ED-4701/100	85°C, 85% RH, Vcc=recommended	1000 hrs	0/22
TC*	EIAJ ED-4701/100	Ta= -65°C to +150°C	100 cyc	0/22
AC*	EIAJ ED-4701-3	Ta=121°C ,RH=100% ,205kPa	50 hrs	0/22
HTSL	EIAJ ED-4701/200	Ta= 150°C	1000 hrs	0/22
RSH	EIAJ ED-4701/300	Ta = 255°C , 10 sec (peak 260°C)	2times	0/22

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

Electrical Characteristic Summary:

There is no change in the electrical performance. Datasheet specifications remain unchanged.

List of affected Standard Parts:

Part Number	Qualification Vehicle
LV8702V-TLM-H	LV5236VZ