ON Semiconductor®

Final Product/Process Change Notification

Document # : FPCN21367XAA
Issue Date: 24 May 2017

Title of Change:	Copper wire conversion for LV8282PV.
Proposed first ship date:	1 September 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 < 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) Select Site _____

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 LV8282PV. There will be no change on the electrical characteristic specifications of the product.

Material to be changed	Before Change Description	After Change Description
Wire	Gold wire 30um	Copper wire 25um

Reliability Data Summary:

QV DEVICE NAME : LV8281VR
PACKAGE : SSOP44K(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
LV8282PV-TLM-H	LV8281VR