



Final Product/Process Change Notification

Document #:FPCN24658X

Issue Date:27 Oct 2022

Title of Change:	Wire conversion from 0.9mil(23um) Au to 0.8mil(20um) PCC for LC78682X series								
Proposed First Ship date:	03 Feb 2023 or earlier if approved by customer								
Contact Information:	Contact your local onsemi Sales Office or Hiroto.Yamada@onsemi.com								
PCN Samples Contact:	Contact your local onsemi Sales Office. Sample requests are to be submitted no later than 30 days from the date of first notification, Initial PCN or Final PCN, for this change. Samples delivery timing will be subject to request date, sample quantity and special customer packing/label requirements.								
Additional Reliability Data:	Contact your local onsemi Sales Office or Hitoshi.Hoshino@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. onsemi 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								
Marking of Parts/ Traceability of Change:	Date Code								
Change Category:	Assembly Change								
Change Sub-Category(s):	Material Change								
Sites Affected:									
onsemi Sites		External Foundry/Subcon Sites							
onsemi Tarlac, Philippines		None							
Description and Purpose:									
onsemi would like to notify its customers that the products listed in this FPCN will be changing from 0.9mil(23um) Au to 0.8mil(20um) PCC. There will be no other changes to the BOM associated with this qualification.									
<table border="1"><thead><tr><th></th><th>From</th><th>To</th></tr></thead><tbody><tr><td>Bond Wire</td><td>0.9mil(23um) Au</td><td>0.8mil(20um) PCC</td></tr></tbody></table>					From	To	Bond Wire	0.9mil(23um) Au	0.8mil(20um) PCC
	From	To							
Bond Wire	0.9mil(23um) Au	0.8mil(20um) PCC							
There is no product marking change as a result of this change.									
Reliability Data Summary:									
QV DEVICE NAME : LC786822E-6E13-3H									
RMS : O81728									
PACKAGE : PQFP100 14x20 / QIP100E 14x20									
Test	Specification	Condition	Interval	Results					
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/231					
PC	J-STD-020 JESD-A113	MSL 3 @ 260 °C, Pre TC, uHAST, HAST		0/all					
TC	JESD22-A104	Ta= -65°C to +150°C	500 cyc	0/231					
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/231					
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/231					



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Electrical Characteristics Summary:

Electrical characteristics are not impacted.

List of Affected Parts:

Note: Only the standard (off the shelf) part numbers are listed in the parts list. Any custom parts affected by this PCN are shown in the customer specific PCN addendum in the PCN email notification, or on the [PCN Customized Portal](#).

Part Number	Qualification Vehicle
LC786821E-6E04-3H	LC786822E-6E13-3H
LC786820E-6E03-3H	LC786822E-6E13-3H