



Title of Change:	Leadframe material change of LC88FC2F0BUTJ-2H.							
Proposed first ship date:	15 August 2018 <i>or earlier upon approval due to shortage of product.</i>							
Contact information:	Contact your local ON Semiconductor Sales Office or <Yuiro.Yohida@onsemi.com>.							
Samples:	Contact your local ON Semiconductor Sales Office							
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:	This changed lots are identified by "Date code" or "Marking lot# on the package top".							
Change category:	<input type="checkbox"/> Wafer Fab Change <input checked="" type="checkbox"/> Assembly Change <input type="checkbox"/> Test Change <input type="checkbox"/> Other _____							
Change Sub-Category(s):	<input type="checkbox"/> Manufacturing Site Change/Addition <input checked="" type="checkbox"/> Material Change <input type="checkbox"/> Datasheet/Product Doc change <input type="checkbox"/> Manufacturing Process Change <input type="checkbox"/> Product specific change <input type="checkbox"/> Shipping/Packaging/Marking <input checked="" type="checkbox"/> Other: <u>Lead Frame</u>							
Sites Affected:	ON Semiconductor Sites: None	External Foundry/Subcon Sites: Amkor Phil 1						
Description and Purpose:								
<p>This Final change notification announces to customer that change of Leadframe material for LC88FC2F0BUTJ-2H. Lead frame shape will not be changed. This change is due to discontinuance of the current lead frame base material.</p> <p>The new lead frame have been used in other products and there is no impact to product.</p>								
<table border="1"> <thead> <tr> <th>Material to be changed</th> <th>Before Change Description</th> <th>After Change Description</th> </tr> </thead> <tbody> <tr> <td>Lead frame (TQFP 100L) Amkor Philippines</td> <td>Lead frame with C18045 material</td> <td>Lead frame with C19400 material</td> </tr> </tbody> </table>			Material to be changed	Before Change Description	After Change Description	Lead frame (TQFP 100L) Amkor Philippines	Lead frame with C18045 material	Lead frame with C19400 material
Material to be changed	Before Change Description	After Change Description						
Lead frame (TQFP 100L) Amkor Philippines	Lead frame with C18045 material	Lead frame with C19400 material						



Reliability Data Summary:

QV DEVICE NAME: LC88FC2F0BUTJ
 PACKAGE TQFP 100

Test	Specification	Condition	Interval	Results
HTOL	JESD22-A108	Ta=125°C, 100 % max rated Vcc	1008 hrs	0/48 x3
HTSL	JESD22-A103	Ta=150°C	1008 hrs	0/48 x3
TC	JESD22-A104	Ta= -65°C to +150°C	700 cyc	0/43 x3
TC (Additional)	JESD22-A104	Ta= -65°C to +150°C	1000 cyc	/ 77 x3 (End of June)
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	-	-
uHAST (Additional)	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	/ 77 x3 (Middle of May)
PC	J-STD-020 JESD-A113	MSL3 @ 260°C		
RSH (Additional)	JESD22- B106	Ta = 265C, 10 sec		/ 10 x3 (End of Apr)
SD	JSTD002	Ta = 245C, 10 sec	-	-

Electrical Characteristic Summary:

Electrical characteristics are not impacted.

List of Affected Part:

Part Number	Qualification Vehicle
LC88FC2F0BUTJ-2H	LC88FC2F0BUTJ-2H



Appendix A: Changed Products

Product	Customer Part Number	Qualification Vehicle
LC88FC2F0BUTJ-2H		LC88FC2F0BUTJ-2H