

Title of Change:	Transfer of ON Semiconductor MOSFET product wafer fabrication from Gifu, Japan to United Microelectronics Corporation Taiwan (UMCT).		
Proposed first ship date:	10 November 2016 or earlier upon customer approval		
Contact information:	Contact your local ON Semiconductor Sales Office or <Katsuyoshi.Mino@onsemi.com>		
Samples:	Contact your local ON Semiconductor Sales Office or <Tomohiro.Uda@onsemi.com>		
Additional Reliability Data:	Contact your local ON Semiconductor Sales Office or <Kazutoshi.Kitazume@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 lot code.		
Change category:	<input checked="" type="checkbox"/> Wafer Fab Change <input type="checkbox"/> Assembly Change <input type="checkbox"/> Test Change <input type="checkbox"/> Other _____		
Change Sub-Category(s):			
<div style="display: flex; justify-content: space-between;"> <div> <input checked="" type="checkbox"/> Manufacturing Site Change/Addition <input type="checkbox"/> Manufacturing Process Change </div> <div> <input type="checkbox"/> Material Change <input type="checkbox"/> Product specific change </div> <div> <input type="checkbox"/> Datasheet/Product Doc change <input type="checkbox"/> Shipping/Packaging/Marking <input type="checkbox"/> Other: _____ </div> </div>			
Sites Affected:			
<div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> All site(s) <input type="checkbox"/> not applicable </div> <div> <input checked="" type="checkbox"/> ON Semiconductor site(s) : ON Gifu, Japan </div> <div> <input checked="" type="checkbox"/> External Foundry/Subcon site(s) United Microelectronics Corporation Taiwan </div> </div>			
Description and Purpose:			
<p>This Final Process Change Notification announces the transfer of wafer fabrication of the listed ON Semiconductor MOSFET products in IPM from ON Semiconductor wafer fabrication facility located in Gifu, Japan to the United Microelectronics Corporation Taiwan (UMCT) wafer fabrication facility located in Taiwan.</p> <p>The MOSFET design and electrical specifications remain identical.</p>			

**Reliability Data Summary:**

QV DEVICE NAME: STK984-091A-E

PACKAGE: SIP2E-2nd

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Ta= 125°C, 80% max rated V	1008 hrs	0/11
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/11
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=25°C, delta Tj=100°C On/off = 2sec/10sec	10000 cyc	0/11
TC	JESD22-A104	Ta= -40°C to +125°C	1000 cyc	0/11
H3TRB	JESD22-A101	85°C, 85% RH, 80% max rated V	1008 hrs	0/11
AC	JESD22-A102	121°C, 100% RH, 15psig, unbiased	96 hrs	0/11

This reliability data is 1lot data, the other 2lots reliability test will be finished on Sep. Then this FPCN will be updated.

Electrical Characteristic Summary:

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

List of Affected Standard Parts:

Part Number	Qualification Vehicle
STK984-091A-E	STK984-091A-E
STK984-091B-E	STK984-091A-E