

Final Product/Process Change Notification Document #:FPCN21394X

Issue Date: 3 August 2016

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></tomohiro.uda@onsemi.com>			
Additional Reliability Data:	Contact your local ON Semiconductor Sales Office or <kazutoshi.kitazume@onsemi.com>.</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>.</pcn.support@onsemi.com>			
Change Part Identification:	Affected products will be identified with lot code.			
Change category:	✓ Wafer Fab Change ☐ Assembly Change ☐ Test Change ☐ Other			
Change Sub-Category(s): ☑ Manufacturing Site Change// ☐ Manufacturing Process Chan	Shipping/Fackaging/Marking			
Sites Affected: All site(s) not ap	plicable ON Semiconductor site(s): External Foundry/Subcon site(s) ON Gifu, Japan United Microelectronics Corporation Taiwan			
Description and Purpose:				
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.				
The MOSEET design and electrical enecifications remain identical				

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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
тс	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

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