

Issue Date: 14 October 2015

Title of Change:	Final PCN for wafer fab transfer from Gifu in Japan to Niigata in Japan (Group HV).
Proposed first ship date:	21 January 2016
Contact information:	Contact your local ON Semiconductor Sales Office or < <u>Yasuhiro.lgarashi@onsemi.com</u> >
Samples:	Contact your local ON Semiconductor Sales Office
Additional Reliability Data:	Contact your local ON Semiconductor Sales Office or < <u>Kazutoshi.Kitazume@onsemi.com</u> >.
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 date code.
Change category:	Wafer Fab Change Assembly Change Test Change Other
Change Sub-Category(s): Manufacturing Site Change, Manufacturing Process Cha	
Sites Affected:	plicable 🛛 ON Semiconductor site(s) : 🗌 External Foundry/Subcon site(s) ON Niigata, Japan ON Gifu, Japan
Description and Purpose: This is a Final Process Change Notification to announce about the transfer of products from ON Semiconductor wafer fabrication sites located in Gifu Japan to the wafer fabrication ON Semiconductor Niigata Co., Ltd.(OSNC). OSNC is located in Niigata, Japan, obtained ISO9001 certification.	

The product design and electrical specifications will remain identical. A full electrical characterization over the temperature range will be performed for each product to check the device functionality and electrical specifications.



2SK3703-1E

2SK3816-DL-1E

Reliability Data Summary: Test **Specification** Condition Interval Results JESD22-A108 0/22 HTRB Ta=150°C, 100% max rated VDSS 1008 hrs HTGB JESD22-A108 Ta=150°C, 100% max rated Vgss 1008 hrs 0/22 HTSL JESD22-A103 Ta=150°C 1008 hrs 0/22 MIL-STD-750 IOL (M1037) delta Tj=100°C 8572 cyc 0/22 AEC-Q101 тс JESD22-A104 Ta= -55°C to +150°C 0/22 200 cyc H³TRB JESD22-A110 85°C, 85% RH, 80% max rated VDSS 1008 hrs 0/22 JESD22-A118 AC 121°C, 100% RH, 2.03×105Pa, unbiased 96 hrs 0/22 PC J-STD-020 JESD-A113 MSL 1 @ 260°C RSH JESD22- B106 Ta = 265C, 10 sec 0/22 JSTD002 0/22 SD Ta = 245C, 10 sec **Electrical Characteristic Summary:** There is no change in the electrical performance. Datasheet specifications remain unchanged. List of affected Standard Parts: Part Number **Qualification Vehicle**

SMP4003-DL-1E

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