

Final Product/Process Change Notification Document #: FPCN16790XHW

Issue Date: 9 November 2015

Title of Change:	Final PCN for wafer fabrication site transfer to ON Semiconductor Niigata Co., Ltd. in Niigata, Japan (Group HW).			
Proposed first ship date:	16 February 2016 or earlier upon customer approval			
Contact information:	Contact your local ON Semiconductor Sales Office or < Yasuhiro.lgarashi@onsemi.com>			
Samples:	Contact your local ON Semiconductor Sales Office			
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 date code.			
Change category:	■ Wafer Fab Change			
Change Sub-Category(s): Manufacturing Site Change/ Manufacturing Process Chan				
Sites Affected: All site(s) not ap	plicable ON Semiconductor site(s): ON, Gifu Japan ON Niigata, Japan			
Description and Purpose: This is a Final Process Change Notification to appound the transfer of products from CN Semiconductor wafer febrication sites located in Cifu				
This is a Final Process Change Notification to announce the transfer of products from ON Semiconductor wafer fabrication sites located in Gifu, Japan to ON Semiconductor wafer fabrication site in Niigata Co., Ltd. (OSNC) Niigata, Japan. OSNC obtained ISO9001 certification.				

The product design and electrical specifications will remain identical. A full electrical characterization over the temperature range will be

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performed for each product to check the device functionality and electrical specifications.



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Reliability Data Summary:

Test	Specification	Condition	Interval	Results
SSOL	ED4701/100	Tj=150°C	1000hrs	0/22
HTRB	JESD22-A108	Ta=150°C, max rated V	1000hrs	0/22
	ED4701/100	ra=150 C, maxrated v		
HTGB	JESD22-A108	Ta=150°C, max rated V	1000hrs	0/22
	ED4701/100	Ta-130 C, Illax Fateu V		
THS	ED4701/100	Ta=85°C, RH=85%	1000hrs	0/22
TC	JESD22-A104	Ta= -55°C to +150°C	100 cyc	0/22
	ED4701/100	1d55 C t0 +130 C		
AC	JESD22 A102	Ta = 121°C, P= 15 PSIG, RH = 100%,	50hrs	0/22
HTSL	JESD22-A103	To-150°C	1000hrs	0/22
	ED4701/200	Ta=150°C		
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		
	ED4701/001			
RSH	JESD22- B106	Ta = 260C, 10 sec		0/22
	ED4701/300			0/22
SD	JSTD002	Ta = 245C, 5 sec		0/22
	ED4701/300			0,22

Electrical Characteristic Summary:

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

List of Affected Standard Parts:

Part Number	Qualification Vehicle	
FW217A-TL-2W	SMP4003-DL-1E	
FW4604-TL-2W	SMP4003-DL-1E/BMS3004-1E	

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