ON Semiconductor

Final Product/Process Change Notification

Document # : FPCN16790XGS
Issue Date: 23 December 2015

Title of Change:	Final PCN for wafer fabrication site addition of ON Semiconductor Niigata Co., Ltd. in Niigata, Japan (Group GS).
Proposed first ship date:	30 March 2016
Contact information:	Contact your local ON Semiconductor Sales Office or < Yasuhiro.Igarashi@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 >.
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 date code.
Change category:	☒ Wafer Fab Change ☐ Assembly Change ☐ Test Change ☐ Other _____

Change Sub-Category(s):

☒ Manufacturing Site Change/Addition
☐ Manufacturing Process Change
☐ Material Change
☐ Product specific change
☐ Datasheet/Product Doc change
☐ Shipping/Packaging/Marking
☐ Other: _____

Sites Affected:

☐ All site(s) ☐ not applicable ☒ ON Semiconductor site(s) : ON Niigata, Japan ☐ External Foundry/Subcon site(s)

Description and Purpose:

This is a Final Process Change Notification to announce the expanding of conventional manufacturers, Advanced Microelectronic Products Inc. (AMPI) to newly wafer fabrication site. The additional fabrication site is ON Semiconductor Niigata Co., Ltd. (OSNC) located in 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 performed for each product to check the device functionality and electrical specifications.

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			
HTGB	JESD22-A108	Ta=150°C, max rated V	1000hrs	0/22
	ED4701/100			
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			
AC	JESD22 A102	Ta = 121°C, P= 15 PSIG, RH = 100%,	50hrs	0/22
HTSL	JESD22-A103	Ta=150°C	1000hrs	0/22
	ED4701/200			
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		
	ED4701/001			
RSH	JESD22- B106	Ta = 260C, 10 sec		0/22
	ED4701/300			
SD	JSTD002	Ta = 245C, 5 sec		0/22
	ED4701/300			

Electrical Characteristic Summary:
There is no change in the electrical performance. Datasheet specifications remain unchanged.

List of Affected Standard Parts:

Part Number	Qualification Vehicle
SCH1435-TL-H	SMP4003-DL-1E
CPH3457-TL-H	SMP4003-DL-1E
CPH3457-TL-W	SMP4003-DL-1E
MCH3474-TL-H	SMP4003-DL-1E
MCH3474-TL-W	SMP4003-DL-1E
CPH3448-TL-H	SMP4003-DL-1E
CPH3448-TL-W	SMP4003-DL-1E
CPH5871-TL-H	SMP4003-DL-1E