



Title of Change:	Wafer fab site transfer of HDG4 technology products from ON Semiconductor Bucheon, Korea to ON Semiconductor South Portland, Maine (Main Fab).							
Proposed first ship date:	23 January 2019							
Contact information:	Contact your local ON Semiconductor Sales Office or < Sungdae.Shin@onsemi.com >.							
Samples:	Contact your local ON Semiconductor Sales Office or < PCN.samples@onsemi.com > Sample requests are to be submitted no later than 30 days from the date of first notification, Initial PCN or Final PCN, for this change.							
Additional Reliability Data:	Contact your local ON Semiconductor Sales Office or < Byeongyeop.Lee@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:	<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):	<input type="checkbox"/> Manufacturing Site Addition <input type="checkbox"/> Material Change <input type="checkbox"/> Datasheet/Product Doc change <input checked="" type="checkbox"/> Manufacturing Site Transfer <input type="checkbox"/> Product specific change <input type="checkbox"/> Shipping/Packaging/Marking <input type="checkbox"/> Manufacturing Process Change <input type="checkbox"/> Other: _____							
Sites Affected:	ON Semiconductor Sites: ON Suzhou, China ON Bucheon, Korea ON S. Portland, Maine	External Foundry/Subcon Sites: None						
Description and Purpose: This Final notification announces to customers the transfer of wafer fab site for HDG4 technology products from ON Semiconductor Bucheon, Korea to ON Semiconductor South Portland, Maine (Main Fab).								
<table border="1"> <thead> <tr> <th></th> <th>Before Change Description</th> <th>After Change Description</th> </tr> </thead> <tbody> <tr> <td>Wafer Fab change</td> <td>ON Semiconductor Bucheon, Korea</td> <td>ON Semiconductor South Portland, Maine (Main Fab)</td> </tr> </tbody> </table>				Before Change Description	After Change Description	Wafer Fab change	ON Semiconductor Bucheon, Korea	ON Semiconductor South Portland, Maine (Main Fab)
	Before Change Description	After Change Description						
Wafer Fab change	ON Semiconductor Bucheon, Korea	ON Semiconductor South Portland, Maine (Main Fab)						
There are no product material changes as a result of this change								

**Reliability Data Summary:**QV DEVICE NAME : FAN7380MXRMS: Q20150205PACKAGE: 8SOIC

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Ta=125°C, HS=500V	1,008 hrs	0/231
HTOL	JESD22-A108	Ta=125°C, Vcc=20V	1,008 hrs	0/231
GL+	AEC-Q100-006	Ta=155°C, +400V		0/9
GL-	AEC-Q100-006	Ta=155°C, -400V		0/9
HTSL	JESD22-A103	Ta=150°C	1,008 hrs	0/231
TC	JESD22-A104	Ta= -65°C to +150°C	500 cyc	0/231
HAST	JESD22-A110	110°C, 85% RH, 18.8psig, Vcc=10V	264 hrs	0/135
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		0/366
CDM	JESD22-C101	2.0kV, Determine LPV		0/9
HBM	JESD22-A114	0.7kV, Determine LPV		0/9
LU	JESD 78	Determine LPI		0/9
BPULL	JESD22-C100			0/15
BSHR	AEC-Q100-001			0/15
DSHR	MIL-STD-883-2019			0/15
Bond Cratering		Post Bond Metal Etch Crater Test		0/15

QV DEVICE NAME : FSSP50CH60SRMS: Q20150205PACKAGE: SPIM

Test	Specification	Condition	Interval	Results
TC	JESD22-A104	Ta= -40°C to +125°C	200 cyc	0/77

Electrical Characteristic Summary:

Electrical characteristics are not impacted.

List of Affected Parts:

Part Number	Qualification Vehicle
FSB50250	FAN7380MX FSSP50CH60S
FSB50250US	
FSB50450	
FSB50450US	
FSB50825US	



Appendix A: Changed Products

Product	Customer Part Number	Qualification Vehicle
FSB50250		FSSP50CH60S/FSB50450S
FSB50250US		FSSP50CH60S/FSB50450S
FSB50450		FSSP50CH60S/FSB50450S
FSB50450US		FSSP50CH60S/FSB50450S
FSB50825US		FSSP50CH60S/FSB50450S