



<b>Title of Change:</b>	60V Trench 8 Technology Capacity Expansion by Qualification of Aizu Fujitsu Semiconductor Manufacturing (AFSM), Japan.			
<b>Proposed first ship date:</b>	31 October 2018			
<b>Contact information:</b>	Contact your local ON Semiconductor Sales Office or <jennie.shen@onsemi.com>			
<b>Samples:</b>	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.			
<b>Additional Reliability Data:</b>	Contact your local ON Semiconductor Sales Office or <Robert.Baran@onsemi.com>			
<b>Type of notification:</b>	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>			
<b>Change Part Identification:</b>	NTMFS5H600NLT1G; NTMFS5H600NLT3G			
<b>Change Category:</b>	<input checked="" type="checkbox"/> Wafer Fab Change <input type="checkbox"/> Assembly Change <input type="checkbox"/> Test Change <input type="checkbox"/> Other _____			
<b>Change Sub-Category(s):</b>	<input checked="" type="checkbox"/> Manufacturing Site Addition <input type="checkbox"/> Material Change <input type="checkbox"/> Datasheet/Product Doc change <input 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: _____			
<b>Sites Affected:</b>	ON Semiconductor Sites:	External Foundry/Subcon Sites: Aizu Fujitsu Semiconductor Manufacturing		
<b>Description and Purpose:</b>				
This is a final change notification to customers on the qualification of additional wafer fabrication capacity of 60V Trench 8 Technology in Aizu Fujitsu Semiconductor Manufacturing (AFSM), Japan to support customer needs. There are no product material changes as a result of this change. There is no product marking change.				
<b>Reliability Data Summary:</b>				
QV Name: NVMFS5H600NLT1G				
<b>Test</b>	<b>Specification</b>	<b>Condition</b>	<b>Interval</b>	<b>Results</b>
HTRB	JESD22-A108	Ta=175°C, 100% max rated V	2016 hrs	0/231
HTGB	JESD22-A108	Ta=175°C, 100% max rated Vgss	2016 hrs	0/231
HTSL	JESD22-A103	Ta= 175°C	2016 hrs	0/231
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, delta Tj=100°C On/off = 2 min	30K cyc	0/231
TC	JESD22-A104	Ta= -65°C to +150°C	2000 cyc	0/231
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	192 hrs	0/231
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	192 hrs	0/231
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		
RSH	JESD22- B106	Ta = 265C, 10 sec		0/90
SD	JSTD002	Ta = 245C, 10 sec		0/ 30



**Electrical Characteristic Summary:**

New fab qual lots meet datasheet requirement.

**List of Affected Parts:**

Part Number	Qualification Vehicle
NTMF55H600NLT1G	NVMF55H600NLT1G
NTMF55H600NLT3G	