

Final Product/Process Change Notification Document #: FPCN21717X Issue Date: 11 May 2017

Title of Change:	Qualification of ON Semiconductor Gresham, OR wafer fab facility as additional manufacturing site for the NCP81216 product.			
Proposed first ship date:	18 August 2017			
Contact information:	Contact your local ON Semiconductor Sales Office or <raymond.odell@onsemi.com></raymond.odell@onsemi.com>			
Samples:	Contact your local ON Semiconductor Sales Office			
Additional Reliability Data:	Contact your local ON Semiconductor Sales Office or <david.short@onsemi.com></david.short@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:	Line 3 of the Date Code will differentiate between AFSM FAB and Gresham FAB. Line 3 = \F/\A/(WLYYWW) F: FAB Location (A: AFSM, G: Gresham) WL: Wafer Lot Number YY: Year of Production, Last Two Numbers WW: Work Week Number A: Assembly Site			
Change category:	■ Wafer Fab Change ■ Assembly Change ■ Test Change ■ Other ■ Other			
Change Sub-Category(s): Manufacturing Site Change/ Manufacturing Process Char	Shipping/rackaging/ivialking			
Sites Affected: All site(s) not ap	oplicable ON Semiconductor site(s): External Foundry/Subcon site(s) ON Gresham, Oregon			
Description and Purpose:				
ON Semiconductor have two FAB locations (ASFM and Gresham) that are qualified to process ONC25HV wafers.				
NCP81216 uses this process from our AFSM Fab. In order to provide maximum flexibility for our customers, ON Semiconductor will enable the NCP81216 product at its Gresham facility to ensure support for our customers.				
No functional or electrical difference between parts from either FAB.				

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Reliability Data Summary:

QV DEVICE NAME: NCP81206MNTXG

PACKAGE: QFN52 6x6 0.4P

Test	Specification	Condition	Interval	Results
HTOL	JESD22-A108	Ta=125°C, 100 % max rated Vcc	504 hrs	0/80
TC	JESD22-A104	Ta= -65°C to +150°C	500 cyc	0/87
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/77
PC	J-STD-020 JESD-A113	MSL 1 @ 260°C		
RSH	JESD22- B106	Ta = 260C, 10 sec		0/30
ESD	Human Body Model (HBM)			Class 1C
ESD	Charge Device Model			Class IV
LU	JESD 78	+/-100mA		Class 1 Level A

Electrical Characteristic Summary:

Electrical characteristics are not impacted

List of affected Standard Parts:

Part Number	Qualification Vehicle	
NCP81216MNTXG	NCP81206MNTXG	
NCP81216AMNTXG	NCP81206MNTXG	

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