



Title of Change:	Adding King Yuan Electronics Corp Taiwan (KYECC) as an additional Final Test Location		
Proposed first ship date:	23 February 2016 or Earlier upon customer approval		
Contact information:	Contact your local ON Semiconductor Sales Office or <Tamara.Olney@onsemi.com>		
Samples:	Samples should be available after completion of qualification. Contact your local ON Semiconductor Sales Office or <Tamara.Olney@onsemi.com>		
Type of notification:	<p>This is an Initial Product/Process Change Notification (IPCN) sent to customers. IPCNs are issued at least 120 days prior to implementation of the change. An IPCN is advance notification about an upcoming change and contains general information regarding the change details and devices affected. It also contains the preliminary reliability qualification plan.</p> <p>The completed qualification and characterization data will be included in the Final Product/Process Change Notification (FPCN). This IPCN notification will be followed by a Final Product/Process Change Notification (FPCN) at least 90 days prior to implementation of the change. In case of questions, contact <PCN.Support@onsemi.com>.</p>		
Change category:	<input type="checkbox"/> Wafer Fab Change <input type="checkbox"/> Assembly Change <input type="checkbox"/> Test Change <input checked="" type="checkbox"/> Other Adding a test location		
Change Sub-Category(s):	<input checked="" type="checkbox"/> Manufacturing Site Change/Addition <input type="checkbox"/> Material Change <input type="checkbox"/> Datasheet/Product Doc change <input type="checkbox"/> Manufacturing Process Change <input type="checkbox"/> Product specific change <input type="checkbox"/> Shipping/Packaging/Marking <input type="checkbox"/> Other: _____		
Sites Affected:	<input type="checkbox"/> All site(s) <input type="checkbox"/> not applicable <input type="checkbox"/> ON Semiconductor site(s) : <input checked="" type="checkbox"/> External Foundry/Subcon site(s) King Yuan Electronics Co., Ltd.		
Description and Purpose:	Adding KYECC (King Yuan Electronics Corp Taiwan) as an additional test site to increase ON Semiconductor test capacity. This change does not affect the product form, fit, or function. KYECC is a qualified test house for ON Semiconductor.		
Qualification Plan:	Estimated date for qualification completion: 25 October 2015 Qualification will be per ON Semiconductor 12MID07-0107. This includes repeatability tests, correlation of parametric measurements, and yield/bin correlation. Full parametric correlation will be performed and for every test the shift will be evaluated as follows		
	$dmean = abs(mean(ref)-mean(qual))$		
	$d\sigma = 0$		if $\sigma(qual) < \sigma(ref)$
	$d\sigma = \sigma(qual) - \sigma(ref)$		if $\sigma(qual) > \sigma(ref)$
	$shift = dmean + 4 * d\sigma$		
	If $shift < max(5\% specwidth, 6*\sigma(ref))$ then correlation is OK for this test,		else correlation is NOK for this test
<i>Any parameter that exceeds the allowable shift is independently analysed and explained</i>			



List of Affected Standard Parts:

Part Number	Qualification Vehicle
NCN5150DG	NCN5150DG
NCN5150DR2G	NCN5150DG
NCN5150MNTWG	NCN5150DG
SCY4001DR2G	SCY4001DR2G
NCS36000DG	NCS36000DG
NCS36000DRG	NCS36000DRG