ON Semiconductor

Final Product/Process Change Notification

Document # : FPCN20949X
Issue Date: 6 July 2015

Title of Change:	Datasheet correction for NCS20074/NCV20074 series, CMRR rating.
Proposed first ship date:	12 October 2015
Contact information:	Contact your local ON Semiconductor Sales Office or <Don.Beeman@onsemi.com>
Samples:	Contact your local ON Semiconductor Sales Office or <Aditja.Jain@onsemi.com>
Additional Reliability Data:	Contact your local ON Semiconductor Sales Office<Ken.Fergus@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:	Changed parts will be noted by device trace codes. There will be no changes to device numbering or labeling.
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) : ☐ External Foundry/Subcon site(s)

Description and Purpose:

The CMRR specification for the NCS20074/NCV20074 has been changed to match the NCS20072/NCV20072 device. The common-mode voltage range has been modified from the original specification. In order to correct the datasheet, the change below has been made on the document.

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Common Mode Rejection Ratio	CMRR	~~NCx20072,~~ V_{CM} = V_{SS} + 0.2 V to V_{DD} − 1.35 V	90	110		dB
			69			
		~~NCx20074, V_{CM} = V_{SS} to V_{DD} − 1.35 V~~	~~90~~	~~110~~		
			~~69~~			

Reliability Data Summary: N/A – reliability is not impacted with this adjustment

Electrical Characteristic Summary: Shown in description

List of affected Standard Parts:

Part Number	Qualification Vehicle
NCS20074DR2G	N/A
NCS20074DTBR2G	N/A