



Title of Change:	NCV97310 and NCV97311 external components required for Low-Iq Mode.		
Effective date:	1 June 2016		
Contact information:	Contact your local ON Semiconductor Sales Office or <bill.fontes@onsemi.com>		
Type of notification:	ON Semiconductor will consider this change accepted.		
Change category:	<input type="checkbox"/> Wafer Fab Change <input type="checkbox"/> Assembly Change <input type="checkbox"/> Test Change <input checked="" type="checkbox"/> Other: <u>Datasheet Change</u>		
Change Sub-Category(s):	<input type="checkbox"/> Manufacturing Site Change/Addition <input type="checkbox"/> Material Change <input checked="" type="checkbox"/> Datasheet/Product Doc change <input type="checkbox"/> Manufacturing Process Change <input checked="" type="checkbox"/> Product specific change <input type="checkbox"/> Shipping/Packaging/Marking <input type="checkbox"/> Other: _____		
Sites Affected:	<input type="checkbox"/> All site(s) <input checked="" type="checkbox"/> not applicable <input type="checkbox"/> ON Semiconductor site(s) : <input type="checkbox"/> External Foundry/Subcon site(s)		
Description and Purpose:	<ol style="list-style-type: none"> 1. When using Low-Iq mode, a pull-down resistor (e.g. 100 kΩ) on VDRV1 is required to meet the Iq Standby specification. <ol style="list-style-type: none"> a. A pull-down resistor between 10 kΩ and 1 MΩ is required from VDRV1 to GND on the PCB to keep the Iq < 35 uA while in Standby (low-Iq) mode. b. In document NCV97310/D (Rev 6), please see page 4 (Fig 3), page 5 (Fig 4), page 7, and page 20 (Low Iq Mode). c. In document NCV97311/D (Rev 4), please see page 4 (Fig 3), page 5 (Fig 4), page 7, and page 20 (Low Iq Mode). 2. When using Low-Iq mode, a pull-up resistor is required on RSTB1 to meet the Iq Standby specification. <ol style="list-style-type: none"> a. Without a pull-up resistor on RSTB1, it's possible to observe an additional 50 uA of Iq while in standby (low-Iq) mode. b. In document NCV97310/D (Rev 6), please see page 4 (Fig 3), page 5 (Fig 4), page 7, page 18 (Reset), and page 20 (Low Iq Mode). c. In document NCV97311/D (Rev 4), please see page 4 (Fig 3), page 5 (Fig 4), page 7, page 18 (Reset), and page 20 (Low Iq Mode). 		
List of affected Standard Parts:	NCV97310MW33R2G NCV97310MW50R2G NCV97311MW33R2G NCV97311MW50R2G		