



Title of Change:	NCL30051 Datasheet Limit Change																										
Effective date:	25 January 2017																										
Contact information:	Contact your local ON Semiconductor Sales Office Marquita Jones or <marquita.jones@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 checked="" type="checkbox"/> Test Change <input type="checkbox"/> Other _____																										
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 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:																											
Based on the results of additional characterization data, ON Semiconductor is reducing the lower limit ICC (FAULT ASSERTED) specification for the affected devices from 1.0 to 0.8 mA. This specification change is not the result of a design or manufacturing process change. The new specification reflects a guard banded limit to the new comprehensive distribution, enabling ON Semiconductor to maintain its high quality standards.																											
NCL30051 Current Datasheet:																											
Table 3. ELECTRICAL CHARACTERISTICS ($V_{HV} = \text{open}$, $V_{PFB} = 2.4 \text{ V}$, $V_{PCS} = 0 \text{ V}$, $V_{PZCD} = 5 \text{ V}$, $V_{PControl} = \text{open}$, $V_{CC} = 15 \text{ V}$, $V_{PDRV} = \text{open}$, $V_{HDRVlo} = \text{open}$, $V_{HVS} = 0 \text{ V}$, $V_{HDRVhi} = \text{open}$, $V_{HBoost} = 15 \text{ V}$, $C_{OSC} = 2200 \text{ pF}$, $C_{VREF} = 0.1 \mu\text{F}$, $C_{PCT} = 1000 \text{ pF}$, for typical values $T_J = 25^\circ\text{C}$, for min/max values, T_J is -40°C to 125°C , unless otherwise noted)																											
<table border="1"> <thead> <tr> <th>Characteristics</th> <th>Conditions</th> <th>Symbol</th> <th>Min</th> <th>Typ</th> <th>Max</th> <th>Unit</th> </tr> </thead> <tbody> <tr> <td colspan="7">STARTUP AND SUPPLY CIRCUITS</td> </tr> <tr> <td>Supply Current Device Disabled/Fault</td> <td>$V_{PFB} = V_{PUVP(low)}$</td> <td>I_{CC1}</td> <td>1.0</td> <td>1.4</td> <td>1.8</td> <td>mA</td> </tr> </tbody> </table>							Characteristics	Conditions	Symbol	Min	Typ	Max	Unit	STARTUP AND SUPPLY CIRCUITS							Supply Current Device Disabled/Fault	$V_{PFB} = V_{PUVP(low)}$	I_{CC1}	1.0	1.4	1.8	mA
Characteristics	Conditions	Symbol	Min	Typ	Max	Unit																					
STARTUP AND SUPPLY CIRCUITS																											
Supply Current Device Disabled/Fault	$V_{PFB} = V_{PUVP(low)}$	I_{CC1}	1.0	1.4	1.8	mA																					
NCL30051 New Datasheet:																											
Table 3. ELECTRICAL CHARACTERISTICS ($V_{HV} = \text{open}$, $V_{PFB} = 2.4 \text{ V}$, $V_{PCS} = 0 \text{ V}$, $V_{PZCD} = 5 \text{ V}$, $V_{PControl} = \text{open}$, $V_{CC} = 15 \text{ V}$, $V_{PDRV} = \text{open}$, $V_{HDRVlo} = \text{open}$, $V_{HVS} = 0 \text{ V}$, $V_{HDRVhi} = \text{open}$, $V_{HBoost} = 15 \text{ V}$, $C_{OSC} = 2200 \text{ pF}$, $C_{VREF} = 0.1 \mu\text{F}$, $C_{PCT} = 1000 \text{ pF}$, for typical values $T_J = 25^\circ\text{C}$, for min/max values, T_J is -40°C to 125°C , unless otherwise noted)																											
<table border="1"> <thead> <tr> <th>Characteristics</th> <th>Conditions</th> <th>Symbol</th> <th>Min</th> <th>Typ</th> <th>Max</th> <th>Unit</th> </tr> </thead> <tbody> <tr> <td colspan="7">STARTUP AND SUPPLY CIRCUITS</td> </tr> <tr> <td>Supply Current Device Disabled/Fault</td> <td>$V_{PFB} = V_{PUVP(low)}$</td> <td>I_{CC1}</td> <td>0.8</td> <td>1.4</td> <td>1.8</td> <td>mA</td> </tr> </tbody> </table>							Characteristics	Conditions	Symbol	Min	Typ	Max	Unit	STARTUP AND SUPPLY CIRCUITS							Supply Current Device Disabled/Fault	$V_{PFB} = V_{PUVP(low)}$	I_{CC1}	0.8	1.4	1.8	mA
Characteristics	Conditions	Symbol	Min	Typ	Max	Unit																					
STARTUP AND SUPPLY CIRCUITS																											
Supply Current Device Disabled/Fault	$V_{PFB} = V_{PUVP(low)}$	I_{CC1}	0.8	1.4	1.8	mA																					
List of affected Standard Parts:																											
NCL30051DR2G																											