



<b>Title of Change:</b>	NCV7428 Datasheet Update – Revision 3
<b>Effective date:</b>	27 August 2015
<b>Contact information:</b>	Contact your local ON Semiconductor Sales Office or Roman Buzas <roman.buzas@onsemi.com>
<b>Type of notification:</b>	ON Semiconductor will consider this change accepted.
<b>Change category:</b>	<input type="checkbox"/> Wafer Fab Change <input type="checkbox"/> Assembly Change <input type="checkbox"/> Test Change <input checked="" type="checkbox"/> Other _____

<b>Change Sub-Category(s):</b> <input type="checkbox"/> Manufacturing Site Change/Addition <input type="checkbox"/> Material Change <input type="checkbox"/> Manufacturing Process Change <input type="checkbox"/> Product specific change	<input checked="" type="checkbox"/> Datasheet/Product Doc change <input type="checkbox"/> Shipping/Packaging/Marking <input type="checkbox"/> Other: _____
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<b>Sites Affected:</b> <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)
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**Description and Purpose:**

Electrical DC Characteristics updated:

- Specification for VOUT regulator output voltage during exposure to RF electro-magnetic disturbances with no bus capacitance added.

**Table 6. DC CHARACTERISTICS**

Symbol	Parameter	Conditions	Min	Typ	Max	Unit
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**V<sub>OUT</sub> REGULATOR**

Symbol	Parameter	Conditions	Min	Typ	Max	Unit
V <sub>OUT_5_EMC</sub>	VOUT regulator output voltage under EMC (Note 6)	DPI EMC test applied to LIN pin. No bus capacitor. SOIC8 package; (Note 5)	4.85	5	5.15	V
V <sub>OUT_33_EMC</sub>	VOUT regulator output voltage under EMC (Note 6)	DPI EMC test applied to LIN pin. No bus capacitor. SOIC8 package; (Note 5)	3.201	3.3	3.399	V

- In case LIN bus capacitor of at least 82 pF is not used VOUT\_5\_EMC and VOUT\_33\_EMC needs to be taken into account.
- Tested according to: LIN Conformance Test Specification Package for LIN 2.1, October 10th, 2008. Verified by external test house.
- Values based on design and characterization. Not tested in production.

**List of Affected Standard Parts:**

- NCV7428D15R2G
- NCV7428D13R2G
- NCV7428D1L5R2G
- NCV7428D1L3R2G
- NCV7428MW5R2G
- NCV7428MW3R2G
- NCV7428MWL5R2G
- NCV7428MWL3R2G