



Title of Change:	NCV7428 Datasheet Update – Revision 3
Effective date:	27 August 2015
Contact information:	Contact your local ON Semiconductor Sales Office or Roman Buzas <roman.buzas@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 _____

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)
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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_{OUT} REGULATOR

Symbol	Parameter	Conditions	Min	Typ	Max	Unit
V _{OUT_5_EMC}	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 _{OUT_33_EMC}	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