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**PRODUCT BULLETIN # 20302**

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**Issue Date:** 26-Nov-2013

**TITLE:** LV5683P Datasheet Update

**PROPOSED FIRST SHIP DATE:** 26-Feb-2014

**AFFECTED CHANGE CATEGORY(S):** Datasheet, Final Test

**FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:**

Contact your local ON Semiconductor sales office or Hirotada Honma  
<[Hirotada.Honma@onsemi.com](mailto:Hirotada.Honma@onsemi.com)>

**NOTIFICATION TYPE:**

ON Semiconductor considers this change approved unless specific conditions of acceptance are provided in writing. To do so, contact <[quality@onsemi.com](mailto:quality@onsemi.com)>.

**DESCRIPTION AND PURPOSE:**

Change the "AUDIO" output character, maximum output current value & some spec conditions.

- **PURPOSE**
  - Specification update: AUDIO maximum output current from 0.3A to 0.4A.
  
- **Electrical Characteristics change:**
  - Conditions of AUDIO output voltage ( $V_{O3}$ ) is changed to " $I_{O3}=300mA$ ". (originally 200mA)
  - Minimum value of AUDIO output current ( $I_{O3}$ ) is changed to "400mA". (originally 300mA)
  - Conditions of Line regulation ( $\Delta V_{OLN3}$ ) is changed to " $I_{O3}=300mA$ ". (originally 200mA)
  - Conditions of Line regulation ( $\Delta V_{OLD3}$ ) is changed to " $I_{O3}=300mA$ ". (originally 200mA)
  - Conditions of Dropout voltage ( $V_{DRO3}$ ) is changed to " $I_{O3}=300mA$ ". (originally 200mA)
  - Typical value Dropout voltage ( $V_{DRO3}$ ) is changed to "0.6V". (originally 0.4V)
  - Maximum value Dropout voltage ( $V_{DRO3}$ ) is changed to "1.05V". (originally 0.7V)
  - Conditions of  $V_{CC}$  ripple rejection ( $R_{REJ3}$ ) is changed to " $I_{O3}=300mA$ ". (originally 200mA)

**List of affected General Parts:**

LV5683P-E