



## Customer Information Notification

201804019I

**Issue Date:** 01-May-2018  
**Effective Date:** 10-May-2018

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# QUALITY

### Management Summary

NXP Semiconductors announces a data sheet update for the A1006 to revision 2.

#### Change Category

- |  |   |  |   |  |
|--|---|--|---|--|
| <input type="checkbox"/> Wafer Fab Process   | <input type="checkbox"/> Assembly Process   | <input type="checkbox"/> Product Marking           | <input type="checkbox"/> Test Location  | <input type="checkbox"/> Design                                    |
| <input type="checkbox"/> Wafer Fab Materials | <input type="checkbox"/> Assembly Materials | <input type="checkbox"/> Mechanical Specification  | <input type="checkbox"/> Test Process   | <input type="checkbox"/> Errata                                    |
| <input type="checkbox"/> Wafer Fab Location  | <input type="checkbox"/> Assembly Location  | <input type="checkbox"/> Packing/Shipping/Labeling | <input type="checkbox"/> Test Equipment | <input checked="" type="checkbox"/> Electrical spec./Test coverage |
| <input type="checkbox"/> Firmware            | <input type="checkbox"/> Other              |  |   |  |

[A1006 Datasheet Update](#)

### Description

NXP Semiconductors announces a data sheet update for the A1006 to revision 2. The revision history included in the updated document provides a detailed description of the changes. Changes are summarized below.

#### Data Sheet Changes:

- Updated OWI data rate from 100 kbps to 125 kbps
- Updated Figure 6 "OWI bit coding", Figure 7 "Timing of OWI bit coding", Figure 27 "Application diagram for OWI", Figure 28 "Application diagram for using I2C-bus interface"
- Table 7 "Timing constraints for OWI": removed voltage parameters for OWI from and created new Table 17 "Static characteristics of OWI"; updated table notes
- Deleted Section 9.8 "Memory map overview"
- Updated Table 10 "Command set", Table 11 "Memory access rights with ReadMemory and WriteMemory command", Table 14 "Static characteristics"
- Section 9.10 "Deep-sleep mode" updated
- Section 9.12.1 "Execute ECCAuthenticate" updated
- Figure 27 "Application diagram for OWI" updated
- Correct miscellaneous text throughout

#### Reason

The data sheet has been updated to correct errors and / or provide additional technical clarification on some device features.

### Anticipated Impact on Form, Fit, Function, Reliability or Quality

No impact on form, fit, function, reliability or quality.

- Customer application should take into account the identified data sheet change(s).

### Data Sheet Revision

A new datasheet will be issued

### Contact and Support

For all inquiries regarding the ePCN tool application or access issues, please contact NXP "Global Quality Support Team".

For all Quality Notification content inquiries, please contact your local NXP Sales Support team.

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### Affected Part Numbers

A1006TL/TA1NXZ

A1006UK/TA1NXZ