



A-BCD3 product update for PL IVN product TJA1051 in
diffusion fab ICN8

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1. Proposed changes

The proposed changes for A-BCD3 products TJA1051T, TJA1051T/3 and TJF1051T/3 are:

- Upgrade of the A-BCD3 diffusion process with High-Density-Plasma (HDP) oxide based passivation, improving robustness against passivation cracks. This is already in use for years for other automotive products in the A-BCD3 diffusion process. This change is only applicable to TJA1051T. The TJA1051T/3, TJF1051T/3 and the HVSON package TJA1051TK/3 already benefit from this upgrade.
- 20µm AuPd i.s.o. 25µm Au bondwire, already in use for the HVSON package TJA1051TK/3.
- 280µm die thickness i.s.o. 380µm, already in use for the HVSON package TJA1051TK/3.
- Change of the top-side marking format

These changes bring the product in line with what is already in use for the majority of our products, and help to standardize our industrial processes.

The marking format change is in addition to what was announced in the A-PCN 201206027A. It is implemented to enable future improvements on product traceability.

2. Timing samples and volume production

Samples of the new TJA1051 are available by October 29th 2012, and production volumes will be available by February 2013.

3. Qualification Results

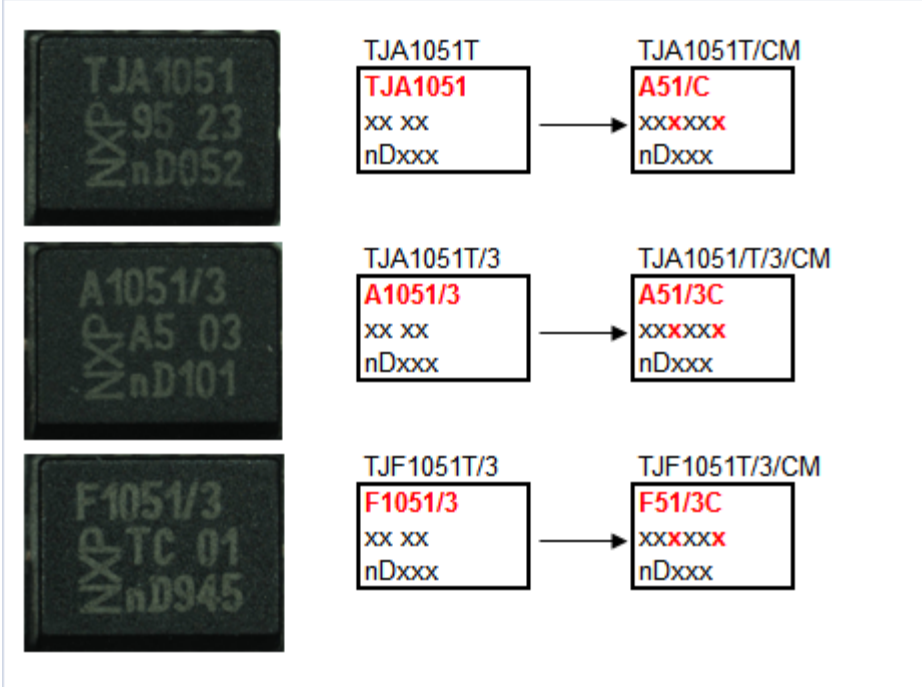
Attached to this PCN you will find the results for the qualification of the TJA1051 product changes ('Release Report TJA1042_TJA1051_CM_PPAP_V 1.pdf').

4. Product Marking

For the marking of the new device please refer to Table 1 on page 3.

Table 1: Product Marking

Marking of the TJA1051 product will be changed as follows:



n = assembly site APB, Thailand. The assembly site will not change.

In addition to the change in line B marking (6 characters i.s.o. 5 as explained above), there will be additional dashes between line B and C. The amount and position of these dashes can vary, see the 4 pictures below for examples. These are generic examples, all lines will follow above mentioned format.

