



Integrated Device Technology, Inc.  
6024 Silver Creek Valley Road, San Jose, CA 95138

### PRODUCT/PROCESS CHANGE NOTICE (PCN)

PCN #: **TP1901-01** Date: February 8, 2019

**Product Affected:**

Refer to page 3 for the list of datasheets and attached file for the affected part numbers

**Effective Date:** N/A

**MEANS OF DISTINGUISHING CHANGED DEVICES:**

- Product Mark
- Back Mark
- Date Code Not Applicable
- Other

Contact: Ian Dobson or your local IDT Sales Support

Title:

E-mail: [ian.dobson@idt.com](mailto:ian.dobson@idt.com)

Attachment:  Yes  No

Samples: NA

**DESCRIPTION AND PURPOSE OF CHANGE:**

- Die Technology
- Wafer Fabrication Process
- Assembly Process
- Equipment
- Material
- Testing
- Manufacturing Site
- Data Sheet
- Other - Die Revision Change

Corrected the I<sup>2</sup>C read sequence diagrams to match I<sup>2</sup>C specification and actual device performance.

Included on page 2 is an example of the change on the datasheet.

**RELIABILITY/QUALIFICATION SUMMARY:**

Not Applicable. This is a notice of Datasheet correction only.

Device performance is unchanged and correct, but was not properly shown in datasheet.

**CUSTOMER ACKNOWLEDGMENT OF RECEIPT:**

IDT records indicate that you require written notification of this change.

If IDT does not receive acknowledgement within 30 days of this notice it will be assumed that this change is acceptable.



**PRODUCT/PROCESS CHANGE NOTICE (PCN)**

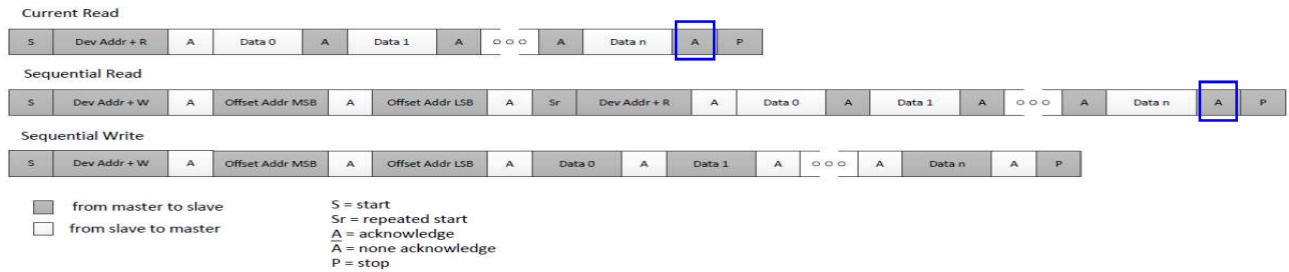
**PCN# TP1901-01**

**PCN Type:** Datasheet Correction

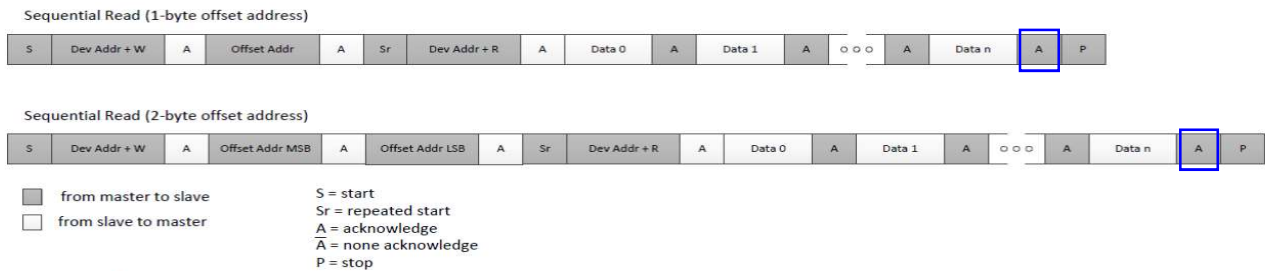
**Data Sheet Change:** Yes

**Detail of Change:** Corrected the I<sup>2</sup>C read sequence diagrams to match I<sup>2</sup>C specification and actual device performance. Below is an example of the change. The figure # reference may vary per datasheet.

**From:**

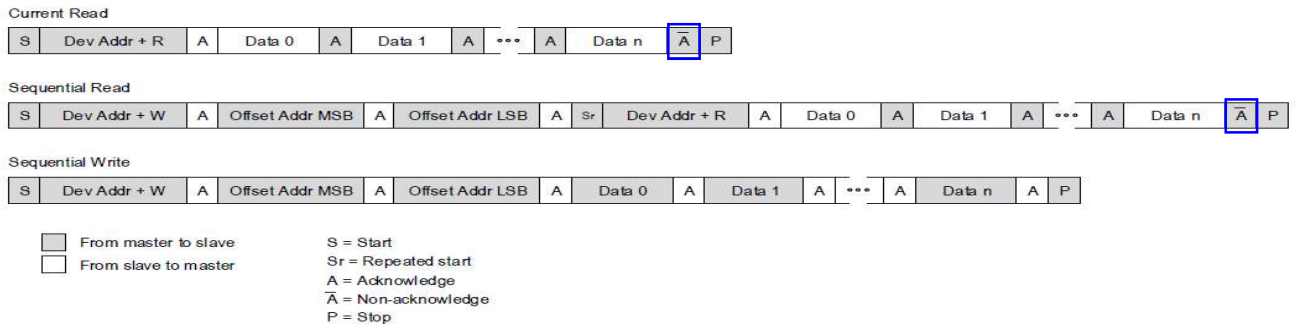


**Figure 3. I<sup>2</sup>C Slave Read and Write Cycle Sequencing**

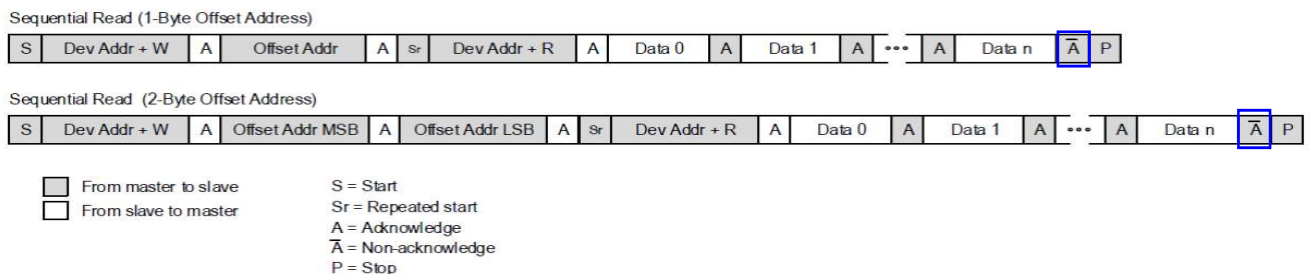


**Figure 4. I<sup>2</sup>C Master Read Cycle Sequencing**

**To:**



**Figure 3. I<sup>2</sup>C Slave Read and Write Cycle Sequencing**



**Figure 4. I<sup>2</sup>C Master Read Cycle Sequencing**



**PRODUCT/PROCESS CHANGE NOTICE (PCN)**

**PCN# TP1901-01**

**Affected Datasheets**

|              |          |          |
|--------------|----------|----------|
| 8T49N1012    | 8T49N234 | 8T49N282 |
| 8T49N1083    | 8T49N240 | 8T49N283 |
| 8T49N2083    | 8T49N241 | 8T49N285 |
| 8T49N2083-01 | 8T49N242 | 8T49N286 |
| 8T49N2183    | 8T49N243 | 8T49N287 |
| 8T49N2183-01 | 8T49N281 |          |

**Affected Part#<sup>1</sup>**

|                    |
|--------------------|
| 8T49N1012-dddNLGI  |
| 8T49N1012-dddNLGI8 |
| 8T49N1083ANLGI     |
| 8T49N1083ANLGI8    |
| 8T49N1083NLGI      |
| 8T49N1083NLGI#     |
| 8T49N1083NLGI8     |
| 8T49N2083-01NLGI   |
| 8T49N2083-01NLGI#  |
| 8T49N2083-01NLGI8  |
| 8T49N2083ANLGI     |
| 8T49N2083ANLGI#    |
| 8T49N2083ANLGI8    |
| 8T49N2083NLGI      |
| 8T49N2083NLGI#     |
| 8T49N2083NLGI8     |
| 8T49N2183-01NLGI   |
| 8T49N2183-01NLGI#  |
| 8T49N2183-01NLGI8  |
| 8T49N2183NLGI      |
| 8T49N2183NLGI#     |
| 8T49N2183NLGI8     |
| 8T49N234NLGI       |
| 8T49N234NLGI8      |

|                    |
|--------------------|
| 8T49N240-dddNLGI   |
| 8T49N240-dddNLGI#  |
| 8T49N240-dddNLGI8  |
| 8T49N241-dddNLGI   |
| 8T49N241-dddNLGI#  |
| 8T49N241-dddNLGI8  |
| 8T49N242-dddNLGI   |
| 8T49N242-dddNLGI#  |
| 8T49N242-dddNLGI8  |
| 8T49N243NLGI       |
| 8T49N243NLGI8      |
| 8T49N281A-dddNLGI  |
| 8T49N281A-dddNLGI8 |
| 8T49N281B-dddNLGI  |
| 8T49N281B-dddNLGI8 |
| 8T49N281C-dddNLGI  |
| 8T49N281C-dddNLGI8 |
| 8T49N282A-dddNLGI  |
| 8T49N282B-dddNLGI  |
| 8T49N282B-dddNLGI8 |
| 8T49N282C-dddNLGI  |
| 8T49N282C-dddNLGI8 |
| 8T49N283A-dddNLGI  |
| 8T49N283B-dddNLGI  |

|                    |
|--------------------|
| 8T49N283B-dddNLGI# |
| 8T49N283B-dddNLGI8 |
| 8T49N283C-dddNLGI  |
| 8T49N283C-dddNLGI# |
| 8T49N283C-dddNLGI8 |
| 8T49N285NLGI       |
| 8T49N285NLGI8      |
| 8T49N285A-dddNLGI  |
| 8T49N285A-dddNLGI8 |
| 8T49N285-dddNLGI   |
| 8T49N285-dddNLGI8  |
| 8T49N286A-dddNLGI  |
| 8T49N286A-dddNLGI# |
| 8T49N286A-dddNLGI8 |
| 8T49N286-dddNLGI   |
| 8T49N286-dddNLGI#  |
| 8T49N286-dddNLGI8  |
| 8T49N287A-dddNLGI  |
| 8T49N287A-dddNLGI# |
| 8T49N287A-dddNLGI8 |
| 8T49N287-dddNLGI   |
| 8T49N287-dddNLGI#  |
| 8T49N287-dddNLGI8  |

Note 1: ddd = programmable part # option