

Title: Constraints read access of last word in a memory page of the AS8202NF

Subject: Hardware Bug

Related Revisions: Applicable to any data sheet version until the datasheet states one of the given solutions as mandatory.

Description: Due to a bug in Read Ahead state machine, subsequent host read access to "second last word in page" and "last word in page" can result in data bus instability by the 'last word in page' read access.

Conclusion, Work-around:

- 1) The last word of each page has to be spared from the schedule (MEDL) so that the host never reads data from these CNI addresses OR
- 2) Write access to any RAM location or to page 'Nirvana' (no impact) after the host read access to 'second last word in page' OR
- 3) In the application to program the host to introduce break between 'second last word in page' and 'last word in page' read accesses longer than $32 * T_c$ ($32 * 25 \text{ ns} = 800 \text{ ns}$).