Dear Valued TRINAMIC Customer,

This notification is to inform you that a change will be done to the product listed below:

- TMC5160-TA
- TMC5160-TA-T
- TMC5160-TA-X
- TMC2160-TA
- TMC2160-TA-T
- TMC2160-TA-X
- TMC5160-WA
- TMC5160-WA-T
- TMC5160-WA-X

For samples and further questions, please contact your sales partner.

**Hardware changes**

Due to product maintenance we qualified a new iteration of the TMC5160. Improvements:

- Improvement of external clock detection. Safe external clock detection at maximal duty cycles.
- Improvement of initial StealthChop™ tuning. StealthChop™ register values will be valid with initial start & stop sequence.

The new iteration will be marked with suffix “A”.

**Compatibility**

The new revision TMCx160A is fully compatible. Notes on hardware compatibility:

- No change in mechanical dimensions.
- No change in electrical behavior of digital and analog core die.
- Functional improvement of clock detection and initial StealthChop™ tuning.
- Assembly, production and test facility stays unchanged.
- Digital and analog frontend of silicon stays unchanged.
- Drop-in compatible.

This improvement is classified as a minor change.
Products Affected

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Schedule

Samples of TMCx160A are available on request. Please contact your local sales partner.

Trinamic will include changes in new production lots.

Effective date for hardware release | Q1/2020

Please note that Trinamic will automatically send new revision TMCx160A with end of TMCx160 stock.

This PCN notice should be acknowledged within 30 days. Lack of acknowledgement of PCN within 30 days constitutes acceptance of change.