

TRINAMIC Motion Control GmbH & Co. KG
Waterloohain 5, 22769 Hamburg, Germany

www.trinamic.com

PCN-2020-07-01-TMC2660

July 1st, 2020

Dear Valued TRINAMIC Customer,

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

- **TMC2660-LA**
- **TMC2660-LA-T**

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

Changes

Due to product maintenance and to assure longevity of the TMC2660 we moved the TMC2660 driver ICs to a new process technology.

- Revision field of IC label changes to "C". (TMC2660 to TMC2660C)
- Enhanced robustness according to power-up/-down in mixed-voltage systems
- CMOS input levels are increased with 5V VCC_IO level to increase noise rejection
- Increased VCC_IO supply current, 100nF Capacitor on VCC_IO near IC is mandatory
- internal P-MOS drive level increased for reducing of power dissipation of driver FETs
- Reduced power dissipation of internal circuitry

Compatibility

The new revision TMC2660C of TMC2660 is fully compatible. Notes on hardware compatibility:

- Package type and pinout are untouched
- No change in package mechanical dimensions
- No change in control software required
- Absolute maximum ratings unchanged
- Assembly and test facility stay unchanged
- drop-in compatible

Qualification of application with TMC2660C is recommended for series production.

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Products Affected

Article Name	Affected Article Numbers	NEW Name	NEW Article Numbers
TMC2660-PA	00-0114	TMC2660C-PA	00-0185
TMC2660-PA-T	00-0114T	TMC2660C-PA-T	00-0185T

Schedule

Samples of TMC2660C are available. Please contact your local sales partner.

Trinamic will include changes in new production lots.

Qualified samples estimated	October 1 st , 2020
Effective date for hardware release	January 1 st , 2021

Please note that Trinamic will automatically send new revision TMC2660C with end of TMC2660 stock.

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