

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

www.trinamic.com

PCN-2020-07-01-TMC261

July 1st, 2020

Dear Valued TRINAMIC Customer,

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

- **TMC261A-PA**
- **TMC261A-PA-T**

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

Changes

Due to product maintenance and to assure longevity of the TMC261 we moved the TMC261 driver ICs to a new process technology.

- Revision field of IC label changes to "C". (TMC261 to TMC261C)
- 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 TMC261C of the TMC261 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 TMC261C is recommended for series production.

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Products Affected

Article Name	Affected Article Numbers	NEW Name	NEW Article Numbers
TMC261A-PA	00-0171	TMC261C-PA	00-0184
TMC261A-PA-T	00-0171T	TMC261C-PA-T	00-0184T

Schedule

Samples of TMC261C 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 TMC261C with end of TMC261 stock.

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