

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

[www.trinamic.com](http://www.trinamic.com)

**PCN-2020-07-01-TMC262C**

**July 1st, 2020**

Dear Valued TRINAMIC Customer,

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

- **TMC262-LA**
- **TMC262-LA-T**

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

### Changes

Due to product maintenance and to assure longevity of the TMC262 we moved the TMC262 gate driver ICs to a new process technology.

- Revision field of IC label changes to “C”. (TMC262 to TMC262C)
- 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
- P-MOS drive level increased to 10V reducing power dissipation of driver FETs
- Reduced power dissipation of internal circuitry

### Compatibility

The new revision TMC262C of the TMC262 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 TMC262C is recommended for series production.

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Article Name	Affected Article Numbers	NEW Name	NEW Article Numbers
TMC262-LA	00-0075	TMC262C-LA	00-0167
TMC262-LA-T	00-0075T	TMC262C-LA-T	00-0167T

**Schedule**

Qualified samples of TMC262C are available. Please contact your local sales partner.

Trinamic will include changes in new production lots.

Effective date for hardware release	October 1 <sup>st</sup> , 2020
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Please note that Trinamic will automatically send new revision TMC262C with end of TMC262 stock.

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