

Company	Trenz Electronic GmbH
PCN Number	PCN-20230216
Title	TEC0117-01 Components Change
Subject	Components Change
Issue Date	2023-02-22

1 Products Affected

This change affects all Trenz Electronic TEC0117 SoMs: TEC0117-01*.

Affected Product	Replacement
TEC0117-01	TEC0117-01-A

2 Changes

2.1 #1 Changed SPI Flash (U2) from W74M64FVSSIQ to W25Q64JVSSIQ.

Type: BOM change

Reason: EOL of Component.

Impact: Secure authentication is not more available but frequency range is increased.

2.2 #2 Changed MEMS oscillator (U7) from DSC6011ME2A-012.0000T to SiT8008AI-73-XXS-12.000000E.

Type: BOM change

Reason: EOL of component.

Impact: Temperature range increased from Extended Commercial (-20 °C to 70 °C) to Industrial (-40 °C to 85 °C), power consumption increased, improved jitter performance and frequency stability decreased from ±25 ppm to ±50 ppm.

3 Method of Identification

Changes above are applied to boards with serial number greater than 628583.

4 Production Shipment Schedule

From September 2023, after old stock is gone. If the new revision is not suitable for your application and still the former revision of the board is needed, please contact us.

5 Contact Information

If you have any questions related to this PCN, please contact Trenz Electronics Technical Support at

- forum.trenz-electronic.de¹
- wiki.trenz-electronic.de²
- support@trenz-electronic.de³ (subject = PCN-20230216)
- phone
 - national calls: 05741 3200-0
 - international calls: 0049 5741 3200-0

6 Disclaimer

Any projected dates in this PCN are based on the most current product information at the time this PCN is being issued, but they may change due to unforeseen circumstances. For the latest schedule and any other information, please contact your local Trenz Electronic sales office, technical support or local distributor.

This PCN follows JEDEC Standard J-STD-046.

¹ <http://forum.trenz-electronic.de/>

² <http://wiki.trenz-electronic.de/>

³ <mailto:support@trenz-electronic.de?subject=PCN-20230216>