

December 15th, 2025 - Revision R001

PRODUCT CHANGE NOTIFICATION

PCN008/2025 – DISPLAY TI5

1. PCN OVERVIEW

PRODUCT AFFECTED	Ti5-A02-N000-NA0 Ti5-B02-N000-NA0 Ti5-C03-N000-NA0 Ti5-C04-N000-NA0 Ti5-C05-N000-NA0 Ti5-N00-N000-NA0 011A04557 011A02852 011A06201 011A06158 011A05798 011A08359		
NEW PART NUMBER (if applicable)	Ti5-C03-N000-NB0 Ti5-N00-N000-NB0 Ti5-C04-N000-NA0 Ti5-C04-N000-NA0 Ti5-C05-N000-NA0 Ti5-C04-N000-NA0 011A08375 011A07737 011A07741 011A08731		
TYPE OF CHANGE	<input type="checkbox"/> MAJOR	<input checked="" type="checkbox"/> MINOR	<input type="checkbox"/> OBSOLESCENCE
CHANGE AFFECTS	<input type="checkbox"/> FORM	<input type="checkbox"/> FIT	<input type="checkbox"/> FUNCTION
	<input type="checkbox"/> RELIABILITY	<input checked="" type="checkbox"/> OTHER	

2. DETAILED CHANGE INFORMATION

This Product Change Notification (PCN) announces the transition from the current **Ti5 Displays** to the updated **Ti5+ Displays**. The Ti5+ incorporates hardware upgrades intended to improve processing capability, system responsiveness, and positioning performance. The key changes are detailed below:

Processor Upgrade: The Ti5+ Display is equipped with the new **NXP i.MX8M processor**, replacing the processor used in the previous Ti5 version.

- This update provides higher computing performance, improved graphics handling, and enhanced system efficiency.
- No functional reduction is expected; the new platform is fully compatible with existing software interfaces, although performance improvements may be observed.

Integrated GNSS Module OEM7500: The Ti5+ now includes the **embedded GNSS module OEM7500**, replacing the previous GNSS architecture.

CAN Bus Termination Change and New Cable Requirements: Unlike the Ti5, in which the 120-ohm CAN terminator was integrated internally, the Ti5+ design relocates the CAN termination to the cable assembly.

- The Ti5+ requires a new cable version that includes the external CAN termination.
- Existing Ti5 cables are not compatible with Ti5+ units and cannot be used interchangeably.
- Electrical interfaces, protocols, and connector types remain unchanged; only the termination architecture is modified.

Mechanical and Form-Fit Information: There are no changes to the mechanical envelope, mounting pattern, or connector locations.

- The Ti5+ maintains full form-fit compatibility with the Ti5.
- Installation procedures remain similar, aside from the updated cable requirement.

Electrical and Interface Compatibility: Aside from the CAN termination change described above, all other electrical characteristics, I/O interfaces, and power requirements remain the same.

- No additional system-level changes are expected for compatibility.

Firmware and Software Notes: Firmware has been updated to support:

- the new i.MX8M processor platform, and
- the integrated OEM7500 GNSS module.

No impact on user workflows is anticipated; however, customers using custom integrations are advised to validate system behavior due to the updated hardware architecture.

Part Number Information (Updated): The introduction of the Ti5+ will be reflected in the product part number.

- The penultimate character of the part number will change from “A” (Ti5) to “B” (Ti5+).
- Example:
 - Ti5 → Ti5-N00-N000-NA0
 - Ti5+ → Ti5-N00-N000-NB0

Only this character within the part-number structure is modified for identification of the new hardware configuration.

Old part number	New part numbers	Description
Ti5-A02-N000-NA0	There is no replacement part	Ti5 MAX-M8Q L1 10Hz
Ti5-B02-N000-NA0	There is no replacement part	Ti5 OEM-Star L1 10Hz
011A04557	There is no replacement part	Display Ti5 MAX-M8Q L1 10Hz
011A02852	There is no replacement part	Display Ti5 OEM-Star L1 10Hz
Ti5-C03-N000-NA0	Ti5-C03-N000-NB0	Ti5+ OEM7500 S L1 20Hz
Ti5-C04-N000-NA0	Ti5-C04-N000-NB0	Ti5+ AT7500S L1+L2 20Hz
Ti5-C05-N000-NA0	Ti5-C05-N000-NB0	Ti5+ AT7500S L1+L2 20Hz Terrastar
Ti5-N00-N000-NA0	Ti5-N00-N000-NB0	Ti5+ sGPS
011A06201	011A08375	Display Ti5+ OEM7500 S L1 20Hz
011A06158	011A07737	Display Ti5+ AT7500S L1+L2 20Hz
011A05798	011A07741	Display Ti5+ AT7500S L1+L2 20Hz Terrastar
011A08359	011A08731	Display Ti5+ sGPS

3. IDENTIFICATION OF AFFECTED PRODUCT

All configurations of the Ti5 Display with part numbers in the format:

- Ti5-XXX-XXXX-XA0 will be replaced by the updated Ti5+ Displays with part numbers in the format:
- Ti5-XXX-XXXX-XB0

4. REASON FOR CHANGE

The transition to Ti5+ is driven by component lifecycle optimization, performance enhancement, and GNSS capability improvement.

Key motivations include:

- Adoption of a more powerful and modern application processor
- Integration of the OEM7500 GNSS module to increase positioning accuracy and expand constellation support
- Standardization of CAN termination behavior across the display product family

5. IMPACTS OF THE CHANGE

The change in part number may add items included in the basic Bill of Materials (BOM) for the new item, which are mandatory and cannot be excluded. However, this update does not affect any functional components, nor does it alter the overall functionality or performance of the product.

6. PROPOSED FIST SHIP DATE: 15 December 2025

The Proposed First Ship Date is the forecasted date that a customer may expect to receive the changed products.



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7. MORE INFORMATION

For more information, please contact your Hexagon sales/technical support person.