

Product Change Notification (PCN): 23111100 - Verdin Industrial Heatsink Type 1 - V1.1A

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✖ **Known Hardware Issue — Verdin Industrial Heatsink Type 1 V1.1A (23111100)**

A confirmed hardware issue ([Errata HAR-13572](#)) affects the V1.1A heatsink. The Thermal Interface Material (TIM) has excessive hardness, which can cause PCB bending on the SoM when the heatsink is mounted. This may lead to solder joint fatigue, intermittent connections, or premature field failures — especially under thermal cycling or mechanical stress.

Action required: Customers using V1.1A (23111100) must transition to V1.1B (23111101) immediately. Supply of V1.1A has been discontinued. V1.0B (23111001) remains available as a bridge option for compatible SoMs during this transition.

1. Affected Products

End of Life Product		Replacement Product	
Part Number	Product Name	Part Number	Product Name
23111100	Verdin Industrial Heatsink Type 1 V1.1A KNOWN ISSUE	23111101	Verdin Industrial Heatsink Type 1 V1.1B

2. Product Phase-in / Phase-out Schedule

End of Life Product		Replacement Product	
Part Number	Estimated Schedule	Part Number	Estimated Schedule
23111100 ✗ DO NOT ORDER	No LTB/LTS ¹	23111101	Sample Availability: Now Volume: Sept 2026

¹ Due to the confirmed issue in V1.1A ([Errata HAR-13572](#)), Toradex has stopped supply immediately to protect customers from reliability risks. No last-time buy or last-time ship windows are offered for this version.

Alternative heatsinks: V1.0B (23111001) remains available as a bridge during the transition to V1.1B. Note that V1.0B is **only compatible with the Verdin iMX8M Mini and Verdin iMX8M Plus** SoMs. Please verify compatibility before switching: [Verdin Industrial Heatsink — Compatible Products](#).

This PCN supersedes the earlier PCN 23111001 (V1.0B → V1.1A). Changes **#2** (Product Compatibility) and **#3** (Country of Origin) from that PCN still apply to V1.1B. Change **#1** (TIM size) applies partially — see Section 3 below. [Revision History](#) | [2311 Verdin Industrial Heatsink Type 1](#)

3. Description of Changes

Change #1: TIM Material Change

The Thermal Interface Material (TIM) has been updated to resolve [Errata HAR-13572](#). The new material has lower hardness, eliminating the excessive mechanical pressure that caused PCB bending on V1.1A.

- TIM material changed from **Bergquist TGP5000** to **Bergquist TGP3500ULM**
 - Resolves: [Errata HAR-13572](#)

4. Customer Impact

Hardware

- **Impact — V1.1A users must take action.**

The V1.1A heatsink (23111100) contains a confirmed issue: the TIM hardness is too high, which can bend the SoM PCB when mounted. This creates risk of solder joint fatigue, intermittent electrical failures, or early field failures — particularly in thermally or mechanically demanding environments.

The issue is resolved in V1.1B (23111101). Customers currently using V1.1A in production or late-stage design should transition immediately and assess any deployed units accordingly.

Full details and per-SoM workaround guidance: [Errata HAR-13572](#)

Software

- No software impact. This change is limited to the heatsink hardware — no changes to BSP, Toradex Easy Installer, or Torizon.

5. Contact

- Please contact Toradex if you have any questions.
- For commercial and sales questions, please contact shop@toradex.com
- For technical questions, please contact support@toradex.com