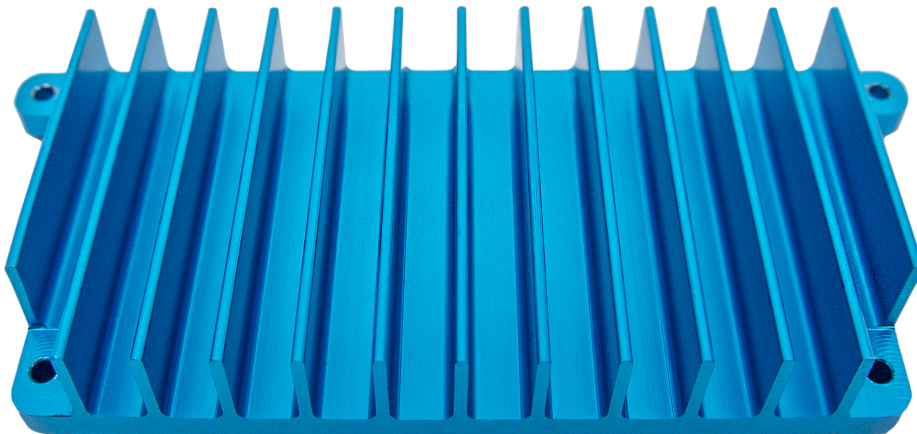


Verdin Industrial Heatsink Type 1

HW Errata



Revision History

Document Revisions

Date	Doc. Revision	Product Version	Changes
15-Apr-2026	Rev. 0.1	V1.1	Initial release

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1 Errata #1: HAR-13572 – TIM Hardness on Type 1 V1.1A Can Cause Excessive Pressure and PCB Bending on SoM

Affected version:

Verdin Industrial Heatsink Type 1 V1.1A

Fixed in:

Verdin Industrial Heatsink Type 1 V1.1B

1.1 Customer Impact

Customers using the Verdin Industrial Heatsink Type 1 V1.1 in their designs may experience PCB bending on the SoM due to the excessive pressure applied by the TIM. This can lead to potential solder joint fatigue, intermittent electrical connections, or premature field failures, particularly in applications subject to thermal cycling or mechanical stress. Customers currently in production or late-stage design with this heatsink should evaluate the workaround options below and plan accordingly to avoid reliability risks in deployed units.

1.2 Description

The Thermal Interface Material (TIM) used on the Verdin Industrial Heatsink Type 1 V1.1A has a hardness that is too high. When the heatsink is mounted, the TIM can exert excessive mechanical pressure on the System on Module (SoM), which may result in PCB bending. This deformation can potentially affect solder joint reliability and long-term product integrity.

1.3 Workaround

The recommended workaround depends on the SoM in use and the intended use case:

- Verdin iMX8M Plus / Verdin iMX8M Mini (evaluation and mass production): Use the Verdin Industrial Heatsink Type 1 V1.0B instead.
- Verdin iMX95 (evaluation): Use the Verdin Industrial Heatsink Type 1 V1.0B instead.
- Verdin AM62 (evaluation only): The Verdin Industrial Heatsink Type 1 V1.1A may be used for evaluation purposes only. It must not be used in production deployments. For production, contact your Toradex sales representative for guidance on a suitable heatsink alternative.

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