



## Revision History

### Document Revisions

Date	Doc. Revision	Product Version	Changes
02-May-2024	Rev. 0.1	V1.1A	Initial Release

## Contents

<b>1</b>	<b>Errata #1: HAR-10823 – U-Boot Might Hang While Detecting Memory Size</b>	<b>3</b>
1.1	Customer Impact . . . . .	3
1.2	Description . . . . .	3
1.3	Workaround . . . . .	3
<b>2</b>	<b>Errata #2: HAR-10648 – A manufacturing issue might affect the V1.1A DSI bridge functionality</b>	<b>4</b>
2.1	Customer Impact . . . . .	4
2.2	Description . . . . .	4
2.3	Workaround . . . . .	4
<b>3</b>	<b>Errata #3: HAR-10647 – A manufacturing issue might affect the V1.1A Ethernet PHY functionality</b>	<b>5</b>
3.1	Customer Impact . . . . .	5
3.2	Description . . . . .	5
3.3	Workaround . . . . .	5
<b>4</b>	<b>Errata #4: HAR-10889 – A manufacturing issue might affect the V1.1B functionality</b>	<b>6</b>
4.1	Customer Impact . . . . .	6
4.2	Description . . . . .	6
4.3	Workaround . . . . .	6

# 1 Errata #1: HAR-10823 – U-Boot Might Hang While Detecting Memory Size

---

Affected version:

**Verdin AM62 V1.1**

Fixed in:

**not scheduled**

## 1.1 Customer Impact

None

## 1.2 Description

The boot process might hang with the following error on 512MB module variant:

```
U-Boot SPL 2023.04-6.4.0-devel+git.96179e4a5bb0 (Sep 06 2023 - 06:13:04 +0000)
SYSFW ABI: 3.1 (firmware rev 0x0009 '9.0.7--v09.00.07 (Kool Koala)')
WARNING: Less than 64MB RAM detected
```

## 1.3 Workaround

Reset the board.

## 2 Errata #2: HAR-10648 – A manufacturing issue might affect the V1.1A DSI bridge functionality

---

Affected version:

**Verdin AM62 V1.1B**  
**Verdin AM62 V1.1A**

Fixed in:

**Verdin AM62 V1.1C**

### 2.1 Customer Impact

The Toshiba TC9594XBG MIPI DSI bridge might not work reliably because of a soldering issue on the module. The Verdin AM62 MIPI DSI output might not function properly in this situation.

### 2.2 Description

A few Verdin AM62 are affected by a soldering issue on an LDO that generates the 1.2V voltage for the Toshiba TC9594XBG MIPI DSI bridge. In this situation, the MIPI DSI output of the module might not work reliably.

### 2.3 Workaround

If your module is affected by this errata, please contact the Toradex RMA department. This issue will be fixed in future product revisions.

### 3 Errata #3: HAR-10647 – A manufacturing issue might affect the V1.1A Ethernet PHY functionality

---

Affected version:

**Verdin AM62 V1.1B**  
**Verdin AM62 V1.1A**

Fixed in:

**Verdin AM62 V1.1C**

#### 3.1 Customer Impact

The Texas Instruments DP83867IR Ethernet Transceiver might not work reliably because of a soldering issue on the module. The Verdin AM62 Gigabit Ethernet interface might not function properly in this situation. The module RGMII interface is not affected by this errata.

#### 3.2 Description

A few Verdin AM62 are affected by a soldering issue on an LDO that generates the 1.0V voltage for the Texas Instruments DP83867IR Ethernet Transceiver. In this situation, the Gigabit Ethernet interface of the module might not work reliably. The module RGMII interface is not affected by this errata. This interface can be used to evaluate the module network functionalities.

#### 3.3 Workaround

If your module is affected by this errata, please contact the Toradex RMA department. This issue will be fixed in future product revisions.

## 4 Errata #4: HAR-10889 – A manufacturing issue might affect the V1.1B functionality

---

Affected version:

**Verdin AM62 V1.1B**

Fixed in:

**Verdin AM62 V1.1C**

### 4.1 Customer Impact

Potential reliability issue affecting the following interfaces: JTAG, ADC, LVDS, UART2, GPIOs ,PWM, CAN, Audio. However, Toradex has not observed this so far.

### 4.2 Description

A PCB manufacturing problem was discovered, where micro-vias on some SoC BGA balls were not plugged, leading to missing solder and reduced yield in the production. This reduced yield was discovered quite early in the production process. A 100% X-ray control on the affected product batch was put in place in addition to our usual quality control process (AOI, Functional Testing, etc.). Despite our extensive control and X-ray verification, we cannot rule out the possibility that a limited number of products may have evaded our scrutiny initially.

### 4.3 Workaround

If you are experiencing issues with the interfaces cited in the customer impact section, using a Toradex Carrier Board, and running a Toradex Quarterly Release BSP Reference Image, please contact our RMA department.