

# MIMXRT1170-EVK Board Errata

# MIMXRT1160-EVK Board Errata

Rev. 1.1— 13 February 2022

Errata

This document lists and describes all known errata for the MIMXRT1170-EVK and MIMXRT1160-EVK. It also provides available workaround for each erratum with detailed explanation wherever required.

The table below lists the revision history of this document.

**Table 1. Revision history**

Revision	Date	Description
Rev. 1	06 February 2022	Initial public release
Rev 1.1	13 February 2022	Updated the Epson part # for E-00001

This table summarizes all known errata and their workarounds

**Table 2. MIMXRT1170 EVK / MIMXRT1160 EVK errata summary**

Erratum	Which EVK	Build Dates impacted
E-00001: Incorrect oscillator used for Y2. No 32.768KHz to WIFI module	MIMXRT1170	2021/01/14 2021/09/02 2021/12/08
	MIMXRT1160	2021/04/25



## E-00001: Incorrect oscillator used for Y2. No 32.768KHz to WIFI module

### Description

An incorrect crystal was used for Y2 on certain builds of the EVK. Y2 supplies 32.768KHz to the WIFI module and is used as standby clock when the WIFI module is placed into the low power consumption mode.

### Impact

Minimal to no impact for the vast majority of customers. No impact to normal WIFI operation.

Low power consumption mode will not be available on the impacted systems as noted in the table below.

EVK	Assembly revisions	Schematic and BOM revisions impacted	Build Dates impacted
MIMXRT1170	ASY-32171 Rev A	SPF-32171 Rev C2, C3, C4	2021/01/14 2021/09/02 2021/12/08
MIMXRT1160	ASY-47813 Rev A	SPF-47813 Rev A3	2021/04/25

### Workaround

- (1). Don't place the WIFI module in the low power consumption mode. This is the default condition anyway.
- (2). If low power evaluation of the WIFI module is desired then Y2 can be replaced with a valid 32.768KHz oscillator. For example – EPSON SG-3031CM 32.7680KB3.

### Fix plan

All future board builds, with build dates of 2022 or later will have a valid 32.768KHz oscillator populated.

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