



## Product Change Notification: SYST-14FOPT154

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### Date:

19-May-2025

### Product Category:

System On Chip Fpgas

### Notification Subject:

Data Sheet - PolarFire® SoC Datasheet

### Affected CPNs:

[SYST-14FOPT154\\_Affected\\_CPN\\_05192025.pdf](#)

[SYST-14FOPT154\\_Affected\\_CPN\\_05192025.csv](#)

### Notification Text:

SYST-14FOPT154

Microchip has released a new Datasheet for the PolarFire® SoC Datasheet of devices. If you are using one of these devices please read the document located at [PolarFire® SoC Datasheet](#).

**Notification Status:** Final

#### Description of Change:

- Added reference to PolarFire Core SoC products (MPFSxxxTC) in Silicon and Libero Tool Status, Transceiver Switching Characteristics, Transceiver Protocol Characteristics, FPGA Programming Time, FPGA Bitstream Sizes, Digest Time, Verify Time, and Authentication Time.
- Changed status to "Production - all temperature grades" for all products in Table 2-1.
- Updated production status and Libero release info for MPFS460T in Table 2-2.
- Corrected the part numbers in military devices in Table 2-3.
- In Table 2-4, updated Libero version and status to "Production" for all devices; removed MPFS460T; added Core devices.
- Updated note 7 under Table 3-2 for "XCVR calibration time".
- Added clarifying note 10 under Recommended Operating Conditions.
- Removed reference to PolarFire I/O Timing Spreadsheet in User I/O Switching Characteristics.
- Corrected note under Transceiver Performance from "Untill specified" to "Unless specified".
- Updated note under I/O Fast Recalibration Time (TRECALIB).

- SLVS18, SUBLVDS18 and SLVS25/33 Maximum input buffer speeds have been updated in Input Buffer Speed.
- Updated Table 4-139.
- Added section SLVS-EC.

**Impacts to Data Sheet:** See above details.

**Reason for Change:** To improve productivity.

**Change Implementation Status:** Complete

**Date Document Changes Effective:** 19 May 2025

**NOTE:** Please be advised that this is a change to the document only the product has not been changed.

**Markings to Distinguish Revised from Unrevised Devices:** N/A

## **Attachments:**

**PolarFire® SoC Datasheet**

Please contact your local [Microchip sales office](#) with questions or concerns regarding this notification.

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