Product Change Notification: SYST-14YLCK232

Date:

23-May-2025

Product Category:

General Purpose Fpgas

Notification Subject:

Data Sheet - PolarFire® FPGA Datasheet

Affected CPNs:

SYST-14YLCK232_Affected_CPN_05232025.pdf
SYST-14YLCK232_Affected_CPN_05232025.csv

Notification Text:

SYST-14YLCK232
Microchip has released a new Datasheet for the PolarFire® FPGA Datasheet of devices. If you are using one of these devices please read the document located at **PolarFire® FPGA Datasheet**. **Notification Status:** Final **Description of Change:** • Added reference to PolarFire Core products (MPFxxxTC) 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 silicon status of MPF050 to "Production – all temperature grades" in Table 3-1. • Added MPF500T offering in Table 3-4 Automotive T2. • Updated note 7 under Recommended Operating Conditions for "XCVR calibration time". • Added clarifying note 8 under Recommended Operating Conditions. • Removed reference to PolarFire I/O Timing spreadsheet in User I/O Switching Characteristics. • Corrected note under Transmitter Performance from "Untill specified" to "Unless specified". • Updated notes under Power-On (Cold) Reset Initialization Sequence. • 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 units from "ps" to "UI" in Table 5-66.

Impacts to Data Sheet: See above details.

Reason for Change: To improve productivity.

Change Implementation Status: Complete

Date Document Changes Effective: 23 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® FPGA Datasheet

Please contact your local **Microchip sales office** with questions or concerns regarding this notification.

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