



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

**Notification# 20240822004.0
Datasheet for TUSB1002A, TMUX405x, and TMAG5273
Information Only**

Date: August 22, 2024
To: MOUSER PCN

Dear Customer:

This is an information-only announcement of a change to a device that is currently offered by Texas Instruments.

The changes discussed within this notification are for your information only.

Any negotiated alternative change requirements will be provided via the customer's defined process. Customers with previously negotiated, special requirements will be handled separately. Any inquiries should be directed to your local Field Sales Representative.

For questions regarding this notice, contact your local Field Sales Representative or the Change Management team.

Sincerely,

Change Management Team
SC Business Services

20240822004.0
Information Only Datasheet
Attachments

Products Affected:

The devices listed on this page are a subset of the complete list of affected devices. According to our records, you have recently purchased these devices. The corresponding customer part number is also listed, if available.

DEVICE	CUSTOMER PART NUMBER
TMAG5273A1QDBVR	NULL
TMAG5273A2QDBVR	NULL
TMAG5273B1QDBVR	NULL
TMAG5273B2QDBVR	NULL
TMAG5273C1QDBVR	NULL
TMAG5273C2QDBVR	NULL
TMAG5273D1QDBVR	NULL
TMAG5273D2QDBVR	NULL
TMUX4051BQBR	NULL
TMUX4051DYYR	NULL
TMUX4051PWR	NULL
TMUX4052BQBR	NULL
TMUX4052DYYR	NULL
TMUX4052PWR	NULL
TMUX4053BQBR	NULL
TMUX4053DYYR	NULL
TMUX4053PWR	NULL
TUSB1002ARGER	NULL

Technical details of this Product Change follow on the next page(s).

PCN Number:	20240822004.0	PCN Date:	August 22, 2024
Title:	Datasheet for TUSB1002A, TMUX405x, and TMAG5273		
Customer Contact:	Change Management team	Dept:	Quality Services
Change Type:	Electrical Specification		

PCN Details

Description of Change:

Texas Instruments Incorporated is announcing an information only notification. The product datasheet(s) is being updated as summarized below. The following change history provides further details.



TUSB1002A
SLLSF63C – MARCH 2018 – REVISED JULY 2024

Changes from Revision B (October 2023) to Revision C (July 2024)	Page
• Added the <i>ESD Diodes Recommendations Characteristics</i> table.....	22
• Changed recommended R_{ESD} for Nexperia from none to 2Ω	22



TMUX4051, TMUX4052, TMUX4053
SCDS445D – MAY 2022 – REVISED JULY 2024

Changes from Revision C (July 2024) to Revision D (July 2024)	Page
• Changed the status of the TMUX1309 device from preview to production.....	1
• Added back Figure 6-7 , Figure 6-8 , Figure 6-9	12
• Added back Figure 9-2	23

Changes from Revision B (March 2023) to Revision C (July 2024)	Page
• Updated the numbering format for tables, figures, and cross-references throughout the document.....	1
• Updated $I_{s(off)}$ or $I_{d(off)}$ values.....	7
• Updated I_{on} values.....	7
• Added the Typical Characteristics.....	12



TMAG5273
SLYS045B – JUNE 2021 – REVISED JULY 2024

Changes from Revision A (September 2021) to Revision B (July 2024)	Page
• Updated formatting of ICC_DCM parameter in the <i>Electrical Characteristics</i> section.....	6
• Updated the formatting of the <i>Magnetic Characteristics for A1</i> test conditions.....	8
• Updated the formatting of the <i>Magnetic Characteristics for A2</i> test conditions.....	9
• Updated the formatting of the <i>Power up & Conversion Time</i> test conditions.....	10
• Added information about the \overline{INT} function during the transition from sleep mode to standby mode.....	18
• Added sentence: The result interrupt function is not available during the W&S mode.....	18
• Removed the exception note with CRC support for long data stream	21
• Removed the exception note with CRC enabled	21
• Changed DEVICE_ID register reset from 1h to xh.....	41

The datasheet number will be changing.

Device Family	Change From:	Change To:
TUSB1002A	SLLSF63B	SLLSF63C
TMUX405x	SCDS445B	SCDS445D
TMAG5273	SLYS045A	SLYS045B

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/TUSB1002A>

<http://www.ti.com/product/TMUX4051>

<http://www.ti.com/product/TMAG5273>

Reason for Change:

To accurately reflect device characteristics.

Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):

No anticipated impact. This is a specification change announcement only.

Changes to product identification resulting from this PCN:

None.

Product Affected:

TUSB1002AIRGER	TUSB1002AIRGET	TUSB1002ARGER	TUSB1002ARGET
TMUX4051BQBR	TMUX4051DYR	TMUX4051PWR	TMUX4052BQBR
TMUX4052DYR	TMUX4052PWR	TMUX4053BQBR	TMUX4053DYR
TMUX4053PWR	TMAG5273A1QDBVR	TMAG5273A2QDBVR	TMAG5273B1QDBVR
TMAG5273B2QDBVR	TMAG5273C1QDBVR	TMAG5273C2QDBVR	TMAG5273D1QDBVR
TMAG5273D2QDBVR			

For questions regarding this notice, e-mails can be sent to the Change Management team or your local Field Sales Representative.

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