



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

**Notification# 20240826007.0
Datasheet for TMAG3001
Information Only**

Date: August 30, 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


20240826007.0
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
TMAG3001A1YBGR	NULL
TMAG3001A2YBGR	NULL

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

PCN Number:	20240826007.0		PCN Date:	August 30, 2024																																		
Title:	Datasheet for TMAG3001																																					
Customer Contact:	Change Management team	Dept:	Quality Services																																			
Change Type:	Electrical Specification																																					
PCN Details																																						
Description of Change:																																						
<p>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.</p> <div style="display: flex; justify-content: space-between; align-items: center;">  <div style="text-align: right;"> TMAG3001 <small>SLYS053B – NOVEMBER 2023 – REVISED JUNE 2024</small> </div> </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Changes from Revision A (March 2023) to Revision B (June 2024)</th> <th style="text-align: right;">Page</th> </tr> </thead> <tbody> <tr> <td>• Changed TMAG3001A1 device status from Advanced Information to Production Data.....</td> <td style="text-align: right;">1</td> </tr> <tr> <td>• Changed data sheet status from Production Mixed to Production Data.....</td> <td style="text-align: right;">1</td> </tr> <tr> <td>• Updated ESD Ratings formatting.....</td> <td style="text-align: right;">4</td> </tr> <tr> <td>• Change maximum input capacitance from: 10pF to 7.5pF.....</td> <td style="text-align: right;">5</td> </tr> <tr> <td>• Added maximum values for the sensitivity linearity error parameter to the Magnetic Characteristics for A2 table.....</td> <td style="text-align: right;">8</td> </tr> <tr> <td>• Added sensitivity drift linearity error parameter to the Magnetic Characteristics for A2 table.....</td> <td style="text-align: right;">8</td> </tr> <tr> <td>• Added sensitivity mismatch drift linearity parameter to the Magnetic Characteristics for A2 table.....</td> <td style="text-align: right;">8</td> </tr> <tr> <td>• Added offset drift linearity error parameter to the Magnetic Characteristics for A2 table.....</td> <td style="text-align: right;">8</td> </tr> <tr> <td>• Changed minimum hold time after repeated START condition from: 0µs to: 0.1µs.....</td> <td style="text-align: right;">9</td> </tr> <tr> <td>• Changed minimum data hold time for fast mode from: 0ns to:15ns.....</td> <td style="text-align: right;">9</td> </tr> <tr> <td>• Changed minimum data hold time for fast mode plus from: 0ns to:15ns.....</td> <td style="text-align: right;">9</td> </tr> <tr> <td>• Added minimum and maximum values for Power-Up Timing parameters.....</td> <td style="text-align: right;">10</td> </tr> <tr> <td>• Changed typical time to go to standby mode from sleep mode from: 70µs to: 62µs.....</td> <td style="text-align: right;">10</td> </tr> </tbody> </table> <p>The datasheet number will be changing.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Device Family</th> <th style="text-align: left;">Change From:</th> <th style="text-align: left;">Change To:</th> </tr> </thead> <tbody> <tr> <td>TMAG3001</td> <td>SLYS053A</td> <td>SLYS053B</td> </tr> </tbody> </table> <p>These changes may be reviewed at the datasheet links provided. http://www.ti.com/product/TMAG3001</p>					Changes from Revision A (March 2023) to Revision B (June 2024)	Page	• Changed TMAG3001A1 device status from Advanced Information to Production Data.....	1	• Changed data sheet status from Production Mixed to Production Data.....	1	• Updated ESD Ratings formatting.....	4	• Change maximum input capacitance from: 10pF to 7.5pF.....	5	• Added maximum values for the sensitivity linearity error parameter to the Magnetic Characteristics for A2 table.....	8	• Added sensitivity drift linearity error parameter to the Magnetic Characteristics for A2 table.....	8	• Added sensitivity mismatch drift linearity parameter to the Magnetic Characteristics for A2 table.....	8	• Added offset drift linearity error parameter to the Magnetic Characteristics for A2 table.....	8	• Changed minimum hold time after repeated START condition from: 0µs to: 0.1µs.....	9	• Changed minimum data hold time for fast mode from: 0ns to:15ns.....	9	• Changed minimum data hold time for fast mode plus from: 0ns to:15ns.....	9	• Added minimum and maximum values for Power-Up Timing parameters.....	10	• Changed typical time to go to standby mode from sleep mode from: 70µs to: 62µs.....	10	Device Family	Change From:	Change To:	TMAG3001	SLYS053A	SLYS053B
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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. There are no changes to the actual device																																						
Changes to product identification resulting from this PCN:																																						
None.																																						
Product Affected:																																						
TMAG3001A1YBGR	TMAG3001A2YBGR																																					

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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