

Notification Number:	20200326002A	Notification Date:	May 7, 2020
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Title: Datasheet for ISO7041

Customer Contact:	Notification Manager	Dept:	Quality Services
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Notification 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.

Rev A is being issued to correct the information previously included in the notification. The rev A should replace the original notification.



ISO7041

SLLSF54D – OCTOBER 2017 – REVISED MARCH 2020

Changes from Revision C (January 2020) to Revision D Page

• Increased supply range to support 1.71 V to 1.89 V	1
• Increased 3.6 V to 5.5 V support temperature range to 125°C and added -40°C to 105°C temperature range for 1.71 V to 1.89 V support	1
• Increased max signaling rate to 4 Mbps	1
• Increased maximum data rate to 4 Mbps	4
• Added 1.8 V support to Recommended Operating Conditions	6
• Changed data rate maximum to 4 Mbps in Recommended Operating Conditions	7
• Added temperature range for 1.71 V to 1.89 V supply range	7
• Added up to 5.5 V support across entire temperature range	7
• Added 1.8 V support in Safety Limiting Values	10
• Added 1.8 V Electrical Characteristics	16
• Added 1.8 V supply current characteristics	16
• Added 1.8 V support to Switching Characteristics	17
• Changed minimum pulse width to 250 ns in Switching Characteristics	17
• Updated all datasheet plots and curves to support 1.8 V	18
• Added 1.8 V support to Functional Table	23
• Added 1.8 V support to the Application Information	25
• Extended power supply range to support 1.71 V to 1.89 V in Design Requirements	28
• Added eye diagrams for full voltage range support and 4 Mbps	29

Changes from Revision B (July 2019) to Revision C Page

• Removed (planned) for Safety-related certifications in Features	1
• Added Certificate numbers for all agencies	10
• Added Intrinsic Safety section	27

Changes from Revision A (December 2018) to Revision B Page

• Updated front page channel quiescent current to match data in tables	1
• Increased supply range to support up to 5.5 V in Features	1
• Split temperature range to support -40°C for 3.6 V to 5.5 V in Features	1
• Added ±8 kV IEC 61000-4-2 contact discharge protection across isolation barrier in Features	1
• Increased supply range to 5.5 V in Description	1
• Added ±8 kV IEC 61000-4-2 contact discharge protection across isolation barrier	6
• Added 5 V support to Recommended Operating Conditions	6
• Added power dissipation maximum numbers to support 5.5 V in Power Ratings	8
• Added 5.5 V support in Safety Limiting Values	10
• Added 5 V Electrical Characteristics section	11
• Added 5 V Supply Current Characteristics section	11
• Updated Device I/O schematics removing (F version) only text in Figure 15	24

The datasheet number will be changing.

Device Family	Change From:	Change To:
ISO7041	SLLSF54A	SLLSF54D

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/ISO7041>

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 notification:

None.

Product Affected:

ISO7041DBQ	ISO7041DBQR	ISO7041FDBQ	ISO7041FDBQR
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For questions regarding this notice, e-mails can be sent to the regional contacts shown below or your local Field Sales Representative.

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