

Notification Number:	20230522019.0	Notification Date:	May 24, 2023																								
Title:	Datasheet for LSF0102-Q1																										
Customer Contact:	Notification Manager	Dept:	Quality Services																								
Change Type: Electrical Specification																											
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.  LSF0102-Q1 SDLS969B – MAY 2018 – REVISED MAY 2023 <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Changes from Revision A (April 2021) to Revision B (May 2023)</th> <th style="text-align: right;">Page</th> </tr> </thead> <tbody> <tr> <td>• Updated the <i>Recommended Operating Conditions</i> table to reflect maximum of 5.5 V.....</td> <td style="text-align: right;">4</td> </tr> <tr> <td>• Updated the <i>Thermal Information</i> table.....</td> <td style="text-align: right;">4</td> </tr> <tr> <td>• Changed all <i>Switching Characteristic</i> Test Conditions.....</td> <td style="text-align: right;">6</td> </tr> <tr> <td>• Added the <i>Output Enable</i> section.....</td> <td style="text-align: right;">9</td> </tr> <tr> <td>• Added the <i>Up and Down Translation</i> sections.....</td> <td style="text-align: right;">11</td> </tr> <tr> <td>• Changed <i>pull up resistor</i> to <i>bias resistor</i> in <i>Enable, Disable, and Reference Voltage Guidelines</i> section.....</td> <td style="text-align: right;">12</td> </tr> <tr> <td>• Added the <i>Bias Circuitry</i> section.....</td> <td style="text-align: right;">13</td> </tr> <tr> <td>• Updated the current values in the table titled <i>Pull-up Resistor Values</i></td> <td style="text-align: right;">13</td> </tr> <tr> <td>• Added image to the <i>Mixed-Mode Voltage Translation</i> section.....</td> <td style="text-align: right;">14</td> </tr> <tr> <td>• Added the <i>Single Supply Translation</i> section.....</td> <td style="text-align: right;">15</td> </tr> <tr> <td>• Added section <i>Voltage Translation for Vref_B < Vref_A + 0.8 V</i></td> <td style="text-align: right;">17</td> </tr> </tbody> </table>				Changes from Revision A (April 2021) to Revision B (May 2023)	Page	• Updated the <i>Recommended Operating Conditions</i> table to reflect maximum of 5.5 V.....	4	• Updated the <i>Thermal Information</i> table.....	4	• Changed all <i>Switching Characteristic</i> Test Conditions.....	6	• Added the <i>Output Enable</i> section.....	9	• Added the <i>Up and Down Translation</i> sections.....	11	• Changed <i>pull up resistor</i> to <i>bias resistor</i> in <i>Enable, Disable, and Reference Voltage Guidelines</i> section.....	12	• Added the <i>Bias Circuitry</i> section.....	13	• Updated the current values in the table titled <i>Pull-up Resistor Values</i>	13	• Added image to the <i>Mixed-Mode Voltage Translation</i> section.....	14	• Added the <i>Single Supply Translation</i> section.....	15	• Added section <i>Voltage Translation for Vref_B < Vref_A + 0.8 V</i>	17
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The datasheet number will be changing.																											
Device Family	Change From:	Change To:																									
LSF0102-Q1	SDLS969A	SDLS969B																									
These changes may be reviewed at the datasheet links provided. http://www.ti.com/product/LSF0102-Q1																											
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:																											
LSF0102QDCURQ1																											

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