

PCN Number:	20170919000	PCN Date:	Oct. 2, 2017
Title:	Datasheet for TLV70018-Q1, TLV70012-Q1		
Customer Contact:	PCN Manager	Dept:	Quality Services
Change Type:			
<input type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Design
<input type="checkbox"/>	Assembly Process	<input checked="" type="checkbox"/>	Data Sheet
<input type="checkbox"/>	Assembly Materials	<input type="checkbox"/>	Part number change
<input type="checkbox"/>	Mechanical Specification	<input type="checkbox"/>	Test Site
<input type="checkbox"/>	Packing/Shipping/Labeling	<input type="checkbox"/>	Test Process
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Bump Site
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Bump Material
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Bump Process
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Fab Site
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Fab Materials
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Fab Process

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.



TLV70018-Q1, TLV70012-Q1

SLVSB67C – NOVEMBER 2011 – REVISED JUNE 2017

Changes from Revision B (January 2016) to Revision C	Page
• Changed <i>Fixed-Output Voltage Features</i> bullet from <i>Fixed-Output Voltage Combinations Possible from 1.2 V to 4.8 V to Fixed-Output Voltages: 1.2 V and 1.8 V</i>	1
• Changed <i>Applications</i> section	1
• Changed first paragraph of <i>Description</i> section: changed <i>TLV700xx-Q1 series</i> to <i>TLV70018-Q1 and TLV70012-Q1</i> , deleted second sentence, changed <i>a wide selection of battery-operated handheld equipment</i> to <i>powering power-sensitive loads</i> , and changed <i>safety</i> to <i>detecting fault conditions</i>	1
• Deleted <i>Fixed-Voltage Version</i> from <i>Typical Application</i> title	1
• Changed <i>Input voltage</i> parameter: changed symbol from V_I to V_{IN} , moved EN and OUT rows to standalone parameters	5
• Changed maximum specification of <i>Output voltage</i> parameter from 5.5 V to 1.8 V	5
• Added I_{OUT} symbol to <i>Current output</i> parameter	5
• Deleted TLV70018-Q1 column from <i>Thermal Information</i> table	5
• Added TLV70018-Q1 to TLV70012-Q1 column in <i>Thermal Information</i> table; all thermal values for TLV70018-Q1 changed to the TLV70012-Q1 thermal values.....	5
• Changed $V_{OUT(TYP)}$ to $V_{OUT(NOM)}$ in conditions statement of <i>Electrical Characteristics</i> table	6
• Changed symbols for <i>Line regulation</i> , <i>Load regulation</i> , and <i>Output noise voltage</i> parameters from $\Delta V_O/\Delta V_{IN}$ to $\Delta V_{OUT}/\Delta V_{IN}$, $\Delta V_O/\Delta I_{OUT}$ to $\Delta V_{OUT}/\Delta I_{OUT}$, and V_N to V_n (respectively) in <i>Electrical Characteristics</i> table.....	6
• Changed $V_{OUT(TYP)}$ to $V_{OUT(NOM)}$ in <i>Typical Characteristics</i> conditions statement	7
• Deleted <i>Dropout Voltage vs Input Voltage</i> and <i>Dropout Voltage vs Output Current</i> curves	7
• Changed <i>TLV700xx-Q1</i> to <i>TLV70018-Q1 and TLV70012-Q1</i> in <i>Overview</i> section	11
• Added <i>TLV70012-Q1</i> to sub-sections of <i>Feature Description</i> and <i>Device Functional Modes</i> sections	11
• Changed 160°C to 165°C, 140°C to 145°C, and 35°C to 40°C in <i>Thermal Shutdown</i> section	12
• Changed <i>Application Information</i> section: changed first two sentences, deleted second paragraph	13
• Changed <i>Example Value</i> column values for 2nd and 3rd rows in <i>Design Parameters</i> table.....	13
• Added TLV70012-Q1 to <i>Input and Output Capacitor Requirements</i> section	14
• Deleted first and last paragraphs from <i>Thermal Considerations</i> section	15
• Deleted second sentence from second paragraph of <i>Power Dissipation</i> section	15
• Added TLV70012-Q1 to <i>Power Dissipation</i> section	15

The datasheet number will be changing.

Device Family	Change From:	Change To:
TLV70018-Q1, TLV70012-Q1	SLVSB67B	SLVSB67C

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/TLV70012-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 PCN:

None.

Product Affected:

TLV70012QDDCRQ1	TLV70018QDDCRQ1		
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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.

Location	E-Mail
USA	PCNAmericasContact@list.ti.com
Europe	PCNEuropeContact@list.ti.com
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