

Notification Number:	20160906000	Notification Date:	Sept. 12, 2016
Title:	Datasheet for DS90UB928Q-Q1/DS90UH928Q-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 updated as seen in the change revision history below:



DS90UB928Q-Q1

SNLS417C – MARCH 2013 – REVISED JULY 2016

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Changes from Revision B (January 2015) to Revision C

Page

• Added "OpenLDI".	1
• Added AV Mute Prevention section.	2
• Added OEN Toggling Limitation.	2
• Changed the shared function.	4
• Added the shared function	5
• Changed Pin name	11
• Added Input Jitter specification.	11
• Added I2S Set-up Time.	12
• Added I2S Hold Time.	12
• Added Read Register at the first step.	26
• Changed the updated GPIO Configuration table.	27
• Changed to one tenth of Resistor value	33
• Changed and swapped IDEAL RATIO and IDEAL VR2 values	38
• Changed to one tenth of Resistor value	38
• Changed and Revised data to 0x01	45
• Changed and revised GPIO Direction description.	47
• Changed and revised Register Type to RW from R.	48
• Added and disclosed Link Error Count Register.	51
• Added and disclosed LVDS Setting Register.	52
• Changed and revised Register Address.	54
• Added AV Mute Prevention section.	58
• Added OEN Toggling Limitation.	58
• Changed and updated Power-Up Requirements and PDB.	58

DS90UH928Q-Q1

SNLS440C – MARCH 2013 – REVISED JULY 2016

www.ti.com
Changes from Revision B (January 2015) to Revision C
Page

• Added "OpenLDI".	1
• Added AV Mute Prevention section.	2
• Added OEN Toggling Limitation.	2
• Changed the shared function.	4
• Added the shared function	5
• Changed Pin name	11
• Added Input Jitter specification.	11
• Added I2S Set-up Time.	12
• Added I2S Hold Time.	12
• Added Read Register at the first step.	26
• Changed the updated GPIO Configuration table.	27
• Changed to one tenth of Resistor value	33
• Changed and swapped IDEAL RATIO and IDEAL VR2 values.	37
• Changed to one tenth of Resistor value	37
• Changed and Revised data to 0x01	43
• Changed and revised GPIO Direction description.	45
• Changed and revised Register Type to RW from R.	46
• Added and disclosed Link Error Count Register.	49
• Added and disclosed LVDS Setting Register.	50
• Changed and revised Register Address.	52
• Added AV Mute Prevention section.	58
• Added OEN Toggling Limitation.	58
• Changed and updated Power-Up Requirements and PDB.	58

The datasheet number will be changing.

Device Family	Change From:	Change To:
DS90UB928Q-Q1	SNLS417B	SNLS417C
DS90UH928Q-Q1	SNLS440B	SNLS440C

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/lit/ds/symlink/ds90ub928q-q1.pdf>
<http://www.ti.com/lit/ds/symlink/ds90uh928q-q1.pdf>
Reason for Change:

To more 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:

DS90UB928QSQ/NOPB	DS90UH928QSQ/E7002398	DS90UH928QSQX/NOPB
DS90UB928QSQE/NOPB	DS90UH928QSQ/NOPB	
DS90UB928QSQX/NOPB	DS90UH928QSQE/NOPB	

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
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