

# 12500 TI Boulevard, MS 8640, Dallas, Texas 75243

# PCN# 20150112000 Datasheet update for DS90UB301Q/DS90UH301Q-Q1, DS90UB925Q/DS90UH925Q-Q1, Information Only Datasheet

**Date:** 1/20/2015

To: Newark/Farnell 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 PCN 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 PCN Manager (PCN ww\_admin\_team@list.ti.com).

Sincerely,

PCN Team SC Business Services

# 20150112000 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, these are the devices that you have purchased within the past twenty-four (24) months. The corresponding customer part number is also listed, if available.

**DEVICE** 

CUSTOMER PART NUMBER

DS90UB925QSQE/NOPB

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

<b>CN Number:</b> 20150112000 <b>PCN Date:</b> 01/20/2015			01/20/2015		
<b>Title:</b> Datasheet update for DS90UB301Q/DS90UH301Q-Q1,DS90UB925Q/DS90UH925Q-Q1					
	CN Manager		lity Ser		
Change Type:			-,		
Assembly Site		Design		Wafer Bum	np Site
Assembly Process		Data Sheet		Wafer Bum	
Assembly Materials		Part number change		Wafer Bum	
Mechanical Specifica	ation	Test Site		Wafer Fab	
Packing/Shipping/La		Test Process		Wafer Fab	
	Wafer Fab Process				Process
		PCN Details			
<b>Description of Change:</b>					
The product datasheet(s)	) is being upda	ated as summarize below	'.		
The following change hist	tory provides	further details			
	TI Conf	dential — NDA Restrictions			
	11 Conti	dentiai — NDA Restrictions		<b>Jis</b> ⊤e	EXAS
				IN	ISTRUMENTS
DS90UB301Q-Q1					
SNLS409A – JUNE 2012 – REVISED OCTO	BER 2014				www.ti.com
Changes from Original (June 20	012) to Revision A				Page
Added data sheet flow and lav	out to conform with	new TI standards. Added the fol	lowing se	ctions: Handling	
		; Power Supply Recommendation			
		and Ordering Information			1
		e (3): The maximum limit (V <sub>DDIO</sub> +			
	pin during the transition to the power down state (PDB transitioning from HIGH to LOW)				
Deleted derate from Maximum Power Dissipation Capacity at 25°C					
Added additional thermal charateristics					
,,	radea typical dialateries graphice				
Deleted 18-bit mode from MODE_SEL table					
Changed ideal voltages for modes #2 and #3					
Deleted IDx addresses 0x22, 0x24, 0x2E, 0x30, 0x32, 0x34					
	Changed suggested resistor values for IDx addresses 0x1E, 0x20, 0x26, 0x28, 0x2A				
<ul> <li>Added application graphics of</li> </ul>	Added application graphics of the serializer CML output			37	
				<b>J</b> ia Te	EXAS
B00011B0050 5 :				ÎN	EXAS ISTRUMENTS
DS90UB925Q-Q1	OBED 2044				
SNLS407D – APRIL 2012–REVISED OCTO	JBER 2014				www.ti.com
Changes from Revision C (April	il 2013) to Revisio	n D			Page
Added data sheet flow and law	vout to conform with	n new TI standards. Added the fol	lowing se	ctions: Handling	
<ul> <li>Added data sheet flow and layout to conform with new TI standards. Added the following sections: Handling Ratings, Device Functional Modes; Programming; Power Supply Recommendations; Layout; Device and</li> </ul>					
Documentation Support; Mechanical, Packaging and Ordering Information					
Added Device Information table					
Fixed typo for GPIO configura	ation				19
Removed two MODE_SEL mo	Removed two MODE_SEL modes: I2S Channel B, and Backward Compatible			23	
Removed IDx addresses 0x22	Removed IDx addresses 0x22, 0x24, 0x2E, 0x30, 0x32, 0x34			26	
<ul> <li>Changed suggested resistor v</li> </ul>	Changed suggested resistor values for IDx addresses 0x1E, 0x20, 0x26, 0x28, 0x2A			26	
20 20 20 20 20 20 20 20 20 20 20 20 20 2					



### DS90UH925Q-Q1

SNLS336J-OCTOBER 2010-REVISED NOVEMBER 2014

www.ti.com

Changes from	Revision I	(April 2013)	) to Revision J
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### TI Confidential — NDA Restrictions



### DS90UH301Q-Q1

SNLS424B - OCTOBER 2012-REVISED OCTOBER 2014

www.ti.com

### Changes from Revision A (April 2013) to Revision B

Page

The datasheet number will be changing.

Device Family	Change From:	Change To:
DS90UB301Q-Q1	SNLS409	SNLS409A
DS90UB925Q-Q1	SNLS407C	SNLS407D
DS90UH925Q-Q1	SNLS336I	SNLS336J
DS90UH301Q-Q1	SNLS424A	SNLS424B

These changes may be reviewed at the datasheet links provided. <a href="http://www.ti.com/product/DS90UB925Q-Q1">http://www.ti.com/product/DS90UB925Q-Q1</a>

## **Reason for Change:**

To more accurately reflect device characteristics.

# Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):

Electrical specification performance changes as indicated above.

# Changes to product identification resulting from this PCN:

None.

# **Product Affected:**

DS90UB301QSQ/NOPB	DS90UB925QSQE/NOPB	DS90UH925QSQ/E7002397
DS90UB301QSQE/NOPB	DS90UB925QSQX/E7002826	DS90UH925QSQ/NOPB
DS90UB301QSQX/NOPB	DS90UB925QSQX/NOPB	DS90UH925QSQE/E7002397

DS90UB925QSQ/E7002826	DS90UH301QSQ/NOPB	DS90UH925QSQE/NOPB
DS90UB925QSQ/NOPB	DS90UH301QSQE/NOPB	DS90UH925QSQX/E7002397
DS90UB925QSQE/E7002826	DS90UH301QSQX/NOPB	DS90UH925QSQX/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
USA	PCNAmericasContact@list.ti.com
Europe	PCNEuropeContact@list.ti.com
Asia Pacific	PCNAsiaContact@list.ti.com
Japan	PCNJapanContact@list.ti.com