Notification Number:	20200602000	Notification Date:	June 10, 2020

Title: Datasheet for DS90UB940-Q1 and DS90UH940-Q1

 Customer Contact:
 Notification Manager
 Dept:
 Quality Services

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.



DS90UB940-Q1

SNLS479B - NOVEMBER 2014-REVISED MAY 2020

CI	Changes from Revision A (January 2016) to Revision B Page		
	Updated all pin descriptions to recommend how to connect unused pins.	4	
•	Pin 49 and 64 changed to reserved. These pins may be left as No Connect pin or connected to GND with a 0.1uF cap	o8	
•	Updated MAX VDD33 voltage from 4V to 3.96V in the Absolute Maximum section	9	
•	Updated MAX VDD12 voltage from 1.8V to 1.44V in the Absolute Maximum section	9	
	Updated MAX VDDIO voltage from 4V to 3.96V in the Absolute Maximum section	9	
•	Updated PDB and BIST_EN MAX voltage from VDDIO+0.3 to 3.96V in the Absolute Maximum section	9	
•	Included Absolute Maximum Open-drain Voltage Spec	9	
•	Included Absolute Maximum CML Output Voltage Spec	9	
•	Included Absolute Maximum CSI-2 Voltage Spec	9	
	Included Input Capacitance for Strap Pin	11	
•	Updated MIN high level input voltage for PDB and BISTEN at 1.8V IO level	11	
•	Updated MIN high level input voltage for I2C pins at V _(VDDIO) = 1.8 V ± 5% OR 3.3V ±10%	11	
•	Updated MAX input low level voltage for I2C pins at V _(VDDIO) = 1.8 V ± 5% OR 3.3V ±10%		
	Added GPIO9 configuration details		
•	Updated recommended MODE_SEL0 resistors to be under 100k ohm to better match available automotive qualified components.	39	
•	Updated recommended MODE_SEL1 resistors to be under 100k ohm to better match available automotive qualified components.	39	
•	Updated recommended IDx resistors to be under 100k ohm to better match available automotive qualified components.	43	
	Added additional AC cap values for STP and Coax for 92x and 94x devices.	87	
	Moved Power Sequence to Power Supply Recommendations. Updated Power Sequencing diagram		
•	Updated Layout Guidelines section to include ground plane design, FPD-Link III traces and CSI-2 traces routing		
r	ecommendations	91	



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recommendations.					
ne datasheet number will be changing.					
Device Family	Change From:	Change To:			
)S90UB940-Q1	SNLS479A	SNLS479B			

These changes may be reviewed at the datasheet links provided.

http://www.ti.com/product/DS90UB940-Q1

http://www.ti.com/product/DS90UH940-Q1

Reason for Change:

DS90UH940-Q1

To accurately reflect device characteristics.

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

SNLS478A

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:

DS90UB940TNKDRQ1	DS90UB940TNKDTQ1	DS90UH940TNKDRQ1	DS90UH940TNKDTQ1

SNLS478B

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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