

PCN Number:	20170616009	PCN Date:	June 27, 2017
Title:	Datasheet for TCAN1042x		
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.



TCAN1042, TCAN1042G, TCAN1042GV
TCAN1042H, TCAN1042HG, TCAN1042HGV
TCAN1042HV, TCAN1042V

SLLSES7C –MARCH 2016–REVISED MAY 2017

Changes from Revision B (August 2016) to Revision C	Page
Deleted <i>Feature</i> "Meets the December 17th, 2015 Draft of ISO 11898-2 Physical Layer Update"	1
Changed <i>Feature</i> From: "Meets the Released ISO 11898-2:2007 and ISO 11898-2:2003 Physical Layer Standards" To: "Meets the ISO 11898-2:2016 and ISO 11898-5:2007 Physical Layer Standards"	1
Changed <i>Feature</i> From: "All devices support 2 Mbps CAN FD.." To: "All Devices Support Classic CAN and 2 Mbps CAN FD.."	1
Added Storage temperature range to the <i>Absolute Maximum Ratings</i> table	5
Changed Charged Device Model (CDM) From: ± 750 To: ± 1500 in the <i>ESD</i> table	5
Changed TBD to values for the DRB (VSON) Package in the <i>ESD</i> table	5
Added the <i>Power Rating</i> table	6
Changed V_{SYM} in the <i>DRIVER ELECTRICAL CHARACTERISTICS</i> table	8
Changed V_{SYM_DC} in the <i>DRIVER ELECTRICAL CHARACTERISTICS</i> table	8
Deleted " $V_I = 0.4 \sin(4E6 \pi t) + 2.5 V$ " from the Test Condition of C_I in the <i>RECEIVER ELECTRICAL CHARACTERISTICS</i> table	9
Deleted " $V_I = 0.4 \sin(4E6 \pi t)$ " from the Test Condition of C_{ID} in the <i>RECEIVER ELECTRICAL CHARACTERISTICS</i> table	9
Added " $-30 V \leq V_{CM} \leq +30 V$ " to the Test Condition of R_{ID} and R_{IN} in the <i>RECEIVER ELECTRICAL CHARACTERISTICS</i> table	9
Changed the t_{MODE} TYP value From: $1 \mu s$ To: $9 \mu s$ in the <i>DEVICE SWITCHING CHARACTERISTICS</i> table	10
Added Note 2 and Changed Table 3 , BUS OUTPUT column	17

The datasheet number will be changing.

Device Family	Change From:	Change To:
TCAN1042x	SLLSES7B	SLLSES7C

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/TCAN1042>

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:			
TCAN1042HD	TCAN1042HDR	TCAN1042HGD	TCAN1042HGDR
TCAN1042HGVD	TCAN1042HGVDR	TCAN1042HVD	TCAN1042HVDR

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
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Asia Pacific	PCNAsiaContact@list.ti.com
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