

PCN Number:	20170719001	PCN Date:	August 14, 2017
Title:	Datasheet for TCAN1051*-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.



**TCAN1051-Q1, TCAN1051V-Q1, TCAN1051H-Q1
TCAN1051HV-Q1, TCAN1051G-Q1, TCAN1051GV-Q1
TCAN1051HG-Q1, TCAN1051HGV-Q1**

SLLSET0C –OCTOBER 2016–REVISED MAY 2017

Changes from Revision B (May 2016) to Revision C	Page
• Added items to the Automotive Applications <i>Feature</i>	1
• Deleted Feature "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 Feature From: "All devices support 2 Mbps CAN FD.." To: "All Devices Support Classic CAN and 2 Mbps CAN FD..".....	1
• Added <i>Feature</i> "Available in SOIC(8) package and leadless VSON(8) package...".....	1
• Changed <i>Applications</i> From: Heavy Machinery ISO11783 To: Heavy Machinery ISOBUS Applications – ISO 11783.....	1
• Changed the <i>Functional Block Diagram</i> , removed the Dominant time-out box.....	1
• Changed "D Package for (HV) and (HGV)" To: "DRB Package for (HV) and (HGV)".....	4
• Added Storage temperature range to the <i>Absolute Maximum Ratings</i> table.....	5
• Changed the <i>ESD Ratings</i> table to show the D(SOIC) and DRB (VSON) values.....	5
• Changed Human Body Model (HBM) From: ± 10000 To: ± 16000 in the <i>ESD</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.....	7
• Changed V_{SYM} in the <i>DRIVER ELECTRICAL CHARACTERISTICS</i> table.....	9
• Changed V_{SYM_DC} in the <i>DRIVER ELECTRICAL CHARACTERISTICS</i> table.....	9
• 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.....	10
• Deleted " $V_I = 0.4 \sin(4E6 \pi t)$ " from the Test Condition of C_{ID} in the <i>RECEIVER ELECTRICAL CHARACTERISTICS</i> table.....	10
• Added " $-30 V \leq V_{CM} \leq +30$ " to the Test Condition of R_{ID} and R_{IN} in the <i>RECEIVER ELECTRICAL CHARACTERISTICS</i> table.....	10
• Changed the <i>Functional Block Diagram</i> , removed the Dominant time-out box.....	16
• Changed Table 3 , BUS OUTPUT column.....	18

The datasheet number will be changing.

Device Family	Change From:	Change To:
TCAN1051*-Q1	SLLSET0B	SLLSET0C

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/TCAN1051-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:			
TCAN1051DQ1	TCAN1051GVDQ1	TCAN1051HGDQ1	TCAN1051HVDQ1
TCAN1051DRBQ1	TCAN1051GVDRBQ1	TCAN1051HGDRBQ1	TCAN1051HVDRBQ1
TCAN1051DRBRQ1	TCAN1051GVDRBRQ1	TCAN1051HGDRBRQ1	TCAN1051HVDRBRQ1
TCAN1051DRQ1	TCAN1051GVDRQ1	TCAN1051HGDRQ1	TCAN1051HVDRQ1
TCAN1051GDQ1	TCAN1051HDQ1	TCAN1051HGVDQ1	TCAN1051VDQ1
TCAN1051GDRBQ1	TCAN1051HDRBQ1	TCAN1051HGVD RBQ1	TCAN1051VDRBQ1
TCAN1051GDRBRQ1	TCAN1051HDRBRQ1	TCAN1051HGVD RB BRQ1	TCAN1051VDRBRQ1
TCAN1051GDRQ1	TCAN1051HDRQ1	TCAN1051HGVD RQ1	TCAN1051VDRQ1

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
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