PCN Number:		20241114000.0		PCN Date:	November 18, 2024	
Title:	Title: Datasheet for TUSB2E221, TLV320AIC3104-Q1, DP83TC812x-Q1, TPS389006/08-Q1, TPS389R0-Q1					
Customer Contact:		Change Management team	Dept:	Quality Services		
Change Type:		Electrical Specification				
PCN 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.



TUSB2E221

SNLS757B - JUNE 2024 - REVISED NOVEMBER 2024



TLV320AIC3104-Q1

SLAS715D - JUNE 2010 - REVISED OCTOBER 2024

 Changes from Revision C (January 2023) to Revision D (October 2024)
 Page

 • Updated formating thoughout data sheet.
 1

 • Updated Junction Temperature Max Rating
 6



DP83TC812S-Q1, DP83TC812R-Q1

SNLS654C - APRIL 2021 - REVISED NOVEMBER 2024

Changes from Revision B (January 2023) to Revision C (November 2024)	Page
Updated Pin 9 and Pin 21 pin descriptions and package label	5
 Table 5-1 Pin Functions: Updated MDIO pin description to include link to Compliance Test M 	odes section5
 Table 6-1 Pin Functions: Updated description for RX_D3 for SGMII mode 	5
 Table 6-1 Pin Functions: Updated Pin 15 description to include register writes for programmi 	ng Pin 15 as
RX_DV and CRS_DV	5
 Table 6-1 Pin Functions: Clarified that RX_D3 and RX_D2 are not used in RMII Slave mode. 	5
 Removed RGMII Timing Diagrams for Internal Delay Enabled and Internal Delay Disabled m 	odes and
created a new RGMII Transmit Timing Diagram for clarity	27
Corrected description for register 0x310 Bit 6	37
Corrected order of register writes for enabling data generator/checker	40
 Corrected RGMII Transmit Encoding table for Normal Data Transmission and Transmit Error 	Propogation 54
 Updated Serial Management Interface section with better wording and clarity 	56
 Table 7-25. PHY Address Bootstraps: Corrected binary representations of PHY addresses 0 	xC and 0xD60
Register 0x18, Bit 15 has been removed	65
Register 0x60B has been removed	
Register 0x609 has been removed	65
Register 0x603 has been removed	65
Register 0x456, clarified Bit Description	65
Register 0x12, Bit 7 has been removed	65
Register 0x1F, clarified Bit 15 and Bit 14 Description	65
Added general typical application diagram	173
Updated RGMII Typical Application diagram to include 25MHz input	
Simplified and updated the Detailed Design Procedure and added a link to the Schematic Cl	

SNVSBM4D - MARCH 2022 - REVISED OCTOBER 2024

Changes from Revision C (October 2024) to Revision D (October 2024)

C	hanges from Revision B (May 2023) to Revision C (October 2024)	Page
•	Updated pinout and ordering code nomenclature	4
•	Added pinout and pin description for TPS389008-Q1 and TPS389R0-Q1	6
•	Updated Abs max for ACT,SLEEP,SCL,SDA from VDD+0.3V to 6V and added NRST to Abs max and	
	Recommended Operating Conditions	8
•	Updated abs max to 6V from VDD+0.3	8
•	Pin current max updated	8
•	Updated recommended operating max to 5.5V from VDD	8
•	Added electrical characteristics for NRST pin	9
•	Added electrical characteristic for NRST pin	
•	Added timing characteristics for NRST pin	11
•	Removed max numbers for t _{HD:DAT} to confirm to I ² C standard	11
•	NRST pin description added	
•	Added Device Thresholds and Configuration table details for TPS389R0-Q1 and TPS389008-Q1	131

The datasheet number will be changing.

Device Family	Change From:	Change To:
TUSB2E221	SNLS757A	SNLS757B
TLV320AIC3104-Q1	SLAS715C	SLAS715D
DP83TC812x-Q1	SNLS654B	SNLS654C
TPS389006/08-	SNVSBM4B	SNVSBM4D
Q1,TPS389R0-Q1		

These changes may be reviewed at the datasheet links provided.

http://www.ti.com/product/TUSB2E221

http://www.ti.com/product/TLV320AIC3104-Q1

http://www.ti.com/product/DP83TC812x-Q1

http://www.ti.com/product/ TPS389006

Reason_for Change:

To accurately reflect device characteristics.

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

No anticipated impact.

Changes to product identification resulting from this PCN:

None.

Product Affected:

1 Todace / Allocecul						
	TUSB2E2211001YCGR	6PAIC3104IRHBRQ1 6PAIC3104TRHBRQ1		DP83TC812RRHARQ1		
	DP83TC812RRHATQ1	DP83TC812SRHARQ1	DP83TC812SRHATQ1	TPS389006004RTERQ1		
	TPS38900603NRTERQ1	TPS389006ADJRTERQ1				

For questions regarding this notice, e-mails can be sent to the Change Management team or your local Field Sales Representative.

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