12500 TI Boulevard, MS 8640, Dallas, Texas 75243

Notification Number:	20260817001.0	Notification Issued	August 18, 2026
Datasheet for DP83TC812x-Q1 and DP83TC813x-Q1			

Change Type(s)	Data Sheet/Electrical Specification
ZVEI ID	SEM-DS-02

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.

TEXAS INSTRUMENTS
DP83TC812S-Q1, DP83TC812R-Q1
SNLS654D – APRIL 2021 – REVISED JULY 2026

Changes from Revision C (November 2024) to Revision D (July 2026) **Page**

- Updated the numbering format for tables, figures, and cross-references throughout the document ... 1
- Updated pin functions table to clarify population of rail pull-up resistors ... 5
- Updated pin domain table ... 5
- Updated Power-Up Timing timing diagram ... 26
- Added information to clarify that registers 0x063C, 0x063D, and 0x063E must be read together ... 37
- Updated order of encoding cases in RGMII Transmit Encoding ... 52
- Updated order of encoding cases in RGMII Receive Encoding ... 52
- Updated address ranges in Register Space Division ... 54
- Updated register address range ... 55
- Updated register address range in MMD Register Space Division ... 62
- Updated Typical Application (General) figure ... 165

TEXAS INSTRUMENTS
DP83TC813S-Q1, DP83TC813R-Q1
SNLS676B – MAY 2022 – REVISED JULY 2026

Changes from Revision A (December 2025) to Revision B (July 2026) **Page**

- Added information regarding pull-up to VDDIO for MDIO in Serial Management Interface ... 5
- Updated Pin Domain table to include information regarding input pins and external pull-up resistors ... 5
- Updated order of encoding cases in RGMII Transmit Encoding ... 50
- Updated order of encoding cases in RGMII Receive Encoding ... 50
- Updated register address range ... 53
- Updated LED1 configuration information ... 58
- Updated register address range in MMD Register Space Division ... 59

The datasheet number will be changing.

Device Family	Change From:	Change To:
DP83TC812x-Q1	SNLS654C	SNLS654D
DP83TC813x-Q1	SNLS676A	SNLS676B

These changes may be reviewed at the datasheet links provided.

http://www.ti.com/product/DP83TC812S-Q1

http://www.ti.com/product/DP83TC813S-Q1

Reason for Change:	To accurately reflect device characteristics

Anticipated impact on Form, Fit, Function, Quality or Reliability:	None
Changes to product identification resulting from this PCN:	None

Products Affected:		
DP83TC812ARRHARQ1	DP83TC812ASRHARQ1	DP83TC812RRHARMB
DP83TC812RRHARQ1	DP83TC812RRHARQ1.A	DP83TC812RRHATQ1
DP83TC812RRHATQ1.A	DP83TC812SRHARQ1	DP83TC812SRHARQ1.A
DP83TC812SRHATQ1	DP83TC812SRHATQ1.A	PDP83TC812RRHARQ1
DP83TC813RRHFRMGQ1	DP83TC813RRHFRQ1	DP83TC813RRHFRQ1.A
DP83TC813RRHFTQ1	DP83TC813RRHFTQ1.A	DP83TC813SRHFRQ1
DP83TC813SRHFRQ1.A	DP83TC813SRHFTQ1	DP83TC813SRHFTQ1.A
PDP83TC813RRHFTQ1		

In performing change qualifications, Texas Instruments follows integrated circuit industry standards in performing defect mechanism analysis and failure mechanism-based accelerated environmental testing to ensure wafer fab process, assembly process and product quality and reliability. As encouraged by these standards, TI uses both product-specific and generic (family) data in qualifying its changes. For devices to be categorized as a 'product qualification family' for generic data purposes, they must share similar product, wafer fab process and assembly process elements. The applicability of generic data (also known at TI as Qualification by Similarity (QBS)) is determined by the Reliability Engineering function following these industry standards. Generic data is shown in the qualification report in columns titled "QBS Process" (for wafer fab process), "QBS Package" (for assembly process) and "QBS Product" (for product family).

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