



April 29, 2019

Subject: PCN#03A-19 Notification of Intent to Release the Sil9777S and Sil9396S Devices

Dear Customer,

Lattice Semiconductor (Lattice) is providing this notification of the release of the Sil9777S and Sil9396S devices and the changes from the Sil9777 and Sil9396 devices.

Change Descriptions

To comply with the latest HDCP 2.01 Addendum to HDCP License Agreement revised on May 24, 2018 from DCP, LLC., Lattice is required to change the Sil9777 and Sil9396 devices. The Sil9777S and Sil9396S devices' One-Time-Programmable (OTP) content is modified from that of Sil9777 and Sil9396 to comply with the new requirement from DCP, LLC. More information can be found in [PCN#08A-18](#) on the Lattice PCN page.

In addition, Lattice has implemented a circuit improvement in the transmitter PLL performance of the Sil9396S device. This enhancement includes a minor firmware modification detailed in User Guide Sil-UG-02051.

Lattice is releasing the Sil9777S and Sil9396S devices to address the requirements mentioned above.

The Sil9777S has the same function, form, fit and external package dimensions as the Sil9777 device. See the Sil9777S data sheet reference Sil-DS-02087.

The Sil9396S has the same function, form, fit and external package dimensions as the Sil9396 device. See the Sil9396S data sheet reference Sil-DS-02086.

New firmware is required to support the Sil9777S and Sil9396S. New firmware for the respective chips is backward compatible with the Sil9777 and Sil9396. Existing Sil9777 firmware will not support the Sil9777S. Existing Sil9396 firmware will not support the Sil9396S. Contact Lattice Sales representatives for any firmware related questions.

Affected Devices

The Ordering Part Numbers (OPNs) affected by this PCN are as follows:

Old **SiI9777CLUC (Engineering Sample OPN)**
New **SiI9777SCLUCES (Engineering Sample OPN)**

Old **SiI9777CLUC-XXX (Customer specific OPN)**
New **SiI9777SCLUC-XXX (Customer specific OPN)**

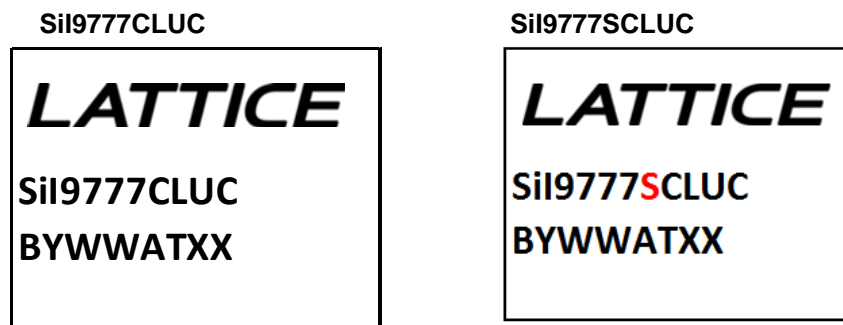
Old **SiI9396CNUC (Engineering Sample OPN)**
New **SiI9396SCNUCES (Engineering Sample OPN)**

Old **SiI9396CNUC-XXX (Customer specific OPN)**
New **SiI9396SCNUC-XXX (Customer specific OPN)**

Device Identification

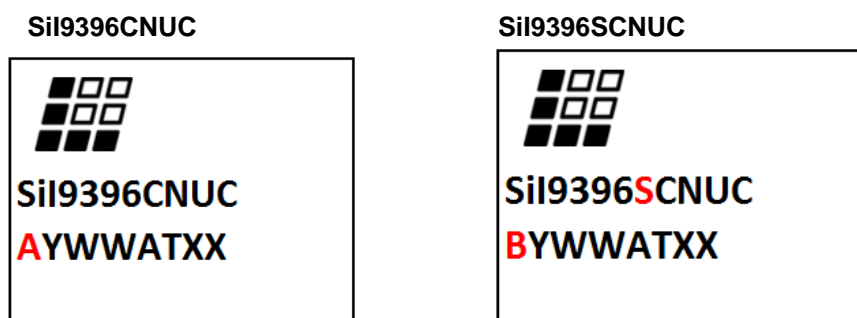
The SiI9777SCLUC is a new ordering part numbers (OPN). See device topside marking examples below.

“S” indicates the new device



The SiI9396SCNUC is a new ordering part numbers (OPN). See device topside marking examples below.

“S” indicates the new device



Data Sheet Specifications

This PCN has no impact on any data sheet specifications. New data sheets [reference Sil-DS-02086] and [reference Sil-DS-02087] have been released to reflect the device markings.

Qualification Data

Qualification reliability reports for [Sil9777SCLUC](#) and [Sil9396SCNUC](#) are available.

Sample Support

Engineering samples for the Sil9777S and Sil9396S are available now.

PCN Timing

Conversion timing for this PCN is 90 days from the date of this Notice. Samples are available **now**.

Customers can order the mass production parts **now**.

Customers will have 90 days to evaluate this PCN from receipt of samples.

PCN Timing Summary

- **PCN Expiration Date:** **July 29, 2019**

Response

In accordance with J-STD-046, this change is deemed accepted by the customer if no acknowledgement is received within 30 days from this Notice. Lattice PCNs are available on the [Lattice PCN web page](#).

Please sign up to receive e-mail PCN alerts by registering [here](#). If you already have a Lattice web account and wish to receive PCN alerts, you can do so by logging into your account and making edits to your subscription options.

Contact

If you have any questions or require additional information, please contact pcn@latticesemi.com.

Sincerely,

Lattice Semiconductor PCN Administration