April 29, 2019

Subject: PCN#03A-19 Notification of Intent to Release the SiI9777S and SiI9396S Devices

Dear Customer,

Lattice Semiconductor (Lattice) is providing this notification of the release of the SiI9777S and SiI9396S devices and the changes from the SiI9777 and SiI9396 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 SiI9777 and SiI9396 devices. The SiI9777S and SiI9396S devices’ One-Time-Programmable (OTP) content is modified from that of SiI9777 and SiI9396 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 SiI9396S device. This enhancement includes a minor firmware modification detailed in User Guide SiI-UG-02051.

Lattice is releasing the SiI9777S and SiI9396S devices to address the requirements mentioned above.

The SiI9777S has the same function, form, fit and external package dimensions as the SiI9777 device. See the SiI9777S data sheet reference SiI-DS-02087.

The SiI9396S has the same function, form, fit and external package dimensions as the SiI9396 device. See the SiI9396S data sheet reference SiI-DS-02086.

New firmware is required to support the SiI9777S and SiI9396S. New firmware for the respective chips is backward compatible with the SiI9777 and SiI9396. Existing SiI9777 firmware will not support the SiI9777S. Existing SiI9396 firmware will not support the SiI9396S. 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.

```
SiI9777CLUC
LATTICE
SiI9777CLUC
BYWWATXX
```

“S” indicates the new device

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

```
SiI9396CNUC
LATTICE
SiI9396CNUC
AYWWATXX
```

```
SiI9396SCNUC
LATTICE
SiI9396SCNUC
BYWWATXX
```

“S” indicates the new device
**Data Sheet Specifications**
This PCN has no impact on any data sheet specifications. New data sheets [reference SiI-DS-02086] and [reference SiI-DS-02087] have been released to reflect the device markings.

**Qualification Data**
Qualification reliability reports for SiI9777SCLUC and SiI9396SCNUC are available.

**Sample Support**
Engineering samples for the SiI9777S and SiI9396S 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