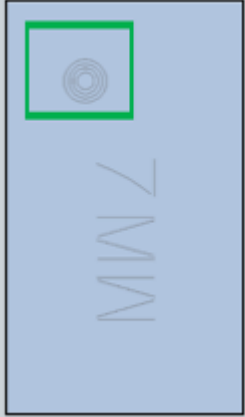
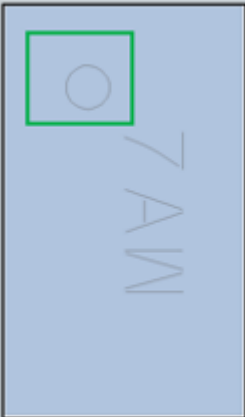


| | |
|--|--|
| Title of Change: | Change of backside coating layer material and marking format (pin 1 appearance) for parts with backside coating |
| Proposed First Ship date: | 19 Jul 2022 or earlier if approved by customer |
| Contact Information: | Contact your local onsemi Sales Office or Marek.Haluska@onsemi.com |
| PCN Samples Contact: | Contact your local onsemi Sales Office. Sample requests are to be submitted no later than 30 days from the date of first notification, Initial PCN or Final PCN, for this change. Samples delivery timing will be subject to request date, sample quantity and special customer packing/label requirements. |
| Additional Reliability Data: | Contact your local onsemi Sales Office or Vladislav.Hrachovec@onsemi.com |
| Type of Notification: | This is a Final Product/Process Change Notification (FPCN) sent to customers. FPCNs are issued 90 days prior to implementation of the change. onsemi will consider this change accepted, unless an inquiry is made in writing within 30 days of delivery of this notice. To do so, contact PCN.Support@onsemi.com |
| Marking of Parts/ Traceability of Change: | Affected products will be traceable by date code |
| Change Category: | Assembly Change |
| Change Sub-Category(s): | Manufacturing Process Change |

| | |
|------------------------|--------------------------------------|
| Sites Affected: | |
| onsemi Sites | External Foundry/Subcon Sites |
| None | JCAP, China |

Description and Purpose:

Due to quality improvement process, backside coating layer material and marking format (pin 1 appearance) for parts with backside coating will be changed:

| | Current | Proposal |
|---------------------------------|---|--|
| Backside coating layer material | LC2850 25 | LC86R25 |
| Marking format of pin 1 |  |  |



Final Product/Process Change Notification

Document #:FPCN24594X

Issue Date:13 Apr 2022

Reliability Data Summary:

QV device name: NCP136AFCRC040T2G

RMS: S75477

Package: WLCSP-6, Case outline: 567YU

| Test | Specification | Condition | Interval | Results |
|------|---------------------|--------------------------|------------|---------|
| TC | JESD22-A104 | Ta= -40°C to +125°C | 850 cyc | 0/80 |
| PC | J-STD-020 JESD-A113 | MSL 1 @ 260°C | 3x reflow | 0/80 |
| ED | onsemi Data Sheet | Test @ Cold & Room & Hot | Cpk ≥ 1.67 | 0/30 |

QV device name: NCP137AFCTC110T2G

RMS: S75647

Package: WLCSP-6, Case outline: 567MV

| Test | Specification | Condition | Interval | Results |
|------|---------------------|--------------------------|------------|---------|
| TC | JESD22-A104 | Ta= -40°C to +125°C | 850 cyc | 0/80 |
| PC | J-STD-020 JESD-A113 | MSL 1 @ 260°C | 3x reflow | 0/80 |
| ED | onsemi Data Sheet | Test @ Cold & Room & Hot | Cpk ≥ 1.67 | 0/30 |

Electrical Characteristics Summary:

Electrical characteristics are not impacted.

List of Affected Parts:

Note: Only the standard (off the shelf) part numbers are listed in the parts list. Any custom parts affected by this PCN are shown in the customer specific PCN addendum in the PCN email notification, or on the [PCN Customized Portal](#).

| Part Number | Qualification Vehicle |
|---------------------|-----------------------|
| NCP136AFCRC080T2G | NCP136AFCRC040T2G |
| NCP136AFCRC040T2G | NCP136AFCRC040T2G |
| NCP137AFCTCADJT2G | NCP137AFCTC110T2G |
| NCP139AFCTC110T2G | NCP137AFCTC110T2G |
| NCP139AFCTC05ADJT2G | NCP137AFCTC110T2G |
| NCP137AFCTC110T2G | NCP137AFCTC110T2G |