



# Final Product/Process Change Notification

Document #:FPCN25071X

Issue Date:14 Dec 2022

<b>Title of Change:</b>	Qualification of Green mold compound to replace current Halogen mold compound
<b>Proposed First Ship date:</b>	01 Jul 2023 or earlier if approved by customer
<b>Contact Information:</b>	Contact your local onsemi Sales Office or <a href="mailto:Norikazu.Negishi@onsemi.com">Norikazu.Negishi@onsemi.com</a>
<b>PCN Samples Contact:</b>	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.
<b>Additional Reliability Data:</b>	Contact your local onsemi Sales Office or <a href="mailto:Hitoshi.Hoshino@onsemi.com">Hitoshi.Hoshino@onsemi.com</a>
<b>Type of Notification:</b>	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 <a href="mailto:PCN.Support@onsemi.com">PCN.Support@onsemi.com</a>
<b>Marking of Parts/ Traceability of Change:</b>	Changed material will be identified by lot code.
<b>Change Category:</b>	Assembly Change
<b>Change Sub-Category(s):</b>	Material Change

**Sites Affected:**

**onsemi Sites**

onsemi Shenzhen, China

**External Foundry/Subcon Sites**

None

**Description and Purpose:**

The purpose of this FPCN is to inform customers that onsemi will replace halogen mold compound to green mold compound for below 2 products at ONSC, onsemi Shenzhen China facility The target market for these products is consumer use.

Target Products

1SS351-TB-E Package SC-59

1SV264-TL-E Package SC-70

Datasheet specifications and product electrical performance remain unchanged.

	From	To
Mold Compound	1SS351-TB-E EME-1200D3	1SS351-TB-E EME-E500D
	1SV264-TL-E KTMC1000-1060SA	1SV264-TL-E EME-E500D

There is no product marking change as a result of this change.



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## Reliability Data Summary:

QV DEVICE NAME: NSVR351SDSA3T1G

RMS: S30349, J32492, S36391, V81148

PACKAGE: SC-59

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Ta=125°C, 100% max rated V	504 hrs	0/231
PC	J-STD-020 JESD-A113	MSL 1 @ 260°C, Pre IOL, TC, AC, H3TRB		0/all
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, delta Tj=100°C t(on)=t(off)= 2 min	15000 cyc	0/231
TC	JESD22-A104	Ta= -55°C to +150°C	500 cyc	0/231
AC	JESD22-A102	121°C, 100% RH, 15psig, unbiased	96 hrs	0/231
H3TRB	JESD22-A101	Ta=85°C, 85% RH, 80% max rated V	504 hrs	0/231

QV DEVICE NAME: NSVP249SDSF3

RMS: S32044, S37479, V55259, V60449, V68089, V73137, V85972

PACKAGE: SC-70

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Ta=125°C, 100% max rated V	504 hrs	0/231
PC	J-STD-020 JESD-A113	MSL 1 @ 260°C, Pre IOL, TC, AC, H3TRB		0/all
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, delta Tj=100°C t(on)=t(off)= 2 min	15000 cyc	0/231
TC	JESD22-A104	Ta= -55°C to +150°C	500 cyc	0/231
AC	JESD22-A102	121°C, 100% RH, 15psig, unbiased	96 hrs	0/231
H3TRB	JESD22-A101	Ta=85°C, 85% RH, 80% max rated V	504 hrs	0/231

## 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
1SV264-TL-E	NSVP249SDSF3
1SS351-TB-E	NSVR351SDSA3T1G