



Final Product/Process Change Notification

Document #:FPCN24360X

Issue Date:24 Mar 2023

Title of Change:	Qualification B-stage epoxy NCO-150SRB for XGS45M due to current production epoxy 150HB going to EOL
Proposed First Ship date:	03 Jul 2023 or earlier if approved by customer
Contact Information:	Contact your local onsemi Sales Office or Mike.Webster@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 Paul.Syndergaard@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:	Manufacturing date code
Change Category:	Assembly Change
Change Sub-Category(s):	Material Change

Sites Affected:	
onsemi Sites	External Foundry/Subcon Sites
None	MMT, Thailand

Description and Purpose:

The purpose of this change is to qualify the changing of B-stage epoxy from NCO-150HB to NCO-150SRB. The reason for this change is due to B-Stage NCO-150HB being obsoleted.

	Before Change Description	After Change Description
B-stage epoxy	NCO-150HB	NCO-150SRB

There is no change to form, fit or function as a result of this change. There is no product marking change as a result of this change

Reliability Data Summary:

QV DEVICE NAME: NOIX0SN045KB
RMS: N/A
PACKAGE: CPGA251 44.40x37.25s



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Test	Specification	Condition	Interval	Results
TC	JESD22-A104	Ta= -40°C to +125°C	1000 cyc	0/9
VISUAL	Per package	Post Temp cycle visual inspection of seal ring		0/9
SEAL	MIL-STD-883 TM 1014	Bubble test, no vacuum during detector bath		0/9
Glass Pull	MIL-STD-883 TM 2011	Stud pull of glass lid based on MIL-STD-883 TM 2011		0/4

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
NOIX2SN045KB-GTI	NOIX0SN045KB-GTI
NOIX2SE045KB-GTI	NOIX0SN045KB-GTI
NOIX1SN045KB-GTI	NOIX0SN045KB-GTI
NOIX1SN032KB-GTI	NOIX0SN045KB-GTI
NOIX1SN030KB-GTI	NOIX0SN045KB-GTI
NOIX1SN020KB-GTI	NOIX0SN045KB-GTI
NOIX1SE045KB-GTI	NOIX0SN045KB-GTI
NOIX1SE032KB-GTI	NOIX0SN045KB-GTI
NOIX1SE030KB-GTI	NOIX0SN045KB-GTI
NOIX1SE020KB-GTI	NOIX0SN045KB-GTI
NOIX0SN045KB-GTI	NOIX0SN045KB-GTI
NOIX0SN032KB-GTI	NOIX0SN045KB-GTI
NOIX0SN030KB-GTI	NOIX0SN045KB-GTI
NOIX0SN020KB-GTI	NOIX0SN045KB-GTI
NOIX0SE045KB-GTI	NOIX0SN045KB-GTI
NOIX0SE032KB-GTI	NOIX0SN045KB-GTI
NOIX0SE030KB-GTI	NOIX0SN045KB-GTI
NOIX0SE020KB-GTI	NOIX0SN045KB-GTI