



Final Product Change Notification

202104052F02 : SOT505-2 Assembly Transfer from ATP to ATBK

Note: This notice is NXP Company Proprietary.

Issue Date: Nov 24, 2021 **Effective date:** Mar 04, 2022

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Management summary

SOT505-2 assembly will be discontinued at ATP and ATBK is adding SOT505-2 assembly to maintain supply.

Change Category

<input type="checkbox"/> Wafer Fab Process	<input type="checkbox"/> Assembly Process	<input type="checkbox"/> Product Marking	<input type="checkbox"/> Test Process	<input type="checkbox"/> Design
<input type="checkbox"/> Wafer Fab Materials	<input checked="" type="checkbox"/> Assembly Materials	<input type="checkbox"/> Mechanical Specification	<input type="checkbox"/> Test Equipment	<input type="checkbox"/> Errata
<input type="checkbox"/> Wafer Fab Location	<input checked="" type="checkbox"/> Assembly Location	<input checked="" type="checkbox"/> Packing/Shipping/Labeling	<input type="checkbox"/> Test Location	<input type="checkbox"/> Electrical spec./Test coverage
<input type="checkbox"/> Firmware	<input type="checkbox"/> Other			

PCN Overview

Description

NXP has extensive manufacturing capabilities in the TSSOP8 family, to which will be further expanded to include the part types in the attached file list. Mold compound and die adhesive materials in the ATBK manufacturing process will use the standard EMC-7470L-Q and QMI519 materials respectively. Additionally, ATBK will employ a roughened leadframe as a package quality improvement to reduce delamination. From the change associated to the 'Packing/Shipping/Labeling', only the 'label' will change. It will reflect the appropriate ATBK assembly information that is standard on their labeling.

Reason

Due to an increasing demand for SOT505-2 packaged devices and ATP discontinuance of supply over time, NXP is adding the ATBK flow to enable supply.

Identification of Affected Products

Product identification does not change

Product Availability

Sample Information

Samples are available upon request

Production

Planned first shipment Mar 04, 2022

Anticipated Impact on Form, Fit, Function, Reliability or Quality

No Impact on form, fit, function, reliability or quality

Data Sheet Revision

No impact to existing datasheet

Disposition of Old Products

Existing inventory will be shipped until depleted

Timing and Logistics

In compliance with JEDEC J-STD-046, your acknowledgement of this change is expected by Dec 24, 2021.

Contact and Support

For all inquiries regarding the ePCN tool application or access issues, please contact NXP "Global Quality Support Team".

For all Quality Notification content inquiries, please contact your local NXP Sales Support team.

For specific questions on this notice or the products affected please contact our specialist directly:

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NXP Quality Management Team.

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Changed Orderable Part#	12NC	Product Type	Product Description	Package Outline	Package Description	Product Status	Customer Specific Indicator	Product Line
NTS0102DP-Q100H	935300555125	NTS0102DP-Q100	Xlator w/auto dir & open drain	(T)SSOP8	SOT505-2	RFS	No	BLC6
NTB0102DP-Q100H	935300866125	NTB0102DP-Q100	Xlator transceiver auto sensing	(T)SSOP8	SOT505-2	RFS	No	BLC6
NTS0102DP,125	935293487125	NTS0102DP	Xlator w/auto dir & open drain	(T)SSOP8	SOT505-2	RFS	No	BLC6
NTB0102DP,125	935293473125	NTB0102DP	Dual-supply Xlator w/auto dir	(T)SSOP8	SOT505-2	RFS	No	BLC6
NCX2220DP,125	935297651125	NCX2220DP	Dual Low Voltage Comparator	(T)SSOP8	SOT505-2	DOD	No	BLC6
PCA9306DP1,125	935283122125	PCA9306DP1	PCA9306	(T)SSOP8	SOT505-2	RFS	No	BLC6