



Final Product/Process Change Notification

Document #:FPCN26086X

Issue Date:07 Mar 2024

Title of Change:	PIM solder pin change from Nickel (Ni) plated to Gold (Au) plated soft pin.
Proposed First Ship date:	14 Jun 2024 or earlier if approved by customer
Contact Information:	Contact your local onsemi Sales Office or NorlailiHanim.Nordin@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 Horchner.Huo@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:	Changed material can be identified by lot code
Change Category:	Assembly Change
Change Sub-Category(s):	Material Change

Sites Affected:

onsemi Sites

onsemi Shenzhen, China

External Foundry/Subcon Sites

None

Description and Purpose:

This notification is to inform customer that onsemi is qualifying new Gold (Au) plated soft solder pin for PIM Q2 and F2 package. The mechanical dimensions, functional requirements, and reliability performance of Gold (Au) pin meet the required specifications and criteria for PIM Q2 and F2 modules and are comparable to those of the existing Nickel (Ni) plated solder pin.

	Before Change Description	After Change Description (Fully Pallet)
PIM Q2 and F2 solder pin type	Nickel (Ni) plated solder pin	Gold (Au) plated soft solder pin

There are no product marking changes as a result of this change.



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Reliability Data Summary:

QV DEVICE NAME: SNXH600B100H4Q2F2S1G-S

RMS: U95735

PACKAGE: PIM

Test	Specification	Condition	Interval	Results
TC	JESD22-A104	Ta= -40°C to +125°C	200 cyc	0/11
HTSL	JESD22-A103	Ta= 125°C	504 hrs, 1008 hrs	0/11
SD	PC J-STD-002	Ta= 93°C	8 hrs	0/5
THU	JESD22-A101	Ta= 85°C, RH=85%	504 hrs, 1008 hrs	0/11

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
SNXH600B100H4Q2F2S1G-S	SNXH600B100H4Q2F2S1G-S
NXH600A100H4F5SNG	SNXH600B100H4Q2F2S1G-S
NXH300B100H4Q2F2SG	SNXH600B100H4Q2F2S1G-S
NXH300B100H4Q2F2SG-R	SNXH600B100H4Q2F2S1G-S
NXH400N100L4Q2F2SG	SNXH600B100H4Q2F2S1G-S
NXH350N100H4Q2F2S1G-R	SNXH600B100H4Q2F2S1G-S
NXH400N100H4Q2F2SG-R	SNXH600B100H4Q2F2S1G-S
NXH600N65L4Q2F2SG	SNXH600B100H4Q2F2S1G-S
NXH400N100H4Q2F2SG	SNXH600B100H4Q2F2S1G-S
NXH800A100L4Q2F2S2G	SNXH600B100H4Q2F2S1G-S
NXH800A100L4Q2F2S1G	SNXH600B100H4Q2F2S1G-S
NXH450N65L4Q2F2S1G	SNXH600B100H4Q2F2S1G-S
NXH200T120H3Q2F2STNG	SNXH600B100H4Q2F2S1G-S
NXH200B100H4F2SG	SNXH600B100H4Q2F2S1G-S
NXH300B100H4Q2F2S1G	SNXH600B100H4Q2F2S1G-S
NXH600B100H4Q2F2SG	SNXH600B100H4Q2F2S1G-S
NXH600B100H4Q2F2S1G	SNXH600B100H4Q2F2S1G-S
NXH450B100H4Q2F2SG	SNXH600B100H4Q2F2S1G-S



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NXH600B100H4Q2F2SG-R	SNXH600B100H4Q2F2S1G-S
NXH400B100H4Q2F2SG	SNXH600B100H4Q2F2S1G-S
NXH200T120H3Q2F2STG	SNXH600B100H4Q2F2S1G-S
NXH300N95H4Q2F2SG	SNXH600B100H4Q2F2S1G-S
NXH160T120L2Q2F2S1G	SNXH600B100H4Q2F2S1G-S
NXH200T120H3Q2F2SG	SNXH600B100H4Q2F2S1G-S
NXH350N100H4Q2F2S1G	SNXH600B100H4Q2F2S1G-S
NXH450N65L4Q2F2SG	SNXH600B100H4Q2F2S1G-S