



Product Change Notification / NTDO-28PSRS829

Date:

06-Jul-2021

Product Category:

Clock and Timing - Oscillators

PCN Type:

Manufacturing Change

Notification Subject:

CCB 4681 Initial Notice: Qualification of STAR as an additional assembly site for selected Micrel products available in 6L VDFN (7x5x0.9 mm) package.

Affected CPNs:

[NTDO-28PSRS829_Affected_CPN_07062021.pdf](#)
[NTDO-28PSRS829_Affected_CPN_07062021.csv](#)

Notification Text:

PCN Status:

Initial notification

PCN Type:

Manufacturing Change

Microchip Parts Affected:

Please open one of the files found in the Affected CPNs section.

NOTE: For your convenience Microchip includes identical files in two formats (.pdf and .xls).

Description of Change: Qualification of STAR as an additional assembly site for selected Micrel products available in 6L VDFN (7x5x0.9 mm) package.

Pre and Post Change Summary:

	Pre Change	Post Change	
Assembly Site	UTAC Thai Limited (NSEB)	UTAC Thai Limited (NSEB)	Stars Microelectronics (Thailand) Public Company Limited (STAR)
Wire material	Au	Au	Au
Die attach material 1	HR-5104	HR-5104	HR-5104
	Non-Conductive (DAF)	Non-Conductive (DAF)	Non-Conductive (DAF)
Die attach material 2	2200D	2200D	2200D
	Conductive	Conductive	Conductive
Die Coat	JCR6109	JCR6109	JCR6109
Molding compound material	G700LTD	G700LTD	G700LTD
Leadframe material	C194	C194	C194
Lead Lock (Locking Hole)	Yes	Yes	Yes

Impacts to Data Sheet:

None

Change Impact:

None

Reason for Change:

To improve manufacturability and on-time delivery performance by qualifying STAR as an additional assembly site.

Change Implementation Status:

In Progress

Estimated Qualification Completion Date:

January 2022

Note: Please be advised the qualification completion times may be extended because of unforeseen business conditions however implementation will not occur until after qualification has completed and a final PCN has been issued. The final PCN will include the qualification report and estimated first ship date. Also note that after the estimated first ship date guided in the final PCN customers may receive pre and post change parts.

Time Table Summary:

	July 2021					->	January 2022						
	27	28	29	30	31		1	2	3	4	5	6	
Workweek													
Initial PCN Issue Date		X											
Qual Report Availability											X		
Final PCN Issue Date											X		

Method to Identify Change:

Traceability code

Qualification Plan:

Please open the attachments included with this PCN labeled as PCN_#_Qual_Plan

Revision History: July 6, 2021: Issued initial notification.

The change described in this PCN does not alter Microchip's current regulatory compliance regarding the material content of the applicable products.

Attachments:

[PCN_NTDO-28PSRS829_Qual_Plan.pdf](#)

[PCN_NTDO-28PSRS829_Pre and Post Change Summary.pdf](#)

Please contact your local [Microchip sales office](#) with questions or concerns regarding this notification.

Terms and Conditions:

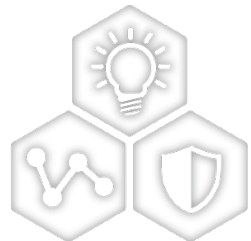
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If you wish to change your PCN profile, including opt out, please go to the [PCN home page](#) select login and sign into your myMicrochip account. Select a profile option from the left navigation bar and make the applicable selections.

CCB 4681
Pre and Post Change Summary
PCN #: NTDO-28PSRS829



A Leading Provider of Smart, Connected and Secure Embedded Control Solutions

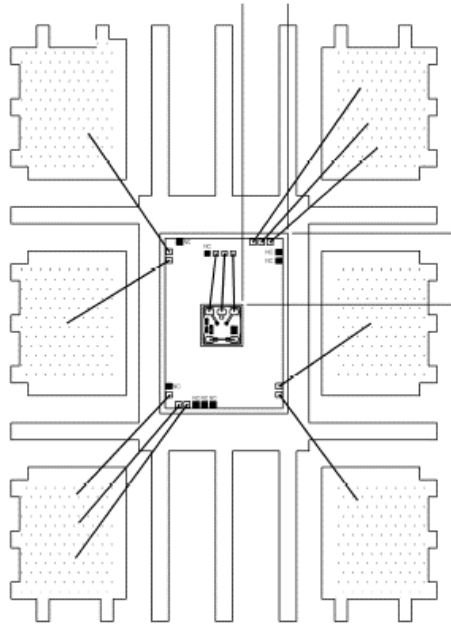


SMART | CONNECTED | SECURE

Qualification of STAR as an additional assembly site for selected Micrel products available in 6L VDFN (7x5x0.9 mm) package.

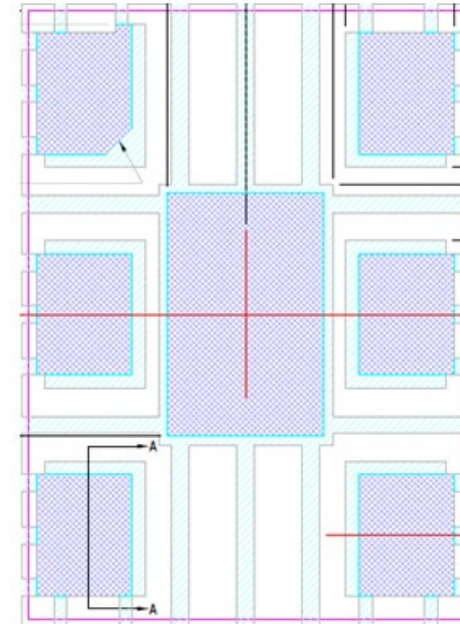
LEAD FRAME COMPARISON

NSEB



Leadframe Material	A194
Lead Lock (Locking Hole)	Yes
Lead Plating	NiPdAu

STAR



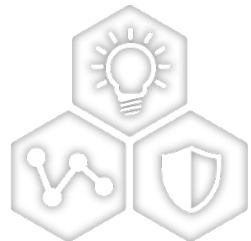
Leadframe Material	C194
Lead Lock (Locking Hole)	Yes
Lead Plating	NiPdAu

Note: The lead lock hole fills with mold compound during the assembly process and provides improved protection against moisture penetration around the interface edges between pins and mold compound.

CCB 4681
Pre and Post Change Summary
PCN #: NTDO-28PSRS829



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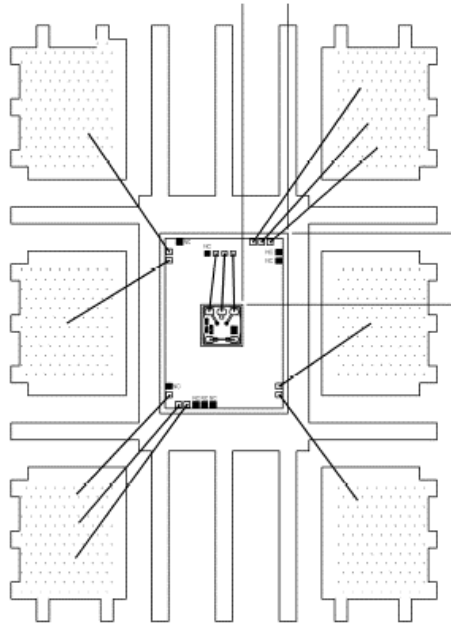


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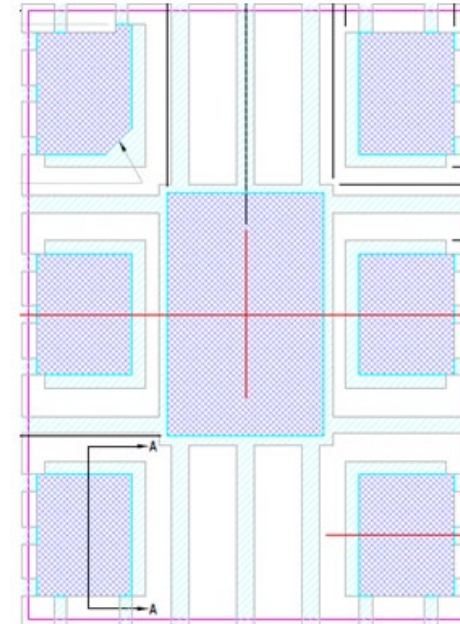
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Affected Catalog Part Numbers (CPN)

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