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Final Product Change Notification	202010023F01

Issue Date: 09-Nov-2020
Effective Date: 07-Feb-2021

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Management Summary
PCA9450 new die A1 version release to replace old die A0 version.

Change Category

[ ] Wafer Fab Process	[ ] Assembly Process	[ ] Product Marking	[ ] Test Location	[X] Design
[ ] Wafer Fab Materials	[ ] Assembly Materials	[ ] Mechanical Specification	[ ]Test Process	[ ] Errata
[ ] Wafer Fab Location	[ ] Assembly Location	[ ] Packing/Shipping/Labeling	[ ] Test Equipment	[ ] Electrical spec./Test coverage
[ ] Firmware	[ ] Other			

FPCN: PCA9450 New Die A1 Version Release.

Description of Change

Dear customer, NXP is replacing the current version of the die (A0) with an A1 variant.
The PCA9450A will be replaced by introducing a PCA9450AA version, while the PCA9450B and the PCA9450C variants will utilize the A1 die.
(the OPN for the AA version can be seen in the parts list, B & C will stay the same and get a rolling update)

Parts list:
PCA9450A replaced by the PCA9450AA (12NC: 9354 101 98518)
PCA9450B (no replacement)
PCA9450C (no replacement)

Reason for Change
NXP observed a "hump" which could occur on buck output voltage in the event when VIN supply is hot plugged off, with peak voltage of about 100mV, and the duration is shorter than 120us. The new version A1 resolves such behavior on buck output.

Identification of Affected Products
Product identification does not change

Product Availability

Sample Information
Samples are available upon request
Production
Planned first shipment 22-Nov-2020

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

No impact on form, fit, function, reliability or quality.
Data Sheet Revision
A new datasheet will be issued
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 09-Dec-2020.

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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At NXP Semiconductors we are constantly striving to improve our product and processes to ensure they reach the highest possible Quality Standards.
Customer Focus, Passion to Win.

NXP Quality Management Team.

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Changed Orderable Part#	Changed Part 12NC	Changed Part Number	Changed Part Description	New Orderable Part#	New part 12NC	New Part number
PCA9450AHNY	935386091518	PCA9450AHN	PMIC for i.MX8M Mini(845S)	PCA9450AAHNY	935410198518	PCA9450AAHN
PCA9450CHNY	935386093518	PCA9450CHN	PMIC for i.MX8M Plus(865S)			
PCA9450BHNY	935386092518	PCA9450BHN	PMIC for i.MX8M Nano(815S)			