



Integrated Device Technology, Inc.
6024 Silver Creek Valley Road, San Jose, CA 95138

PRODUCT/PROCESS CHANGE NOTICE (PCN)

PCN #: **WP1602-01** Date: April 11, 2016
Product Affected: P9234, P9235, P9236A/B/C/D, P9239,
(Refer to Attachment I on affected part#)

MEANS OF DISTINGUISHING CHANGED DEVICES:
 Product Mark New Orderable Part#
 Back Mark
 Date Code
 Other

Date Effective: May 11, 2016

Contact: IDT PCN DESK

Attachment: Yes No

E-mail: pcndesk@idt.com

Samples: Please contact your local sales representative for sample request.

DESCRIPTION AND PURPOSE OF CHANGE:

- Die Technology
- Wafer Fabrication Process
- Assembly Process
- Equipment
- Material
- Testing
- Manufacturing Site
- Data Sheet
- Other - Die revision

This notification is to advise our customers that Under-Voltage Lockout (UVLO) specification will be changed to improve disconnection with certain adapters and improve the overall noise of the Tx devices.

Existing design do not need to be changed and may continue with the older revision if desired by the customers. All new designs/programs/refresh models should use the new "A" revision.

RELIABILITY/QUALIFICATION SUMMARY:

There is no change in die technology/process and datasheet.

CUSTOMER ACKNOWLEDGMENT OF RECEIPT:

IDT records indicate that you require written notification of this change. Please use the acknowledgement below or E-Mail to grant approval or request additional information. If IDT does not receive acknowledgement within 30 days of this notice it will be assumed that this change is acceptable.

IDT reserves the right to ship either version manufactured after the process change effective date until the inventory on the earlier version has been depleted.

Customer: _____

Approval for shipments prior to effective date.

Name/Date: _____

E-Mail Address: _____

Title: _____

Phone # /Fax #: _____

CUSTOMER COMMENTS: _____

IDT ACKNOWLEDGMENT OF RECEIPT:

RECD. BY: _____

DATE: _____



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PCN Type: Die revision

Data Sheet Change: No change.

Detail of Change:

This notification is to advise our customers that Under-Voltage Lockout (UVLO) specification will be changed to improve disconnection with certain adapters and improve the overall noise of the Tx devices.

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Table 1

Old Ordering Part Number	New Ordering Part Number	Comments
P9234-0NDGI	P9234A-0NDGI	
P9234-0NDGI8	P9234A-0NDGI8	
P9234-EVK	P9234A-EVK	
P9235-0NDGI	P9235A-0NDGI	An alternate replacement for applications needing less than 3 Watts is the P9235A-RNDGI.
P9235-0NDGI8	P9235A-0NDGI8	An alternate replacement for applications needing less than 3 Watts is the P9235A-RNDGI8.
P9235-EVK	P9235A-EVK	An alternate replacement for applications needing less than 3 Watts is the P9235A-R-EVK.
P9236A-0NDGI	P9236A-0NDGI	While the ordering part number is unchanged, the meaning of the "A" in the orderable part number no longer refers to the coil count, but signifies the UVLO improved material.
P9236A-0NDGI8	P9236A-0NDGI8	While the ordering part number is unchanged, the meaning of the "A" in the orderable part number no longer refers to the coil count, but signifies the UVLO improved material.
P9236A-EVK	P9236A-EVK	While the ordering part number is unchanged, the meaning of the "A" in the orderable part number no longer refers to the coil count, but signifies the UVLO improved material.
P9236B-0NDGI	P9236A-0NDGI	"B" designation no longer being used
P9236B-0NDGI8	P9236A-0NDGI8	"B" designation no longer being used
P9236B-EVK	P9236A-EVK	"B" designation no longer being used
P9236C-0NDGI	P9236A-0NDGI	"C" designation no longer being used
P9236C-0NDGI8	P9236A-0NDGI8	"C" designation no longer being used
P9236C-EVK	P9236A-EVK	"C" designation no longer being used
P9236D-0NDGI	P9236A-0NDGI	"D" designation no longer being used
P9236D-0NDGI8	P9236A-0NDGI8	"D" designation no longer being used
P9236D-EVK	P9236A-EVK	"D" designation no longer being used
P9239-0NDGI	P9239A-0NDGI	
P9239-0NDGI8	P9239A-0NDGI8	
P9239-EVK	P9239A-EVK	
P9240-0NDGI	P9240A-0NDGI	
P9240-0NDGI8	P9240A-0NDGI8	
P9240-EVK	P9240A-EVK	



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Table 2 - Changes in UVLO

From: Current Device Revision:

Symbol	Description	Conditions/Notes	Min	Typical	Max	Units
V _{IN_UVLO}	Under-Voltage Lockout	V _{IN} Rising	3.6	4.0	4.2	V
		V _{IN} Falling		3.5		V

To: New Device Revision:

Symbol	Description	Conditions/Notes	Min	Typical	Max	Units
V _{IN_UVLO}	Under-Voltage Lockout	V _{IN} Rising	3.1	3.4	3.6	V
		V _{IN} Falling		3.0		V