



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

PRODUCT/PROCESS CHANGE NOTICE (PCN)

PCN #: **PA1504-01** DATE: May 6, 2015

Product Affected: P9024/25/28 devices

Date Effective: August 6, 2015

MEANS OF DISTINGUISHING CHANGED DEVICES:

- Product Mark Change in ordering part#
- Back Mark
- Date Code
- Other

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 This notification is to advise our customers of a change to new AC devices with a change in the orderable part number and device top mark.
 - Wafer Fabrication Process
 - Assembly Process
 - Equipment The new AC devices are fully hardware and specification compatible with the previous devices.
 - Material
 - Testing There is no change to thermal and MSL specification.
 - Manufacturing Site
 - Data Sheet This is no change to the die technology or process. The die change is minor.
 - Other - Device Change
- IDT requests customers to use AC devices in their newer design/projects and switch existing design/projects to AC devices as soon as possible. Last time buy for the older devices will be on August 6, 2015.

RELIABILITY/QUALIFICATION SUMMARY:

There is no change in die technology/process.

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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ATTACHMENT I - PCN #: PA1504-01

PCN Type: Device Change

Data Sheet Change: No

Detail of Change:

This notification is to advise our customers of a change to new AC devices with a change in the orderable part number and device top mark. Refer to Table 1.

New AC devices have the following improvements and design enhancements/features:

1) Improvement: NTC Thermistor

- Temperature monitoring through external NTC has been upgraded with an active high, digital input to send End Of Power with Over-Temperature code
- B4 pin has been renamed to TEOP

2) New Feature: INT Function

- Active high, push-pull output flag for Rectifier Over-voltage, LDO Over-current and Die Over-temperature events.
- F1 pin has been renamed INT
- Previously F1 pin was used for external FETs needed for PMA DC modulation which is no longer required

3) New Feature: CS100 support added

- CS100 is an optional packet in the WPC standard. It signals the TX that the battery charging status has reached 100% when used with a CS100 supporting TX.
- A1 digital pin can be programmed to send CS100 packet instead of End Of Charge. Default configuration is End Of Charge.

The new AC devices are fully hardware and specification compatible with the previous devices.

There is no change to thermal and MSL specification.

This is no change to the die technology or process. The die change is minor.

IDT requests customers to use AC devices in their newer design/projects and switch existing design/projects to AC devices as soon as possible. Last time buy for the older devices will be on August 6, 2015.



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Table 1

Old Ordering Part Number	New Ordering Part Number
P9024-0AWGI	P9024AC-0AWGI
P9024-0AWGI8	P9024AC-0AWGI8
P9024-0NBGI	P9024AC-0NBGI
P9024-0NBGI8	P9024AC-0NBGI8
P9024A-0AWGI	P9024AC-0AWGI
P9024A-0AWGI8	P9024AC-0AWGI8
P9024A-0NBGI	P9024AC-0NBGI
P9024A-0NBGI8	P9024AC-0NBGI8
P9024A-EVK	P9024AC-EVK
P9024-EVK	P9024AC-EVK
P9025A-0AWGI	P9025AC-0AWGI
P9025A-0AWGI8	P9025AC-0AWGI8
P9025A-0NRGI	P9025AC-0AWGI
P9025A-0NRGI8	P9025AC-0AWGI8
P9025A-EVK	P9025AC-EVK
P9025B-0AWGI	P9025AC-0AWGI
P9025B-0AWGI8	P9025AC-0AWGI8
P9025B-0NBGI	P9025AC-0NBGI
P9025B-0NBGI8	P9025AC-0NBGI8
P9025B-EVK	P9025AC-EVK
P9028-0AWGI	P9028AC-0AWGI
P9028-0AWGI8	P9028AC-0AWGI8
P9028-0NBGI	P9028AC-0NBGI
P9028-0NBGI8	P9028AC-0NBGI8
P9028A-0AWGI	P9028AC-0AWGI
P9028A-0AWGI8	P9028AC-0AWGI8
P9028A-0NBGI	P9028AC-0NBGI
P9028A-0NBGI8	P9028AC-0NBGI8
P9028A-EVK	P9028AC-EVK
P9028-EVK	P9028AC-EVK