



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

## PRODUCT/PROCESS CHANGE NOTICE (PCN)

PCN #: <b>TB1901-02</b> Product Affected: P8000, P8100, P8200 (Refer to Attachment II for affected part#)  Date Effective: <b>24-Apr-2019</b>	DATE: <b>24-Jan-2019</b>	MEANS OF DISTINGUISHING CHANGED DEVICES: <input type="checkbox"/> Product Mark <input type="checkbox"/> Back Mark                      Traceability to the test location is <input type="checkbox"/> Date Code                        maintained by IDT and available on <input checked="" type="checkbox"/> Other                                      request
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Contact: IDT PCN DESK E-mail: <a href="mailto:pcndesk@idt.com">pcndesk@idt.com</a>	Attachment: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Samples: Please contact your local sales representative for sample request.
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**DESCRIPTION AND PURPOSE OF CHANGE:**

<input type="checkbox"/> Die Technology <input type="checkbox"/> Wafer Fabrication Process <input type="checkbox"/> Assembly Process <input type="checkbox"/> Equipment <input type="checkbox"/> Material <input type="checkbox"/> Testing <input checked="" type="checkbox"/> Manufacturing Site <input type="checkbox"/> Data Sheet <input type="checkbox"/> Other	<p>This notification is to advise our customers that IDT is adding KYEC, Taiwan as an alternate facility for Test process for the affected products that are presently tested at IDT Penang, Malaysia.</p> <p>Attachment I details the change.</p>
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**RELIABILITY/QUALIFICATION SUMMARY:**

There is no expected change to the product quality or reliability performance. Please refer to Attachment I for Electrical correlation data.

**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: _____	<input type="checkbox"/> <i>Approval for shipments prior to effective date.</i>
Name/Date: _____	E-Mail Address: _____
Title: _____	Phone# /Fax# : _____

**CUSTOMER COMMENTS:** \_\_\_\_\_

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**IDT ACKNOWLEDGMENT OF RECEIPT:**

RECD. BY: \_\_\_\_\_ DATE: \_\_\_\_\_



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### ATTACHMENT I - PCN # : TB1901-02

**PCN Type:** Manufacturing Site - Alternate Test Location

**Data Sheet Change:** None

**Detail Of Change:**

This notification is to advise our customers that IDT is adding KYEC, Taiwan as an alternate facility for Test process for the affected products that are presently tested at IDT Penang, Malaysia.

This change will allow IDT the flexibility to ship from either facility and will provide the increased capacity, flexibility and shorter lead time to meet market demand.

There is no change in the Test processing flows. Load boards are the same at both qualified facilities. IDT has completed the electrical test correlation and based on the test results we do not anticipate any impact on device performance. The testing is fully compatible and transferrable between the test facilities with no change to the test coverage.

If you require samples to conduct evaluations, please contact your local sales representative to acknowledge this PCN and request samples.



**PRODUCT/PROCESS CHANGE NOTICE (PCN)**

**ATTACHMENT I - PCN # : TB1901-02**

**Qualification Information and Qualification Data:**

**Electrical Test Correlation Results**

Vehicle: P8000NDGI  
Sample size: 12 good units tested by hand test, 20 loop test correlation  
384 correlation samples

Description	Existing Test (IDT - IDT, Penang)	Alternate Test (KYECC, Taiwan)
Tester Platform	uFLEX	IFLEX
Test Program	IDTP8000_A	IDTP8000_A
Test Site	Quad Site	Quad Site
Test Temperature	Ambient	Ambient
Test Correlation Results	100%	100%
Number of Good Units Correlated (Hand Test)	12 units	12 units
12 good units datalog correlation	Passed	Passed
Number of Loop Test (Hand Test)	4 units x 20 loop	4 units x 20 loop
Gage datalog correlation	Passed	Passed
Correlation samples (Handler)	384 units	384 units
Yield, Pareto and Distribution correlation	Passed	Passed

Vehicle: P8100NDGI  
Sample size: 8 good units tested by hand test, 20 loop test correlation  
399 correlation samples

Description	Existing Test (IDT - IDT, Penang)	Alternate Test (KYECC, Taiwan)
Tester Platform	uFLEX	IFLEX
Test Program	IDTP8100_C	IDTP8100_C
Test Site	Quad Site	Quad Site
Test Temperature	Ambient	Ambient
Test Correlation Results	100%	100%
Number of Good Units Correlated (Hand Test)	8 units	8 units
8 good units datalog correlation	Passed	Passed
Number of Loop Test (Hand Test)	4 units x 20 loop	4 units x 20 loop
Gage datalog correlation	Passed	Passed
Correlation samples (Handler)	399 units	399 units
Yield, Pareto and Distribution correlation	Passed	Passed



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### ATTACHMENT I - PCN # : TB1901-02

#### Qualification Information and Qualification Data:

##### Electrical Test Correlation Results

Vehicle: P8200NRGI

Sample size: 55 good units tested by hand test, 20 loop test correlation  
1024 correlation samples

Description	Existing Test (IDT - IDT, Penang)	Alternate Test (KYECC, Taiwan)
Tester Platform	uFLEX	IFLEX
Test Program	IDTP8200_D	IDTP8200_D
Test Site	Octal Site	Octal Site
Test Temperature	Ambient	Ambient
Test Correlation Results	100%	100%
Number of Good Units Correlated (Hand Test)	55 units	55 units
55 good units datalog correlation	Passed	Passed
Number of Loop Test (Hand Test)	8 units x 20 loop	8 units x 20 loop
Gage datalog correlation	Passed	Passed
Pilot Lot (Handler)	1024 units	1024 units
Yield, Pareto and Distribution correlation	Passed	Passed



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## PRODUCT/PROCESS CHANGE NOTICE (PCN)

### ATTACHMENT II - PCN # : TB1901-02

#### Affected Part Numbers

Part Number	Part Number	Part Number	Part Number
P8000-01NDGI	P8000-03NDG8	P8000-05NDGI	P8100NDGI8
P8000-01NDGI8	P8000-03NDGI	P8000-05NDGI8	P8200NRGI
P8000-03NDG	P8000-03NDGI8	P8100NDGI	P8200NRGI8