



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

## PRODUCT/PROCESS CHANGE NOTICE (PCN)

<b>PCN #:</b> <b>TB1901-01</b> <b>Product Affected:</b> F1420NLGK F1420NLGK8 F1421NLGK F1421NLGK8 <b>Date Effective:</b> <b>16-Feb-2019</b>	<b>DATE:</b> <b>16-Jan-2019</b>	<b>MEANS OF DISTINGUISHING CHANGED DEVICES:</b> <input type="checkbox"/> Product Mark <input type="checkbox"/> Back Mark <input type="checkbox"/> Date Code <input checked="" type="checkbox"/> Other Traceability to the test location is maintained by IDT and available on request
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<b>Contact:</b> IDT PCN DESK <b>E-mail:</b> <a href="mailto:pcndesk@idt.com">pcndesk@idt.com</a>	<b>Attachment:</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  <b>Samples:</b> 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 Sigurd, Taiwan as an alternate facility for Test process for the selective products that are presently tested in IDT Penang, Malaysia facility.</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"/> <b>Approval for shipments prior to effective date.</b>
Name/Date: _____	E-Mail Address: _____
Title: _____	Phone# /Fax# : _____
<b>CUSTOMER COMMENTS:</b> _____	

**IDT ACKNOWLEDGMENT OF RECEIPT:**

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



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### ATTACHMENT I - PCN # : TB1901-01

**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 Sigurd, Taiwan as an alternate facility for Test process for the selective products that are presently tested in IDT Penang, Malaysia facility.

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.



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### ATTACHMENT I - PCN # : TB1901-01

#### Qualification Information and Qualification Data:

#### Electrical Test Correlation Results

Vehicle: F1420NLGK, F1421NLGK

Sample size: 10 good and 5 reject units tested by hand test  
10 loop test correlation

Description	Existing Test (IDT - IDT, Penang)	Alternate Test (Sigurd, Taiwan)
Tester Platform	J750	UltraFlex
Test Program	F1420_rev06.xls F1421_rev03.xls	F1420_UFlex_v1.xls F1421_UFlex_v1.xls
Test Site	Quad Site	Octal Site
Test Temperature	Ambient	Ambient
Test Correlation Results	100%	100%
Number of Good Units (Hand Tested)	10 pcs	10 pcs
10 good units datalog correlation	Passed	Passed
Number of Loop Test (Hand Tested)	10	10
1 good unit datalog correlation	Passed	Passed
Number of Reject Units (Hand Tested)	5 pcs	5 pcs
5 reject units datalog correlation	Passed	Passed