



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

## PRODUCT/PROCESS CHANGE NOTICE (PCN)

<b>PCN #:</b> <b>TB1807-01</b> <b>DATE:</b> <b>19-Jul-2018</b> <b>Product Affected:</b> F0502NLGI, F0502NLGI8 F0552NLGI, F0552NLGI8  <b>Date Effective:</b> <b>19-Oct-2018</b>	<b>MEANS OF DISTINGUISHING CHANGED DEVICES:</b> <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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<b>Contact:</b> IDT PCN DESK	<b>Attachment:</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>E-mail:</b> <a href="mailto:pcndesk@idt.com">pcndesk@idt.com</a>	<b>Samples:</b> Please contact your local sales representative for sample request.

**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 Giga Solution, Taiwan as an alternate facility for Test process for the selective products that are presently tested at IDT Penang, Malaysia facility. Giga Solution is presently an IDT qualified subcontractor.</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.

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

**IDT ACKNOWLEDGMENT OF RECEIPT:**

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



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### ATTACHMENT I - PCN # : TB1807-01

**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 Giga Solution, Taiwan as an alternate facility for Test process for the selective products that are presently tested at IDT Penang, Malaysia facility. Giga Solution is presently an IDT qualified subcontractor.

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 and test programs are the same at both the 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 # : TB1807-01

#### Qualification Information and Qualification Data:

#### Electrical Test Correlation Results

Vehicle: F0502NLGI

Sample size: 600 electrically good units tested by handler &  
10 good and 10 reject units tested by hand test

Description	Existing Test (IDT - IDT, Penang)	Alternate Test (Giga Solution, Taiwan)
Tester Platform	LTX	LTX
Test Program	IDTF0502NBGI_VSTRESS6V 5_SEQ0910	IDTF0502NBGI_VSTRESS6V5 _SEQ0910
Test Site	Single Site	Single Site
Test Temperature	Ambient	Ambient
Test Correlation Results	100%	100%
Number of Good Units Correlated (Handler)	600 pcs	600 pcs
600 units Bin 1 test	Passed	Passed
600 units Bin 1 datalog correlation	Passed	Passed
Number of Good Units (Hand Tested)	10 pcs	10 pcs
10 good units datalog correlation	Passed	Passed
Number of Reject Units (Hand Tested)	10 pcs	10 pcs
10 reject units datalog correlation	Passed	Passed



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Vehicle: F0552NLGI

Sample size: 600 electrically good units tested by handler &  
10 good and 10 reject units tested by hand test

Description	Existing Test (IDT - IDT, Penang)	Alternate Test (Giga Solution, Taiwan)
Tester Platform	LTX	LTX
Test Program	IDTF0552NBGI_VSTRESS6V 5_SEQ9300	IDTF0552NBGI_VSTRESS6V5 _SEQ9300
Test Site	Single Site	Single Site
Test Temperature	Ambient	Ambient
Test Correlation Results	100%	100%
Number of Good Units Correlated (Handler)	600 pcs	600 pcs
600 units Bin 1 test	Passed	Passed
600 units Bin 1 datalog correlation	Passed	Passed
Number of Good Units (Hand Tested)	10 pcs	10 pcs
10 good units datalog correlation	Passed	Passed
Number of Reject Units (Hand Tested)	10 pcs	10 pcs
10 reject units datalog correlation	Passed	Passed