



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

## PRODUCT/PROCESS CHANGE NOTICE (PCN)

PCN #: <b>TB1109-01</b>	DATE: <b>October 12, 2011</b>	MEANS OF DISTINGUISHING CHANGED DEVICES: <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	
Product Affected: <b>Selective AUI, TCS, TPC Products</b> <b>Refer to affected part# in Attachment II</b>			
Date Effective: <b>January 12, 2012</b>			

Contact: Bimla Paul	Attachment: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Title: Product Quality Assurance	Samples: Availability shown on request
Phone #: (408) 574-6419	
Fax #: (408) 284-8362	
E-mail: <a href="mailto:Bimla.Paul@idt.com">Bimla.Paul@idt.com</a>	

**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 checked="" type="checkbox"/> Testing - Test Site <input type="checkbox"/> Manufacturing Site <input type="checkbox"/> Data Sheet <input checked="" type="checkbox"/> Other - Backend Site	<p>This notification is to advise our customers that IDT is adding ASE, Malaysia as an alternate facility for Test and Backend processes (Coplanarity, Tape &amp; Reel, Bake, Pack and shipment) for the selective AUI, TCS, TPC products that are presently processed at IDT Penang, Malaysia facility.</p> <p>Attachment I details the change and Attachment II lists the affected part numbers.</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 Qual & 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.

Customer: _____	<input type="checkbox"/> <b><i>Approval for shipments prior to effective date.</i></b>
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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## **PRODUCT/PROCESS CHANGE NOTICE (PCN)**

### **ATTACHMENT I - PCN # : TB1109-01**

**PCN Type:** Alternate Test and Backend Site

**Data Sheet Change:** No Change

**Details Of Change:**

This notification is to advise our customers that IDT is adding ASE, Malaysia as an alternate facility for Test and Backend processes (Coplanarity, Tape & Reel, Bake, Pack and shipment) of the selective AUI, TCS, TPC (Touch, Timing and Clocks) products that are presently processed at IDT Penang, Malaysia facility. New products may be processed at this alternate site as ASE, Malaysia facility is an IDT qualified Test & Backend site.

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. Testers, load boards and test programs 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.

There is no change in the Backend processing flows as well. Equipment inspection limits and packaging/packing materials used at ASE, Malaysia will be comply to IDT requirements.

There is no change in the moisture sensitivity level (MSL).



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

**ATTACHMENT I - PCN # : TB1109-01**

**Qualification Information and Qualification Data:**

**(I) Electrical Test Correlation Results**

Vehicle: 9LRS3197A (VFQFPN-32)  
Sample size: 1000 electrically good units and 60 reject units

Description	IDT Penang, Malaysia (Existing Facility)	ASE, Malaysia (Alternate Facility)
Tester Platform	Teradyne J750 Tester	Teradyne J750 Tester
Loadboard & Test Program	IDT Load board and Test Program	IDT Load board and Test Program
Test Site	Quad site	Quad site
Test Temperature	25°C	25°C
Test Correlation Results	100%	100%
Number of Good Units Correlated @ 25°C	1000 pcs	1000 pcs
1000 units Bin 1 handler run (good units)	Passed	Passed
Number of Reject Units Correlated @ 25°C	60 pcs	60 pcs
4 units Bin 2 rejects datalog correlation	Passed	Passed
4 units Bin 3 rejects datalog correlation	Passed	Passed
4 units Bin 4 rejects datalog correlation	Passed	Passed
20 units Bin 2 handler run	Passed	Passed
20 units Bin 3 handler run	Passed	Passed
20 units Bin 4 handler run	Passed	Passed

**(II) Backend Vision Inspection Correlation Results**

Vehicle: NLG32 (VFQFPN-32)  
Sample size: 10 units

Description	IDT Penang, Malaysia (Existing Facility)	ASE, Malaysia (Alternate Facility)
Coplan Vision Inspection Equipment	Micro Vision NV-200	Hexa Maxx
Correlation Results	Passed	Passed
Number of Units Correlated	10 pcs	10 pcs



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## PRODUCT/PROCESS CHANGE NOTICE (PCN)

### ATTACHMENT II - PCN # : TB1109-01

#### Affected Part Number

IDT Part Number	IDT Part Number	IDT Part Number	IDT Part Number
932SQ424AKLF	9LRS4206AKLF	9LVS3199AKLF	9ZXL1530BKLF
932SQ424AKLFT	9LRS4206AKLFT	9LVS3199AKLFT	9ZXL1530BKLFT
932SQ428AKLF	9LVRS720AKILF	9VRS4336AKLF	9ZXL1930BKLF
932SQ428AKLFT	9LVRS720AKILFT	9VRS4336AKLFT	9ZXL1930BKLFT
932SQ430AKLF	9LVRS720AKLF	9VRS4338DKLF	LDS6202NTGI
932SQ430AKLFT	9LVRS720AKLFT	9VRS4338DKLFT	LDS6202NTGI8
9FGL1214AKLF	9LVS3162BKLF	9VRS4339AKLF	LDS6203NTGI
9FGL1214AKLFT	9LVS3162BKLFT	9VRS4339AKLFT	LDS6203NTGI8
9FGL1218AKLF	9LVS3162CKLF	9VRS4339BKLF	LDS6204NTGI
9FGL1218AKLFT	9LVS3162CKLFT	9VRS4339BKLFT	LDS6204NTGI8
9FGL1222AKLF	9LVS3187BKLF	9ZX21200AKLF	LDS7001-05ANTGI
9FGL1222AKLFT	9LVS3187BKLFT	9ZX21200AKLFT	LDS7001-05ANTGI8
9LRS3187CKLF	9LVS3191BKLF	9ZX21201AKLF	LDS7001-05BNTGI
9LRS3187CKLFT	9LVS3191BKLFT	9ZX21201AKLFT	LDS7001-05BNTGI8
9LRS3197AKLF	9LVS3197BKLF	9ZXL1231AKLF	LDS7001NTGI
9LRS3197AKLFT	9LVS3197BKLFT	9ZXL1231AKLFT	LDS7001NTGI8