



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

PRODUCT/PROCESS CHANGE NOTICE (PCN)

PCN #: TB1109-02 DATE: November 4, 2011 Product Affected: Selective TCS, TPC Products Refer to affected part# in Attachment II Date Effective: February 4, 2012	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 <p style="text-align: right; font-size: small;">Traceability to the test location is maintained by IDT and available on request</p>
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Contact: Bimla Paul Title: Product Quality Assurance Phone #: (408) 574-6419 Fax #: (408) 284-8362 E-mail: Bimla.Paul@idt.com	Attachment: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Samples: Availability shown on 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 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 CRSS, Malaysia as an alternate facility for Test and Backend processes (Coplanarity, Tape & Reel, Bake, Pack and shipment) for the selective TCS and 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"/> <i>Approval for shipments prior to effective date.</i>
Name/Date: _____	E-Mail Address: _____
Title: _____	Phone# /Fax# : _____

CUSTOMER COMMENTS: _____

IDT ACKNOWLEDGMENT OF RECEIPT:

RECD. BY: _____ DATE: _____



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ATTACHMENT I - PCN # : TB1109-02

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 CRSS, Malaysia as an alternate facility for Test and Backend processes (Coplanarity, Tape & Reel, Bake, Pack and shipment) for the selective TCS and TPC (Timing and Clocks) products that are presently processed at IDT Penang, Malaysia facility. New products may be processed at this alternate site as CRSS, 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 CRSS, Malaysia will be complied to IDT requirements.

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



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Qualification Information and Qualification Data:

Electrical Test Correlation Results

Vehicle: 7150GLF (PGG8)

Sample size: 1000 electrically good units and 60 reject units

Description	IDT Penang, Malaysia (Existing Facility)	CRSS, Malaysia (Alternate Facility)
Tester Platform	TMT	TMT
Loadboard & Test Program	IDT Load board and Test Program	IDT Load board and Test Program
Test Site	Dual site	Dual 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



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Affected Part Number

IDT Part Number	IDT Part Number	IDT Part Number	IDT Part Number
1337ACSRI	5T90008CPII8	5V49EE701-029NDGI	5V49EE901-022NLGI8
1337ACSRI8	5V19EE403-003NLGI	5V49EE701-029NDGI8	5V49EE901-028NLGI
1337CSRI	5V19EE403-003NLGI8	5V49EE701NDGI	5V49EE901-028NLGI8
1337CSRI8	5V19EE403NLGI	5V49EE701NDGI8	5V49EE901-035NLG
1337DCGI	5V19EE403NLGI8	5V49EE702-037NDGI	5V49EE901-035NLG8
1337DCGI8	5V19EE404NLGI	5V49EE702-037NDGI8	5V49EE901-035NLGI
1337GCSRI	5V19EE404NLGI8	5V49EE702NDGI	5V49EE901-035NLGI8
1337GCSRI8	5V19EE603NDGI	5V49EE702NDGI8	5V49EE901NLGI
1337GDVGI	5V19EE603NDGI8	5V49EE703-030NDGI	5V49EE901NLGI8
1337GDVGI8	5V19EE604NDGI	5V49EE703-030NDGI8	5V49EE910NLG
1338-31DCGI	5V19EE604NDGI8	5V49EE703-038NDGI	5V49EE910NLG8
1338-31DCGI8	5V49EE501NLGI	5V49EE703-038NDGI8	6T40150NLGI
1338-31DVGI	5V49EE501NLGI8	5V49EE703-051NDGI	6T40150NLGI8
1338-31DVGI8	5V49EE502NLGI	5V49EE703-051NDGI8	6V40088CNBGI
1339-31DVGI	5V49EE502NLGI8	5V49EE703NDGI	6V40088CNBGI8
1339-31DVGI8	5V49EE503-002NLGI	5V49EE703NDGI8	6V40088DNBGI
1339A-31DVGI	5V49EE503-002NLGI8	5V49EE704-025NDGI	6V40088DNBGI8
1339A-31DVGI8	5V49EE503-023NLGI	5V49EE704-025NDGI8	6V40088ENBGI
3231CSRI	5V49EE503-023NLGI8	5V49EE704NDGI	6V40088ENBGI8
3231CSRI8	5V49EE503-027NLGI	5V49EE704NDGI8	6V41130NLG
5P49EE601NLGI	5V49EE503-027NLGI8	5V49EE901-001NLGI	6V41130NLG8
5P49EE601NLGI8	5V49EE503-046NLGI	5V49EE901-001NLGI8	6V49R504-007NLGI
5P49EE801NDGI	5V49EE503-046NLGI8	5V49EE901-002NLGI	6V49R504-007NLGI8
5P49EE801NDGI8	5V49EE503NLGI	5V49EE901-002NLGI8	6V50025DVG
5P90005CDCGI	5V49EE503NLGI8	5V49EE901-009NLGI	6V50025DVG8
5P90005CDCGI8	5V49EE504-007NLGI	5V49EE901-009NLGI8	9VRS4339AKLF
5P90011PGGI	5V49EE504-007NLGI8	5V49EE901-018NLGI	9VRS4339AKLFT
5P90011PGGI8	5V49EE504-045NLGI	5V49EE901-018NLGI8	9VRS4339BKLF
5T90008ACPII	5V49EE504-045NLGI8	5V49EE901-021NLGI	9VRS4339BKLFT
5T90008ACPII8	5V49EE504NLGI	5V49EE901-021NLGI8	
5T90008CPII	5V49EE504NLGI8	5V49EE901-022NLGI	