



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

PRODUCT/PROCESS CHANGE NOTICE (PCN)

PCN #: A1502-01	DATE: 7-Apr-2015	MEANS OF DISTINGUISHING CHANGED DEVICES:
Product Affected: VFQFPN-68 Refer to Attachment II for the affected part numbers		<input type="checkbox"/> Product Mark Lot # will have: <input checked="" type="checkbox"/> Back Mark "U" prefix for UTAC, Thailand <input type="checkbox"/> Date Code <input type="checkbox"/> Other
Date Effective: 7-Jul-2015		

Contact: IDT PCN DESK	Attachment: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
E-mail: pcndesk@idt.com	Samples: Please contact your local sales representative for sample request.

DESCRIPTION AND PURPOSE OF CHANGE:

<input type="checkbox"/> Die Technology	This notification is to advise our customers that IDT is adding UTAC, Thailand (UTL) as an alternate Assembly facility.
<input type="checkbox"/> Wafer Fabrication Process	
<input type="checkbox"/> Assembly Process	There is no change to the moisture performance.
<input type="checkbox"/> Equipment	
<input type="checkbox"/> Material	Attachment I details the qualification data for this change and Attachment II shows the affected list of part numbers.
<input type="checkbox"/> Testing	
<input checked="" type="checkbox"/> Manufacturing Site	
<input type="checkbox"/> Data Sheet	
<input type="checkbox"/> Other	

RELIABILITY/QUALIFICATION SUMMARY:
Refer to qualification data shown in Attachment I.

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: _____

IDT ACKNOWLEDGMENT OF RECEIPT:
RECD. BY: _____ DATE: _____



PRODUCT/PROCESS CHANGE NOTICE (PCN)

ATTACHMENT I - PCN # : A1502-01

PCN Type: Manufacturing Site - Alternate Assembly Location

Data Sheet Change: None

No change in moisture sensitivity level (MSL)

Detail Of Change:

This notification is to advise our customers that IDT is adding UTAC, Thailand (UTL) as an alternate Assembly facility. Presently, UTL is a qualified IDT Subcontractors.

The material set details of the current and alternate assembly location is as shown in Table 1. The die attach and mold compound used at the alternate assembly are qualified IDT materials. There is no change from the existing qualified lead frame material, lead finish, and wire for the alternate assembly location.

There is no change to the moisture performance.

Table 1: Assembly Material Sets for The Existing and Alternate Assembly Locations

	Existing Assembly	Alternate Assembly
Material Set / Assembly	ASEK - ASE Kaohsiung, Taiwan	UTL - UTAC, Thailand
Die Attach	EN4900F	8600
Wire	Cu wire	Cu wire
Mold Compound	G700LA	G770HCD



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Qualification Information and Qualification Data:

Affected Packages: VFQFPN-68

Assembly Material: The affected package type is using UTL standard materials shown on page 2 of this attachment.

Qual Plan & Results: Tests are in accordance with JEDEC47 recommended tests.

Qualification Vehicle: VFQFPN-68 (3 lots)

Test Description	Test Method	Test Results (Rej / SS)		
		Lot 1	Lot 2	Lot 3
* HAST - biased (130 °C/85% RH, 96 Hrs)	JESD22-A110	0/30	0/30	0/30
* Temperature Cycling (-55°C to 125°C, 700 cycles)	JESD22-A104	0/30	0/30	0/30
High Temperature Storage Test (150°C, 1000 hours)	JESD22-A103	0/30	0/30	0/30

* Tests were subjected to Preconditioning per JESD22-A113 prior to stress test



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PRODUCT/PROCESS CHANGE NOTICE (PCN)

ATTACHMENT II - PCN # : A1502-01

Affected Part Numbers

Part Number	Part Number	Part Number
F0502NLGI	F0552NLGI	F0562NLGI
F0502NLG18	F0552NLG18	F0562NLG18