



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

PRODUCT/PROCESS CHANGE NOTICE (PCN)

PCN #: **A0907-03** DATE: **25-Aug-2009**
 Product Affected: 6mm x 6mm VFQFPN-48
 (Green)
 Refer to Attachment II for the affected part numbers
 Date Effective: **25-Nov-2009**

MEANS OF DISTINGUISHING CHANGED DEVICES:
 Product Mark
 Back Mark Lot # will have a "U" prefix.
 Date Code
 Other

Contact: Bimla Paul
 Title: Product Quality Assurance Attachment: Yes No
 Phone #: (408) 574-6419
 Fax #: (408) 284-8362 Samples: Please contact your local sales representative for sample request & availability.
 E-mail: Bimla.Paul@idt.com

DESCRIPTION AND PURPOSE OF CHANGE:

Die Technology
 Wafer Fabrication Process
 Assembly Process
 Equipment
 Material
 Testing
 Manufacturing Site
 Data Sheet
 Other

This notification is to advise our customers that IDT is adding UTL, Thailand as an alternate assembly facility for 6mm x 6mm VFQFPN-48, Green version. There is no change to the moisture performance of this package.

Attachment I details the qualification data for this change and Attachment II shows the affected list of part numbers.

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: _____ ***Approval for shipments prior to effective date.***
 Name/Date: _____ E-Mail Address: _____
 Title: _____ Phone# /Fax# : _____

CUSTOMER COMMENTS: _____

IDT ACKNOWLEDGMENT OF RECEIPT:

RECD. BY: _____ DATE: _____



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ATTACHMENT I - PCN # : A0907-03

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 UTL, Thailand as an alternate assembly facility for 6mm x 6mm VFQFPN-48, Green version. There is no change to the moisture performance of this package using the assembly material sets as listed in the below table.

Qualification Information and Qualification Data:

Affected Packages: VFQFPN-48 (NDG48)

Assembly Material: See Table below

Description	Existing	Add
Assembly Location	Carsem, China	UTL, Thailand
Assembly Materials	Die Attach: QMI519	8200T
	Wire: Au wire 1.0 mil	Au wire 1.0 mil
	Mold Compound: Sumitomo G770HC	G770HCD
	Lead Frame: Copper Alloy	Copper Alloy
	Plating: Matte 100% Sn (Green)	Matte 100% Sn (Green)



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Qualification Test Plans and Results :

IDT Qual Plan#: P08-08-02
Qual Vehicle: 9mm x 9mm VFQFPN-64 and 10mm x 10mm VFQFPN-72 (2 lots)

Test Description	Test Method (Latest specs in effect)	Test Results (SS/Rej)	
		VFQFPN-64	VFQFPN-72
* Temperature Cycling (-55°C to +125°C, 1000 cycles)	JESD22-A104	45/0	45/0
* Biased HAST (130°C, 85% RH, 100 Hrs)	JESD22-A110	45/0	45/0
High Temp. Storage (150 °C, 1000 Hrs)	JESD22-A103	77/0	77/0

Note: * Test require moisture pre-conditioning sequence per JESD22-A113.



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ATTACHMENT II - PCN # : A0907-03

Affected Part Number

Part Number	Part Number	Part Number	Part Number
9UM702AKLF	9UM703AKLFT	9UMS9610BKLF	9UMS9633BKILF
9UM702AKLFT	9UM703BKLF	9UMS9610BKLFT	9UMS9633BKILFT
9UM702BKLF	9UM703BKLFT	9UMS9610CKLF	9UMS9633BKLF
9UM702BKLFT	9UM703CKLF	9UMS9610CKLFT	9UMS9633BKLFT
9UM703AKLF	9UM703CKLFT	9UMS9633AKLF	